EU644094.1 gg_id:284052 and Samoylov Island Lena active layer -centred polygon near permafrost table; Rim_
EU283577.1 gg_id:277874 Model Early Earth Harbors Deeply Divergent Divisions Anderson Lake clone A1480
AY426455.1 gg_id:102061 full-scale anaerobic UASB bioreactor treating paper mill wastewater clone E10
AB525472.1 gg_id:574788 Segregated ANME-1 and -2 cold-seep marine sediments deep-sea methane seep sed
CU918240.1 gg_id:552873 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
AJ009500.1 gg_id:2724 chlorobenzene-degrading consortium clone SJA-170
GQ406184.1 gg_id:511535 Benthic submerged sinkhole ecosystems sediment clone BK-45-22
AB274514.1 gg_id:208234 packed-bed reactor clone CFB-25
EU542451.1 gg_id:260455 Effects chemical structure concentration on pathways microbial during dechlorinatio
AJ306740.1 gg_id:66949 DCP-dechlorinating consortium clone SHA-2
AF050565.1 gg_id:2742 contaminated aquifer clone WCHB1-44
CU923309.1 gg_id:559697 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
AF050564.1 gg_id:2728 contaminated aquifer clone WCHB1-43
AF050563.1 gg_id:2741 contaminated aquifer clone WCHB1-80
AF507691.1 gg_id:65692 forest soil clone S041
EU134049.1 gg_id:241276 tallgrass prarie soil clone FFCH10915
AB240366.1 gg_id:143557 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clone
EU669628.1 gg_id:311252 soil clone S22-83
EF520628.1 gg_id:232744 structure lakes: what controls ? acid-impacted lake clone ADK-IHh02-60
AB286334.1 gg_id:211661 Reducing production and domination comamonadaceae reducing oxygen supply was
AB487122.1 gg_id:594201 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0
FJ592893.1 gg_id:572435 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
AJ009460.1 gg_id:2751 chlorobenzene-degrading consortium clone SJA-35
EF516324.1 gg_id:225605 grassland soil clone FCPU564
EF516490.1 gg_id:219565 grassland soil clone FCPS418
DQ128817.2 gg_id:186887 no tillage soil clone HSB NT53_E04
EU134243.1 gg_id:242432 tallgrass prarie soil clone FFCH2524
EF515997.1 gg_id:217684 grassland soil clone FCPP418
DQ906813.1 gg_id:251412 Oman subsurface soil clone 5B-12
EU134012.1 gg_id:250099 tallgrass prarie soil clone FFCH5198
AY922056.1 gg_id:113502 farm soil clone AKYG705
AY922073.1 gg_id:113276 farm soil clone AKYG885
AY921805.1 gg_id:112836 farm soil clone AKYG617
AY921706.1 gg_id:112949 farm soil clone AKYH1185
AY922118.1 gg_id:113599 farm soil clone AKYH1480
EU134246.1 gg_id:235741 tallgrass prarie soil clone FFCH477
AB257647.1 gg_id:261663 Microbial few millimeters be surface dolomite rock 'Val Piora' Alps 1965 meters abo
GQ015160.1 gg_id:494503 Topographical and Temporal Human Skin Microbiome skin palm clone nbw765b09c
AY921657.1 gg_id:114052 farm soil clone AKYG631
AY922170.1 gg_id:113170 farm soil clone AKYH910
EF019661.1 gg_id:217133 aspen rhizosphere clone Elev_16S_815

EU644094.1	284052	3632.1	5778.6	8230.9	2675.3	1425.4	1723.6
EU283577.1	277874	2007.8	2366.3	674.7	1425.5	579.5	859.3
AY426455.1	102061	106.3	385.0	507.0	204.6	107.4	166.1
AB525472.1	574788	6929.5	6711.3	5726.4	4771.6	5463.7	7739.3
CU918240.1	552873	3384.9	3931.2	1774.9	2569.4	2700.2	1600.6
AJ009500.1	2724	44.9	51.8	142.5	77.2	74.1	35.7
GQ406184.1	511535	141.9	418.0	1195.2	412.5	354.4	121.7
AB274514.1	208234	91.9	205.3	99.8	137.8	164.3	400.0
EU542451.1	260455	385.7	1822.1	1782.3	159.4	112.0	82.1
AJ306740.1	66949	5662.6	6706.6	7247.1	5487.4	3698.5	5673.5
AF050565.1	2742	1261.2	1852.2	2081.3	784.1	808.0	601.9
CU923309.1	559697	4392.8	4095.0	6060.4	4375.2	3034.0	2785.9
AF050564.1	2728	2793.5	3991.9	1960.3	1980.1	3683.5	2879.8
AF050563.1	2741	64.7	205.9	127.1	92.2	87.6	46.7
AF507691.1	65692	51.6	225.6	107.4	57.0	53.4	22.7
EU134049.1	241276	6409.3	7127.4	6157.4	4601.7	5399.7	8514.8
AB240366.1	143557	814.2	1226.2	406.5	3236.4	2645.7	761.0
EU669628.1	311252	5200.0	6051.7	3851.3	2117.1	3695.0	3326.8
EF520628.1	232744	4291.3	4408.8	3927.3	3271.0	445.2	597.6
AB286334.1	211661	54.5	127.3	521.7	128.6	69.3	80.9
AB487122.1	594201	4024.0	3318.1	6841.9	1358.9	513.0	1344.7
FJ592893.1	572435	2912.5	3510.5	5700.8	2045.3	3825.3	2806.0
AJ009460.1	2751	18.8	39.9	56.8	51.3	74.2	36.1
EF516324.1	225605	52.8	39.7	290.6	88.1	86.9	61.9
EF516490.1	219565	1388.7	1209.1	2718.8	2165.3	2339.7	3821.3
DQ128817.2	186887	5927.7	7197.0	6424.9	3628.6	9371.7	5854.5
EU134243.1	242432	5938.1	6168.1	7085.1	3539.0	6914.0	4293.3
EF515997.1	217684	13947.8	15078.2	13030.9	12377.0	12476.1	16762.4
DQ906813.1	251412	948.7	1852.6	4484.6	1152.8	1178.0	1083.5
EU134012.1	250099	1913.3	2462.1	5144.6	709.5	2243.2	1924.4
AY922056.1	113502	2645.1	2553.9	2799.0	1979.8	1618.9	1880.7
AY922073.1	113276	2846.5	2943.9	3570.1	1316.4	2891.6	2126.8
AY921805.1	112836	4544.0	4707.7	4799.1	4546.0	4767.9	5433.0
AY921706.1	112949	4009.0	6031.0	2894.4	3460.0	2077.0	1761.0
AY922118.1	113599	10332.2	10255.0	8544.9	9995.8	11602.4	9420.6
EU134246.1	235741	4776.7	6116.7	8604.4	4839.1	9010.2	9300.0
AB257647.1	261663	449.8	734.7	512.4	486.8	1074.3	782.6
GQ015160.1	494503	3465.0	3103.7	4582.8	3311.2	5668.4	4931.0
AY921657.1	114052	688.4	1224.3	2205.0	1728.8	1430.6	1524.9
AY922170.1	113170	6119.1	3082.6	5669.7	5738.7	5148.3	4027.6
EF019661.1	217133	1216.8	1786.7	1188.3	793.2	366.3	554.6

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Caldilineae
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4

o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__Caldilineales	f__Caldilineaceae
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified

g__A31
g__A31
g__A31
g__A31
g__A31
g__A31
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__Caldilinea
g__SJA-15
g__SJA-15
g__SJA-15
g__SJA-15
g__SJA-15
g__SJA-15
g__SJA-15
g__SJA-15
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__sfA
g__sfA

s__S47	51177
s__S47	51360
s__S47	51514
s__S47	51625
s__S47	51752
s__S47	51785
s__unclassified	51912
s__unclassified	52167
s__unclassified	52279
s__unclassified	52287
s__unclassified	52322
s__unclassified	52377
s__unclassified	52629
s__unclassified	52644
s__unclassified	52865
s__unclassified	52871
s__unclassified	52894
s__unclassified	52926
s__unclassified	57890
s__unclassified	58008
s__unclassified	58162
s__unclassified	58206
s__unclassified	58230
s__unclassified	58304
s__unclassified	58376
s__unclassified	58630
s__unclassified	52043
s__unclassified	52153
s__unclassified	52336
s__unclassified	52392
s__unclassified	52409
s__unclassified	52449
s__unclassified	52701
s__unclassified	52728
s__unclassified	52774
s__unclassified	52792
s__unclassified	52892
s__unclassified	52898
s__unclassified	55199
s__unclassified	55374
s__unclassified	55575

EU134022.1 gg_id:245929 tallgrass prarie soil clone FFCH3342
EF018570.1 gg_id:215669 aspen rhizosphere clone Amb_16S_837
AF234723.1 gg_id:52208 sludge clone S47
EU134095.1 gg_id:239489 tallgrass prarie soil clone FFCH1188
AF234694.1 gg_id:44024 sludge clone A31
EU134015.1 gg_id:244349 tallgrass prarie soil clone FFCH5128
FM866303.1 gg_id:357330 Microbial several mining wastes Bulgaria uranium mill tailings clone BuhC-41
CU920994.1 gg_id:534526 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
EU134006.1 gg_id:245129 tallgrass prarie soil clone FFCH5499
AJ504591.1 gg_id:62551 sewage sludge clone
FJ203486.1 gg_id:314568 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
DQ289898.1 gg_id:169145 Microbial Carbon and Nitrogen Cycling Sediments South Atlantic Bight Permeable Sh
FJ623297.1 gg_id:582257 Efficient polyhydroxyalkanoates production waste-activated submitted process seque
AM935699.1 gg_id:552001 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd
FJ542929.1 gg_id:509986 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone B
EU104334.1 gg_id:349891 Evidence Comamonadaceae determinants settling performance activated sludge clo
DQ269088.1 gg_id:177331 marine macro-alga surface clone DPC004
EU421855.1 gg_id:262783 Un-culturable Indian Himalayas soil under glacier Lahaul-Spiti Valley clone KC-9
AM086103.1 gg_id:146618 Abundance and archaea mesotrophic Lake Kinneret lake profundal sediment clone c
FN563245.1 gg_id:582127 Impact changing HRT OLR on prokaryotes involved biomethanizitaion and fuzzy logic
AJ306792.1 gg_id:66912 DCP-dechlorinating consortium clone SHD-12
EF632948.1 gg_id:235963 Unique microbial contrasting aquatic altitude Andean Altiplano (northern Chile) fresh
EF464632.1 gg_id:210067 Identification sulfate reducing methylmercury contaminated SSU genes gold mine tai
AB426235.1 gg_id:263961 -situ identification study benzene-degrading s under methanogenic condition anaerc
DQ833494.1 gg_id:171902 detected analyses depth sediment Guanting Reservoir clone 35-62
AJ278167.1 gg_id:65481 anaerobic bioreactor clone SHD-71
FJ529287.1 gg_id:551159 Evidence vertical transmission symbionts adult embryo Caribbean sponge Svenzea ze
AB257633.1 gg_id:265961 Microbial few millimeters be surface dolomite rock 'Val Piora' Alps 1965 meters abov
DQ351765.1 gg_id:150701 Microbial Adherent Sediment Particles Heavy Metal Contaminated North Sea Surfac
FM253624.1 gg_id:316363 Rock gold mine unusually microbial biofilm clone G09-1
AM176891.1 gg_id:160746 Recovery mangrove sediment clone SZB48
FJ481351.1 gg_id:580216 Microbes marine sponges sponge tissue clone XC1G09
EU529736.1 gg_id:272484 FACS SBR EBPR system clone H94
FN396715.1 gg_id:556929 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_8_II
GU118628.1 gg_id:585994 Threatened Corals Provide Microbial Habitats clone Mfav_O03
FM253593.1 gg_id:352787 Rock gold mine unusually microbial biofilm clone D04-1
DQ811875.1 gg_id:163552 mangrove soil clone MSB-4D11
AF419664.1 gg_id:69877 Guaymas Basin hydrothermal sediment clone a2b042
FJ481363.1 gg_id:578919 Microbes marine sponges sponge tissue clone XE1A01
AM997470.1 gg_id:539977 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A
U20797.1 gg_id:13753 marine clone SAR202

EU134022.1	245929	795.9	1845.5	2486.1	572.1	1226.1	1776.2
EF018570.1	215669	121.0	127.2	206.1	91.6	76.6	46.6
AF234723.1	52208	3390.0	3518.5	3884.3	2542.0	4199.6	4172.1
EU134095.1	239489	829.9	434.5	3132.9	1207.4	119.8	238.4
AF234694.1	44024	7084.7	5377.4	6226.3	6337.2	4538.9	5603.3
EU134015.1	244349	206.7	347.6	353.7	171.9	72.7	67.8
FM866303.1	357330	3731.7	4741.9	5263.3	2483.2	3459.0	3520.6
CU920994.1	534526	14325.5	13445.9	10811.6	9487.5	7317.0	7013.0
EU134006.1	245129	832.4	3076.1	886.3	1131.0	205.6	486.5
AJ504591.1	62551	11167.1	8269.4	5733.0	9320.3	6726.3	7795.1
FJ203486.1	314568	8048.2	7909.5	12598.6	8331.6	6784.8	6862.1
DQ289898.1	169145	620.2	482.1	1781.0	740.4	702.9	773.2
FJ623297.1	582257	80.2	152.6	70.3	90.1	85.7	42.6
AM935699.1	552001	51.6	88.6	148.6	89.5	51.8	76.5
FJ542929.1	509986	2158.5	3121.7	4277.5	2242.3	1333.8	2046.2
EU104334.1	349891	2588.8	3907.1	7853.2	1642.9	3161.1	2476.3
DQ269088.1	177331	43.1	102.1	218.9	77.6	97.7	56.7
EU421855.1	262783	187.0	410.4	879.9	111.2	67.4	75.4
AM086103.1	146618	96.1	125.4	229.8	82.1	482.6	449.7
FN563245.1	582127	279.4	251.6	220.7	99.7	76.0	59.0
AJ306792.1	66912	3258.9	3696.7	5337.7	1234.5	881.2	1801.1
EF632948.1	235963	5730.9	5940.4	11171.9	6595.5	5888.0	5753.0
EF464632.1	210067	175.2	413.2	819.2	301.3	175.6	195.3
AB426235.1	263961	2387.0	2057.1	2500.0	2990.1	441.5	933.2
DQ833494.1	171902	321.2	770.3	1056.6	828.2	2691.9	2490.8
AJ278167.1	65481	73.9	198.0	133.3	79.8	412.3	43.4
FJ529287.1	551159	12838.6	13018.2	12738.9	11136.3	10615.1	8776.9
AB257633.1	265961	8515.6	8756.6	6534.6	6794.3	6821.7	5972.0
DQ351765.1	150701	4333.2	4859.6	6013.7	2648.8	3804.2	2976.7
FM253624.1	316363	22783.9	22236.9	19133.2	19285.2	19329.6	18322.1
AM176891.1	160746	25.8	61.3	82.7	67.2	71.5	25.6
FJ481351.1	580216	5140.5	8111.1	3931.9	2994.5	3045.4	2444.2
EU529736.1	272484	8269.8	8302.9	5916.9	7100.4	9116.3	7359.6
FN396715.1	556929	2089.1	3712.1	4222.0	2780.8	3660.7	3849.6
GU118628.1	585994	9333.9	10178.8	6641.6	7517.8	7647.7	6478.0
FM253593.1	352787	13905.1	14241.6	8916.6	11113.7	10154.8	9020.0
DQ811875.1	163552	112.2	305.3	239.5	220.0	212.3	244.5
AF419664.1	69877	1532.1	3627.8	7257.1	2505.1	2376.3	3057.0
FJ481363.1	578919	3833.9	5049.7	2875.2	4115.5	2490.9	4891.9
AM997470.1	539977	10318.9	9440.8	5333.6	7105.7	5262.3	6973.1
U20797.1	13753	20.4	38.5	29.7	55.2	62.7	222.6

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi-4
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi

o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Chloroflexales	f__Chloroflexaceae

g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfB
g__sfB
g__sfB
g__sfC
g__sfC
g__sfC
g__sfD
g__sfD
g__sfD
g__sfE
g__sfE
g__sfF
g__sfF
g__sfG
g__sfG
g__sfH
g__sfH
g__sfI
g__sfI
g__sfJ
g__sfJ
g__sfK
g__sfK
g__sfL
g__sfL
g__sfM
g__sfN
g__sfO
g__sfP
g__sfQ
g__sfR
g__sfS
g__Chloroflexus

s__unclassified	55866
s__unclassified	55947
s__unclassified	55952
s__unclassified	55990
s__unclassified	56080
s__unclassified	56147
s__unclassified	52123
s__unclassified	52168
s__unclassified	52423
s__unclassified	52673
s__unclassified	52927
s__unclassified	55600
s__unclassified	55872
s__unclassified	56379
s__unclassified	55138
s__unclassified	55420
s__unclassified	56105
s__unclassified	56058
s__unclassified	56140
s__unclassified	52118
s__unclassified	52329
s__unclassified	55472
s__unclassified	55873
s__unclassified	55229
s__unclassified	55502
s__unclassified	52666
s__unclassified	52669
s__unclassified	54947
s__unclassified	55076
s__unclassified	55615
s__unclassified	56255
s__unclassified	56048
s__unclassified	56068
s__unclassified	56165
s__unclassified	56030
s__unclassified	55761
s__unclassified	55984
s__unclassified	55744
s__unclassified	55220
s__unclassified	54994
s__Chloroflexus aggregans	52929

GQ337267.1 gg_id:576457 Hydrography shapes biogeography deep Arctic Ocean water depth 428m clone CB18
DQ889888.1 gg_id:171264 natural product producing octocoral Erythropodium caribaeorum Chloroflexi clone E
GQ337238.1 gg_id:547643 Hydrography shapes biogeography deep Arctic Ocean water depth 1000m clone CB1
GU118655.1 gg_id:556998 Threatened Corals Provide Microbial Habitats clone Mfav_L15
EU491393.1 gg_id:273086 Abundance and microbial life ocean crust seafloor lavas Hawai'i South Point X3 clone
AY485298.1 gg_id:106593 marine sponge clone 263
AM997386.1 gg_id:569629 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A
GQ350036.1 gg_id:577420 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
GQ349088.1 gg_id:573377 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
FJ205383.1 gg_id:548109 Prokaryotic deep-sea hydrothermal region East Lau Spreading Centre deep marine se
GQ347250.1 gg_id:536270 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
GU118572.1 gg_id:562465 Threatened Corals Provide Microbial Habitats clone Mfav_A13
GU118688.1 gg_id:561516 Threatened Corals Provide Microbial Habitats clone Mfav_F17
AM259923.1 gg_id:257894 Chondrilla nucula-specific sponge mesohyl clone CN72
AY534097.1 gg_id:101670 Sargasso Sea clone SAR250
GQ337162.1 gg_id:569652 Hydrography shapes biogeography deep Arctic Ocean water depth 410m clone CB1
EF076113.1 gg_id:238932 Sponge- microorganisms: ecology and biotechnological potential Bahamas: Little San
GQ337281.1 gg_id:561898 Hydrography shapes biogeography deep Arctic Ocean water depth 996m clone NB0
AY704387.1 gg_id:111406 oceanic crust clone CTD005-74B-02
GQ348529.1 gg_id:583390 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
GQ337221.1 gg_id:587936 Hydrography shapes biogeography deep Arctic Ocean water depth 900m clone CB1
FJ481362.1 gg_id:583588 Microbes marine sponges sponge tissue clone XD2H09
GQ346854.1 gg_id:580967 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
EU050930.1 gg_id:256176 libraries sediment Kings Bay Svalbard Arctic clone SS1_B_06_02
AY592108.1 gg_id:104227 marine ANAMMOX sediment clone AY592108
GU118595.1 gg_id:584893 Threatened Corals Provide Microbial Habitats clone Mfav_A11
GU118631.1 gg_id:576491 Threatened Corals Provide Microbial Habitats clone Mfav_I09
FJ481370.1 gg_id:539992 Microbes marine sponges sponge tissue clone XE1F02
GU118545.1 gg_id:558878 Threatened Corals Provide Microbial Habitats clone Mfav_K09
FJ529347.1 gg_id:573945 Evidence vertical transmission symbionts adult embryo Caribbean sponge Svenzea ze
FJ481360.1 gg_id:580543 Microbes marine sponges sponge tissue clone XD2G11
AB186998.1 gg_id:99290 Suiyo seamount hydrothermal vent water 0.2micro-m filterable fraction clone SSM-NI
GU118524.1 gg_id:564046 Threatened Corals Provide Microbial Habitats clone Mfav_C19
DQ300598.1 gg_id:146759 microbial ocean's interior amplicon single fosmid library pool 130m depth HOT static
AF005747.2 gg_id:13754 deep subsurface paleosol clone H1.2.f
AJ567556.1 gg_id:90508 deep-sea sediment clone MBMPE42
EU491251.1 gg_id:260023 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak
GU118534.1 gg_id:578581 Threatened Corals Provide Microbial Habitats clone Mfav_C17
FJ481355.1 gg_id:510043 Microbes marine sponges sponge tissue clone XD2B11
AY534092.1 gg_id:100849 Sargasso Sea clone SAR292
AAUI01000026.1 gg_id:191282 Chloroflexus aggregans str. DSM 9485

GQ337267.1	576457	2279.2	2706.6	4195.2	3076.6	4978.7	6130.2
DQ889888.1	171264	40.1	48.8	33.2	79.1	102.5	51.2
GQ337238.1	547643	61.7	120.3	82.0	58.6	118.1	110.9
GU118655.1	556998	2519.8	2932.9	5768.3	3385.9	644.1	1954.7
EU491393.1	273086	5800.1	7028.2	3602.6	3368.5	5316.1	6129.4
AY485298.1	106593	176.1	383.8	528.6	559.6	89.4	158.1
AM997386.1	569629	13274.8	14245.4	18394.2	12702.5	14138.4	15458.7
GQ350036.1	577420	13211.4	13962.2	9348.9	10198.6	7408.5	7798.7
GQ349088.1	573377	8889.5	11248.3	12248.2	5923.6	7526.1	6116.2
FJ205383.1	548109	4970.8	6283.4	4636.2	3381.7	3102.3	2968.0
GQ347250.1	536270	35.1	88.2	168.0	69.9	118.4	130.3
GU118572.1	562465	13706.6	13800.5	2960.4	7321.9	4326.3	3367.6
GU118688.1	561516	6861.0	5532.8	3481.6	2886.1	1740.4	2161.7
AM259923.1	257894	4704.0	5652.8	3245.1	1485.3	1805.4	2299.2
AY534097.1	101670	9111.0	8537.2	9641.9	8635.3	6428.4	8048.3
GQ337162.1	569652	1475.9	1931.4	517.9	1554.8	510.7	1425.8
EF076113.1	238932	3769.4	2621.0	2558.2	1171.3	2470.5	3193.0
GQ337281.1	561898	3399.7	5409.7	4185.2	2189.5	990.1	1940.3
AY704387.1	111406	69.3	127.8	135.0	78.4	88.2	52.9
GQ348529.1	583390	42.2	43.4	94.0	68.4	68.1	38.7
GQ337221.1	587936	1719.7	2950.1	2935.8	1479.7	2943.9	3369.9
FJ481362.1	583588	1495.9	1757.2	1491.7	1146.3	1052.9	2352.4
GQ346854.1	580967	3496.4	4029.5	6163.1	2501.4	3704.2	4293.1
EU050930.1	256176	1227.8	1880.4	3277.8	2520.4	4200.5	2772.5
AY592108.1	104227	45.1	84.1	52.9	67.2	59.7	51.1
GU118595.1	584893	343.9	498.0	957.5	174.0	117.6	156.6
GU118631.1	576491	8810.4	8387.2	8072.1	6758.5	5947.4	6299.7
FJ481370.1	539992	4489.3	5019.5	8446.8	2722.1	2077.9	3419.6
GU118545.1	558878	3497.3	4254.9	9267.0	1884.9	1901.4	3953.9
FJ529347.1	573945	2832.0	3429.7	2677.4	2657.9	1273.5	2408.6
FJ481360.1	580543	1371.8	1387.7	1955.1	1191.2	769.3	1371.3
AB186998.1	99290	132.6	271.4	304.9	143.4	203.4	652.0
GU118524.1	564046	67.8	94.5	874.9	91.1	103.9	393.1
DQ300598.1	146759	235.5	141.0	390.7	318.5	100.5	149.4
AF005747.2	13754	140.6	309.6	192.5	83.5	66.9	58.3
AJ567556.1	90508	41.6	149.5	158.9	76.2	92.7	76.9
EU491251.1	260023	7826.3	9091.5	4345.7	4462.6	4178.0	4684.7
GU118534.1	578581	3011.6	3243.3	2526.4	1361.7	2865.7	2817.4
FJ481355.1	510043	8337.4	9418.9	9490.9	3909.6	3547.8	5119.7
AY534092.1	100849	172.8	148.3	675.5	115.0	113.4	221.6
AAUI01000026.1	191282	35.1	94.3	78.4	59.8	67.9	38.7

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Chloroflexi
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes

o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chloroflexaceae
o__Chloroflexales	f__Chlorothrixaceae
o__Chloroflexales	f__Chlorothrixaceae
o__Chloroflexales	f__Chlorothrixaceae
o__Chloroflexales	f__Chlorothrixaceae
o__Chloroflexales	f__Chlorothrixaceae
o__Chloroflexales	f__Oscillochloridaceae
o__Herpetosiphonales	f__Herpetosiphonaceae
o__Herpetosiphonales	f__Herpetosiphonaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae

g__Chloroflexus
g__Chloroflexus
g__Chloroflexus
g__Chloroflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__Roseiflexus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Oscillochloris
g__Herpetosiphon
g__Herpetosiphon
g__Dehalococcoides
g__Dehalococcoides
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__Chloroflexus sp. Y-400-fl	52032
s__unclassified	52073
s__unclassified	52148
s__unclassified	52484
s__Roseiflexus castenholzii	52820
s__unclassified	51921
s__unclassified	52122
s__unclassified	52204
s__unclassified	52305
s__unclassified	52332
s__unclassified	52544
s__unclassified	52745
s__unclassified	52756
s__unclassified	52904
s__unclassified	51811
s__unclassified	52031
s__unclassified	52308
s__unclassified	52318
s__unclassified	52642
s__unclassified	52913
s__unclassified	51891
s__unclassified	51904
s__unclassified	51996
s__unclassified	52255
s__unclassified	52664
s__Oscillochloris trichoides	51813
s__Herpetosiphon aurantiacus	52893
s__unclassified	52799
s__unclassified	55827
s__unclassified	56041
s__unclassified	54927
s__unclassified	55019
s__unclassified	55106
s__unclassified	55186
s__unclassified	55204
s__unclassified	55251
s__unclassified	55277
s__unclassified	55288
s__unclassified	55316
s__unclassified	55337
s__unclassified	55385

NC_010175.1 gg_id:244956 Chloroflexus aurantiacus str. J-10-fl
DQ329889.1 gg_id:159429 Guerrero Negro hypersaline microbial mat clone 01D2Z48
EU245131.1 gg_id:251486 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-H2-F12
AJ308501.1 gg_id:71275 Chloroflexus aurantiacus str. DSM 637
AB041226.1 gg_id:17199 Roseiflexus castenholzii str. HLO8
AB166782.1 gg_id:107332 EBPR sludge clone UTFS-OF06-31
EU589291.1 gg_id:273949 China Ningxia rice paddy field soil clone 2_C1
NC_009523.1 gg_id:235028 Roseiflexus sp. str. RS-1
GQ397092.1 gg_id:591650 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s
AB079639.1 gg_id:41211 Kouleothrix aurantiaca str. MYSI
FN594697.1 gg_id:579686 and arsenic mobilization rock biofilms ancient biofilom gold mine Zloty Stok clone b7
AY921852.1 gg_id:113942 farm soil clone AKYG724
X84565.2 gg_id:1281 sludge clone SBR2022
EF520511.1 gg_id:230687 structure lakes: what controls ? acid-impacted lake clone ADK-MOe02-82
EU335386.1 gg_id:253621 Changes microbial metabolic and along hydrogeochemically variable profile unsatura
AF507694.1 gg_id:65689 forest soil clone S095
EU134099.1 gg_id:241781 tallgrass prarie soil clone FFCH12331
EU881212.1 gg_id:329622 Karst region natural restoration land soil clone KNR200711-149
EU134100.1 gg_id:240467 tallgrass prarie soil clone FFCH12357
EU134120.1 gg_id:248223 tallgrass prarie soil clone FFCH14454
FJ203609.1 gg_id:307846 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
DQ103661.1 gg_id:133760 hypersaline endoevaporitic microbial mat clone E6aA10
GU118012.1 gg_id:590439 Threatened Corals Provide Microbial Habitats clone Apal_D13
DQ329906.1 gg_id:159054 Guerrero Negro hypersaline microbial mat clone 02D2Z24
EU246315.1 gg_id:253655 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P6-G07
AF146832.2 gg_id:73897 Oscillochloris sp. str. R
NC_009972.1 gg_id:245517 Herpetosiphon aurantiacus str. ATCC 23779
AF039293.1 gg_id:1266 Herpetosiphon geysericola str. ATCC23076
AF004928.2 gg_id:74423 Dehalococcoides ethenogenes str. strain 195
NC_002936.3 gg_id:109890 Dehalococcoides ethenogenes str. 195
EU385770.1 gg_id:272948 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S
AB177317.1 gg_id:132805 seafloor methane hydrate clone ODP1251B13.5
EU385739.1 gg_id:269946 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S
AB177189.1 gg_id:135968 seafloor methane hydrate clone ODP1230B3.02
EU487871.1 gg_id:534610 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
AY704392.1 gg_id:111801 oceanic crust clone FS117-42B-02
GQ143778.1 gg_id:406679 Level Continental Shelf Sediment and Phylum-level lineages Phylum Planctomycetes
FJ746273.1 gg_id:533019 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
FJ746218.1 gg_id:513194 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
AM943570.1 gg_id:260482 Microbial dolomite formation Lagoa Vermelha Brazil carbonaceous sediments hyper
AY592728.1 gg_id:105090 deep-sea mud volcano clone Napoli-3B-61; BC07-3B-61

NC_010175.1	244956	3102.6	2319.1	1355.6	1264.3	1988.3	2738.7
DQ329889.1	159429	35.5	45.5	103.7	71.7	76.2	53.7
EU245131.1	251486	1526.3	1486.8	1630.6	374.4	1438.3	1563.1
AJ308501.1	71275	88.1	63.5	104.2	111.7	67.4	49.1
AB041226.1	17199	1088.2	1674.2	1069.8	763.3	1262.0	1012.4
AB166782.1	107332	672.2	1138.8	3394.0	987.8	4855.8	4799.0
EU589291.1	273949	3281.3	4677.1	7064.3	3367.4	9250.3	12543.1
NC_009523.1	235028	108.7	135.8	308.0	152.3	430.4	720.1
GQ397092.1	591650	7853.4	8800.5	6316.1	5353.0	13462.5	11092.1
AB079639.1	41211	44.0	137.2	93.9	123.5	180.8	218.7
FN594697.1	579686	634.8	1020.7	6781.3	1078.5	2666.6	4713.5
AY921852.1	113942	2000.2	2944.8	3239.8	2678.4	2890.1	3287.5
X84565.2	1281	172.3	182.4	233.8	107.0	372.8	140.8
EF520511.1	230687	377.6	566.3	225.1	533.6	292.8	153.7
EU335386.1	253621	12109.4	12503.9	12307.3	9481.8	14892.3	12388.9
AF507694.1	65689	18.9	38.7	88.6	62.8	77.9	19.3
EU134099.1	241781	2626.3	2560.0	703.4	3388.9	2600.5	1819.5
EU881212.1	329622	3317.3	4808.3	5511.2	3378.7	5976.1	6216.2
EU134100.1	240467	520.2	714.6	887.3	673.8	162.1	366.5
EU134120.1	248223	3408.6	3908.6	9494.0	3529.0	5467.5	4825.4
FJ203609.1	307846	189.3	187.8	422.8	187.8	108.7	43.7
DQ103661.1	133760	28.7	51.0	66.4	50.1	71.6	27.2
GU118012.1	590439	443.0	349.3	343.3	1810.7	757.0	1052.9
DQ329906.1	159054	30.8	61.4	61.9	52.6	69.9	55.5
EU246315.1	253655	8758.0	8390.2	5576.6	4071.5	3598.9	2117.7
AF146832.2	73897	136.4	204.2	109.8	149.3	80.8	64.6
NC_009972.1	245517	695.3	623.5	405.7	238.5	78.3	149.8
AF039293.1	1266	95.3	115.5	53.3	77.2	53.8	43.7
AF004928.2	74423	9120.5	10698.7	8059.4	6740.0	10467.8	8242.3
NC_002936.3	109890	3518.7	3608.1	3947.1	4283.8	2771.3	3284.0
EU385770.1	272948	3102.6	4015.4	2548.2	3601.2	3945.6	4095.3
AB177317.1	132805	2816.8	8620.8	1568.3	4882.4	328.5	808.3
EU385739.1	269946	3102.2	4209.6	9324.2	1394.1	1674.0	1339.1
AB177189.1	135968	24.7	28.5	162.6	59.5	60.6	27.7
EU487871.1	534610	6337.7	7769.4	6345.0	6860.0	6162.4	6264.8
AY704392.1	111801	282.4	722.8	702.8	362.0	279.9	332.9
GQ143778.1	406679	22.4	45.7	161.2	48.9	66.5	28.1
FJ746273.1	533019	2654.7	3204.8	3474.3	2689.5	1851.4	1837.6
FJ746218.1	513194	7983.1	8057.8	6145.0	6820.7	5286.7	6270.0
AM943570.1	260482	2721.0	2898.8	3624.2	2378.4	2033.4	2280.5
AY592728.1	105090	263.0	355.5	443.9	209.9	126.4	99.7

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes

o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalococcoidales	f__Dehalococcoidaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas

s__unclassified	55436
s__unclassified	55439
s__unclassified	55451
s__unclassified	55509
s__unclassified	55552
s__unclassified	55562
s__unclassified	55573
s__unclassified	55617
s__unclassified	55626
s__unclassified	55636
s__unclassified	55681
s__unclassified	55714
s__unclassified	55715
s__unclassified	55737
s__unclassified	55844
s__unclassified	55921
s__unclassified	55924
s__unclassified	55975
s__unclassified	56033
s__unclassified	56076
s__unclassified	56230
s__unclassified	56273
s__unclassified	56307
s__unclassified	56312
s__unclassified	56322
s__unclassified	56334
s__unclassified	56364
s__unclassified	54952
s__unclassified	54959
s__unclassified	55013
s__unclassified	55023
s__unclassified	55056
s__unclassified	55093
s__unclassified	55109
s__unclassified	55206
s__unclassified	55233
s__unclassified	55256
s__unclassified	55314
s__unclassified	55595
s__unclassified	55650
s__unclassified	55654

FJ902307.1 gg_id:587486 phreatic limestone sinkholes northeastern Mexico biomat rock outcrop cenote La Pal
FJ746184.1 gg_id:510245 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
FJ746258.1 gg_id:508819 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
AY093479.1 gg_id:63106 deep marine sediment clone MB-C2-126
FJ873285.1 gg_id:547318 Vertical and archaea methane-rich cold seep located base sediments Okhotsk Sea clo
EU385867.1 gg_id:273645 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S
EU487958.1 gg_id:545811 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
EU181494.1 gg_id:257219 Prokaryotic enhanced organic matter remineralization continental margin marine se
AF005745.1 gg_id:13747 deep subsurface paleosol clone t0.6.f
U81649.2 gg_id:13743 anaerobic digestor clone vadinBA26
FJ810554.1 gg_id:461677 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su
AM943590.1 gg_id:277282 Microbial dolomite formation Lagoa Vermelha Brazil carbonaceous sediments hype
EU679418.1 gg_id:573684 Dehalogenimonas lykanthroporepellens str. BL-DC-8
AF005750.2 gg_id:13748 deep subsurface paleosol clone H3.93
AB300091.1 gg_id:225611 Wide ancient microbial DNAs Quaternary sediments holocene mud sediment clone K
DQ223084.1 gg_id:143078 Field-Scale Quantification Dehalococcoides sp. Chlorinated Ethene-Contaminated A
EU488207.1 gg_id:544565 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
EU385763.1 gg_id:265942 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S
EU385870.1 gg_id:263318 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S
DQ394965.1 gg_id:153904 harbor sediment clone VHS-B3-81
EU037997.1 gg_id:241901 Episodic subaerial speleogenesis controlled mineralogy microbial colonization and cc
CU917587.1 gg_id:538628 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
DQ513102.1 gg_id:160026 Microbial life fluids ridge flank crustal fluid clone FS274-70B-03
EU385714.1 gg_id:274642 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S
AB241538.1 gg_id:143037 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon
DQ513037.1 gg_id:160017 Microbial life fluids ridge flank crustal fluid clone FS142-4B-02
AB189693.1 gg_id:113904 termite gut homogenate clone Tc-59
AF407200.1 gg_id:31890 CB-contaminated groundwater clone GIF9
FJ264678.1 gg_id:330913 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim
DQ463707.2 gg_id:167201 distinct Lake Tanganyika anoxic hypolimnion clone TK-SH11
AM086125.1 gg_id:147104 Abundance and archaea mesotrophic Lake Kinneret lake profundal sediment clone
FN396625.1 gg_id:554232 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_0_II
DQ394968.1 gg_id:155275 harbor sediment clone VHS-B3-87
EU542435.1 gg_id:261089 Effects chemical structure concentration on pathways microbial during dechlorinatio
FJ901746.1 gg_id:512765 phreatic limestone sinkholes northeastern Mexico biomat 50m deep cenote La Palita
EU386079.1 gg_id:267006 Biogeographical and microbes sediments on subseafloor sediment South China Sea
AY093456.1 gg_id:56382 deep marine sediment clone MB-A2-101
EU385821.1 gg_id:273489 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S
GQ143803.1 gg_id:409759 Level Continental Shelf Sediment and Phylum-level lineages Phylum Planctomycetes
GQ259278.1 gg_id:563464 Microbial activities coastal marine sediments and water column Svalbard deep sedi
FJ873289.1 gg_id:549034 Vertical and archaea methane-rich cold seep located base sediments Okhotsk Sea clo

FJ902307.1	587486	2675.3	3762.4	4256.1	4410.6	2773.4	2735.9
FJ746184.1	510245	248.7	358.0	517.4	166.8	191.0	132.3
FJ746258.1	508819	6114.0	6897.9	3579.7	3317.7	2842.1	2449.0
AY093479.1	63106	608.6	683.8	360.7	309.7	86.9	187.4
FJ873285.1	547318	2303.8	2428.0	2562.2	1824.2	1991.3	2181.5
EU385867.1	273645	3800.0	3762.9	3625.6	5080.6	7898.5	7646.3
EU487958.1	545811	4306.8	3917.1	4897.4	6032.0	3782.2	3986.5
EU181494.1	257219	2613.6	3377.6	4528.1	3166.5	657.5	1127.5
AF005745.1	13747	183.2	332.7	420.9	206.4	102.3	105.1
U81649.2	13743	16.0	25.7	235.4	49.3	42.0	11.4
FJ810554.1	461677	3237.5	2372.3	3636.2	2828.6	1913.9	1377.3
AM943590.1	277282	10356.5	12308.6	9420.8	7312.4	10973.1	11246.2
EU679418.1	573684	3007.8	3944.4	7266.2	5354.7	1683.6	2737.9
AF005750.2	13748	3612.3	4262.0	2141.2	3700.1	2040.0	1805.1
AB300091.1	225611	94.5	115.9	370.2	125.9	500.8	75.5
DQ223084.1	143078	1472.5	2393.1	3090.7	1675.1	649.4	916.0
EU488207.1	544565	5068.1	6078.5	4271.8	4164.6	6670.1	6242.6
EU385763.1	265942	3816.6	5836.4	4877.1	3998.3	2685.1	3775.0
EU385870.1	263318	5598.5	5708.0	4624.8	4233.1	5537.5	4857.0
DQ394965.1	153904	64.9	162.3	91.5	127.8	86.1	117.2
EU037997.1	241901	2981.1	5115.8	4818.0	3734.3	2016.8	2346.4
CU917587.1	538628	4217.0	4320.0	3300.1	2925.5	3570.1	2748.6
DQ513102.1	160026	8021.3	8716.2	8466.5	7094.6	4339.5	5570.5
EU385714.1	274642	3518.0	6648.3	4615.7	3311.3	2744.9	4071.3
AB241538.1	143037	71.7	201.5	1244.6	115.3	115.5	99.0
DQ513037.1	160017	32.0	41.5	222.4	69.1	76.5	55.2
AB189693.1	113904	922.6	672.0	1059.6	308.7	928.1	436.5
AF407200.1	31890	7054.0	10047.9	846.7	594.6	352.1	228.7
FJ264678.1	330913	8881.3	9699.7	10498.6	7208.4	4211.8	5237.4
DQ463707.2	167201	2454.0	2476.6	1818.0	2501.1	1993.7	2595.7
AM086125.1	147104	39.2	58.2	178.8	72.9	56.1	19.1
FN396625.1	554232	3230.8	5079.7	5125.4	5028.1	4103.1	4943.0
DQ394968.1	155275	1092.4	1823.8	212.0	253.7	646.8	315.2
EU542435.1	261089	2510.3	3143.0	4823.8	4468.7	2899.2	2891.8
FJ901746.1	512765	1251.7	1274.1	676.1	431.7	105.6	161.1
EU386079.1	267006	5058.6	7153.9	7215.7	4135.7	2803.8	3286.3
AY093456.1	56382	80.1	219.7	206.3	151.6	304.8	350.4
EU385821.1	273489	6764.5	7323.9	5222.7	4739.2	3209.6	3251.8
GQ143803.1	409759	2871.9	3189.6	2072.8	782.4	306.6	492.5
GQ259278.1	563464	11647.4	11862.0	9286.3	8575.5	7806.8	10096.3
FJ873289.1	549034	5839.5	6404.9	4035.8	1738.6	1261.6	1285.0

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Dehalococcoidetes
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria

o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__Dehalogenimonales	f__Dehalogenimonaceae
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__S085
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__TK17	f__unclassified
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae

g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__Dehalogenimonas
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfC
g__sfD
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter

s__unclassified	55734
s__unclassified	55747
s__unclassified	55754
s__unclassified	55909
s__unclassified	56020
s__unclassified	56103
s__unclassified	56169
s__unclassified	56225
s__unclassified	56304
s__unclassified	56337
s__unclassified	55208
s__unclassified	55295
s__unclassified	55389
s__unclassified	55424
s__unclassified	55515
s__unclassified	55732
s__unclassified	55843
s__unclassified	55980
s__unclassified	56308
s__unclassified	56315
s__unclassified	55603
s__unclassified	55932
s__unclassified	55935
s__unclassified	56069
s__unclassified	55941
s__unclassified	56228
s__unclassified	55695
s__unclassified	55283
s__unclassified	51903
s__unclassified	51918
s__unclassified	51925
s__unclassified	51928
s__unclassified	51936
s__unclassified	51973
s__unclassified	52039
s__unclassified	52055
s__unclassified	52065
s__unclassified	52109
s__unclassified	52177
s__unclassified	52217
s__unclassified	52256

FJ901649.1 gg_id:570224 phreatic limestone sinkholes northeastern Mexico biomat 30m deep cenote La Palita
EU181502.1 gg_id:253195 Prokaryotic enhanced organic matter remineralization continental margin marine se
EU488464.1 gg_id:535141 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
FJ746280.1 gg_id:559658 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
DQ330175.1 gg_id:159156 Guerrero Negro hypersaline mat clone 08D2Z16
AB525458.1 gg_id:552108 Segregated ANME-1 and -2 cold-seep marine sediments deep-sea methane seep sed
GQ246424.1 gg_id:559475 Temporal and spatial China North Yel Sea sediments clone Ld1-29
DQ811888.1 gg_id:163063 mangrove soil clone MSB-5B10
FJ264593.1 gg_id:352084 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim
EF061972.1 gg_id:199608 Xiamen China mangrove sediment clone XME56
GQ264467.1 gg_id:568917 Structure Simulated Level Waste Site simulated level waste site clone WW3_173
EU386131.1 gg_id:273805 Biogeographical and microbes sediments on subseafloor sediment South China Sea c
EU335161.1 gg_id:241504 Changes microbial metabolic and along hydrogeochemically variable profile saturate
EF019820.1 gg_id:206654 aspen rhizosphere clone Elev_16S_1165
EU287395.1 gg_id:249501 Pacific arctic surface sediment clone S26-95
GQ262892.1 gg_id:582010 Structure Simulated Level Waste Site simulated level waste site clone F1_52X2
GQ264295.1 gg_id:571700 Structure Simulated Level Waste Site simulated level waste site clone WW2_113
AF507693.1 gg_id:65691 forest soil clone S085
GQ402693.1 gg_id:587291 Accessing microbial biodiversity and metabolic potential tropical -based approach p
DQ837236.1 gg_id:255513 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_2B_10
EF019508.1 gg_id:213345 aspen rhizosphere clone Elev_16S_1010
FJ746136.1 gg_id:512873 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
EF019505.1 gg_id:210026 aspen rhizosphere clone Elev_16S_1007
FJ746106.1 gg_id:543849 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
GQ264238.1 gg_id:577544 Structure Simulated Level Waste Site simulated level waste site clone WW1_b36
FJ153023.1 gg_id:329203 Changes ly soil (Mexico) flooding alkaline saline soils former lake Texcoco clone TX4C
EF157231.1 gg_id:239349 Microbial natural asphalts rancho la brea heavy oil seeps Rancho La Brea tar pits clon
FN545887.2 gg_id:567811 un 2 Rupi basin Bulgaria hot spring clone S2R-176
EU043839.1 gg_id:246200 luences structure fosters richness subtropical Altamaha Ohopee River Valley inland c
EF516921.1 gg_id:222810 grassland soil clone FCPN634
FJ466072.1 gg_id:513165 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea
EF494362.1 gg_id:222240 Nunnock River granitic landscape clone NR.1.006
AY425774.1 gg_id:104491 volcanic deposit 1790 clone 1790-6
GU205279.1 gg_id:525657 unusual Microbial Venezuelan Tepui (Orthoquartzite) Cave: Dominance Chloroflexal
DQ128986.2 gg_id:183422 old forest soil clone HSB OF53_F07
EF492970.1 gg_id:250185 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule
EF516298.1 gg_id:226220 grassland soil clone FCPN436
EU134194.1 gg_id:254105 tallgrass prarie soil clone FFCH12345
DQ450736.1 gg_id:161567 Microbial Alpine Tundra Wet Meadow Soil: Chloroflexi Cold Water-Saturated satura
FJ478503.1 gg_id:557636 species richness estimates obtained nearly and simulated pyrosequencing-generated
EU881266.1 gg_id:321040 (long-term grazing and burned annual) Karst region serious disturbance field soil clor

FJ901649.1	570224	857.3	2106.5	4833.5	1258.1	2505.6	2856.5
EU181502.1	253195	1117.0	2075.2	669.5	475.8	822.4	678.5
EU488464.1	535141	3440.5	5606.7	5740.7	6455.8	5559.1	6541.9
FJ746280.1	559658	3840.5	4891.2	4713.5	2185.6	2640.0	2611.1
DQ330175.1	159156	66.4	120.9	152.5	88.5	101.1	57.8
AB525458.1	552108	10417.7	11217.0	14766.4	10659.0	12659.3	10863.0
GQ246424.1	559475	11491.4	12281.5	5844.8	8313.7	7638.0	8026.0
DQ811888.1	163063	10382.4	11550.1	6544.0	7555.2	7161.3	7583.6
FJ264593.1	352084	3994.5	5332.1	4838.2	5623.6	1055.1	1570.6
EF061972.1	199608	3231.2	3510.9	1785.9	3355.8	1032.3	2353.9
GQ264467.1	568917	3860.6	4948.5	4932.4	2509.5	3998.1	2971.6
EU386131.1	273805	7085.6	6853.0	13129.8	5514.3	3311.7	7171.4
EU335161.1	241504	675.4	1494.4	2365.1	562.3	520.8	1481.8
EF019820.1	206654	261.3	340.1	1382.3	107.8	175.9	201.1
EU287395.1	249501	4176.6	4257.9	4803.2	2211.8	5734.3	4933.9
GQ262892.1	582010	2621.5	2484.3	3235.9	2146.0	1828.0	2068.8
GQ264295.1	571700	2882.4	4181.9	5556.9	1363.0	2923.1	3150.8
AF507693.1	65691	834.2	954.0	1553.3	451.4	1151.5	1407.8
GQ402693.1	587291	3744.3	4713.3	5903.5	2502.2	969.4	878.8
DQ837236.1	255513	114.0	74.6	2014.6	50.7	46.5	72.2
EF019508.1	213345	65.6	68.2	491.5	99.3	167.2	205.0
FJ746136.1	512873	2354.5	3908.9	8283.1	1996.1	5671.4	7968.5
EF019505.1	210026	102.6	302.7	269.7	107.6	99.6	66.6
FJ746106.1	543849	16296.8	17359.0	16336.4	10913.2	7785.2	9052.2
GQ264238.1	577544	2860.4	4284.3	7506.2	3901.4	5861.9	4013.4
FJ153023.1	329203	2748.9	3798.3	9116.3	3038.2	3179.3	3030.7
EF157231.1	239349	5959.8	6437.3	9389.9	4221.8	1362.4	4309.7
FN545887.2	567811	14827.6	14373.9	9050.5	11012.4	6005.0	5611.4
EU043839.1	246200	734.2	964.1	1127.1	1238.3	208.4	381.6
EF516921.1	222810	26.4	47.4	37.8	48.1	55.9	30.1
FJ466072.1	513165	7785.1	6919.4	3670.4	3807.3	3101.4	3450.2
EF494362.1	222240	2628.7	2362.5	1914.0	3309.1	2908.0	3658.4
AY425774.1	104491	26.1	28.4	33.1	67.4	65.5	23.0
GU205279.1	525657	8231.7	8126.7	7851.4	6883.3	12966.8	13005.6
DQ128986.2	183422	14.1	30.6	24.5	36.1	61.3	27.5
EF492970.1	250185	18276.3	16126.0	16312.3	13021.4	15999.0	14771.9
EF516298.1	226220	2402.6	2207.3	1959.4	1211.5	1883.4	1534.0
EU134194.1	254105	5612.5	7634.0	5589.9	2900.1	2373.1	4049.6
DQ450736.1	161567	745.6	1134.5	666.3	1370.8	340.7	369.4
FJ478503.1	557636	9222.1	10240.9	3248.9	3334.6	3570.4	2913.2
EU881266.1	321040	11635.4	11957.3	8370.7	8862.5	6932.6	6978.8

k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Ktedonobacteria
k__Bacteria	k__Bacteria	p__Chloroflexi	c__RA13C7
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31

o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__Ktedonobacteriales	f__Ktedonobacteraceae
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified

g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__Ktedonobacter
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA

s__unclassified	52331
s__unclassified	52353
s__unclassified	52376
s__unclassified	52389
s__unclassified	52424
s__unclassified	52442
s__unclassified	52447
s__unclassified	52515
s__unclassified	52516
s__unclassified	52582
s__unclassified	52591
s__unclassified	52620
s__unclassified	52630
s__unclassified	52648
s__unclassified	52657
s__unclassified	52676
s__unclassified	52765
s__unclassified	52770
s__unclassified	52853
s__unclassified	52905
s__unclassified	52915
s__unclassified	55743
s__unclassified	55085
s__unclassified	55205
s__unclassified	55301
s__unclassified	55380
s__unclassified	55383
s__unclassified	55441
s__unclassified	55544
s__unclassified	55572
s__unclassified	55655
s__unclassified	55703
s__unclassified	55742
s__unclassified	55752
s__unclassified	55902
s__unclassified	56007
s__unclassified	56012
s__unclassified	56031
s__unclassified	56052
s__unclassified	56174
s__unclassified	56180

DQ450724.1 gg_id:160289 Microbial Alpine Tundra Wet Meadow Soil: Chloroflexi Cold Water-Saturated saturat
EU134187.1 gg_id:238971 tallgrass prarie soil clone FFCH11515
EF516303.1 gg_id:217400 grassland soil clone FCPP610
EF516607.1 gg_id:217959 grassland soil clone FCPS457
EF516939.1 gg_id:226026 grassland soil clone FCPN516
AY425786.1 gg_id:100895 volcanic deposit 1959 clone 1959-2
FJ466064.1 gg_id:551596 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea
AY425785.1 gg_id:100738 volcanic deposit 1959 clone 1959-1
AM749770.1 gg_id:246345 Isolation ing candidate division soils New Zealand steam-affected geothermal soil
EU117169.1 gg_id:257714 Scratching surface rare biosphere tag primers recent progress made toward microbi
DQ395967.1 gg_id:154958 deep-sea octacoral clone ctg_CGOGA96
FJ479460.1 gg_id:557444 species richness estimates obtained nearly and simulated pyrosequencing-generated
EU133984.1 gg_id:241342 tallgrass prarie soil clone FFCH15563
DQ450723.1 gg_id:160354 Microbial Alpine Tundra Wet Meadow Soil: Chloroflexi Cold Water-Saturated saturat
AY425792.1 gg_id:105343 volcanic deposit 1959 clone 1959-8
EF018760.1 gg_id:204816 aspen rhizosphere clone Amb_16S_1221
DQ453119.1 gg_id:156599 acid mine drainage waste ore deposit clone S23
FJ466045.1 gg_id:513135 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea
EU881207.1 gg_id:316520 Karst region natural restoration land soil clone KNR200711-096
EU133983.1 gg_id:240228 tallgrass prarie soil clone FFCH14125
AM180156.1 gg_id:159894 Ktedobacter racemifer str. SOSP1-21
EF516615.1 gg_id:223797 grassland soil clone FCPT647
AY221067.1 gg_id:102760 sediments collected at Charon's Cascade near Echo River October 2000 clone CCM6b
EF018635.1 gg_id:212027 aspen rhizosphere clone Amb_16S_916
EF018870.1 gg_id:206963 aspen rhizosphere clone Amb_16S_1353
EF018585.1 gg_id:207796 aspen rhizosphere clone Amb_16S_854
EF018513.1 gg_id:206278 aspen rhizosphere clone Amb_16S_768
EF018442.1 gg_id:206890 aspen rhizosphere clone Amb_16S_1066
GQ263112.1 gg_id:566107 Structure Simulated Level Waste Site simulated level waste site clone F2_63X2
DQ067037.1 gg_id:134616 Lake Washington sediment clone pLW-95
FJ478583.1 gg_id:541082 species richness estimates obtained nearly and simulated pyrosequencing-generated
EU488103.1 gg_id:549321 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
GU444080.1 gg_id:522273 Effects amendments on fertility and microbial structure cucumber Cucumis sativus L
DQ814518.1 gg_id:168875 zebrafish digestive tract clone aaa30c11
EU644259.1 gg_id:282711 and Samoylov Island Lena active layer -centred polygon near surface horizon; Rim_T
EF516339.1 gg_id:218184 grassland soil clone FCPS580
AM709744.1 gg_id:256904 symbiotic Ruegeria strains cuttlefish Sepia officinalis renal appendages clone B4SOA
EU644199.1 gg_id:284171 and Samoylov Island Lena active layer -centred polygon near surface horizon; Rim_T
EF516912.1 gg_id:217746 grassland soil clone FCPU758
EU488018.1 gg_id:534789 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
GQ397072.1 gg_id:512939 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s

DQ450724.1	160289	4561.9	5066.8	1283.5	1161.3	2859.2	1189.5
EU134187.1	238971	3969.1	4443.1	4019.7	3338.2	3752.8	3337.0
EF516303.1	217400	25.2	41.2	361.3	142.8	122.7	105.8
EF516607.1	217959	24.8	38.5	34.5	61.2	70.1	26.9
EF516939.1	226026	27.9	90.6	124.5	85.1	71.5	80.4
AY425786.1	100895	8362.5	7981.2	5088.1	5895.4	4398.0	4721.3
FJ466064.1	551596	5708.6	4886.8	9786.1	3491.8	2239.1	3107.8
AY425785.1	100738	7597.3	6461.4	8617.3	7613.0	5658.2	5565.4
AM749770.1	246345	6256.0	5483.1	3827.2	2025.1	2224.1	1305.5
EU117169.1	257714	13028.4	11685.4	5731.3	8711.3	8442.9	9416.9
DQ395967.1	154958	5107.0	6860.7	3410.7	4495.8	6759.6	4281.4
FJ479460.1	557444	792.2	926.3	1010.9	275.4	310.9	453.8
EU133984.1	241342	3810.3	4908.0	3752.9	4534.9	2260.5	2691.7
DQ450723.1	160354	43.2	64.8	55.6	56.5	66.6	30.5
AY425792.1	105343	173.6	258.7	65.9	174.5	64.0	37.2
EF018760.1	204816	2404.7	1923.7	2899.4	913.3	277.6	483.6
DQ453119.1	156599	3148.2	2379.7	668.9	618.3	299.2	196.7
FJ466045.1	513135	5047.3	6862.4	5145.6	4939.8	5175.1	5755.4
EU881207.1	316520	11584.5	12147.3	8761.0	5896.9	3551.9	4942.4
EU133983.1	240228	12010.2	13362.8	7357.7	7731.7	8172.9	8459.4
AM180156.1	159894	1996.2	1455.8	2114.0	3804.5	706.4	553.6
EF516615.1	223797	641.5	715.2	2171.4	891.2	127.3	258.1
AY221067.1	102760	823.7	1199.3	1483.4	524.4	387.7	818.6
EF018635.1	212027	6250.8	5130.7	4336.9	5727.0	2441.3	3464.8
EF018870.1	206963	599.7	1112.8	750.5	392.4	372.7	318.3
EF018585.1	207796	2032.4	2307.3	1898.3	334.6	244.4	396.1
EF018513.1	206278	433.6	487.2	1392.5	290.6	1029.2	2084.1
EF018442.1	206890	38.6	45.1	282.5	52.5	79.8	38.7
GQ263112.1	566107	4958.4	7420.6	9884.5	4371.1	3356.7	3845.1
DQ067037.1	134616	2224.6	1504.5	1402.1	630.4	92.2	62.2
FJ478583.1	541082	12943.6	12841.8	10392.4	9173.3	8723.3	9400.0
EU488103.1	549321	471.1	765.5	823.1	637.3	453.1	616.9
GU444080.1	522273	127.1	279.9	1851.0	163.2	318.4	323.3
DQ814518.1	168875	1497.7	1299.8	535.9	1442.9	1258.5	578.4
EU644259.1	282711	4363.5	4728.0	1113.3	3008.3	6406.2	4422.8
EF516339.1	218184	1385.2	1126.1	1627.9	1638.7	289.5	1036.2
AM709744.1	256904	1109.6	2304.5	589.7	2331.7	1702.7	324.4
EU644199.1	284171	9861.1	8527.7	5418.4	6746.1	7817.4	7167.0
EF516912.1	217746	106.0	215.4	368.3	183.7	99.6	85.7
EU488018.1	534789	1517.7	2212.7	2659.7	3385.5	919.6	2019.8
GQ397072.1	512939	2315.8	4351.4	3651.2	2001.5	2753.9	3534.0

k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__SOGA31
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermobacula
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermobacula
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermobacula
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__Thermomicrobia
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK-SH13
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17
k__Bacteria	k__Bacteria	p__Chloroflexi	c__TK17

o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Thermobaculales	f__Thermobaculaceae
o__Thermobaculales	f__Thermobaculaceae
o__Thermobaculales	f__Thermobaculaceae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales	f__Sphaerobacterineae
o__Sphaerobacterales/Thermomicrobiales	f__Sphaerobacterineae/Thermomicrobiaceae
o__Sphaerobacterales/Thermomicrobiales	f__Sphaerobacterineae/Thermomicrobiaceae
o__unclassified	f__unclassified
o__mle1-48	f__unclassified
o__mle1-48	f__unclassified
o__TK18	f__unclassified
o__TK18	f__unclassified
o__TK18	f__unclassified
o__TK18	f__unclassified

g__sfA
g__sfA
g__sfB
g__sfB
g__sfB
g__sfB
g__sfB
g__sfB
g__sfC
g__sfC
g__sfC
g__sfD
g__sfD
g__Thermobaculum
g__Thermobaculum
g__Thermobaculum
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__HN1-15
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Thermomicrobium/Sphaerobacter
g__Thermomicrobium/Sphaerobacter
g__sfA
g__sfA
g__sfB
g__sfA
g__sfA
g__sfB
g__sfB

s__unclassified	56310
s__unclassified	56378
s__unclassified	55063
s__unclassified	55114
s__unclassified	55193
s__unclassified	55302
s__unclassified	55369
s__unclassified	56240
s__unclassified	55033
s__unclassified	55149
s__unclassified	55838
s__unclassified	55656
s__unclassified	56162
s__Thermobaculum terrenum	51841
s__unclassified	53207
s__unclassified	53281
s__unclassified	51837
s__unclassified	52013
s__unclassified	52047
s__unclassified	52136
s__unclassified	52201
s__unclassified	52299
s__unclassified	52421
s__unclassified	52540
s__unclassified	52632
s__unclassified	52785
s__unclassified	52805
s__unclassified	52370
s__unclassified	52390
s__unclassified	52427
s__unclassified	52435
s__unclassified	52478
s__unclassified	52661
s__unclassified	52830
s__unclassified	53941
s__unclassified	56254
s__unclassified	55784
s__unclassified	55702
s__unclassified	56361
s__unclassified	55387
s__unclassified	55608

AY922066.1 gg_id:112929 farm soil clone AKYG802
AY921908.1 gg_id:113232 farm soil clone AKYG799
AM936012.1 gg_id:543404 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd
GQ060729.1 gg_id:386935 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw04g05
GQ263079.1 gg_id:544441 Structure Simulated Level Waste Site simulated level waste site clone F2_28X
GQ263407.1 gg_id:586660 Structure Simulated Level Waste Site simulated level waste site clone FW1_b92
GQ263023.1 gg_id:551069 Structure Simulated Level Waste Site simulated level waste site clone F2_147X
GQ015431.1 gg_id:494235 Topographical and Temporal Human Skin Microbiome skin back clone nbw816e07c1
AY466492.2 gg_id:105919 Chloroflexi clone SL56
EU803451.1 gg_id:329466 It's all ranking aquatic Lake Gatun clone 5C231021
EU803715.1 gg_id:309421 It's all ranking aquatic Lake Gatun clone 5C231324
EF018686.1 gg_id:212287 aspen rhizosphere clone Amb_16S_977
EF516242.1 gg_id:225131 grassland soil clone FCPS494
CP001825.1 gg_id:531464 Thermobaculum terrenum str. ATCC BAA-798
EU488088.1 gg_id:551024 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
EU245384.1 gg_id:256810 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M1-A0
DQ129389.1 gg_id:137866 microarray level air two cities Texas urban aerosol clone AKIW710
FJ894331.1 gg_id:566611 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota B2E; ear pu
EU786123.1 gg_id:549954 cotton rhizosphere soil clone 3H-24
AY221598.1 gg_id:90766 lead-contaminated soil clone HN1-15
FJ672690.1 gg_id:526791 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675508.1 gg_id:514898 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
EF018629.1 gg_id:213308 aspen rhizosphere clone Amb_16S_909
GQ114903.1 gg_id:445772 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
EF157268.1 gg_id:247875 Microbial natural asphalts rancho la brea heavy oil seeps Rancho La Brea tar pits clon
CU920279.1 gg_id:542927 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
EU134180.1 gg_id:247448 tallgrass prarie soil clone FFCH3294
EU979025.1 gg_id:349986 Effects intercropping Rhizobium inoculation on microbial biomass and rhizosphere be
AY921935.1 gg_id:113628 farm soil clone AKYG1722
FJ671223.1 gg_id:516459 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ263645.1 gg_id:578531 Structure Simulated Level Waste Site simulated level waste site clone FW3_32C
GQ263073.1 gg_id:538027 Structure Simulated Level Waste Site simulated level waste site clone F2_22X
AJ420142.1 gg_id:20892 Sphaerobacter thermophilus
CP001824.1 gg_id:528078 Sphaerobacter thermophilus str. DSM 20745
FJ901603.1 gg_id:534687 phreatic limestone sinkholes northeastern Mexico biomat 30m deep cenote La Palita
GQ263261.1 gg_id:583206 Structure Simulated Level Waste Site simulated level waste site clone F3_91X
FJ481356.1 gg_id:592776 Microbes marine sponges sponge tissue clone XD2C08
FJ481270.1 gg_id:582300 Microbes marine sponges sponge tissue clone XB1A10F
EF076076.1 gg_id:255100 Sponge- microorganisms: ecology and biotechnological potential Bahamas: Little San
GU118592.1 gg_id:554992 Threatened Corals Provide Microbial Habitats clone Mfav_D06
EU035922.2 gg_id:353248 Insight microbial structure Norwegian deep-water Desmacidon sponge deep-sea cor

AY922066.1	112929	67.9	155.0	105.8	71.0	55.8	29.8
AY921908.1	113232	7658.6	9222.3	2671.4	1808.8	1226.8	1252.4
AM936012.1	543404	15334.9	15993.3	13961.9	11031.6	16610.6	14457.6
GQ060729.1	386935	12866.7	12108.0	11765.8	10997.1	10726.5	9334.1
GQ263079.1	544441	2932.7	4010.4	2842.0	1576.2	1255.4	989.8
GQ263407.1	586660	1685.6	1559.5	1584.0	2054.4	869.3	1354.3
GQ263023.1	551069	5251.3	5006.6	2829.7	6198.6	1136.0	2869.8
GQ015431.1	494235	11317.9	12191.1	8799.8	7743.5	9037.7	8162.3
AY466492.2	105919	1193.9	880.0	302.9	538.6	1076.4	853.9
EU803451.1	329466	6052.3	6199.0	2310.1	4491.8	3173.7	2625.3
EU803715.1	309421	4375.8	4963.7	2715.7	3264.9	14770.9	7924.4
EF018686.1	212287	663.6	668.5	2277.8	1109.9	199.3	355.1
EF516242.1	225131	4561.5	6168.0	6461.1	1033.6	1096.6	1604.2
CP001825.1	531464	109.6	230.4	200.3	106.1	87.4	125.4
EU488088.1	551024	5772.8	6042.3	9020.6	4774.3	3002.4	4660.5
EU245384.1	256810	3758.9	4249.9	5353.0	3723.2	1055.1	2845.3
DQ129389.1	137866	2664.8	2369.5	4566.5	3267.3	2138.9	3533.4
FJ894331.1	566611	5184.6	6521.3	5237.0	3994.4	3325.2	3185.0
EU786123.1	549954	8183.9	7631.4	6283.9	7571.7	13346.3	12036.0
AY221598.1	90766	8688.2	9402.1	7576.0	8543.9	9828.7	10764.1
FJ672690.1	526791	17446.7	18239.7	12458.9	12148.2	12117.4	11825.4
FJ675508.1	514898	13685.4	15825.3	8893.2	7139.2	6359.2	6312.0
EF018629.1	213308	1348.1	955.4	382.1	214.7	130.1	138.4
GQ114903.1	445772	2064.0	3503.5	4575.2	2364.4	6494.4	5505.4
EF157268.1	247875	1918.3	2929.8	1387.4	1590.8	2792.6	2806.8
CU920279.1	542927	33.2	64.8	69.9	65.6	84.6	46.6
EU134180.1	247448	4751.4	5575.4	4096.7	2798.6	4705.0	2047.8
EU979025.1	349986	6665.6	7523.1	5195.9	5820.6	3508.0	3945.9
AY921935.1	113628	127.8	191.9	258.6	127.6	602.4	351.3
FJ671223.1	516459	8236.8	6829.5	6212.6	5996.4	1278.7	2329.0
GQ263645.1	578531	9538.2	10035.4	7360.6	5787.2	4362.9	4852.0
GQ263073.1	538027	5385.0	6088.7	7235.1	2308.2	3091.2	4412.0
AJ420142.1	20892	33.2	32.5	27.7	65.6	72.7	33.5
CP001824.1	528078	925.4	1270.2	405.2	776.5	271.9	302.5
FJ901603.1	534687	76.3	58.3	169.8	50.3	55.1	29.1
GQ263261.1	583206	3903.8	4710.6	2621.7	3292.3	2677.0	2280.3
FJ481356.1	592776	5982.8	6818.5	5268.5	5625.8	8333.5	6968.0
FJ481270.1	582300	2605.9	2756.2	6727.8	3146.9	592.8	929.6
EF076076.1	255100	3528.5	4932.4	7403.2	2443.9	4118.1	3365.0
GU118592.1	554992	5009.6	6713.7	11328.3	4259.0	4955.7	4971.7
EU035922.2	353248	8959.0	9272.7	10642.3	6665.4	4875.4	6958.6

k__Bacteria	k__Bacteria	p__Chloroflexi	c__unclassified
k__Bacteria	k__Bacteria	p__Chloroflexi	c__unclassified
k__Bacteria	k__Bacteria	p__Chloroflexi	c__unclassified
k__Bacteria	k__Bacteria	p__Chloroflexi	c__unclassified
k__Bacteria	k__Bacteria	p__Chloroflexi	c__unclassified
k__Bacteria	k__Bacteria	p__Chrysiogenetes	c__Chrysiogenetes
k__Bacteria	k__Bacteria	p__Chrysiogenetes	c__Chrysiogenetes
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2

o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Chrysiogenales	f__Chrysiogenaceae
o__Chrysiogenales	f__Chrysiogenaceae
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__mle1-12	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__SM1D11	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified

g__sfA
g__sfA
g__sfB
g__sfC
g__sfD
g__Desulfurispirillum
g__unclassified
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfC
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA

s__unclassified	52501
s__unclassified	52517
s__unclassified	56168
s__unclassified	54925
s__unclassified	52260
s__unclassified	53786
s__unclassified	53362
s__unclassified	51923
s__unclassified	52086
s__unclassified	52113
s__unclassified	52323
s__unclassified	52345
s__unclassified	52394
s__unclassified	52414
s__unclassified	52796
s__unclassified	52886
s__unclassified	51991
s__unclassified	52019
s__unclassified	52307
s__unclassified	52549
s__unclassified	52559
s__unclassified	52684
s__unclassified	52847
s__unclassified	51942
s__unclassified	52512
s__unclassified	52422
s__unclassified	51900
s__unclassified	52366
s__unclassified	51883
s__unclassified	51958
s__unclassified	52028
s__unclassified	52040
s__unclassified	52075
s__unclassified	52137
s__unclassified	52166
s__unclassified	52208
s__unclassified	52209
s__unclassified	52268
s__unclassified	52330
s__unclassified	52362
s__unclassified	52402

EF018295.1 gg_id:215100 aspen rhizosphere clone Amb_16S_656
FJ595536.1 gg_id:565783 rock Black Canyon New Mexico: and Geochemistry rocks no varnish clone NV50_2f6
EF590043.2 gg_id:229483 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni
GQ214089.1 gg_id:537694 China loess clone P418
EF516466.1 gg_id:217784 grassland soil clone FCPS455
DQ666683.2 gg_id:211216 Desulfurispirillum alkaliphilum str. SR 1
NR_029283.1 gg_id:554620 Chrysiogenes arsenatis str. BAL-1; DSM 11915
AY093470.1 gg_id:63113 deep marine sediment clone MB-B2-105
GU183588.1 gg_id:584612 Structures Reduced and Oxidized Aquifer lower Aqueous Arsenic Titas Bangladesh a
GQ389121.1 gg_id:542202 quality deterioration drinking system during serious red water outbreak clone S74
CU927882.1 gg_id:549004 Towards definition core microorganisms involved digestion mesophilic anaerobic dig
FJ375448.1 gg_id:591966 T-RFLP powerful tool rapid assessment cells microbial fuel cell sheet carbon cloth ano
DQ376563.1 gg_id:151126 Microbial ecology removing phosphate wastewater EBPR process aerobic sequencin
AY328748.1 gg_id:88230 drinking water system simulator clone DSSD50
EF516003.1 gg_id:227019 grassland soil clone FCPN395
AY945890.1 gg_id:147415 Thauera and Azoarcus functionally important genera denitrifying quinoline-removal
AF445677.1 gg_id:74727 cyanobacterium clone SM1D11
AY222299.1 gg_id:83349 silica sinter depositing geothermal power station discharge drain clone ST01-SN2C
AM991180.1 gg_id:278744 Microbial groundwater and their potential use biomonitoring karst spring water clo
EF540417.1 gg_id:225363 oil-shale semi-coke solid waste clone MK42
EF018525.1 gg_id:208107 aspen rhizosphere clone Amb_16S_785
EU881250.1 gg_id:328994 (long-term grazing and burned annual) Karst region serious disturbance field soil clor
EU134279.1 gg_id:236597 tallgrass prarie soil clone FFCH18662
EU134280.1 gg_id:237637 tallgrass prarie soil clone FFCH2285
EU937941.1 gg_id:343561 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi
EU134269.1 gg_id:249228 tallgrass prarie soil clone FFCH6070
AB240326.1 gg_id:143658 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon
AF289160.1 gg_id:30917 freshwater clone PRD01a012B
GU303847.1 gg_id:564895 inhabiting epithelial tissue ruminal digesta -DGGE and sequencing rumen contents c
EU871391.1 gg_id:342685 Genetic Bovine (Bos taurus) Rumen Thailand clone CF244
EF445288.1 gg_id:206256 dairy cow rumen clone NED4H4
GQ448661.1 gg_id:589410 Microbiome neonatal calves: shedding microorganisms fecal clone calf784_10wks_g
EU474510.1 gg_id:301639 bighorn sheep feces clone BHSD_aaa02b04
FJ682976.1 gg_id:515041 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
GU304200.1 gg_id:588446 inhabiting epithelial tissue ruminal digesta -DGGE and sequencing rumen epithelium
GU304110.1 gg_id:555951 inhabiting epithelial tissue ruminal digesta -DGGE and sequencing rumen epithelium
FJ680800.1 gg_id:523621 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
AY992501.1 gg_id:135530 mouse cecum clone C23_g15
EU622719.1 gg_id:277694 -feed administered sub-therapeutic chlorotetracycline alters structure and but not a
EU459550.1 gg_id:301924 capybara feces clone CAP_aah99f10
FJ682880.1 gg_id:525341 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee

EF018295.1	215100	4158.2	6062.8	1347.9	4068.9	1465.8	1438.0
FJ595536.1	565783	12933.1	12812.2	5724.7	7950.0	3491.7	6561.8
EF590043.2	229483	9678.0	11427.6	8817.8	7503.3	8100.4	7926.1
GQ214089.1	537694	1585.9	2116.7	5102.8	1529.5	1510.5	1774.5
EF516466.1	217784	260.2	544.6	502.0	350.2	168.3	263.6
DQ666683.2	211216	2468.5	4145.2	5402.4	2544.0	2835.9	3535.6
NR_029283.1	554620	1505.6	1172.7	1529.5	499.9	342.6	356.3
AY093470.1	63113	4126.9	4021.7	2804.9	1090.3	3372.6	3713.6
GU183588.1	584612	7249.0	9181.1	6632.3	5779.0	6140.4	7519.8
GQ389121.1	542202	5668.9	7941.2	3041.1	2277.1	5108.6	4552.2
CU927882.1	549004	8764.5	10772.7	8217.5	5199.0	5986.4	7715.8
FJ375448.1	591966	105.8	149.8	567.4	213.0	926.7	3604.8
DQ376563.1	151126	1741.4	2865.4	4993.6	1429.0	608.2	1567.7
AY328748.1	88230	1445.7	2879.1	1347.9	1113.6	363.1	1293.4
EF516003.1	227019	59.5	55.6	106.0	83.0	125.0	226.8
AY945890.1	147415	34.8	54.7	113.5	78.9	94.0	194.3
AF445677.1	74727	450.6	847.3	469.4	225.5	144.7	149.7
AY222299.1	83349	13381.6	14714.9	9060.9	13046.0	14330.8	11293.9
AM991180.1	278744	2702.7	2804.0	3383.2	2203.4	1628.0	2135.5
EF540417.1	225363	2190.2	2721.6	4288.5	2923.5	2237.9	3022.3
EF018525.1	208107	1772.6	1391.4	2511.0	1315.0	1755.9	1885.8
EU881250.1	328994	4783.3	3459.2	7637.8	3431.4	2124.6	2421.7
EU134279.1	236597	2634.9	2563.0	5739.2	2239.9	3929.4	2864.4
EU134280.1	237637	8513.9	9574.3	7150.2	9829.6	9574.8	7576.6
EU937941.1	343561	2966.3	5079.6	4494.0	3728.9	7843.9	6353.5
EU134269.1	249228	13026.1	14266.5	12872.7	9237.4	10340.5	9895.0
AB240326.1	143658	13310.2	21395.1	10803.1	9773.4	22374.2	18833.9
AF289160.1	30917	11230.7	15050.2	6506.3	7819.8	13874.1	12892.4
GU303847.1	564895	3159.8	3053.1	4041.8	3973.3	1521.9	3335.5
EU871391.1	342685	3392.5	2615.5	4383.1	3331.3	908.9	1231.1
EF445288.1	206256	1366.5	1855.7	1550.0	1338.1	195.7	386.7
GQ448661.1	589410	12937.5	13096.9	7228.2	10202.5	8135.2	7836.9
EU474510.1	301639	14327.3	15101.3	13462.3	11264.1	9928.2	10751.8
FJ682976.1	515041	7295.8	8446.9	5629.0	6012.0	1954.9	3476.8
GU304200.1	588446	4993.5	5104.4	6916.8	5820.1	5581.6	4484.1
GU304110.1	555951	213.5	175.8	332.4	180.8	136.1	277.3
FJ680800.1	523621	13606.6	13806.0	6701.7	9249.6	8039.1	8286.3
AY992501.1	135530	686.5	1116.0	1379.0	1096.5	226.2	297.5
EU622719.1	277694	3020.4	3527.5	4981.0	3544.1	5396.4	4389.4
EU459550.1	301924	7427.6	8922.0	8058.6	4713.8	1905.1	5103.4
FJ682880.1	525341	7059.6	7658.1	3168.9	5017.4	3367.4	4769.2

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__4C0d-2
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__YS2	f__unclassified
o__CAB-I	f__unclassified
o__Cercozoa	f__Chlorarachniophyceae
o__Chlorophyta	f__Chlamydomonadaceae
o__Chlorophyta	f__Chlamydomonadaceae
o__Chlorophyta	f__Chlamydomonadaceae
o__Chlorophyta	f__Chlamydomonadaceae
o__Chlorophyta	f__Mamiellaceae
o__Chlorophyta	f__Mamiellaceae
o__Chlorophyta	f__Mamiellaceae
o__Chlorophyta	f__Mamiellaceae
o__Chlorophyta	f__Trebouxiophyceae
o__Chlorophyta	f__Trebouxiophyceae
o__Chlorophyta	f__Trebouxiophyceae
o__Chlorophyta	f__Trebouxiophyceae
o__Chlorophyta	f__Trebouxiophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae

g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	52443
s__unclassified	52490
s__unclassified	52496
s__unclassified	52525
s__unclassified	52561
s__unclassified	52712
s__unclassified	52760
s__unclassified	52811
s__unclassified	52860
s__unclassified	75435
s__unclassified	75468
s__unclassified	74613
s__unclassified	75073
s__unclassified	75627
s__unclassified	75853
s__unclassified	75389
s__unclassified	75418
s__unclassified	75801
s__unclassified	75869
s__unclassified	74759
s__unclassified	75222
s__unclassified	75254
s__unclassified	75311
s__unclassified	75810
s__unclassified	74622
s__unclassified	74634
s__unclassified	74659
s__unclassified	74785
s__unclassified	74818
s__unclassified	74898
s__unclassified	74990
s__unclassified	75019
s__unclassified	75121
s__unclassified	75122
s__unclassified	75161
s__unclassified	75226
s__unclassified	75275
s__unclassified	75325
s__unclassified	75359
s__unclassified	75372
s__unclassified	75385

DQ394643.1 gg_id:151120 -Arctic peninsula Svalbard Norway determined genes and rumen isolates reindeer o
GU208308.1 gg_id:578358 Study on Sediment Dongping Lake sediment clone Ftt1-21
EU459480.1 gg_id:301614 capybara feces clone CAP_aah98b01
FJ683022.1 gg_id:525809 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
AB270013.1 gg_id:170218 Influence temperature and humidity on heifers rumen contents Holstein heifer (Bos
FJ684721.1 gg_id:515243 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU871372.1 gg_id:310781 Genetic Bovine (Bos taurus) Rumen Thailand clone CF191
FJ683369.1 gg_id:526124 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU777280.1 gg_id:309344 Okapi feces clone OK2_d08_1
GU119744.1 gg_id:569143 Threatened Corals Provide Microbial Habitats chloroplast clone Gven_I13
DQ851108.1 gg_id:168769 Bigelowiella natans
FJ382004.1 gg_id:546960 Potentially pathogenic and air stem cell transplant winter hospital shower water BMT
GU084820.1 gg_id:583906 Volvox carteri f. nagariensis str. UTEX 2908
FJ423446.1 gg_id:369386 Chlamydomonas reinhardtii str. CC-503 cw92 mt+
BK000554.2 gg_id:79762 Chlamydomonas reinhardtii
EU258745.1 gg_id:256833 summer sea Dalian and Liaodong determined bay clone D0924
EU394542.1 gg_id:547628 Coccolithophore bloom dynamics shape (NE-Atl) northern Bay Biscay pelagic free-livi
GU119877.1 gg_id:591283 Threatened Corals Provide Microbial Habitats reef water clone Reef_J10
GU061486.1 gg_id:539327 and function microbial mesoscale eddy perturbations South China Sea clone CE1-DC
D11347.1 gg_id:70155 Chlorella vulgaris str. 211-1e
EF516670.1 gg_id:225891 grassland soil clone FCPS712
FJ968739.1 gg_id:545380 Oocystis solitaria
GQ495399.1 gg_id:587227 terrestrial volcanic rocks Iceland Hnausahraun lava f clone Bas-7-41
DQ059300.1 gg_id:130918 Prochlorales cyanobacterium str. EV-7
FJ203496.1 gg_id:331291 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
GU119832.1 gg_id:591712 Threatened Corals Provide Microbial Habitats chloroplast clone Past_I24
FJ203477.1 gg_id:339585 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203311.1 gg_id:310472 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
FJ203366.1 gg_id:309870 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203504.1 gg_id:333836 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203472.1 gg_id:329853 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203458.1 gg_id:303580 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
U08345.1 gg_id:26799 Codium fragile
FJ535833.1 gg_id:566475 Avrainvillea lacerata
FJ535846.1 gg_id:538813 Rhipocephalus phoenix
GU119661.1 gg_id:534254 Threatened Corals Provide Microbial Habitats chloroplast clone Dstr_C23
FJ203191.1 gg_id:354177 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
GU119692.1 gg_id:560647 Threatened Corals Provide Microbial Habitats chloroplast clone Dstr_D14
FJ535834.1 gg_id:544846 Avrainvillea nigricans
GU119669.1 gg_id:586094 Threatened Corals Provide Microbial Habitats chloroplast clone Dstr_G10
FJ203461.1 gg_id:330936 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h

DQ394643.1	151120	188.9	223.5	605.9	289.1	228.1	137.2
GU208308.1	578358	2925.1	2275.5	4342.7	4132.0	332.3	902.6
EU459480.1	301614	3083.5	5104.4	3185.1	2204.7	2482.1	4344.1
FJ683022.1	525809	2309.1	2475.7	1275.0	2355.5	1144.9	2036.8
AB270013.1	170218	726.1	594.2	1013.5	307.1	134.8	405.9
FJ684721.1	515243	2509.2	4638.7	3614.7	1633.8	1633.4	926.9
EU871372.1	310781	3522.5	3610.4	2383.3	1417.0	446.5	822.5
FJ683369.1	526124	808.1	1648.6	3973.8	2011.7	3733.8	2046.2
EU777280.1	309344	485.6	540.7	1534.8	346.6	1632.4	1363.5
GU119744.1	569143	9259.2	5605.9	2107.0	1898.9	829.2	525.8
DQ851108.1	168769	4092.4	5005.9	424.7	754.1	879.6	1120.5
FJ382004.1	546960	57.4	567.7	59.7	108.4	78.2	42.8
GU084820.1	583906	783.4	2581.3	1298.0	1334.4	1730.3	1269.3
FJ423446.1	369386	2533.6	3742.8	5696.6	3197.1	2182.2	2607.6
BK000554.2	79762	3780.1	3912.4	1043.6	2134.5	1792.4	2418.4
EU258745.1	256833	6734.1	10541.9	2150.8	3321.7	2326.9	1555.5
EU394542.1	547628	48.0	81.7	104.5	82.7	87.1	55.0
GU119877.1	591283	74.3	223.5	49.2	65.2	75.5	25.5
GU061486.1	539327	8996.6	11767.8	5609.8	5463.4	3331.3	6250.8
D11347.1	70155	14085.2	18440.4	5884.9	9531.7	9334.4	9353.8
EF516670.1	225891	2057.4	4926.3	619.0	1017.6	651.4	371.5
FJ968739.1	545380	10819.6	14121.0	7144.0	5592.7	3826.1	4734.4
GQ495399.1	587227	54.9	157.2	41.3	78.2	84.9	48.8
DQ059300.1	130918	1328.9	2369.2	892.8	1424.4	2945.6	2890.5
FJ203496.1	331291	14973.1	18273.8	9648.9	12450.8	13344.8	10899.4
GU119832.1	591712	9214.7	11123.2	5789.1	7127.4	3255.8	3179.4
FJ203477.1	339585	20870.9	22552.8	10820.4	10977.7	4067.3	4588.8
FJ203311.1	310472	16300.9	18140.2	8640.4	11766.5	7410.4	8173.1
FJ203366.1	309870	10700.2	9297.2	4272.9	8284.4	9005.6	8136.3
FJ203504.1	333836	12634.4	16243.7	9713.1	8922.3	9010.8	8671.5
FJ203472.1	329853	13647.7	15262.9	7898.7	10951.8	2633.5	2806.3
FJ203458.1	303580	9685.8	15222.6	6989.2	7582.2	12819.3	12647.5
U08345.1	26799	11130.1	10932.2	4366.3	7663.0	4548.2	5693.1
FJ535833.1	566475	15946.5	17620.1	9971.6	10444.1	13670.7	14351.1
FJ535846.1	538813	9915.3	11656.5	5223.4	8098.4	6823.9	7777.9
GU119661.1	534254	4425.0	7804.5	4331.7	2410.2	833.4	415.2
FJ203191.1	354177	16085.0	18884.1	7094.5	11806.8	13128.1	8301.8
GU119692.1	560647	10610.0	10856.2	3353.2	6096.9	6943.6	8875.0
FJ535834.1	544846	16011.1	16653.6	9250.1	8333.7	9201.3	8613.3
GU119669.1	586094	13752.0	15046.7	7726.9	11252.7	5613.6	6525.7
FJ203461.1	330936	15188.7	16991.8	7741.3	10536.4	7021.5	6028.1

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__Ulvophyceae
o__Chlorophyta	f__unclassified
o__Chlorophyta	f__unclassified
o__Chlorophyta	f__unclassified
o__Chlorophyta	f__unclassified
o__Chlorophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Cryptophyta	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfAA
g__sfAB
g__sfAC
g__sfAD
g__sfAE
g__sfAF

s__unclassified	75387
s__unclassified	75494
s__unclassified	75577
s__unclassified	75632
s__unclassified	75638
s__unclassified	75701
s__unclassified	75707
s__unclassified	75728
s__unclassified	75846
s__unclassified	75903
s__unclassified	74977
s__unclassified	75404
s__unclassified	75584
s__unclassified	75822
s__unclassified	75244
s__unclassified	74675
s__unclassified	74738
s__unclassified	75152
s__unclassified	75184
s__unclassified	75270
s__unclassified	75360
s__unclassified	75513
s__unclassified	75702
s__unclassified	75806
s__unclassified	75832
s__unclassified	75897
s__unclassified	75913
s__unclassified	75415
s__unclassified	74792
s__unclassified	74820
s__unclassified	74911
s__unclassified	74996
s__unclassified	75099
s__unclassified	75318
s__unclassified	75791
s__unclassified	75112
s__unclassified	74976
s__unclassified	74630
s__unclassified	75199
s__unclassified	75589
s__unclassified	74868

GU119825.1 gg_id:537244 Threatened Corals Provide Microbial Habitats chloroplast clone Past_K06
FJ203228.1 gg_id:339919 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
FJ535840.1 gg_id:539917 Ostreobium sp. str. John West strain 2924
FJ203380.1 gg_id:352490 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203174.1 gg_id:336968 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
AY221722.1 gg_id:111470 Bryopsis hypnoides str. SAG 7.86
FJ203465.1 gg_id:330199 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203376.1 gg_id:330464 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
GU119820.1 gg_id:585617 Threatened Corals Provide Microbial Habitats chloroplast clone Mfra_J19
FJ203180.1 gg_id:322183 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
DQ269056.1 gg_id:175064 marine macro-alga surface clone UA01
FJ203603.1 gg_id:311154 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FJ203336.1 gg_id:335824 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c
FJ203600.1 gg_id:305139 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
FN563093.1 gg_id:509525 Crustomastix stigmatica str. CCMP 2493
EF520512.1 gg_id:233592 structure lakes: what controls ? acid-impacted lake clone ADK-WYh02-15
AY948038.1 gg_id:142412 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl
AF534437.1 gg_id:85239 Toolik Lake main station at 3 m depth clone TLM13/TLMdgge20
U70724.1 gg_id:25107 environmental sample Cape Hatteras picoplankton clone OM283
AY947987.1 gg_id:144486 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl
AY947975.1 gg_id:142536 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c
AF530388.2 gg_id:155728 Dinophysis norvegica str. norvCC04
AY948025.1 gg_id:141924 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl
X55015.1 gg_id:3470 Pyrenomonas salina Pla.
NC_000926.1 gg_id:51823 Guillardia theta
AB294341.1 gg_id:209603 Microbial structure deep coal seem groundwater stream clone SWB30
AY948019.1 gg_id:142940 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl
GQ358203.1 gg_id:588592 Cryptomonas paramecium str. CCAP977/2a
FJ719664.1 gg_id:525501 Euglena tristella str. Yeonhwaji091407B
AY626053.1 gg_id:131617 Monomorphina pyrum str. ACOI 2778
AF289248.1 gg_id:101247 Euglena viridis str. SAG 1224-17d
AY626043.1 gg_id:129536 Euglena deses str. SAG 1224-19b
EU750700.1 gg_id:443968 Monomorphina pseudopyrum str. CCAC 0093
EU750698.1 gg_id:378739 Euglena caudata str. ASW 08048
FJ719655.1 gg_id:530167 Euglena communis str. SAG1224-40
EU750701.1 gg_id:373273 Phacus applanatus str. ASW 08023
AY626050.1 gg_id:138007 Euglena proxima str. SAG 1224-11b
EU370511.1 gg_id:556321 Euglena granulata str. UTEX 2345
AY626056.1 gg_id:133071 Euglena limnophila str. ACOI 2674
AY626054.1 gg_id:134364 Monomorphina striata str. CCAP 1261/9
FJ719689.1 gg_id:527725 Phacus pleuronectes str. NJ P1

GU119825.1	537244	13658.5	15347.6	7755.8	8988.6	4760.7	4529.1
FJ203228.1	339919	14402.3	17988.9	9394.8	10260.4	11672.4	11137.0
FJ535840.1	539917	15511.0	18806.5	7907.5	9295.5	9445.2	7552.3
FJ203380.1	352490	11639.5	16235.1	8986.0	5014.2	3346.1	4295.6
FJ203174.1	336968	12737.2	13802.2	5828.2	10169.6	8940.7	6936.1
AY221722.1	111470	6542.5	10474.0	4519.6	4218.3	2508.6	1896.0
FJ203465.1	330199	11523.5	14912.5	9035.3	9404.7	10142.4	9512.6
FJ203376.1	330464	5469.7	7561.7	7490.4	5662.8	7066.1	6151.6
GU119820.1	585617	10858.1	15215.4	6093.4	7872.4	11727.9	9129.1
FJ203180.1	322183	5743.4	6744.8	2134.0	1206.1	1156.5	863.0
DQ269056.1	175064	10409.4	13712.4	10082.5	7539.5	3260.4	3093.6
FJ203603.1	311154	6406.3	9684.7	8027.5	3845.9	984.7	1251.4
FJ203336.1	335824	7401.0	9256.8	8414.3	7481.9	6767.5	4879.0
FJ203600.1	305139	20226.6	22554.5	12388.2	13435.1	13945.6	13180.5
FN563093.1	509525	11045.9	13524.1	6689.9	8048.6	9540.8	8269.7
EF520512.1	233592	9700.3	10667.1	3085.5	8711.0	3161.1	3325.6
AY948038.1	142412	9009.9	11076.4	12819.0	9568.5	1642.6	3188.3
AF534437.1	85239	2857.9	2440.1	2204.2	2279.1	105.2	186.1
U70724.1	25107	6907.8	9552.9	3861.2	6282.4	5776.0	6546.1
AY947987.1	144486	3219.8	4944.5	3203.8	5331.7	1502.5	2140.2
AY947975.1	142536	10657.4	11901.6	8658.4	11372.7	8915.3	6488.4
AF530388.2	155728	4487.3	5523.6	1745.9	4544.0	250.8	330.9
AY948025.1	141924	190.9	279.5	224.9	423.8	40.5	18.7
X55015.1	3470	9637.8	9496.7	3375.9	3798.7	3418.1	3790.7
NC_000926.1	51823	359.3	1146.0	924.4	979.1	52.9	27.6
AB294341.1	209603	3646.9	3488.7	5675.3	4732.1	1942.7	1014.6
AY948019.1	142940	6752.0	8265.8	3730.7	7162.9	1641.2	2362.1
GQ358203.1	588592	9838.0	9864.8	9574.4	11287.1	8532.5	8678.8
FJ719664.1	525501	6579.0	11500.8	4486.3	4933.7	2210.3	3886.8
AY626053.1	131617	4061.4	7334.2	3842.7	2374.6	1042.0	2093.6
AF289248.1	101247	108.3	367.0	899.0	309.1	117.8	101.1
AY626043.1	129536	3079.0	2355.7	1902.8	1588.0	3434.9	1696.5
EU750700.1	443968	12199.0	15845.6	14531.3	12684.9	10642.6	13004.4
EU750698.1	378739	13071.8	15332.8	10236.4	7835.5	5791.2	2896.7
FJ719655.1	530167	1096.4	3254.6	1817.3	701.1	1880.8	1890.9
EU750701.1	373273	9979.5	13106.0	7298.7	9753.4	8185.4	7635.1
AY626050.1	138007	3829.4	3628.0	3799.0	2469.4	3078.1	3769.3
EU370511.1	556321	38.2	807.2	880.7	310.7	1143.1	736.2
AY626056.1	133071	88.6	188.5	94.3	154.6	83.8	44.8
AY626054.1	134364	2346.9	3127.4	715.0	1703.0	3552.1	2271.6
FJ719689.1	527725	10075.2	12121.2	9947.8	11801.2	8736.6	7951.5

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Euglenozoa	f__unclassified
o__Glaucocystophyceae	f__unclassified
o__Glaucocystophyceae	f__unclassified

g__sfAG
g__sfAH
g__sfAI
g__sfAJ
g__sfAK
g__sfAL
g__sfAM
g__sfAN
g__sfAO
g__sfAP
g__sfB
g__sfB
g__sfC
g__sfC
g__sfD
g__sfD
g__sfE
g__sfE
g__sfF
g__sfG
g__sfH
g__sfI
g__sfJ
g__sfK
g__sfL
g__sfM
g__sfN
g__sfO
g__sfP
g__sfQ
g__sfR
g__sfS
g__sfT
g__sfU
g__sfV
g__sfW
g__sfX
g__sfY
g__sfZ
g__sfA
g__sfA

s__unclassified	75149
s__unclassified	74727
s__unclassified	75775
s__unclassified	74746
s__unclassified	75625
s__unclassified	75505
s__unclassified	74772
s__unclassified	75422
s__unclassified	74949
s__unclassified	75227
s__unclassified	74696
s__unclassified	74887
s__unclassified	74926
s__unclassified	75596
s__unclassified	75082
s__unclassified	75232
s__unclassified	75704
s__unclassified	75914
s__unclassified	75405
s__unclassified	75461
s__unclassified	74815
s__unclassified	75001
s__unclassified	75661
s__unclassified	74993
s__unclassified	75303
s__unclassified	75841
s__unclassified	74824
s__unclassified	75793
s__unclassified	75558
s__unclassified	74888
s__unclassified	75677
s__unclassified	75217
s__unclassified	75424
s__unclassified	75264
s__unclassified	75749
s__unclassified	75574
s__unclassified	74921
s__unclassified	75065
s__unclassified	75760
s__unclassified	75103
s__unclassified	75719

EU750710.1 gg_id:412359 Euglena sociabilis str. ACOI 920
EU221517.1 gg_id:306494 Trachelomonas rugulosa str. NJ TS2
FJ719662.1 gg_id:522542 Euglena splendens str. Cp110601
AY158150.1 gg_id:102748 Euglena agilis str. UW Nowy_Targ k-1
AY158151.1 gg_id:102889 Euglena agilis str. UW Wawocko k-1
AF289254.1 gg_id:26708 Trachelomonas volvocina str. AICB 524
FJ719684.1 gg_id:521728 Phacus inflexus str. ACOI1336
FJ719695.1 gg_id:517906 Phacus trimarginatus str. Gungnamji052507B
AY626057.1 gg_id:134448 Phacus orbicularis str. AICB 502
X12890.1 gg_id:3458 Euglena gracilis str. Pringsheim Z
NC_002652.1 gg_id:128551 Euglena longa str. CCAP 1204/17a
NC_002652.1 gg_id:52998 Euglena longa str. CCAP 1204/17a
EU221501.1 gg_id:328856 Phacus acuminatus str. SAG1261-7
FJ719682.1 gg_id:527237 Phacus brachykentron str. Jilnal033107G
FJ719659.1 gg_id:526650 Euglena sp. str. Bibong100404-2
FJ719661.1 gg_id:520311 Euglena sp. str. MI67
EU221504.1 gg_id:340965 Phacus segretii str. ACOI 1337
EU221502.1 gg_id:354548 Phacus hamelii str. ACOI 1088
FJ719651.1 gg_id:532403 Discoplastis sp. str. Gungnamji052507K
FJ719707.1 gg_id:519272 Trachelomonas pertyi str. SAG1283-13
EU221514.1 gg_id:312286 Trachelomonas lefevrei str. SAG1283-10
EU221507.1 gg_id:337382 Trachelomonas abrupta str. NJ T801
FJ719647.1 gg_id:524613 Colacium sp. str. NJ
EU750706.1 gg_id:407237 Euglena adhaerens str. ASW 08138
EU370503.1 gg_id:545259 Euglena geniculata str. MI62
FJ719674.1 gg_id:524130 Lepocinclis fusca str. MI100
AY626046.1 gg_id:137790 Euglena viridis str. ACOI 2951
EU221510.1 gg_id:340082 Trachelomonas echinata str. SAG1283-22
EU221513.1 gg_id:355652 Trachelomonas hispida str. UTEX 539
EU221520.1 gg_id:324257 Trachelomonas volvocinopsis str. SAG1283-16
EU221497.1 gg_id:344325 Lepocinclis tripteris str. SAG1224-16
EU221509.1 gg_id:314485 Trachelomonas bernardinensis str. ACOI 1103
EU221521.1 gg_id:321537 Trachelomonas zorensis str. UTEX 1331
AY626060.1 gg_id:128298 Euglena spathirhyncha str. SAG 1224-42
EU221505.1 gg_id:338024 Phacus triqueter str. SAG1261-8
AY626044.1 gg_id:131844 Euglena mutabilis str. SAG 1224-9b
AY221726.1 gg_id:111684 Lepocinclis ovum str. SAG 1244-8
EU750704.1 gg_id:429842 Discoplastis adunca str. ASW 08095
EU221511.1 gg_id:332418 Trachelomonas ellipsoidalis str. NJ T1
NC_001675.1 gg_id:128892 Cyanophora paradoxa str. Pringsheim LB555
AM084275.1 gg_id:142111 Cyanoptyche gloeocystis str. SAG 34.90

EU750710.1	412359	13191.8	14451.9	10927.8	8800.8	7574.0	6318.7
EU221517.1	306494	13060.6	14153.4	7745.6	10967.6	11531.8	8983.5
FJ719662.1	522542	12046.8	13035.1	8186.9	8837.4	5235.4	5401.7
AY158150.1	102748	76.1	223.2	593.6	192.8	101.8	87.4
AY158151.1	102889	3815.5	6740.6	2187.4	1033.1	229.4	942.8
AF289254.1	26708	5234.5	7067.4	2737.4	2507.9	3273.6	3994.9
FJ719684.1	521728	4374.1	4702.4	1972.0	3339.7	2820.2	3027.9
FJ719695.1	517906	5240.5	9907.7	8242.2	5993.1	4102.1	6872.1
AY626057.1	134448	5874.4	7242.6	2100.6	2153.6	4850.5	2260.5
X12890.1	3458	1170.6	2678.1	186.5	1145.7	2499.4	1378.5
NC_002652.1	128551	3301.7	4913.4	1768.2	1801.5	1101.4	1198.3
NC_002652.1	52998	11033.2	13481.1	12018.2	9880.8	11703.1	11344.5
EU221501.1	328856	9438.0	11273.4	5100.4	5716.8	1519.6	2768.7
FJ719682.1	527237	12533.7	13146.8	5129.8	10793.0	5219.9	6879.3
FJ719659.1	526650	14207.5	15016.4	5047.9	10626.5	8769.9	8909.7
FJ719661.1	520311	21108.0	21204.6	6908.9	14750.6	13784.3	15111.0
EU221504.1	340965	6685.2	8735.6	8136.0	8515.7	6659.7	6792.8
EU221502.1	354548	6722.9	13060.8	8489.7	7284.5	6327.6	8062.2
FJ719651.1	532403	8230.3	9780.9	4289.1	5033.7	733.9	650.0
FJ719707.1	519272	5429.7	10071.8	5624.5	4107.5	7160.8	6011.2
EU221514.1	312286	15122.8	18206.0	10940.1	12888.7	12606.2	9469.2
EU221507.1	337382	7958.4	7577.3	3522.8	7089.5	3065.6	2074.8
FJ719647.1	524613	13408.0	13651.6	11772.2	12529.7	6401.9	6697.6
EU750706.1	407237	8833.3	10620.4	8950.3	7951.1	7364.2	8541.4
EU370503.1	545259	262.2	1696.2	1610.0	539.6	510.8	436.5
FJ719674.1	524130	3644.9	4324.5	3443.5	5179.0	3625.8	2496.7
AY626046.1	137790	7898.5	11844.4	4077.8	4826.8	9571.1	7858.8
EU221510.1	340082	8505.2	9539.6	8721.3	11113.2	10355.0	8842.6
EU221513.1	355652	12051.1	17276.9	8962.0	8936.2	10124.4	9844.5
EU221520.1	324257	6773.0	10500.1	6448.4	6019.1	7246.5	6393.1
EU221497.1	344325	321.6	1612.1	1559.7	321.0	84.1	53.5
EU221509.1	314485	21919.9	23525.2	13028.4	18429.1	21233.5	15902.8
EU221521.1	321537	3608.7	7018.3	4126.3	6327.8	5750.6	6862.3
AY626060.1	128298	896.1	1663.5	200.2	295.0	81.8	220.5
EU221505.1	338024	17764.1	20112.9	9602.0	14648.8	13167.2	12705.9
AY626044.1	131844	210.9	372.0	441.0	451.2	409.2	408.4
AY221726.1	111684	1125.8	3883.7	1315.5	1003.2	90.5	333.1
EU750704.1	429842	7587.5	7706.2	2301.2	2504.7	695.7	1306.2
EU221511.1	332418	16020.5	17430.5	17696.0	15581.3	14656.1	15326.0
NC_001675.1	128892	31.4	73.6	21.6	55.1	66.0	41.0
AM084275.1	142111	713.1	2640.1	152.1	214.6	43.9	56.6

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Haptophyceae	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified

g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfB
g__sfC

s__unclassified	74636
s__unclassified	74637
s__unclassified	74661
s__unclassified	74786
s__unclassified	74863
s__unclassified	74867
s__unclassified	74934
s__unclassified	75036
s__unclassified	75038
s__unclassified	75277
s__unclassified	75344
s__unclassified	75423
s__unclassified	75551
s__unclassified	75636
s__unclassified	75758
s__unclassified	75849
s__unclassified	75850
s__unclassified	75902
s__unclassified	74628
s__unclassified	74817
s__unclassified	74861
s__unclassified	74877
s__unclassified	74918
s__unclassified	74938
s__unclassified	74989
s__unclassified	75030
s__unclassified	75079
s__unclassified	75101
s__unclassified	75143
s__unclassified	75284
s__unclassified	75384
s__unclassified	75496
s__unclassified	75576
s__unclassified	75593
s__unclassified	75678
s__unclassified	75717
s__unclassified	75838
s__unclassified	74837
s__unclassified	75169
s__unclassified	75194
s__unclassified	74960

FJ425602.1 gg_id:360036 communnities healthy and diseased colonies Caribbean coral Montastrea faveolata c
GQ348805.1 gg_id:535038 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich
EF574942.1 gg_id:233349 site S25 near Coco's Island marine clone S25_1286
FJ612356.1 gg_id:513373 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.2.41
DQ513030.1 gg_id:160706 Microbial life fluids ridge flank crustal fluid clone FS142-30B-02
EF520514.1 gg_id:234436 structure lakes: what controls ? acid-impacted lake clone ADK-WYh02-13
EU237282.1 gg_id:247611 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as
AY702175.1 gg_id:138411 biased towards marine algal plastids photosynthetic picoeukaryote open ocean site
GU119867.1 gg_id:540713 Threatened Corals Provide Microbial Habitats reef water clone Reef_L05
EF575114.1 gg_id:229699 site S25 near Coco's Island marine clone S25_1458
GU119886.1 gg_id:569927 Threatened Corals Provide Microbial Habitats reef water clone Reef_H17
EF573807.1 gg_id:231663 site S25 near Coco's Island marine clone S25_151
X99077.1 gg_id:72546 Ochrosphaera neapolitana str. CCMP593
EF574682.1 gg_id:233758 site S25 near Coco's Island marine clone S25_1026
EF574443.1 gg_id:233591 site S25 near Coco's Island marine clone S25_787
EU919835.1 gg_id:313742 Kongsfjorden western Spitsbergen Svalbard ocean water clone s29
NC_007288.1 gg_id:138642 Emiliania huxleyi str. CCMP 373
DQ015781.1 gg_id:140203 Antarctic lake water clone ELB19-095
AY706940.1 gg_id:110187 Pterocladia lucida
FJ202832.1 gg_id:303559 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k
DQ026676.1 gg_id:147016 Ptilota serrata
AM259754.1 gg_id:215148 Spatial sponge- Mediterranean sponge Tethya aurantium seawater clone TAU-7-68
DQ026698.1 gg_id:146905 Euptilota molle
DQ026685.1 gg_id:145086 Diapse ptilota
DQ026693.1 gg_id:148247 Sciurothamnion stegengae
DQ026692.1 gg_id:146233 Seirospora interrupta
AY706948.1 gg_id:111094 Gelidium pristoides
AY706939.1 gg_id:110833 Gelidiella acerosa
AY706941.1 gg_id:110867 Pterocladiella capillacea
DQ026688.1 gg_id:146462 Callithamnion collabens
FJ203641.1 gg_id:305702 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h
DQ269091.1 gg_id:187735 marine macro-alga surface clone DPC025
DQ026682.1 gg_id:148404 Crouania elisiae
AY706944.1 gg_id:109889 Gelidium caulacantheum
DQ026687.1 gg_id:147909 Proposal Euptiloteae trib. nov South Africa: Kommetjie Cape Peninsula
FJ202795.1 gg_id:344186 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k
GU119563.1 gg_id:591956 Threatened Corals Provide Microbial Habitats chloroplast clone Apal_J16
U38804.1 gg_id:69121 Porphyra purpurea str. Avonport
NC_007932.1 gg_id:154530 Porphyra yezoensis
U38804.1 gg_id:129267 Porphyra purpurea str. Avonport
AM084277.1 gg_id:144620 Porphyridium aerugineum str. SAG 43.94

FJ425602.1	360036	6567.0	7886.7	3979.0	3313.5	2964.9	3554.2
GQ348805.1	535038	37.6	65.5	23.0	98.3	65.4	20.3
EF574942.1	233349	11272.3	14756.6	4437.3	8316.0	7387.8	7299.4
FJ612356.1	513373	12630.7	12830.2	7390.7	8496.5	5680.3	7262.9
DQ513030.1	160706	9856.3	12587.9	5622.4	7652.1	4402.7	7305.0
EF520514.1	234436	244.3	288.8	140.9	274.1	69.2	34.3
EU237282.1	247611	4827.7	9677.7	5616.8	4211.5	1899.6	3919.0
AY702175.1	138411	1326.1	2445.7	925.9	903.3	225.4	452.5
GU119867.1	540713	10745.4	12798.5	9018.0	8112.5	10709.9	10148.5
EF575114.1	229699	2625.2	5309.8	2478.2	3119.0	1353.0	1912.5
GU119886.1	569927	8017.7	7122.3	6425.5	8127.5	8682.1	6776.5
EF573807.1	231663	9152.2	11775.9	3511.7	6241.9	5374.1	4521.7
X99077.1	72546	1746.0	2271.6	406.0	2578.0	1798.3	1281.3
EF574682.1	233758	13177.4	15968.1	10111.1	9981.2	6360.7	8651.5
EF574443.1	233591	2054.6	2267.9	1129.5	1634.5	261.9	252.9
EU919835.1	313742	11262.7	12841.5	5159.7	9054.2	10049.3	8479.7
NC_007288.1	138642	4794.0	6812.2	2004.1	3494.1	6000.1	3596.9
DQ015781.1	140203	7873.8	9208.1	6821.3	5499.6	10005.8	8432.6
AY706940.1	110187	31.0	70.0	26.0	220.3	65.4	15.1
FJ202832.1	303559	27344.7	29519.7	12216.1	15498.0	21207.6	21383.8
DQ026676.1	147016	623.7	1478.3	136.9	324.5	69.6	52.0
AM259754.1	215148	222.5	492.2	533.9	757.3	119.8	88.1
DQ026698.1	146905	228.0	435.7	606.7	352.6	996.1	1021.7
DQ026685.1	145086	12372.6	9823.0	1457.7	3094.8	1957.2	2255.4
DQ026693.1	148247	3339.4	5296.6	812.9	483.7	210.1	231.0
DQ026692.1	146233	6997.3	9782.7	909.4	613.8	141.4	173.6
AY706948.1	111094	2928.6	3134.5	1765.9	1086.6	2811.9	1803.9
AY706939.1	110833	36.5	103.2	70.2	102.0	54.9	47.3
AY706941.1	110867	790.3	3809.8	335.7	672.3	398.6	316.1
DQ026688.1	146462	5076.3	9492.6	3981.9	4819.9	2444.7	2295.5
FJ203641.1	305702	4356.9	4315.4	2287.8	2140.3	1935.2	951.4
DQ269091.1	187735	1169.7	2440.8	2792.3	2029.9	587.7	1024.2
DQ026682.1	148404	3927.3	2548.1	800.6	653.1	1485.5	506.8
AY706944.1	109889	15072.0	15862.3	5933.2	8381.9	3911.7	4112.3
DQ026687.1	147909	231.3	407.8	65.9	127.8	55.0	33.9
FJ202795.1	344186	20983.6	21949.1	15313.8	11971.6	20264.2	20037.2
GU119563.1	591956	7853.8	11331.8	5086.6	5644.0	5048.2	4768.4
U38804.1	69121	9332.8	10817.8	8012.9	8730.0	4741.8	4976.3
NC_007932.1	154530	5416.3	7085.6	948.5	962.9	141.7	137.0
U38804.1	129267	12717.8	14054.1	5617.0	4430.8	3138.9	3084.9
AM084277.1	144620	8879.9	11134.4	5438.1	4339.0	2087.6	2481.0

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Rhodophyta	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified

g__sfC
g__sfD
g__sfE
g__sfF
g__sfG
g__sfH
g__sfI
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfB
g__sfB
g__sfC
g__sfC
g__sfD
g__sfE
g__sfF
g__sfG

s__unclassified	75034
s__unclassified	74642
s__unclassified	75481
s__unclassified	74853
s__unclassified	75888
s__unclassified	75725
s__unclassified	75706
s__unclassified	74623
s__unclassified	74663
s__unclassified	74803
s__unclassified	74810
s__unclassified	74878
s__unclassified	75003
s__unclassified	75010
s__unclassified	75062
s__unclassified	75068
s__unclassified	75126
s__unclassified	75237
s__unclassified	75253
s__unclassified	75267
s__unclassified	75358
s__unclassified	75512
s__unclassified	75534
s__unclassified	75637
s__unclassified	75648
s__unclassified	75673
s__unclassified	75681
s__unclassified	75797
s__unclassified	75804
s__unclassified	75884
s__unclassified	75896
s__unclassified	75287
s__unclassified	75530
s__unclassified	75608
s__unclassified	75769
s__unclassified	75305
s__unclassified	75553
s__unclassified	74614
s__unclassified	74838
s__unclassified	75119
s__unclassified	75176

AF170715.1 gg_id:27542 Flintiella sanguinaria str. SAG B 40.94
AF170721.1 gg_id:19387 Thorea violacea str. SAG 51.94
DQ269106.1 gg_id:188204 marine macro-alga surface clone DPC164
X81903.1 gg_id:3476 Glaucosphaera vacuolata str. SAG B 13.82
Z29521.1 gg_id:3474 Chondrus crispus
AF170713.1 gg_id:29775 Compsopogon coeruleus str. SAG B 36.94
Z18289.1 gg_id:3475 Palmaria palmata -- chloroplast
GU119866.1 gg_id:583758 Threatened Corals Provide Microbial Habitats reef water clone Reef_H15
AJ536459.1 gg_id:102607 Lauderia borealis str. P125 CCAP 1044/1
FJ002211.1 gg_id:306594 Thalassiosira gravida str. CCMP 986 C140
AF327029.1 gg_id:38733 algal bloom clone AWS98-19b
AJ007876.1 gg_id:3438 cyanobacterium clone LD27
GU119608.1 gg_id:579531 Threatened Corals Provide Microbial Habitats chloroplast clone Dstr_I18
U32670.1 gg_id:3400 picoplankton clone OM20
AJ536452.1 gg_id:101506 Bacillaria paxillifer str. p73
AF418971.1 gg_id:30625 USA: Colorado Fort Collins Horsetooth Reservoir clone HT2A3
FJ002215.1 gg_id:305627 Chaetoceros calcitrans str. PCC 537/nioz C07
FJ002196.1 gg_id:337513 Melosira cf. octogona str. CCMP 483 C122
FJ002179.1 gg_id:327536 Attheya septentrionalis str. CCMP 2083 C102
FJ002181.1 gg_id:340216 Aulacoseira granulata var. angustissima str. CCAP 1002/2 C104
FJ002221.1 gg_id:332808 Nitzschia closterium C14
FJ002188.1 gg_id:340298 Fragilaria pinnata str. CCAP 1029/2 C112
L10941.1 gg_id:3402 marine snow clone AGG56
DQ521489.1 gg_id:175452 Antarctic lake ice cover clone ANTLV1_E03
AJ536456.1 gg_id:102146 Cymatosira belgica str. P189 CCAP 1018/1
EU841053.1 gg_id:317660 biofilm grown on benthic ovals 0.5 degrees C 0.8 m depth polluted river surface clon
AF514852.1 gg_id:64743 Haslea ostrearia
AM991155.1 gg_id:278448 Microbial groundwater and their potential use biomonitoring karst spring water clo
GU119856.1 gg_id:555672 Threatened Corals Provide Microbial Habitats reef water clone Reef_J18
AJ536466.1 gg_id:107146 Corethron pennatum str. P135
AY221720.1 gg_id:112272 Stephanodiscus minutulus str. SAG 49.91
AF534438.1 gg_id:83959 Toolik Lake main station at 3 m depth clone TLM14
EF573915.1 gg_id:227603 site S25 near Coco's Island marine clone S25_259
AY948053.1 gg_id:143740 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl
GU119861.1 gg_id:586764 Threatened Corals Provide Microbial Habitats reef water clone Reef_N20
X14873.1 gg_id:3448 Pylaiella littoralis Pla.
DQ307678.1 gg_id:149793 Fucus vesiculosus
GQ231542.1 gg_id:563800 Aureoumbra lagunensis str. CCMP 1507
EF419352.1 gg_id:212582 Substantial alterations cutaneous biota psoriatic lesions human skin clone 1PN75
DQ513100.1 gg_id:159889 Microbial life fluids ridge flank crustal fluid clone FS274-44B-03
EF574323.1 gg_id:228263 site S25 near Coco's Island marine clone S25_667

AF170715.1	27542	10318.8	10227.7	7002.9	6528.5	3962.9	2480.4
AF170721.1	19387	2208.6	3803.6	797.7	377.9	100.3	84.6
DQ269106.1	188204	12259.3	11594.8	8342.5	6532.2	4180.0	5638.9
X81903.1	3476	3037.1	3098.9	321.1	539.9	208.3	510.3
Z29521.1	3474	38.3	87.6	46.9	91.1	71.2	65.2
AF170713.1	29775	6872.2	9347.2	2662.2	5096.8	2523.8	1975.2
Z18289.1	3475	2168.7	5506.3	1306.9	1572.9	422.4	580.6
GU119866.1	583758	7417.2	11597.7	3776.3	3394.3	364.7	740.7
AJ536459.1	102607	9120.7	13570.0	5338.3	6449.8	4848.9	2235.6
FJ002211.1	306594	14109.3	18149.1	7534.7	7836.4	5737.5	4566.9
AF327029.1	38733	235.1	1034.9	1461.5	498.1	43.3	10.8
AJ007876.1	3438	11839.7	16780.7	7035.4	4102.7	4036.7	3000.4
GU119608.1	579531	11219.6	15156.7	10324.4	11844.6	12471.0	10892.7
U32670.1	3400	1866.7	7476.4	744.9	613.9	83.9	44.1
AJ536452.1	101506	13206.8	20028.9	6237.0	12049.4	10185.4	7470.1
AF418971.1	30625	12555.3	19496.3	5379.2	10008.8	4116.7	4999.9
FJ002215.1	305627	15012.3	17047.4	6637.2	6769.7	6270.0	4494.2
FJ002196.1	337513	13195.0	23812.5	13697.9	9366.9	5842.2	5655.7
FJ002179.1	327536	8041.0	16272.6	6118.3	7944.1	8300.2	6756.6
FJ002181.1	340216	14558.3	21651.7	8665.8	11680.1	10285.2	8947.6
FJ002221.1	332808	640.4	2350.0	912.5	2255.3	413.3	419.2
FJ002188.1	340298	10769.4	17550.8	11075.9	9133.6	10747.4	8527.1
L10941.1	3402	14695.8	15223.4	9536.5	12115.0	9246.5	8087.3
DQ521489.1	175452	6321.4	13197.2	4620.5	5054.9	4860.9	3322.8
AJ536456.1	102146	8516.9	15371.3	3225.7	4365.5	1573.4	645.6
EU841053.1	317660	4786.2	8614.0	5372.4	5330.7	3552.0	2628.7
AF514852.1	64743	2833.2	5670.0	743.8	330.0	95.6	55.4
AM991155.1	278448	7446.8	10372.3	5908.9	6558.7	1726.0	2078.5
GU119856.1	555672	14677.1	19506.0	7670.3	8583.5	4938.4	3434.3
AJ536466.1	107146	170.5	1396.4	96.0	91.9	68.1	26.7
AY221720.1	112272	8766.4	17461.5	6491.6	4829.9	1008.4	456.7
AF534438.1	83959	749.9	1940.3	1866.7	5600.0	172.3	247.7
EF573915.1	227603	5681.5	9149.1	6605.2	5031.3	2783.4	3600.0
AY948053.1	143740	325.8	2840.1	6982.6	5938.4	57.4	151.2
GU119861.1	586764	6404.5	11368.3	4254.8	5294.2	1335.0	1260.8
X14873.1	3448	14061.7	16332.5	6446.4	10634.2	7920.2	6878.0
DQ307678.1	149793	5587.9	7924.2	2777.1	3160.3	505.9	226.6
GQ231542.1	563800	10484.0	16222.3	10779.9	7994.0	8650.2	6748.5
EF419352.1	212582	481.2	2654.4	490.4	153.7	36.5	28.5
DQ513100.1	159889	4659.4	10164.0	2035.8	1446.6	95.6	146.8
EF574323.1	228263	72.5	223.4	218.4	163.8	176.1	170.7

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast

o__Stramenopiles	f__unclassified
o__Stramenopiles	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified

g__sfH
g__sfI
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfC
g__sfD
g__sfE

s__unclassified	75343
s__unclassified	74718
s__unclassified	74687
s__unclassified	74819
s__unclassified	74842
s__unclassified	74849
s__unclassified	74872
s__unclassified	74901
s__unclassified	74905
s__unclassified	74943
s__unclassified	74980
s__unclassified	74995
s__unclassified	75105
s__unclassified	75188
s__unclassified	75198
s__unclassified	75215
s__unclassified	75218
s__unclassified	75224
s__unclassified	75283
s__unclassified	75339
s__unclassified	75495
s__unclassified	75508
s__unclassified	75515
s__unclassified	75519
s__unclassified	75532
s__unclassified	75537
s__unclassified	75613
s__unclassified	75626
s__unclassified	75644
s__unclassified	75744
s__unclassified	75836
s__unclassified	75863
s__unclassified	75870
s__unclassified	75878
s__unclassified	75898
s__unclassified	75909
s__unclassified	74753
s__unclassified	74928
s__unclassified	74834
s__unclassified	74879
s__unclassified	75406

EU050703.1 gg_id:243366 Microbial waters production water Daqing oil field clone DQ328-37
EU168190.1 gg_id:286333 Heterosigma akashiwo str. NIES 293
U24588.1 gg_id:3550 Lygodium japonicum
AB197035.2 gg_id:141908 Selaginella uncinata
EU017103.1 gg_id:243468 Passiflora biflora
AY660566.1 gg_id:108861 Huperzia lucidula
DQ478785.1 gg_id:221305 Dacrydium pierrei
DQ478783.1 gg_id:220978 Cephalotaxus fortunei
DQ000201.1 gg_id:123131 Trewia nudiflora
X07675.1 gg_id:3541 Glycine max str. Maple arrow
GQ076398.1 gg_id:436938 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw36
FJ755183.1 gg_id:559773 Selaginella moellendorffii
DQ359689.1 gg_id:177315 Ranunculus macranthus
GQ997924.1 gg_id:518737 Ximenia americana
DQ417653.1 gg_id:155825 Trifolium repens
AF244555.1 gg_id:36243 Gnetum leyboldii
DQ478789.1 gg_id:225032 Abies fabri
NC_008454.1 gg_id:192539 Pelargonium x hortorum
EF219137.1 gg_id:214073 microbial extremely acidic metal-rich stream massive sulfide (Huelva Spain) and their
U24595.1 gg_id:3525 Tmesipteris oblanceolata
U24585.1 gg_id:3545 Isoetes melanopoda
AJ007728.1 gg_id:53526 Orobanche minor
AP009339.1 gg_id:245721 Cycas taitungensis
GQ998717.1 gg_id:527256 Quercus nigra
EU016691.1 gg_id:239198 Yucca schidigera
AJ401353.1 gg_id:18362 Cuscuta campestris
NC_005973.1 gg_id:101027 Oryza nivara str. SL10
AF244549.1 gg_id:34845 Adiantum pedatum
AJ440719.1 gg_id:64370 putative agent rhinosporidiosis
GQ043362.1 gg_id:387276 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw96
U24586.1 gg_id:3509 "Juniperus virginiana"
NC_008407.1 gg_id:173745 Jasminum nudiflorum
X73670.1 gg_id:3546 Daucus carota -- chloroplast
GQ000614.1 gg_id:469179 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ043792.1 gg_id:439422 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw97
NC_004543.1 gg_id:128955 Anthoceros formosae
U24596.1 gg_id:3536 Spirogyra maxima
FJ901425.1 gg_id:578127 phreatic limestone sinkholes northeastern Mexico growth slide biofilm 1m deep ceno
U47845.1 gg_id:29047 Cytinus ruber
U24591.1 gg_id:3534 Selaginella apoda
U67743.1 gg_id:35074 Cynomorium coccineum

EU050703.1	243366	9442.3	11212.7	11178.8	9561.7	3054.2	2541.5
EU168190.1	286333	181.3	392.6	75.4	449.4	64.3	39.8
U24588.1	3550	122.3	729.0	371.8	165.8	56.2	26.0
AB197035.2	141908	342.0	369.4	409.3	126.0	115.1	85.2
EU017103.1	243468	6855.9	7977.0	3323.6	4901.5	4694.8	4053.7
AY660566.1	108861	165.5	333.1	587.4	141.1	447.4	475.0
DQ478785.1	221305	102.6	98.0	62.3	66.8	76.4	48.0
DQ478783.1	220978	11373.2	12580.1	12453.3	7458.1	7416.3	8272.3
DQ000201.1	123131	2555.9	6609.1	448.2	818.6	1129.3	890.6
X07675.1	3541	1449.6	2184.5	508.8	476.5	897.3	162.8
GQ076398.1	436938	5921.4	6448.5	2266.7	4112.4	6888.3	5501.7
FJ755183.1	559773	4463.7	5706.4	2308.4	2638.0	1271.0	1748.2
DQ359689.1	177315	573.9	420.5	71.0	69.8	52.0	43.5
GQ997924.1	518737	2139.9	5038.3	2430.4	1818.2	1457.6	472.5
DQ417653.1	155825	10089.4	12665.9	7117.2	6239.3	5104.1	3379.8
AF244555.1	36243	632.3	510.3	287.1	1014.6	372.4	177.6
DQ478789.1	225032	6904.1	8986.9	2022.2	2552.7	789.2	1529.9
NC_008454.1	192539	5254.8	5834.2	3709.0	2997.9	1551.4	2643.8
EF219137.1	214073	66.5	176.5	133.1	68.4	74.0	45.7
U24595.1	3525	3902.1	4477.7	1139.0	1513.2	1473.0	827.1
U24585.1	3545	1629.6	3759.7	5320.7	1508.3	513.4	915.5
AJ007728.1	53526	16039.1	15706.2	13179.4	11686.8	13041.7	12342.9
AP009339.1	245721	10257.6	9012.4	6589.8	6921.7	6319.1	6295.0
GQ998717.1	527256	3846.4	4987.7	2388.4	1374.9	810.6	1154.6
EU016691.1	239198	6268.6	7452.0	4373.9	566.7	2651.0	2107.1
AJ401353.1	18362	1118.4	1448.2	1022.3	826.2	1379.0	224.4
NC_005973.1	101027	34.3	62.0	75.9	76.6	60.0	34.4
AF244549.1	34845	87.6	261.7	322.2	210.0	75.4	63.8
AJ440719.1	64370	5381.7	8207.7	3328.3	5063.1	6977.6	6322.1
GQ043362.1	387276	1180.8	505.3	1514.3	631.4	2680.1	1093.1
U24586.1	3509	827.7	1362.5	2248.9	285.4	1037.4	998.2
NC_008407.1	173745	40.5	133.0	32.0	74.6	76.0	39.1
X73670.1	3546	7927.0	9981.0	3318.0	6615.0	3272.5	2184.5
GQ000614.1	469179	6353.5	8400.0	6732.1	4485.9	9731.1	5278.7
GQ043792.1	439422	6186.3	7362.2	2044.4	6318.7	5521.6	5225.7
NC_004543.1	128955	19373.7	12216.4	3002.9	1156.1	2445.7	3773.5
U24596.1	3536	187.0	604.6	67.5	207.3	101.6	39.2
FJ901425.1	578127	5598.3	5770.9	4743.0	2651.4	2399.7	1352.2
U47845.1	29047	110.9	204.2	105.2	468.9	242.2	328.9
U24591.1	3534	25.8	50.5	41.2	54.2	61.8	20.3
U67743.1	35074	1845.8	2508.3	513.3	1304.4	226.9	205.3

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Chloroplast
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Gloeobacterophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae

o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__Streptophyta	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Gloeobacterales	f__Gloeobacteraceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae

g__sfF
g__sfG
g__sfH
g__sfA
g__sfA
g__sfB
g__sfC
g__sfD
g__sfE
g__sfF
g__sfG
g__sfH
g__sfI
g__sfJ
g__sfK
g__sfL
g__Gloeobacter
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaena
g__Anabaenopsis
g__Anabaenopsis
g__Anabaenopsis
g__Aphanizomenon
g__Aphanizomenon
g__Aphanizomenon
g__Aphanizomenon
g__Aphanizomenon
g__Cylindrospermopsis
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum

s__unclassified	75867
s__unclassified	75748
s__unclassified	74717
s__unclassified	75322
s__unclassified	75619
s__unclassified	75197
s__unclassified	74674
s__unclassified	75480
s__unclassified	75599
s__unclassified	75498
s__unclassified	75123
s__unclassified	75147
s__unclassified	75430
s__unclassified	74689
s__unclassified	75302
s__unclassified	74797
s__Gloeobacter violaceus	53460
s__Anabaena cylindrica	53403
s__Anabaena cylindrica	53795
s__Nostoc sp. PCC 7120	53719
s__unclassified	52944
s__unclassified	53292
s__unclassified	53327
s__unclassified	53387
s__unclassified	53413
s__unclassified	53737
s__unclassified	53776
s__unclassified	53907
s__Anabaenopsis abijatae	53474
s__Anabaenopsis elenkinii	53885
s__unclassified	53020
s__Aphanizomenon issatschenkoi	53456
s__Aphanizomenon issatschenkoi	53583
s__unclassified	52991
s__unclassified	53169
s__unclassified	53308
s__Cylindrospermopsis raciborskii	52982
s__Dolichospermum compactum	53600
s__Dolichospermum crassum	53003
s__Dolichospermum smithii	53113
s__Dolichospermum smithii	53199

U24579.1 gg_id:3556 Coleochaete orbicularis
U67740.1 gg_id:45967 Bdallophyton americanum
U67742.1 gg_id:72055 Mitrastema yamamotoi
EU799970.1 gg_id:303568 It's all ranking aquatic Newport Harbour RI clone 1C227648
AB355043.1 gg_id:242402 Monitoring and archaeal two heavy polluted areas lake Egypt based on surface wate
AF289247.1 gg_id:30353 Eutreptia viridis str. SAG 1226-1c
AF170711.1 gg_id:28521 Chroothece richteriana str. SAG B 104.79
AF172715.1 gg_id:30150 Pavlova gyrans
FJ719672.1 gg_id:530315 Eutreptiella gymnastica str. MCC-NIES381
FJ390400.1 gg_id:366238 Cyanidium sp. Atacama
DQ249873.1 gg_id:161126 Eutreptiella braarudii str. CCMP-1594
EU586032.1 gg_id:258653 Cyanidium caldarium str. YSK-1
EU750699.1 gg_id:385423 Eutreptiella pomquetensis str. CCMP 1491
AB234298.1 gg_id:141161 Nephroselmis pyriformis
GU062005.1 gg_id:577338 and function microbial mesoscale eddy perturbations South China Sea clone S-DCM-
FN563105.1 gg_id:512475 Mesostigma viride str. SAG 50-1
AF132790.1 gg_id:3564 Gloeobacter violaceus str. PCC 7421
EF583862.1 gg_id:237833 Anabaena sp. str. BECID31
AJ630458.1 gg_id:108010 Anabaena augstumalis 'SCHMIDKE JAHNKE/4a' str. SCMIDKE JAHNKE/4a
X59559.1 gg_id:3092 Anabaena sp str. PCC 7120
AM711537.1 gg_id:258918 Nostoc sp. str. PCC 8112
GQ466520.1 gg_id:540733 analyses genus Anabaena soil rice field
AF247593.1 gg_id:29130 Anabaena variabilis str. NIES23
AF317631.1 gg_id:50880 Nostoc sp. str. PCC 7120
DQ234828.1 gg_id:142226 Anabaena variabilis str. KCTC AG10273
AB275346.1 gg_id:211084 Nostoc sp. str. Os1-C1
AY218829.1 gg_id:81799 Anabaena flos-aquae str. UTCC 64
AY742448.1 gg_id:101942 Nostoc sp. str. 8941
AM773302.1 gg_id:296783 Anabaenopsis cf. abijatae str. AB2002/25
AM773306.1 gg_id:289237 Anabaenopsis elenkinii str. AB2002/37
AY038036.1 gg_id:29506 Cyanospira rippkae str. PCC 9501
EU157977.1 gg_id:346176 Aphanizomenon issatschenkoi str. 1311
AY196087.1 gg_id:88937 Aphanizomenon issatschenkoi str. TAC419
FJ830579.1 gg_id:538751 Anabaena cf. fallax str. CENA208
AY196088.1 gg_id:88923 Aphanizomenon issatschenkoi str. LEMCYA31
EU157982.1 gg_id:352387 Aphanizomenon issatschenkoi str. 473
AB115471.1 gg_id:101333 Cylindrospermopsis raciborskii str. DMKU51006
AY701569.1 gg_id:99710 Anabaena compacta str. 1403/24
FJ830573.1 gg_id:573019 Anabaena crassa str. CENA196
AB271212.1 gg_id:173309 Anabaena spiroides
AY701546.1 gg_id:107062 Anabaena planktonica str. TAC435

U24579.1	3556	50.5	134.6	58.3	72.3	98.8	45.4
U67740.1	45967	256.8	554.7	52.0	91.7	74.2	33.2
U67742.1	72055	146.8	426.5	150.5	98.0	123.5	74.1
EU799970.1	303568	13533.7	20940.3	13034.8	11274.8	6917.6	9516.5
AB355043.1	242402	6082.8	11258.2	7212.8	5016.7	1609.2	2853.9
AF289247.1	30353	379.8	603.2	45.0	197.8	54.5	12.5
AF170711.1	28521	363.7	705.5	63.3	235.1	87.2	62.5
AF172715.1	30150	275.1	673.6	1560.3	541.5	647.4	574.3
FJ719672.1	530315	7942.1	8768.9	10933.4	9657.9	7948.8	9457.3
FJ390400.1	366238	11477.4	15341.1	7411.4	7504.4	1672.7	3048.2
DQ249873.1	161126	397.3	1369.9	407.3	185.8	67.5	57.5
EU586032.1	258653	9200.9	10516.5	5224.1	5279.2	3897.7	4180.1
EU750699.1	385423	10480.7	15476.9	8512.6	5868.8	5338.8	5939.1
AB234298.1	141161	12225.3	15206.3	9683.2	7643.9	1782.3	3276.7
GU062005.1	577338	7449.7	12132.4	4457.1	4369.8	462.2	654.3
FN563105.1	512475	12040.1	15975.5	7611.1	5400.5	3519.8	5024.1
AF132790.1	3564	282.8	726.5	581.3	346.4	898.1	603.4
EF583862.1	237833	17490.0	18876.7	7533.8	4094.9	5209.5	5217.2
AJ630458.1	108010	23548.9	24667.0	6239.1	5991.8	4971.5	6220.8
X59559.1	3092	10714.7	11284.3	3462.6	5403.7	10069.8	6506.6
AM711537.1	258918	11995.1	16444.8	2672.9	1432.2	571.7	891.0
GQ466520.1	540733	12193.0	12593.4	3027.6	5006.9	8767.9	5613.9
AF247593.1	29130	8596.5	10165.1	1734.0	2650.3	5722.7	2788.0
AF317631.1	50880	23913.4	21606.8	8797.1	14020.1	16879.6	14257.9
DQ234828.1	142226	11573.8	11721.1	1772.3	3673.9	6264.4	3765.5
AB275346.1	211084	2410.8	3324.9	1590.5	1286.4	6808.1	988.4
AY218829.1	81799	12049.4	13546.2	1940.0	4082.9	10323.5	3502.4
AY742448.1	101942	6236.8	9676.9	640.7	749.7	2410.5	132.9
AM773302.1	296783	14395.5	18349.1	3683.2	3000.6	6143.1	2904.3
AM773306.1	289237	8487.6	11435.9	6214.1	1813.8	1679.4	1720.4
AY038036.1	29506	7840.4	12650.1	2965.1	3815.9	8643.9	4699.1
EU157977.1	346176	14329.4	17021.5	4444.3	4433.8	4198.6	3443.6
AY196087.1	88937	14832.5	19708.0	4545.0	4682.6	5102.9	4486.7
FJ830579.1	538751	20105.3	24518.8	2360.2	1912.0	3774.8	3202.3
AY196088.1	88923	14682.5	17615.1	2939.0	3460.6	1873.7	1468.7
EU157982.1	352387	15172.7	14855.9	1803.1	1229.2	865.5	1662.5
AB115471.1	101333	62.0	169.2	25.2	70.4	44.3	18.8
AY701569.1	99710	6417.9	9999.9	905.1	739.4	640.0	367.8
FJ830573.1	573019	13029.0	16817.6	4943.6	1608.8	289.4	589.5
AB271212.1	173309	16256.7	20070.9	2620.9	2114.0	5361.1	3899.9
AY701546.1	107062	14812.4	19447.2	2223.6	2223.5	4798.6	3349.6

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae

o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae

g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Dolichospermum
g__Gloeotrichia
g__Gloeotrichia
g__Nodularia
g__Nodularia
g__Nodularia
g__Nodularia
g__Nodularia
g__Nodularia
g__Nodularia
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc

s__Dolichospermum smithii	53535
s__Dolichospermum solitarium	53846
s__unclassified	53032
s__unclassified	53042
s__unclassified	53118
s__unclassified	53155
s__unclassified	53181
s__unclassified	53219
s__unclassified	53279
s__unclassified	53312
s__unclassified	53344
s__unclassified	53394
s__unclassified	53419
s__unclassified	53451
s__unclassified	53611
s__unclassified	53687
s__unclassified	53755
s__unclassified	53756
s__unclassified	53764
s__unclassified	53860
s__unclassified	53879
s__unclassified	53894
s__unclassified	53909
s__unclassified	53912
s__Gloeotrichia echinulata	53294
s__unclassified	52940
s__Nodularia sphaerocarpa	52953
s__Nodularia sphaerocarpa	53355
s__Nodularia sphaerocarpa	53433
s__Nodularia sphaerocarpa	53506
s__Nodularia sphaerocarpa	53724
s__unclassified	52988
s__unclassified	53052
s__Nostoc muscorum	53671
s__Nostoc punctiforme	53092
s__unclassified	52956
s__unclassified	52971
s__unclassified	52992
s__unclassified	53060
s__unclassified	53080
s__unclassified	53102

AY701555.1 gg_id:103062 Anabaena smithii str. TAC432
AY701543.1 gg_id:106587 Anabaena planktonica str. TAC422
AJ630433.1 gg_id:107983 Anabaena planctonica str. 1tu36s8
AJ630434.1 gg_id:107985 Anabaena sigmoidea str. 0tu36s7
AY701560.1 gg_id:107303 Anabaena ellipsoides str. AnaHB
AY701548.1 gg_id:107359 Anabaena planktonica str. 1403/27
DQ023199.1 gg_id:128225 Anabaena lemmermannii 'BC 0005' BC Ana 0005
AY196086.1 gg_id:88724 Aphanizomenon gracile 'Aph NH-5' str. Aph NH-5
AJ630419.1 gg_id:107969 Anabaena flos-aquae str. 1tu31s11
AJ630443.1 gg_id:107992 Aphanizomenon flos-aquae str. 1tu26s2
EU157987.1 gg_id:348194 Aphanizomenon flos-aquae str. A8
FJ830571.1 gg_id:575863 Anabaena circinalis str. CENA191
AF317632.1 gg_id:28360 Aphanizomenon flos-aquae str. NIES81
EU157997.1 gg_id:355112 Aphanizomenon flos-aquae str. AFA-6
AJ293105.1 gg_id:20833 Anabaena solitaria str. 82
GU434227.1 gg_id:525004 Anabaena sedovii str. ACCS 058
AJ630425.1 gg_id:107974 Anabaena mucosa str. 1tu35s5
AJ630440.1 gg_id:107991 Anabaena spiroides str. 1tu39s17
AJ293112.1 gg_id:40671 Anabaena crassa str. 215
AB093488.1 gg_id:82666 Anabaena planctonica NIES-810 str. NIES 810 NIES-810
AF247590.1 gg_id:38208 Anabaena flos-aquae str. AWQC112D
AF247573.1 gg_id:23978 Anabaena circinalis str. AWQC150A
AY354194.1 gg_id:101150 Aphanizomenon gracile str. LMECYA40
AJ293118.1 gg_id:43523 Anabaena spiroides str. PMC9702
EU340226.1 gg_id:256707 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY
FJ592868.1 gg_id:511684 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
AJ781148.1 gg_id:110881 Nodularia sphaerocarpa str. UTEX B 2093
AJ781144.1 gg_id:110114 Nodularia sphaerocarpa str. Fae19
AF268023.1 gg_id:51799 Nodularia spumigena str. PCC73104
AF268006.2 gg_id:37800 Nodularia spumigena str. L575
AY038034.1 gg_id:20340 Nodularia spumigena str. PCC 9350
AF268009.1 gg_id:35491 Nodularia spumigena str. NSLA01
AF268017.1 gg_id:74014 Nodularia spumigena str. NSPH05A14
AJ630452.1 gg_id:108005 Nostoc muscorum str. II
DQ185257.1 gg_id:148513 Nostoc punctiforme str. SAG 69.79
DQ185234.1 gg_id:149137 Nostoc sp. 'Lobaria hallii cyanobiont'
AB325714.1 gg_id:310463 Nostoc cf. commune str. KG-54
AF027654.1 gg_id:3108 Nostoc sp. PCC 9709 str. PCC9709
AJ630449.1 gg_id:108000 Nostoc edaphicum str. X
AY328900.1 gg_id:103321 Nostoc sp. str. 119.7.2
AJ630447.1 gg_id:107997 Nostoc calcicola str. III

AY701555.1	103062	12325.2	15969.1	2121.6	1808.3	5118.5	3190.5
AY701543.1	106587	20487.5	25466.6	2870.1	3425.9	5432.4	4834.0
AJ630433.1	107983	14401.5	18670.2	4639.8	3924.8	10934.8	6739.2
AJ630434.1	107985	19366.4	24478.8	3777.8	6583.4	9988.9	7540.5
AY701560.1	107303	11642.4	13342.9	4070.7	5837.7	3056.7	4325.1
AY701548.1	107359	14219.1	18583.7	4614.3	2658.1	7803.2	5348.9
DQ023199.1	128225	14527.3	17693.7	3179.7	6544.4	8386.7	8309.4
AY196086.1	88724	19273.2	23851.2	3449.2	5119.6	1786.1	2161.1
AJ630419.1	107969	18688.5	22256.3	4981.4	4764.5	5841.2	5245.7
AJ630443.1	107992	18699.5	25219.2	3093.1	3588.9	8850.1	5927.8
EU157987.1	348194	21470.0	26821.0	2675.1	3455.9	4857.1	3812.1
FJ830571.1	575863	11390.9	15252.7	4468.2	2381.8	3320.8	2135.3
AF317632.1	28360	12705.2	15423.7	4793.0	6978.9	5058.7	4903.6
EU157997.1	355112	22591.0	27555.2	3423.3	4246.6	6701.6	5202.6
AJ293105.1	20833	7079.6	11959.2	4383.2	1831.5	1088.8	584.3
GU434227.1	525004	7642.4	9697.4	1629.3	874.6	916.6	330.1
AJ630425.1	107974	20182.3	24340.1	3391.8	3400.3	6885.3	5803.9
AJ630440.1	107991	21545.0	26797.0	2664.4	3386.4	4856.8	3808.0
AJ293112.1	40671	17510.8	20871.2	9830.3	9630.6	11696.4	8975.8
AB093488.1	82666	21696.3	25714.9	2829.3	4462.3	4908.3	4803.5
AF247590.1	38208	9829.1	14122.2	1402.3	1469.8	4720.0	2305.8
AF247573.1	23978	14238.3	19129.5	1472.5	1628.6	686.0	1358.9
AY354194.1	101150	9882.6	12532.4	1526.7	633.1	131.9	373.3
AJ293118.1	43523	15925.5	21142.0	3379.8	2308.4	7460.1	4510.2
EU340226.1	256707	10005.7	14599.8	1122.3	1243.2	295.3	196.5
FJ592868.1	511684	13952.8	16507.5	3291.6	3331.7	4358.7	3640.3
AJ781148.1	110881	8800.8	11717.5	4058.3	3969.5	2441.5	1490.6
AJ781144.1	110114	15671.8	19227.7	7528.8	4027.5	1903.3	2101.7
AF268023.1	51799	9698.7	15283.5	2535.2	1712.5	3828.4	2414.1
AF268006.2	37800	22929.2	26501.7	12613.2	13470.4	19415.2	15734.2
AY038034.1	20340	17811.2	21078.7	10219.3	5590.7	2040.7	4419.8
AF268009.1	35491	17628.8	17844.9	17486.1	12682.3	12759.4	11899.0
AF268017.1	74014	14803.9	19796.7	5298.6	5227.1	6533.4	4735.4
AJ630452.1	108005	7205.3	7484.9	1492.4	1691.5	496.6	409.4
DQ185257.1	148513	489.5	1182.9	108.5	109.1	66.4	29.5
DQ185234.1	149137	1722.5	2090.5	1870.0	2196.6	3848.9	2118.4
AB325714.1	310463	10915.1	10861.2	7679.0	7373.2	9301.0	8925.0
AF027654.1	3108	10944.9	13304.0	5176.3	3778.8	1290.5	1535.4
AJ630449.1	108000	944.6	2537.5	2217.4	454.4	100.2	115.9
AY328900.1	103321	12705.5	16727.2	2779.0	2194.5	6435.8	4525.4
AJ630447.1	107997	849.3	1490.5	58.0	73.3	62.7	18.9

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae

o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae

g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Nostoc
g__Sphaerospermopsis
g__Trichormus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	53121
s__unclassified	53127
s__unclassified	53132
s__unclassified	53140
s__unclassified	53186
s__unclassified	53221
s__unclassified	53297
s__unclassified	53298
s__unclassified	53334
s__unclassified	53337
s__unclassified	53338
s__unclassified	53393
s__unclassified	53428
s__unclassified	53437
s__unclassified	53458
s__unclassified	53508
s__unclassified	53546
s__unclassified	53553
s__unclassified	53555
s__unclassified	53587
s__unclassified	53593
s__unclassified	53598
s__unclassified	53608
s__unclassified	53609
s__unclassified	53688
s__unclassified	53722
s__unclassified	53765
s__unclassified	53781
s__unclassified	53789
s__unclassified	53824
s__unclassified	53847
s__unclassified	53854
s__unclassified	53896
s__unclassified	53980
s__unclassified	53271
s__Trichormus variabilis	53774
s__unclassified	52972
s__unclassified	52987
s__unclassified	52993
s__unclassified	52998
s__unclassified	53033

AB101003.1 gg_id:102224 Nostoc commune
AY328896.1 gg_id:99053 Nostoc sp. str. 9.4.22
DQ234824.1 gg_id:143784 Anabaena flos-aquae str. UTEX LB2391
DQ185223.1 gg_id:148113 Nostoc commune '0'Brien 02011101'
EU178144.1 gg_id:256672 Nostoc sphaeroides str. HBHF0604
DQ234825.1 gg_id:142304 Anabaena flos-aquae str. UTEX LB2557
FJ592873.1 gg_id:554414 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
DQ185226.1 gg_id:148337 Nostoc sp. 'Peltigera membranacea 1 cyanobiont'
DQ185256.1 gg_id:149796 Nostoc punctiforme str. SAG 68.79
AY218833.1 gg_id:81294 Nostoc commune str. UTEX 584
AB251860.1 gg_id:327757 Nostoc commune
EU178143.1 gg_id:250532 Nostoc flagelliforme str. IMGA0408
AY742447.1 gg_id:101785 Nostoc sp. str. 8916
AF506239.1 gg_id:58861 Nostoc sp. 'Peltigera pruinosa cyanobiont 14' 'Peltigera
FJ815314.1 gg_id:534084 Microcystin Production Tripartite Cyanolichen Peltigera leucophlebia Finland clone A1
AB113666.1 gg_id:110233 Nostoc commune
EF174207.1 gg_id:200545 Nostoc sp. 'Pannaria cyanobiont' sphinctrina 1b Ch
GU396093.1 gg_id:522456 Nostoc piscinale str. BF3
AF506243.1 gg_id:58858 Nostoc sp. 'Peltigera pruinosa cyanobiont 18' 'Peltigera
AB428654.1 gg_id:331170 Nostoc commune
AF506247.1 gg_id:58854 Nostoc sp. 'Peltigera praetextata cyanobiont 22' 'Peltigera
FJ815321.1 gg_id:542307 Microcystin Production Tripartite Cyanolichen Peltigera leucophlebia Finland clone U
AB275349.1 gg_id:205766 Nostoc sp. str. Ni4-C1
EU282431.1 gg_id:253266 Nostoc sp. str. 195-A21
FJ592874.1 gg_id:532880 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
FJ592872.1 gg_id:546107 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
AF506251.1 gg_id:58852 Nostoc sp. 'Nephroma parile cyanobiont 26' 'Nephroma
AJ344563.1 gg_id:35715 Nostoc sp. DM103 str. SAG 2028
AB098071.1 gg_id:110216 Nostoc commune str. SO-42
AY328897.1 gg_id:99213 Nostoc sp. str. 113.5
AB088405.2 gg_id:63340 Nostoc commune str. M-13
AF506240.1 gg_id:56511 Nostoc sp. 'Peltigera venosa cyanobiont 15' 'Peltigera
AB251862.1 gg_id:311353 Nostoc commune
AJ630450.1 gg_id:108003 Nostoc ellipsosporum str. V
AY701573.1 gg_id:103881 Anabaena flos-aquae str. NIES73
DQ234831.1 gg_id:141547 Trichormus variabilis str. KCTC AG10178
EF088341.1 gg_id:199561 Nostoc sp. str. CENA 107
AY218828.1 gg_id:82104 Nostoc muscorum str. CENA61
AF160256.1 gg_id:36477 Anabaena bergii str. 283A
AF247597.1 gg_id:48640 Anabaena flos-aquae str. NRC525-17
AF268018.1 gg_id:50096 Nodularia sphaerocarpa str. CDAC1966/93-1

AB101003.1	102224	559.4	2110.3	2624.3	750.2	118.2	140.0
AY328896.1	99053	8888.5	8753.1	4306.8	3011.5	1656.9	1895.6
DQ234824.1	143784	5172.2	6407.8	4455.7	6540.1	7951.2	8717.5
DQ185223.1	148113	2336.9	5239.0	227.6	134.0	56.8	18.7
EU178144.1	256672	3592.5	3600.1	774.8	313.7	1120.6	201.3
DQ234825.1	142304	252.3	1424.5	92.3	159.3	135.7	109.4
FJ592873.1	554414	15320.5	18413.6	7637.7	8745.5	1898.4	1264.2
DQ185226.1	148337	3857.5	6296.0	753.0	678.3	1431.4	878.7
DQ185256.1	149796	305.0	470.8	208.0	134.6	66.6	39.5
AY218833.1	81294	16636.0	17294.7	8887.0	10472.1	14801.5	14116.6
AB251860.1	327757	1162.4	1265.5	3120.9	660.3	72.1	40.9
EU178143.1	250532	4033.1	6232.3	3848.3	1542.5	3538.1	2072.3
AY742447.1	101785	3698.9	4553.7	873.6	647.1	4508.6	198.1
AF506239.1	58861	19.1	42.4	45.5	46.0	62.6	16.6
FJ815314.1	534084	9049.0	12437.4	852.7	3038.0	1661.1	1479.2
AB113666.1	110233	3774.2	5759.1	709.5	425.3	1501.1	860.2
EF174207.1	200545	5839.3	4662.7	1404.4	483.9	979.2	434.8
GU396093.1	522456	2962.8	3683.2	1745.4	883.6	817.2	473.3
AF506243.1	58858	954.0	2008.4	309.3	294.7	91.0	77.0
AB428654.1	331170	15585.4	15590.3	12347.2	12889.2	15827.6	13888.9
AF506247.1	58854	2524.2	4261.9	237.6	158.0	194.1	78.7
FJ815321.1	542307	4652.1	7606.1	227.9	639.8	83.5	90.4
AB275349.1	205766	3770.5	5453.2	518.3	228.1	73.6	174.1
EU282431.1	253266	8171.3	10762.6	2379.0	2004.8	2058.6	1293.7
FJ592874.1	532880	17385.6	18093.8	13453.9	9968.9	14525.1	11109.5
FJ592872.1	546107	17803.3	19680.6	7813.8	10121.3	8027.6	7574.9
AF506251.1	58852	7159.4	9166.5	1866.8	1804.1	4531.8	1713.1
AJ344563.1	35715	9364.8	10552.7	2232.1	1381.3	4825.2	3969.7
AB098071.1	110216	808.4	1656.5	207.0	150.7	65.2	35.4
AY328897.1	99213	9034.3	9923.2	1146.8	1514.4	4556.6	2115.9
AB088405.2	63340	5869.2	9100.8	985.7	982.6	1606.4	830.3
AF506240.1	56511	8163.0	11798.9	1093.5	1305.8	3118.5	1689.8
AB251862.1	311353	9560.1	9723.1	3249.7	4678.8	4830.3	3518.1
AJ630450.1	108003	7195.2	11819.7	1733.0	1254.1	679.6	826.1
AY701573.1	103881	9845.2	11265.3	993.7	668.7	806.1	494.7
DQ234831.1	141547	1498.3	3089.0	50.7	162.0	62.8	29.2
EF088341.1	199561	4619.8	5948.0	1863.2	3436.8	5066.5	2160.6
AY218828.1	82104	12453.2	12708.3	1408.7	1524.3	8599.9	1022.7
AF160256.1	36477	2779.1	5603.9	1198.7	237.5	84.6	26.7
AF247597.1	48640	15924.4	23188.4	3206.2	2361.1	2029.3	1748.6
AF268018.1	50096	8394.5	10847.3	2293.6	1110.5	154.4	916.6

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae

o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Nostocaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Calothrix
g__Calothrix
g__Calothrix
g__Calothrix
g__Calothrix
g__Calothrix

s__unclassified	53098
s__unclassified	53141
s__unclassified	53151
s__unclassified	53167
s__unclassified	53180
s__unclassified	53184
s__unclassified	53214
s__unclassified	53244
s__unclassified	53245
s__unclassified	53269
s__unclassified	53311
s__unclassified	53324
s__unclassified	53346
s__unclassified	53356
s__unclassified	53386
s__unclassified	53389
s__unclassified	53412
s__unclassified	53464
s__unclassified	53548
s__unclassified	53568
s__unclassified	53596
s__unclassified	53641
s__unclassified	53651
s__unclassified	53652
s__unclassified	53676
s__unclassified	53704
s__unclassified	53784
s__unclassified	53808
s__unclassified	53816
s__unclassified	53833
s__unclassified	53852
s__unclassified	53859
s__unclassified	53916
s__unclassified	53950
s__unclassified	53981
s__unclassified	52973
s__unclassified	52980
s__unclassified	53420
s__unclassified	53658
s__unclassified	53660
s__unclassified	53753

AY218827.1 gg_id:81554 Nostoc muscorum str. CENA18
AB325906.1 gg_id:333578 Nostoc carneum str. IAM M-35
AF247595.1 gg_id:28828 Anabaenopsis circularis str. NIES21
DQ897365.1 gg_id:170580 Cylindrospermum sp. A1345
AF317629.1 gg_id:44470 Anabaena sp. str. PCC 7108
DQ364237.1 gg_id:157669 Anabaena sp. str. SSM-00
AY493624.1 gg_id:178988 Petalonema sp. ANT.GENTNER2.8
AM230668.1 gg_id:198952 Tolypothrix sp. str. PCC 7415
AJ630428.1 gg_id:107978 Anabaena oscillarioides 'BO 1984/43' str. BO HINDAK 1984/43
AF132789.1 gg_id:136153 Cylindrospermum stagnale PCC 7417 str. ATCC 29204
EU340175.1 gg_id:237315 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY
AM711529.1 gg_id:268782 Nostoc calcicola str. TH2S22
GU396091.1 gg_id:515321 Anabaena torulosa str. BF1
AM711522.1 gg_id:266459 Nostoc sp. str. Al1
AJ133161.1 gg_id:24012 Nostoc sp. str. 152
DQ185207.1 gg_id:148662 Nostoc sp. 'Mollenhauer 1:1-067' str. Mollenhauer 1:1-067
EF568905.1 gg_id:278305 Anabaena sp. str. XPORK15F
AY785313.1 gg_id:108357 Stigonematales cyanobacterium str. AEL04-Oct-6-03
AB074504.1 gg_id:80820 Calothrix brevissima str. IAM M-249
AY642569.1 gg_id:150707 and carbonate precipitation giant microbialites ly alkaline Lake Van Turkey microbiali
AB093486.1 gg_id:83776 Tolypothrix sp. str. IAM M-259
EU022706.1 gg_id:245919 Nostoc sp. SKS8
AF425995.1 gg_id:56651 Aphanizomenon sp. str. NH-5
AJ781143.1 gg_id:110879 Nodularia harveyana str. Bo53
AB187507.1 gg_id:111394 Nostoc sp. str. YK-01
EF516817.1 gg_id:221130 grassland soil clone FCPT534
AY218831.1 gg_id:81241 Cylindrospermum sp. str. CENA33
AJ544082.1 gg_id:105653 Stigonema ocellatum str. SAG 48.90
AM711544.1 gg_id:258214 Nostoc sp. str. Mau15
GU434226.1 gg_id:527300 Wollea saccata str. ACCS 045
AJ293110.1 gg_id:73220 Anabaena cf. cylindrica str. 133
AM711543.1 gg_id:267299 Nostoc sp. str. Cam2S01
FJ592869.1 gg_id:548891 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu
DQ185231.1 gg_id:145091 Nodularia harveyana 'Huebel 1983/300' str. Huebel 1983/300
AJ630426.1 gg_id:107976 Anabaena oscillarioides str. BECID22
DQ532224.1 gg_id:169488 Geographical Variation Microbial Burden and Spacecraft Assembly Johnson Space Ce
EU340174.1 gg_id:249819 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY
AB325536.1 gg_id:318589 Rivularia sp. str. IAM M-261
DQ532230.1 gg_id:166201 Geographical Variation Microbial Burden and Spacecraft Assembly Johnson Space Ce
EU009149.1 gg_id:261638 Rivularia sp. UAM 305 str. MU24 UAM-305
FJ192908.1 gg_id:312572 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior

AY218827.1	81554	14611.6	16818.2	3079.1	3982.4	4281.1	3442.8
AB325906.1	333578	998.8	2959.4	381.3	353.2	51.0	28.3
AF247595.1	28828	14334.6	18158.8	5642.5	5645.1	3919.1	4673.1
DQ897365.1	170580	26.0	320.7	31.0	48.3	49.3	29.8
AF317629.1	44470	2172.8	5635.3	677.4	185.1	60.6	45.3
DQ364237.1	157669	1350.5	3337.8	105.0	187.7	94.8	23.4
AY493624.1	178988	2235.4	3970.5	268.6	244.7	314.3	91.1
AM230668.1	198952	5871.8	8872.8	1321.4	744.5	132.5	80.9
AJ630428.1	107978	3341.4	5907.0	398.3	736.9	292.2	196.4
AF132789.1	136153	4598.3	4684.3	1079.4	259.8	56.1	31.8
EU340175.1	237315	1052.1	837.5	287.4	123.4	79.2	106.9
AM711529.1	268782	4159.7	6794.1	595.5	448.9	85.0	44.8
GU396091.1	515321	139.9	518.5	66.9	156.2	89.3	71.5
AM711522.1	266459	7573.8	8974.4	3355.4	1755.8	3863.8	736.9
AJ133161.1	24012	10186.0	10906.6	3787.8	3987.9	4793.5	2205.0
DQ185207.1	148662	15085.2	19549.1	3055.6	1454.9	783.8	1004.7
EF568905.1	278305	11587.7	13682.4	264.7	767.4	81.9	39.8
AY785313.1	108357	12910.5	18450.7	412.4	467.3	89.2	93.4
AB074504.1	80820	6622.4	6179.9	4357.2	4771.5	3598.9	4543.3
AY642569.1	150707	373.0	712.9	370.7	146.8	62.4	44.8
AB093486.1	83776	11725.3	12879.1	828.1	847.8	1127.1	512.9
EU022706.1	245919	10565.0	10103.1	8314.7	6920.1	11367.3	9639.8
AF425995.1	56651	15276.5	20609.9	1842.3	2158.4	739.4	2040.9
AJ781143.1	110879	10984.9	13297.1	4022.5	3450.1	5858.9	1515.5
AB187507.1	111394	296.5	404.6	650.8	409.7	59.7	30.1
EF516817.1	221130	11311.1	13892.7	2269.1	3675.6	6249.0	2963.5
AY218831.1	81241	6335.5	9252.1	1282.6	1554.7	639.9	430.9
AJ544082.1	105653	2855.1	3405.6	117.3	108.1	63.7	31.3
AM711544.1	258214	17427.6	17105.2	3788.7	5983.8	9359.9	6845.4
GU434226.1	527300	14896.0	16908.4	5649.7	4611.5	6456.4	5803.6
AJ293110.1	73220	1350.3	4417.6	380.8	120.9	268.0	145.5
AM711543.1	267299	17024.6	18774.5	2287.7	2750.7	703.4	679.2
FJ592869.1	548891	8945.2	13151.4	599.9	1435.2	772.0	416.7
DQ185231.1	145091	13835.6	16177.2	6688.8	6371.1	5844.2	5152.6
AJ630426.1	107976	11854.7	12451.5	566.8	588.4	204.4	518.0
DQ532224.1	169488	11338.3	10892.6	6184.9	7665.0	6118.2	4546.9
EU340174.1	249819	29.4	59.7	19.5	68.2	68.2	25.5
AB325536.1	318589	1419.7	1914.3	2091.9	791.2	428.9	528.3
DQ532230.1	166201	8071.9	7321.6	1809.9	710.9	353.4	393.7
EU009149.1	261638	4796.5	6724.5	3420.5	3200.1	1605.4	2572.3
FJ192908.1	312572	735.4	1086.1	1519.2	641.7	316.5	400.4

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Nostocophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae

o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Rivulariaceae
o__Nostocales	f__Scytonemataceae
o__Nostocales	f__Scytonemataceae
o__Nostocales	f__Scytonemataceae
o__Nostocales	f__Scytonemataceae
o__Nostocales	f__Scytonemataceae
o__Nostocales	f__unclassified
o__Stigonematales	f__
o__Stigonematales	f__
o__Stigonematales	f__Chlorogloeopsaceae
o__Stigonematales	f__Chlorogloeopsaceae
o__Stigonematales	f__Fischerellaceae
o__Stigonematales	f__Fischerellaceae
o__Stigonematales	f__Fischerellaceae
o__Chroococcales	f__Chroococcaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Cyanobacteriaceae
o__Chroococcales	f__Dermocarpellaceae
o__Chroococcales	f__Gomphosphaeriaceae
o__Chroococcales	f__Gomphosphaeriaceae
o__Chroococcales	f__Gomphosphaeriaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae

g__Rivularia
g__unclassified
g__unclassified
g__unclassified
g__Brasilonema
g__Scytonema
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__unclassified
g__unclassified
g__Chlorogloeopsis
g__Chlorogloeopsis
g__Fischerella
g__Fischerella
g__Fischerella
g__Chroococcus
g__4041AA30
g__Aphanothece
g__Cyanobacterium
g__Cyanobacterium
g__Cyanobacterium
g__Cyanobacterium
g__Cyanothece
g__Cyanothece
g__Cyanothece
g__Gloeothece
g__Halothece
g__Halothece
g__Halothece
g__unclassified
g__unclassified
g__unclassified
g__Stanieria
g__Snowella
g__unclassified
g__unclassified
g__Microcystis
g__Microcystis
g__Microcystis

s__unclassified	53564
s__unclassified	53009
s__unclassified	53147
s__unclassified	53299
s__unclassified	53222
s__unclassified	53889
s__unclassified	52999
s__unclassified	53302
s__unclassified	53340
s__unclassified	53806
s__unclassified	53431
s__unclassified	53570
s__unclassified	53748
s__unclassified	53829
s__Fischerella muscicola	53000
s__Fischerella muscicola	53368
s__unclassified	53710
s__unclassified	53390
s__unclassified	53791
s__unclassified	53153
s__unclassified	53189
s__unclassified	53277
s__unclassified	53383
s__unclassified	53562
s__unclassified	52996
s__unclassified	53348
s__unclassified	53646
s__unclassified	53844
s__unclassified	53243
s__unclassified	53948
s__unclassified	53979
s__unclassified	53077
s__unclassified	53853
s__unclassified	53934
s__unclassified	53128
s__unclassified	53388
s__unclassified	52952
s__unclassified	53726
s__Microcystis viridis	53015
s__Microcystis viridis	53043
s__Microcystis viridis	53606

EU009142.1 gg_id:261299 Genetic morphological Rivularia and Calothrix (Nostocales Cyanobacteria) running w
AM230684.1 gg_id:184879 Calothrix sp. str. CAL3363
AM230681.1 gg_id:179952 Calothrix sp. str. UKK3412
GU230463.1 gg_id:551391 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal water clone A
EF150855.2 gg_id:185766 Brasilonema octagenarum str. UFV-OR1
AY069954.1 gg_id:44224 Scytonema sp. str. U-3-3
DQ486055.1 gg_id:158785 Brasilonema bromeliae str. SPC 951
EF490447.1 gg_id:222253 Brasilonema terrestre str. CENA 116
AJ544085.1 gg_id:106108 Symphyonemopsis sp. str. VAPOR1
AJ544084.1 gg_id:105960 Symphyonema sp. str. 1517
DQ786171.1 gg_id:253968 Fischerella sp. str. MV11
AJ544078.1 gg_id:101565 Hapalosiphon sp. str. 804-1
DQ430999.1 gg_id:198758 Chlorogloeopsis sp. Greenland_4 4
AB093489.1 gg_id:83035 Chlorogloeopsis fritschii str. PCC 6912
AJ544080.1 gg_id:105355 Nostochopsis lobatus str. 92.1
AJ544081.1 gg_id:105509 Nostochopsis sp. str. 89-45
AY039703.1 gg_id:70960 Fischerella sp. str. CENA19
GQ375044.1 gg_id:565214 Chroococcus sp. str. CCALA 702
EU188123.1 gg_id:340419 Uncultivated oceanic unicellular N2-fixing cyanobacteria are picoplankton unusual 7(
AB119259.1 gg_id:93641 Aphanothece sacrum
AM258981.1 gg_id:226595 Cyanobacterium stanieri PCC 7202 str. SAG 88.79
FJ358912.1 gg_id:576348 and redox-stratified sediments marine reef sandy sediment clone AO26
AB039001.1 gg_id:29085 Synechocystis sp. str. PCC 6308
GU118753.1 gg_id:563811 Threatened Corals Provide Microbial Habitats clone Mfra_B24
AJ000710.1 gg_id:3246 Euhalothece sp. 'MPI 95AH13' str. MPI 95AH13 'MPI
AJ000709.1 gg_id:3245 Euhalothece sp. 'MPI 95AH10' str. MPI 95AH10 'MPI
AJ000708.1 gg_id:3244 Cyanothece sp. str. PCC 7418
AB067577.1 gg_id:67719 Gloeothece sp. str. KO11DG
DQ357946.1 gg_id:200320 Host specificity and phylogeography Prochlorophyte Prochloron sp. obligate symbio
EF126149.1 gg_id:175235 Polyphasic unicellular cyanobacteria Graneticolobacter lagoonensis gen. sp. nov. Mic
DQ058891.1 gg_id:160743 Halothece sp. str. PCyano42
DQ289927.1 gg_id:165105 Microbial Carbon and Nitrogen Cycling Sediments South Atlantic Bight Permeable Sh
EU249123.1 gg_id:247531 Aphanocapsa sp. str. HBC6
AJ582391.1 gg_id:106754 Rhopalodia gibba
AB039008.1 gg_id:28876 Stanieria cyanosphaera str. PCC 7437
AJ781040.1 gg_id:149911 Snowella litoralis str. 0TU37s04
BA000022.2 gg_id:137040 Synechocystis sp. str. PCC 6803
GQ375043.1 gg_id:566848 Synechocystis sp. str. CCALA 700
D89033.1 gg_id:3135 Microcystis viridis str. NIES102
DQ648029.1 gg_id:163938 Microcystis viridis str. NIES-1058
U03403.1 gg_id:3136 Microcystis aeruginosa NIES-89 str. NIES89

EU009142.1	261299	1176.9	1687.1	521.4	118.5	398.3	47.7
AM230684.1	184879	2760.9	2801.0	198.1	178.3	146.1	78.2
AM230681.1	179952	406.7	852.5	316.5	92.5	95.5	38.0
GU230463.1	551391	2214.0	3214.0	832.4	1483.3	355.5	513.3
EF150855.2	185766	14786.5	18139.3	3136.9	3457.3	2521.4	3446.6
AY069954.1	44224	81.8	68.4	113.7	80.6	4614.1	93.9
DQ486055.1	158785	5200.6	8280.6	1155.1	622.2	336.8	359.3
EF490447.1	222253	7186.3	9137.7	1952.2	3437.5	2967.8	2147.1
AJ544085.1	106108	7080.9	9752.7	780.4	496.3	340.6	92.0
AJ544084.1	105960	407.7	700.0	19.6	76.0	47.5	13.7
DQ786171.1	253968	4242.4	3508.1	371.0	289.6	2087.3	242.0
AJ544078.1	101565	2274.7	3671.8	34.6	127.9	52.3	21.0
DQ430999.1	198758	468.4	928.7	310.8	170.8	86.0	141.6
AB093489.1	83035	43.8	76.5	29.7	76.1	64.5	30.7
AJ544080.1	105355	236.4	375.9	135.4	160.0	107.5	83.4
AJ544081.1	105509	7656.8	11512.2	3845.7	1919.2	2407.1	2047.8
AY039703.1	70960	12.5	24.7	20.4	35.1	34.3	13.1
GQ375044.1	565214	11524.3	10881.3	4336.3	5925.6	3854.9	3993.2
EU188123.1	340419	5777.9	9318.7	1535.1	587.5	407.5	194.4
AB119259.1	93641	328.5	835.2	171.5	155.9	219.4	169.4
AM258981.1	226595	33.7	56.7	66.6	80.9	96.3	27.2
FJ358912.1	576348	4353.8	6384.9	1549.3	1830.7	2542.8	2828.4
AB039001.1	29085	694.0	2268.2	207.6	269.8	242.2	61.2
GU118753.1	563811	10643.2	12430.5	5009.4	3416.0	5571.1	5647.2
AJ000710.1	3246	6998.7	9680.6	2901.9	3652.9	3268.1	2916.2
AJ000709.1	3245	31.0	146.7	32.5	37.2	51.3	21.3
AJ000708.1	3244	8852.9	10368.7	4095.9	5364.8	7422.0	6659.8
AB067577.1	67719	3122.7	4686.3	497.4	127.1	165.0	272.0
DQ357946.1	200320	5730.1	5112.6	2842.8	3959.3	5320.1	4160.8
EF126149.1	175235	7595.4	7663.5	3331.3	3045.6	5761.6	5689.7
DQ058891.1	160743	21010.5	23416.7	8341.0	10028.5	17570.4	15343.2
DQ289927.1	165105	64.8	175.4	174.3	232.6	56.0	18.8
EU249123.1	247531	9429.0	7642.4	888.6	385.5	228.1	203.7
AJ582391.1	106754	2010.5	1779.6	296.0	149.3	65.5	38.4
AB039008.1	28876	2406.4	2244.4	198.7	139.5	57.0	33.2
AJ781040.1	149911	8459.1	9654.5	1041.0	296.5	249.6	238.8
BA000022.2	137040	11862.3	14161.5	139.7	209.7	65.0	25.4
GQ375043.1	566848	15740.7	16349.1	4314.5	3443.7	3253.6	2155.7
D89033.1	3135	23842.6	22141.3	7191.6	11350.5	8822.1	7175.3
DQ648029.1	163938	30133.8	28472.8	10132.2	8305.9	8666.1	9286.3
U03403.1	3136	24445.1	23038.0	9108.9	12585.0	15074.3	13668.5

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae

o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Microcystaceae
o__Chroococcales	f__Prochloraceae
o__Chroococcales	f__Prochloraceae
o__Chroococcales	f__Prochloraceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Spirulinaceae
o__Chroococcales	f__Synechococcaceae
o__Chroococcales	f__Synechococcaceae
o__Chroococcales	f__Synechococcaceae
o__Chroococcales	f__unclassified

g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__Microcystis
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Prochloron
g__Prochloron
g__unclassified
g__Spirulina
g__Spirulina
g__Spirulina
g__Spirulina
g__Spirulina
g__Spirulina
g__Spirulina
g__Spirulina
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__sfA

s__unclassified	53025
s__unclassified	53094
s__unclassified	53110
s__unclassified	53152
s__unclassified	53172
s__unclassified	53196
s__unclassified	53229
s__unclassified	53378
s__unclassified	53411
s__unclassified	53477
s__unclassified	53480
s__unclassified	53523
s__unclassified	53533
s__unclassified	53599
s__unclassified	53626
s__unclassified	53643
s__unclassified	53703
s__unclassified	53792
s__unclassified	53837
s__unclassified	53895
s__unclassified	53001
s__unclassified	53142
s__unclassified	53158
s__unclassified	53615
s__unclassified	53825
s__unclassified	53867
s__unclassified	53470
s__unclassified	53529
s__unclassified	53364
s__Spirulina subsalsa	53191
s__Spirulina subsalsa	53758
s__unclassified	53048
s__unclassified	53249
s__unclassified	53282
s__unclassified	53485
s__unclassified	53838
s__unclassified	53878
s__unclassified	53056
s__unclassified	53252
s__unclassified	53438
s__unclassified	53175

U40331.2 gg_id:3213 Microcystis sp. str. AWT139
AF139294.1 gg_id:39102 Microcystis aeruginosa str. UWOCC 017
AB012336.1 gg_id:3134 Microcystis novacekii TAC20
AB012338.1 gg_id:3170 Microcystis ichthyoblabe TAC48
FJ595698.1 gg_id:575918 Microcystis sp. str. CHAB727
EU541974.1 gg_id:569350 Microcystis panniformis str. MCYS-OB06
EU541970.1 gg_id:576831 Microcystis aeruginosa str. MCYS-LB01
AJ133171.1 gg_id:71454 Microcystis aeruginosa str. PCC 7941
AJ635434.1 gg_id:142200 Microcystis ichthyoblabe str. 0BB35S01
U40340.2 gg_id:3119 Microcystis aeruginosa PCC 7941 str. PCC7941
U03402.1 gg_id:3191 Microcystis aeruginosa PCC 7806 str. PCC7806
U40333.2 gg_id:3121 Microcystis wesenbergii NIES-107 str. NIES107
EU815063.1 gg_id:311839 Microcystis aeruginosa str. NPCD-1
AB012340.1 gg_id:3171 Microcystis aeruginosa TAC170
D89032.1 gg_id:3236 Microcystis aeruginosa str. NIES98
U40338.1 gg_id:3113 Microcystis aeruginosa PCC 7005 str. PCC7005
U40332.2 gg_id:3122 Microcystis viridis NIES-102 str. NIES102
D89031.1 gg_id:3114 Microcystis aeruginosa str. NIES87
D89034.1 gg_id:3237 Microcystis wesenbergii str. NIES111
EU541973.1 gg_id:553922 Microcystis novacekii str. MCYS-CH01
AM710389.1 gg_id:236754 Radiocystis sp. str. JJ30-3 30-3
AM710384.1 gg_id:236194 Chroococcus sp. str. JJCM Chroo-M
AB039007.1 gg_id:49254 Pleurocapsa sp. str. PCC 7327
CP001291.1 gg_id:531797 Cyanothece sp. str. PCC 7424
X78680.1 gg_id:3240 Gloeothece membranacea PCC 6501 str. PCC6501
ABVE01000002.1 gg_id:356043 Cyanothece sp. str. PCC 7822
X63141.1 gg_id:3253 Prochloron species
DQ357947.1 gg_id:202308 Host specificity and phylogeography Prochlorophyte Prochloron sp. obligate symbio
AY845229.1 gg_id:110862 Synechocystis sp. clone 36P1
AB003166.1 gg_id:3232 Spirulina subsalsa str. M-223
AF329394.1 gg_id:56680 Spirulina subsalsa str. FACHB351
AF445678.1 gg_id:74772 travertine hot spring clone SM1D12
GQ441342.1 gg_id:565917 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
GQ441247.1 gg_id:556204 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
AF091109.1 gg_id:3233 Spirulina sp. str. P7
AJ639890.1 gg_id:141039 Spirulina major str. 0BB36S18
Y18789.1 gg_id:39534 Halospirulina sp. 'MPI S3' str. MPI S3
AF448074.1 gg_id:62924 Synechococcus sp. str. UH7
DQ455751.1 gg_id:156826 Synechococcus sp. 'Salton Sea' str. Salton Sea
AB003164.1 gg_id:3125 Oscillatoria rosea str. M-220
FJ203524.1 gg_id:305855 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h

U40331.2	3213	25911.6	25228.6	10813.8	16642.1	20623.3	17442.6
AF139294.1	39102	25484.0	24131.4	8031.4	4501.6	4950.2	5733.3
AB012336.1	3134	26270.6	23817.1	5343.7	1184.4	1357.0	2338.2
AB012338.1	3170	28535.6	26012.5	7209.1	4467.1	5401.3	5852.1
FJ595698.1	575918	27442.6	25494.2	6020.9	4148.4	4858.7	4739.0
EU541974.1	569350	29344.5	27473.9	6912.1	2710.6	3317.2	3519.0
EU541970.1	576831	27340.6	25055.5	6702.0	2991.0	3172.6	3428.0
AJ133171.1	71454	27137.9	24842.2	6948.2	4284.9	5208.3	5513.7
AJ635434.1	142200	23623.6	20923.2	7544.2	4870.9	4873.6	5000.5
U40340.2	3119	25821.4	23979.8	3608.6	2159.3	2278.0	2864.1
U03402.1	3191	27726.0	24925.5	7030.2	2625.2	3929.3	4269.3
U40333.2	3121	20856.4	20564.7	2862.3	2314.2	4450.8	2957.3
EU815063.1	311839	28188.8	25611.9	7335.3	6570.9	9546.1	7730.4
AB012340.1	3171	28927.3	26523.9	7597.1	4765.7	5440.0	5900.8
D89032.1	3236	21667.3	19904.6	8165.1	3604.9	1615.9	3137.0
U40338.1	3113	28080.8	25194.2	6364.5	2344.1	3359.6	3765.8
U40332.2	3122	29434.0	26962.6	9045.9	6026.1	6466.9	7435.8
D89031.1	3114	26535.9	26246.3	14426.6	15684.6	13481.1	12763.8
D89034.1	3237	26512.7	24388.5	4213.1	2675.4	2563.4	2918.2
EU541973.1	553922	25554.4	24413.9	12817.8	11043.5	13626.2	11678.5
AM710389.1	236754	8091.2	8088.7	1350.2	742.8	668.1	393.1
AM710384.1	236194	6437.9	6764.0	2667.4	2976.7	2399.4	1995.5
AB039007.1	49254	900.0	759.8	37.4	62.1	73.5	29.9
CP001291.1	531797	7507.3	6983.1	1186.3	386.5	553.6	335.6
X78680.1	3240	12378.5	12740.8	3350.2	2973.4	1416.8	1380.6
ABVE01000002.1	356043	8474.4	7718.2	1194.1	898.1	955.0	764.8
X63141.1	3253	6110.3	6768.9	3411.2	3042.3	1475.6	1377.1
DQ357947.1	202308	2061.6	2212.8	709.5	696.9	936.0	868.6
AY845229.1	110862	6274.8	8231.0	428.4	289.1	96.3	256.9
AB003166.1	3232	25.5	59.6	20.1	62.1	67.3	31.4
AF329394.1	56680	69.3	169.4	40.3	52.0	68.9	34.7
AF445678.1	74772	2694.3	2059.2	93.8	142.2	118.3	61.4
GQ441342.1	565917	6943.5	7353.0	4412.2	4369.8	3494.7	2234.5
GQ441247.1	556204	13711.5	13123.7	12737.7	11710.2	12959.8	11462.0
AF091109.1	3233	2949.8	3655.4	351.5	338.2	150.5	65.3
AJ639890.1	141039	79.9	144.0	39.8	44.2	64.6	24.8
Y18789.1	39534	1092.4	1783.0	289.4	256.0	621.0	78.9
AF448074.1	62924	14147.1	14442.7	6754.9	1306.7	3081.5	3894.8
DQ455751.1	156826	17614.6	17128.8	8923.9	9452.5	12589.6	11118.0
AB003164.1	3125	15699.1	17594.8	2351.1	3516.4	3849.9	3244.6
FJ203524.1	305855	10873.2	12378.8	4528.8	4351.5	5645.1	4796.9

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae

o__Chroococcales	f__unclassified
o__Chroococcales	f__unclassified
o__Chroococcales	f__unclassified
o__Chroococcales	f__unclassified
o__Chroococcales	f__unclassified
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Chroococcales	f__Xenococcaceae
o__Oscillatoriales	f__Gomontiellaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae

g__sfA
g__sfB
g__sfB
g__sfC
g__sfD
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__Chroococcidiopsis
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Xenococcus
g__Xenococcus
g__unclassified
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya

s__unclassified	53341
s__unclassified	52933
s__unclassified	53935
s__unclassified	53135
s__unclassified	53205
s__unclassified	52934
s__unclassified	52935
s__unclassified	53011
s__unclassified	53013
s__unclassified	53093
s__unclassified	53111
s__unclassified	53212
s__unclassified	53254
s__unclassified	53265
s__unclassified	53283
s__unclassified	53331
s__unclassified	53369
s__unclassified	53499
s__unclassified	53554
s__unclassified	53559
s__unclassified	53574
s__unclassified	53601
s__unclassified	53656
s__unclassified	53670
s__unclassified	53711
s__unclassified	53741
s__unclassified	53749
s__unclassified	53870
s__unclassified	53893
s__unclassified	52975
s__unclassified	53082
s__unclassified	53376
s__unclassified	53579
s__unclassified	53720
s__unclassified	53380
s__unclassified	53650
s__unclassified	53663
s__Lyngbya bouillonii	53083
s__Lyngbya bouillonii	53316
s__Lyngbya bouillonii	53353
s__Lyngbya bouillonii	53434

FJ202199.1 gg_id:331217 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k
AF132784.1 gg_id:136187 Gloeocapsa sp. str. PCC 73106
GQ340127.1 gg_id:587573 Prokaryotic Marathonas Reservoir Greece water column clone B07-41-BAC
EF429517.2 gg_id:210875 Thermophilic microbial mats tropical geothermal location display pronounced season
AY493599.1 gg_id:190488 Chondrocystis sp. ANT.LH59B.1
EU409845.1 gg_id:554144 microbial fouling painted and unpainted structures outdoor concrete surfaces clone
EF522288.1 gg_id:227059 Endolithic Microbial Ecosystems Rocky Mountain endolithic sandstone clone FQSS06
GQ129887.1 gg_id:427017 Genetic inventory 'JPL-SAF' during MSL mission spacecraft assembly clean room floc
FJ595625.1 gg_id:536201 rock Black Canyon New Mexico: and Geochemistry varnish covered rocks clone V22_
DQ471449.1 gg_id:159374 unicellular thermophilic cyanobacterium tBTRCCn 23
EU134272.1 gg_id:250650 tallgrass prarie soil clone FFCH11821
AJ344553.1 gg_id:34564 Chroococcidiopsis sp. BB82.3 str. SAG 2024 BB82.3
DQ471448.1 gg_id:159142 unicellular thermophilic cyanobacterium tBTRCCn 28
DQ914865.2 gg_id:172573 Chroococcidiopsis sp. str. CC3
DQ532182.1 gg_id:167334 Geographical Variation Microbial Burden and Spacecraft Assembly Johnson Space Ce
EF032781.1 gg_id:182352 cyanobacterial mat in lava cave clone HAVOmat11
AJ344555.1 gg_id:35765 Chroococcidiopsis sp. BB96.1 str. SAG 2026 BB96.1
FJ595626.1 gg_id:560231 rock Black Canyon New Mexico: and Geochemistry varnish covered rocks clone V23_
EF522222.1 gg_id:224846 Endolithic Microbial Ecosystems Rocky Mountain endolithic sandstone clone FQSS00
FJ890996.1 gg_id:540977 Hypolithic structure hyperaird core Atacama Desert quartz clone AY1_7
AM746687.1 gg_id:241102 etiology rosy discoloration ancient wall paintings rosy-discoloured mural clone A9
GQ009385.1 gg_id:500280 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ214113.1 gg_id:583323 China loess clone P913
DQ914863.2 gg_id:166256 Chroococcidiopsis sp. str. CC1
GQ092934.1 gg_id:429375 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw407a02c
GQ087815.1 gg_id:386885 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw359a0
AB177177.1 gg_id:129771 seafloor methane hydrate clone ODP1230B22.23
GQ002512.1 gg_id:507150 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu
DQ451473.1 gg_id:156813 forest soil clone FAC34
X78681.1 gg_id:3207 Pleurocapsa sp. PCC 7516 str. PCC7516
AB039009.1 gg_id:46080 Stanieria sp. str. PCC 7301
AJ344556.1 gg_id:24838 Chroococcidiopsis sp. str. CCMP1489
AJ344557.1 gg_id:24455 Chroococcidiopsis sp. str. PCC 6712
AJ344562.1 gg_id:45178 Myxosarcina sp. str. SAG 30.84; PCC 7325
FJ358911.1 gg_id:534175 and redox-stratified sediments marine reef sandy sediment clone SO78
EF208682.1 gg_id:200249 Vertical and horizontal structure microbial sandy carbonate sediment clone CI5cm.B1
AB115964.1 gg_id:244883 Crinalium epipsammum str. SAG 22.89
FJ356670.1 gg_id:535815 Lyngbya majuscula str. PNG6-221
GQ231522.1 gg_id:587135 Lyngbya majuscula str. PAL-8-17-08-2
FJ147301.1 gg_id:324649 Lyngbya polychroa str. PNG6-68 B
FJ147304.1 gg_id:343887 Lyngbya polychroa str. PNG6-45

FJ202199.1	331217	73.2	87.4	24.4	46.7	100.3	40.6
AF132784.1	136187	413.6	836.3	106.6	102.6	92.4	84.1
GQ340127.1	587573	3113.2	4864.1	2210.3	786.6	2137.0	2514.3
EF429517.2	210875	4232.8	3143.3	123.3	81.3	55.2	25.2
AY493599.1	190488	14847.7	14030.1	525.7	563.4	230.2	559.3
EU409845.1	554144	4140.8	7011.1	1364.6	1095.4	528.4	383.0
EF522288.1	227059	9803.1	10808.2	4440.6	3876.9	5637.7	5555.9
GQ129887.1	427017	11613.4	13849.1	3666.8	7794.9	5707.1	5932.5
FJ595625.1	536201	11181.3	10350.0	4729.0	5982.0	10176.9	9322.0
DQ471449.1	159374	14037.8	14316.2	4257.6	11613.8	12796.6	11351.4
EU134272.1	250650	13737.0	15964.4	7380.6	10207.9	14488.7	12304.6
AJ344553.1	34564	121.0	291.5	158.7	118.6	69.3	35.1
DQ471448.1	159142	7983.3	8731.7	3155.9	3851.1	295.2	382.9
DQ914865.2	172573	704.6	1057.0	210.2	117.3	120.3	38.3
DQ532182.1	167334	4199.8	8913.0	1233.8	1240.4	352.7	226.4
EF032781.1	182352	33.9	65.9	52.7	84.4	86.5	42.5
AJ344555.1	35765	89.2	166.7	491.4	414.9	134.4	67.7
FJ595626.1	560231	22594.5	21913.1	5162.6	5937.6	7530.2	7268.2
EF522222.1	224846	11765.5	10878.7	1194.6	2126.2	2236.1	1661.8
FJ890996.1	540977	3043.0	5846.1	1896.5	1672.0	2621.5	74.5
AM746687.1	241102	10500.4	10175.6	6513.6	6200.0	5367.5	2429.1
GQ009385.1	500280	8067.9	10073.4	2300.8	5270.5	8005.1	5272.7
GQ214113.1	583323	10974.8	11319.4	3519.9	943.6	3317.3	1128.5
DQ914863.2	166256	62.9	126.2	97.6	66.1	75.7	38.0
GQ092934.1	429375	1051.4	2358.7	1219.5	438.1	1322.5	65.7
GQ087815.1	386885	7706.3	10727.3	4750.2	3250.6	9589.7	5159.7
AB177177.1	129771	4708.4	5700.1	2704.3	2602.5	1007.8	1311.1
GQ002512.1	507150	2671.9	3173.1	535.8	810.2	1228.2	661.0
DQ451473.1	156813	5557.2	6742.7	2292.1	3703.9	1221.2	1898.2
X78681.1	3207	1244.1	1579.2	832.1	428.1	1461.8	1081.2
AB039009.1	46080	2193.5	4227.2	1362.0	2105.8	5127.1	2502.7
AJ344556.1	24838	115.3	252.3	25.7	68.4	64.1	26.0
AJ344557.1	24455	1312.3	1039.0	80.3	154.7	93.1	96.9
AJ344562.1	45178	13395.1	11719.4	478.0	121.3	68.0	40.8
FJ358911.1	534175	2146.4	2752.9	1782.3	2789.2	2480.9	1298.1
EF208682.1	200249	1577.5	1008.6	1061.6	1940.7	2445.3	680.5
AB115964.1	244883	8040.7	9330.4	5832.1	5537.4	5362.3	5769.7
FJ356670.1	535815	7874.9	9178.8	1244.4	1609.8	1467.2	625.1
GQ231522.1	587135	6294.1	7497.9	1128.1	1222.8	917.8	218.5
FJ147301.1	324649	19669.0	18166.2	8696.8	11396.5	14099.7	12192.7
FJ147304.1	343887	6639.1	7016.0	2493.8	3035.0	2063.3	3374.7

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae

o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Oscillatoriaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae

g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Lyngbya
g__Oscillatoria
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Arthrospira
g__Geitlerinema
g__Geitlerinema
g__Hydrocoleum
g__Hydrocoleum
g__Hydrocoleum
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Microcoleus
g__Oscillatoria
g__Oscillatoria
g__Oscillatoria

s__Lyngbya bouillonii	53549
s__Lyngbya bouillonii	53648
s__Lyngbya bouillonii	53802
s__Lyngbya bouillonii	53842
s__unclassified	53251
s__unclassified	53381
s__unclassified	53489
s__unclassified	53649
s__unclassified	52950
s__Arthrospira fusiformis	53074
s__Arthrospira fusiformis	53200
s__unclassified	53046
s__unclassified	53130
s__unclassified	53255
s__unclassified	53291
s__unclassified	53398
s__unclassified	53401
s__unclassified	53698
s__unclassified	53815
s__unclassified	53841
s__unclassified	53864
s__Geitlerinema sp. BBD	53185
s__unclassified	53306
s__unclassified	53410
s__unclassified	53633
s__unclassified	53794
s__Microcoleus chthonoplastes	52960
s__Microcoleus chthonoplastes	53621
s__Microcoleus chthonoplastes	53964
s__Microcoleus vaginatus	53284
s__unclassified	53100
s__unclassified	53217
s__unclassified	53396
s__unclassified	53530
s__unclassified	53563
s__unclassified	53584
s__unclassified	53745
s__unclassified	53908
s__Oscillatoria spongeliae	53714
s__unclassified	52941
s__unclassified	53494

FJ151518.1 gg_id:303695 Lyngbya bouillonii str. PNG7-63
GU111927.1 gg_id:557049 Lyngbya bouillonii str. PAL08-16
GU182894.1 gg_id:563032 Lyngbya bouillonii str. PAL08-16
FJ151528.1 gg_id:332922 Lyngbya bouillonii str. PNG7-29.1
EU315909.1 gg_id:248466 Lyngbya majuscula str. 3L
FJ151521.1 gg_id:353441 Lyngbya majuscula str. JHB
FJ151527.1 gg_id:344676 Lyngbya majuscula str. 3L B
FJ147302.1 gg_id:343319 Lyngbya bouillonii str. PNG6-41
AB298443.1 gg_id:206639 Oscillatoria kawamurae str. icclb20060001
AY672723.1 gg_id:108994 Arthrospira fusiformis str. AICB 669
EF432315.1 gg_id:271081 Arthrospira platensis str. Sp-12
DQ393279.1 gg_id:153397 Arthrospira platensis str. NIES 39
EF564663.1 gg_id:224023 Arthrospira maxima str. FACHB438
EF222475.1 gg_id:207971 Arthrospira platensis str. CG590
DQ279773.1 gg_id:144559 Spirulina platensis str. Sp-4
EF432311.1 gg_id:258261 Arthrospira platensis str. Sp-4
AY575933.1 gg_id:106421 Phormidium cf. terebriformis str. AB2002/07
DQ393280.1 gg_id:152513 Arthrospira platensis str. UTEX 2340
EF432317.1 gg_id:262022 Arthrospira platensis str. Sp-15
DQ279769.1 gg_id:141269 Spirulina platensis str. Sp-9
EF432319.1 gg_id:265464 Arthrospira platensis str. Sp-17
EF154084.1 gg_id:241791 Geitlerinema sp. str. W-1
AF132780.1 gg_id:136142 Geitlerinema sp. str. PCC 7105
EU244875.1 gg_id:247111 Oscillatoria nigroviridis str. 3LOSC
EU249124.1 gg_id:252166 Hydrocoleum lyngbya subsp. str. HBC7
AF132933.1 gg_id:74791 Oscillatoria sancta str. PCC 7515
GQ441298.1 gg_id:560803 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
EF654042.1 gg_id:279562 Microcoleus chthonoplastes SA18
EF654034.1 gg_id:278990 Microcoleus chthonoplastes GNP5
EF654062.1 gg_id:278966 Microcoleus vaginatus CJI-U2-KK1
EF580970.1 gg_id:279122 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1:
DQ493874.1 gg_id:159802 Phormidium autumnale str. Ant-Ph68
FJ866615.1 gg_id:567709 submerged sinkhole ecosystems sediment clone AM-20-10
AF218373.1 gg_id:51024 Phormidium subfuscum str. UTCC474
DQ181701.1 gg_id:163111 Biogeographical and ecological ranges benthic cyanobacteria East Antarctic lakes mi
DQ493873.2 gg_id:160601 Phormidium autumnale str. Arct-Ph5
FJ866616.1 gg_id:587732 submerged sinkhole ecosystems sediment clone TS-36-39
FJ866617.1 gg_id:509463 submerged sinkhole ecosystems sediment clone AM-20-36
GQ131852.1 gg_id:373820 Oscillatoria sp. str. Ck2
FJ516843.1 gg_id:533121 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled lower s
DQ917838.1 gg_id:224272 Microbial profiles bleached and wild-type Muricea elongata Oscillatoria clone BME1

FJ151518.1	303695	8790.0	8529.1	1784.1	1837.4	1902.4	1068.6
GU111927.1	557049	9766.4	8993.5	1351.1	822.3	1701.3	1087.9
GU182894.1	563032	7666.4	9196.0	1485.4	1408.0	1578.7	1084.1
FJ151528.1	332922	9069.8	8350.8	1866.8	1388.9	2558.5	1854.5
EU315909.1	248466	12824.4	13241.2	3509.0	3991.9	4850.9	2950.8
FJ151521.1	353441	7371.3	6808.2	2677.3	3931.0	4004.7	3846.7
FJ151527.1	344676	7242.8	8808.2	1552.3	1610.8	1414.9	1464.7
FJ147302.1	343319	9561.9	8718.5	2213.4	2558.6	2499.8	1748.1
AB298443.1	206639	4516.9	3235.7	81.4	127.9	66.9	39.4
AY672723.1	108994	2704.8	4442.3	392.7	252.8	539.1	302.6
EF432315.1	271081	13074.4	12245.2	12850.6	9044.3	6726.3	8502.4
DQ393279.1	153397	7371.8	8534.6	3934.7	4063.1	3768.1	3340.6
EF564663.1	224023	6486.9	7738.1	3978.6	3571.3	5605.3	4749.1
EF222475.1	207971	15435.0	13015.2	9108.9	6108.8	6420.6	6742.0
DQ279773.1	144559	14799.6	15506.0	6536.3	5854.8	8085.4	7616.1
EF432311.1	258261	6318.3	6922.5	2559.3	2350.5	2983.2	2829.6
AY575933.1	106421	4601.4	6161.3	1546.4	1739.7	1384.8	1717.6
DQ393280.1	152513	15378.5	15152.4	11631.8	9781.1	12455.1	11897.7
EF432317.1	262022	4819.9	5503.1	2648.2	2340.6	2977.7	3334.0
DQ279769.1	141269	10888.3	11912.5	4514.8	4833.4	5060.8	4437.1
EF432319.1	265464	14976.1	16300.6	10974.7	9908.0	11446.0	10965.6
EF154084.1	241791	8775.5	8881.0	5367.8	5477.0	6072.1	4843.1
AF132780.1	136142	8120.3	8040.2	2312.0	1859.1	4647.6	2201.7
EU244875.1	247111	14924.2	13209.8	3342.2	4322.1	4816.1	7025.0
EU249124.1	252166	6532.4	7970.3	838.8	570.8	584.0	466.3
AF132933.1	74791	15540.7	15804.4	2988.9	3127.2	5217.8	3101.9
GQ441298.1	560803	11900.2	11317.5	3094.2	1377.3	1142.6	1527.0
EF654042.1	279562	589.7	827.9	66.1	110.3	58.8	40.3
EF654034.1	278990	586.7	1024.9	64.0	95.1	51.9	36.5
EF654062.1	278966	1364.2	1940.2	4692.7	300.2	994.7	656.1
EF580970.1	279122	3230.6	3488.9	2860.2	2522.9	5359.8	5035.7
DQ493874.1	159802	7231.0	9212.2	3433.8	3818.5	5082.2	3608.0
FJ866615.1	567709	11161.3	10059.0	1080.1	589.9	172.5	505.6
AF218373.1	51024	7509.5	8353.3	2841.4	3674.7	5782.5	4739.7
DQ181701.1	163111	4265.8	8138.4	1304.3	1215.9	3379.0	3407.2
DQ493873.2	160601	9592.2	10394.4	3068.6	3752.6	5828.2	4638.4
FJ866616.1	587732	15140.2	15620.8	8301.6	6296.8	6641.8	6873.1
FJ866617.1	509463	15148.7	18412.1	3519.7	6905.3	10062.5	8601.3
GQ131852.1	373820	277.5	626.7	144.0	176.4	53.4	15.3
FJ516843.1	533121	7269.4	7275.8	4134.1	4083.2	5452.5	5071.1
DQ917838.1	224272	6095.3	7644.1	1694.8	2787.7	3875.2	2936.8

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae

o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae

g__Oscillatoria
g__Oscillatoria
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Phormidium
g__Planktothricoides
g__Planktothricoides
g__Planktothricoides
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Planktothrix
g__Symploca
g__Symploca
g__Symploca
g__Symploca
g__Trichodesmium
g__Trichodesmium
g__Trichodesmium
g__Trichodesmium

s__unclassified	53518
s__unclassified	53657
s__Phormidium animale	53678
s__Phormidium animale	53937
s__Phormidium murrayi	53223
s__unclassified	52977
s__unclassified	53076
s__unclassified	53091
s__unclassified	53177
s__unclassified	53235
s__unclassified	53258
s__unclassified	53280
s__unclassified	53407
s__unclassified	53503
s__unclassified	53566
s__unclassified	53607
s__unclassified	53706
s__unclassified	53766
s__Planktothricoides raciborskii	53734
s__unclassified	53178
s__unclassified	53982
s__Planktothrix agardhii	53007
s__Planktothrix agardhii	53834
s__Planktothrix mougeotii	53163
s__Planktothrix pseudagardhii	53105
s__unclassified	52981
s__unclassified	53090
s__unclassified	53129
s__unclassified	53416
s__unclassified	53685
s__unclassified	53807
s__unclassified	53972
s__unclassified	53974
s__unclassified	53242
s__unclassified	53567
s__unclassified	53818
s__unclassified	53962
s__Trichodesmium erythraeum	53453
s__unclassified	53016
s__unclassified	53616
s__unclassified	53978

X84812.1 gg_id:3206 Oscillatoria corallinae str. CJ1 SAG8.92
FJ210722.2 gg_id:585449 Pseudoscillatoria coralii str. BgP10_4S
GQ441317.1 gg_id:582612 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
GQ441277.1 gg_id:564213 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
AY493626.1 gg_id:176055 Phormidium murrayi ANT.PENDANT.1
DQ129355.1 gg_id:137925 microarray level air two cities Texas urban aerosol clone AKIW1097
EF654090.1 gg_id:278136 Microcoleus paludosus str. SAG 1449-1a
AJ630647.1 gg_id:99755 Oscillatoriales cyanobacterium str. UVFP3
AB003167.1 gg_id:3094 Phormidium ambiguum str. M-71
EF516628.1 gg_id:225760 grassland soil clone FCPP724
GQ055321.1 gg_id:443892 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1113g(
AY493600.1 gg_id:194616 Phormidium pseudopristleyi ANT.ACEV5.3
EF654029.1 gg_id:278185 Microcoleus sp. DAI
EF654061.1 gg_id:278544 Pseudanabaenaceae cyanobacterium ANP1-KK1
GQ397065.1 gg_id:539845 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s
FJ230826.1 gg_id:323974 Microclimate and limits photosynthesis cyanobacteria Northern Australia hypolithic s
GQ055495.1 gg_id:415943 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1116c(
EF654086.1 gg_id:279188 Phormidium uncinatum str. SAG 81.79
AB045964.1 gg_id:58435 Planktothricoides raciborskii str. OR1-1
AJ548503.1 gg_id:82269 Phormidium sp. ETS-05
AB045962.1 gg_id:58436 Planktothricoides raciborskii str. NSLA3
FJ184409.1 gg_id:580239 Planktothrix agardhii str. HAB645
AB074507.1 gg_id:80934 Planktothrix agardhii str. IAM M-244
FJ184392.1 gg_id:509807 Planktothrix mougeotii str. HAB002
AB045966.1 gg_id:55562 Planktothrix pseudagardhii str. T19-6'-8
AB045965.1 gg_id:56026 Planktothrix pseudagardhii str. T19-6'-6
FJ184441.1 gg_id:544314 Planktothrix pseudagardhii str. HAB417
AB045939.1 gg_id:58457 Planktothrix agardhii str. NIVA CYA 59
AJ630646.1 gg_id:112426 Planktothrix sp. UVFP1
FJ184390.1 gg_id:542883 Planktothrix pseudagardhii str. HAB414
GQ351566.1 gg_id:560624 Planktothrix sp. str. PCC 9214
AB045943.1 gg_id:55281 Planktothrix agardhii str. NIVA CYA 68
CP000117.1 gg_id:138904 Anabaena variabilis str. ATCC 29413
AB039021.1 gg_id:36962 Symploca atlantica str. PCC 8002
AY032932.1 gg_id:45181 Symploca sp. str. VP642a
GU118223.1 gg_id:577015 Threatened Corals Provide Microbial Habitats clone Dstr_K13
EU249122.1 gg_id:239727 Symploca sp. str. HBC5
AABK04000002.1 gg_id:137926 Trichodesmium erythraeum str. IMS101
AF091322.1 gg_id:3050 Trichodesmium hildebrandtii str. puff
AF013028.1 gg_id:3054 Trichodesmium contortum
AF013029.1 gg_id:3053 Trichodesmium tenue

X84812.1	3206	4581.4	4717.8	3127.3	1500.1	2784.0	2181.5
FJ210722.2	585449	116.1	280.0	39.9	129.3	72.6	32.7
GQ441317.1	582612	15958.3	17753.1	7881.2	10626.4	10416.8	9775.6
GQ441277.1	564213	19154.1	21402.6	10598.1	10522.1	14004.9	13085.3
AY493626.1	176055	1098.4	864.6	410.4	1018.4	60.4	92.6
DQ129355.1	137925	2545.5	2119.9	48.4	164.9	90.0	33.0
EF654090.1	278136	19523.1	19808.1	3312.7	5444.5	3261.6	3860.3
AJ630647.1	99755	149.0	269.8	69.6	86.8	82.6	39.4
AB003167.1	3094	258.8	238.2	33.2	66.8	74.4	27.3
EF516628.1	225760	71.6	188.6	29.7	222.9	88.6	66.3
GQ055321.1	443892	8980.2	11919.4	2659.3	2264.3	3522.2	1854.0
AY493600.1	194616	2139.3	2425.7	805.8	873.8	1683.6	1492.5
EF654029.1	278185	19113.8	20088.8	3006.5	3677.4	1392.8	2979.0
EF654061.1	278544	3108.5	3833.2	360.1	401.1	374.4	593.4
GQ397065.1	539845	6277.5	7759.5	5433.8	2376.5	3992.4	3792.1
FJ230826.1	323974	9974.2	11514.4	3954.2	2330.7	5578.0	3841.4
GQ055495.1	415943	13916.0	15574.0	6418.2	8449.8	10201.3	8895.1
EF654086.1	279188	8211.3	9682.2	2870.5	1332.9	1893.9	1653.5
AB045964.1	58435	186.0	484.2	196.8	166.9	162.0	79.1
AJ548503.1	82269	1447.4	1529.8	155.2	403.7	1020.9	198.0
AB045962.1	58436	459.8	800.2	423.9	241.5	160.6	139.3
FJ184409.1	580239	10465.7	14273.2	5979.3	4469.2	3657.7	2927.7
AB074507.1	80934	6876.7	11456.5	4279.8	3746.1	4736.2	3448.2
FJ184392.1	509807	1514.8	5862.4	934.6	654.4	1277.3	437.5
AB045966.1	55562	8484.4	11152.0	1981.2	1885.3	1885.0	1118.8
AB045965.1	56026	5775.8	8116.9	2302.2	1741.3	6211.6	1039.0
FJ184441.1	544314	11825.7	14313.9	6317.6	4840.2	5796.2	3191.5
AB045939.1	58457	6375.6	11464.7	2931.3	4084.4	2370.2	2385.2
AJ630646.1	112426	14049.8	19053.5	7122.2	5868.4	4905.8	4410.6
FJ184390.1	542883	5255.0	8301.7	5043.6	2839.3	3296.3	2568.7
GQ351566.1	560624	19621.9	19984.3	6969.8	7004.4	5381.0	4313.4
AB045943.1	55281	8278.7	12477.4	4581.6	3749.1	3638.3	2801.8
CP000117.1	138904	27991.3	30511.5	16685.0	17490.7	14509.4	13774.0
AB039021.1	36962	4012.8	4836.4	778.7	700.1	1898.0	1222.2
AY032932.1	45181	2563.3	6725.8	2528.6	1778.5	2200.6	1739.8
GU118223.1	577015	11028.1	13501.2	4198.2	6270.6	5086.7	4653.9
EU249122.1	239727	16275.0	15056.9	5053.3	3948.0	3493.8	3133.2
AABK04000002.1	137926	11704.0	10895.3	2733.6	3156.6	1621.4	3821.9
AF091322.1	3050	12813.7	11952.8	3827.3	2629.3	3942.3	4019.5
AF013028.1	3054	10437.7	10184.1	2024.5	1875.5	2956.0	1966.0
AF013029.1	3053	13633.8	12266.1	3237.1	2283.8	1170.3	1297.0

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Oscillatoriophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__S15B-MN24
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae

o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__Phormidiaceae
o__Oscillatoriales	f__unclassified
o__Oscillatoriales	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Z4MB24
g__sfA
g__sfB
g__sfA
g__sfA
g__sfB
g__sfB
g__sfA
g__sfA
g__sfB
g__sfB
g__sfC
g__sfD
g__sfE
g__sfF
g__Arthronema
g__Arthronema
g__Halomicronema
g__Halomicronema
g__Halomicronema
g__Halomicronema
g__Halomicronema
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya

s__unclassified	53227
s__unclassified	53260
s__unclassified	53354
s__unclassified	53395
s__unclassified	53597
s__unclassified	53814
s__unclassified	53936
s__unclassified	53754
s__unclassified	53114
s__unclassified	53236
s__unclassified	53339
s__unclassified	53370
s__unclassified	53160
s__unclassified	53967
s__unclassified	53545
s__unclassified	53702
s__unclassified	53830
s__unclassified	53955
s__unclassified	53696
s__unclassified	53733
s__unclassified	53108
s__unclassified	53661
s__unclassified	53492
s__unclassified	53677
s__unclassified	52937
s__unclassified	53078
s__unclassified	53285
s__unclassified	53436
s__unclassified	53672
s__Leptolyngbya antarctica	53366
s__Leptolyngbya frigida	53148
s__unclassified	52984
s__unclassified	53051
s__unclassified	53115
s__unclassified	53136
s__unclassified	53143
s__unclassified	53146
s__unclassified	53156
s__unclassified	53164
s__unclassified	53179
s__unclassified	53215

FJ902622.1 gg_id:513156 phreatic limestone sinkholes northeastern Mexico biofilm 1m deep hydrothermal ver
EF654044.1 gg_id:278461 Oscillatoriales cyanobacterium 'Schier' Schier
DQ446127.2 gg_id:163072 Surface Mucopolysaccharide Layer and Band Microbial Mat Black Band-Diseased Sid
FM995184.1 gg_id:574890 digestive gland QX infected and naive Sydney rock oysters Saccostrea glomerata cya
AY599507.1 gg_id:107506 Lyngbya cf. confervoides VP0401
AB039013.1 gg_id:40937 Lyngbya aestuarii str. PCC 7419
FM242281.1 gg_id:307381 sequences sediment clone 56 T0h-oil
FJ484881.1 gg_id:513919 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator
AY423710.1 gg_id:103589 Geitlerinema carotinosum str. AICB 37
EU445293.1 gg_id:263124 Schizothrix sp. str. PNG5-22
FJ891017.1 gg_id:509617 Hypolithic structure hyperaird core Atacama Desert quartz clone AY5_6
EF032788.1 gg_id:193533 cyanobacterial mat in lava cave clone HAVOmat46
FJ230829.1 gg_id:355265 Microclimate and limits photosynthesis cyanobacteria Northern Australia hypolithic s
FJ595531.1 gg_id:558201 rock Black Canyon New Mexico: and Geochemistry rocks no varnish clone NV43_2f1
DQ847441.1 gg_id:167052 human forearm skin clone GL2-53
GQ094019.1 gg_id:442222 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
AJ583205.1 gg_id:94666 radioactive site ground water clone S15D-MN45
AB487357.1 gg_id:592973 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0
AY921818.1 gg_id:112746 farm soil clone AKYG461
EU276547.1 gg_id:368210 -DGGE and Approaches Analyze Effect Agricultural Practices on Soil agricultural soil c
EF516816.1 gg_id:224477 grassland soil clone FCPU649
AY853673.1 gg_id:110474 napthalene-contaminated soil clone 30
AB115966.1 gg_id:239741 Arthronema africanum str. SAG 12.89
GQ848192.1 gg_id:579823 Leptolyngbya sp. str. BN43
AB115963.1 gg_id:252241 Phormidium persicinum str. SAG 80.79
EU196364.1 gg_id:369012 filamentous cyanobacterium str. FLK9
DQ786167.1 gg_id:257398 filamentous cyanobacterium str. LLi71
AF320093.1 gg_id:49604 Halomicronema excentricum str. TFEP1
GU118716.1 gg_id:582814 Threatened Corals Provide Microbial Habitats clone Mfra_D07
AY493607.1 gg_id:196605 Leptolyngbya antarctica ANT.LH18.1
AY493612.1 gg_id:199630 Leptolyngbya frigida ANT.LH52B.3
AY493590.1 gg_id:188868 Leptolyngbya antarctica ANT.FIRELIGHT.1
AJ133106.1 gg_id:38561 Oscillatoria sp
DQ181680.1 gg_id:172516 Biogeographical and ecological ranges benthic cyanobacteria East Antarctic lakes mi
EU022730.1 gg_id:240402 Calothrix sp. KVSF5
EU255703.1 gg_id:568166 serpentinized spring water freshwater mesophilic microbial mat clone Mat-CYANO-S
AY493583.1 gg_id:177850 Pseudophormidium sp. ANT.PROGRESS2.2
AY493574.1 gg_id:184548 Leptolyngbya frigida ANT.LH70.1
GU213189.1 gg_id:592401 Aerobic Heterotrophic and Their Role Polyhydroxyalkanoate Dynamics Microbial Ma
GU118858.1 gg_id:548460 Threatened Corals Provide Microbial Habitats clone Mfra_H11
DQ889899.1 gg_id:166453 natural product producing octocoral Erythropodium caribaeorum cyanobacterium cl

FJ902622.1	513156	12778.8	12138.0	1663.4	879.3	543.6	899.5
EF654044.1	278461	1744.1	1868.4	209.0	98.6	65.6	27.3
DQ446127.2	163072	213.4	473.1	453.8	263.8	185.3	263.1
FM995184.1	574890	2759.0	4443.1	1863.4	969.5	897.8	1709.3
AY599507.1	107506	500.0	802.8	222.7	196.7	272.6	150.9
AB039013.1	40937	6787.3	5894.3	1490.5	396.3	1313.4	1746.4
FM242281.1	307381	15873.0	15236.5	6781.7	6674.9	3089.2	4388.5
FJ484881.1	513919	2262.9	3207.5	1184.9	2012.6	2557.3	2817.3
AY423710.1	103589	1602.7	1832.3	397.8	120.3	83.5	79.9
EU445293.1	263124	6831.8	8146.4	3173.4	1914.9	1293.1	4106.4
FJ891017.1	509617	3340.5	4770.4	2107.6	1981.3	3106.7	3823.2
EF032788.1	193533	520.3	393.1	14.4	47.6	45.5	13.8
FJ230829.1	355265	15041.3	13794.8	2877.3	3410.9	3927.7	4223.1
FJ595531.1	558201	11636.9	10341.1	2883.3	4367.2	2532.6	3600.3
DQ847441.1	167052	7847.0	7938.8	4050.4	5651.2	4494.6	5583.0
GQ094019.1	442222	12361.1	12942.7	3958.1	7125.5	8642.6	6273.8
AJ583205.1	94666	33.6	63.4	354.3	68.6	121.7	65.7
AB487357.1	592973	12889.4	14685.5	10468.4	8954.3	10945.1	11105.6
AY921818.1	112746	43.8	56.3	771.9	80.7	390.6	448.1
EU276547.1	368210	4316.5	6043.8	3914.9	3129.9	3151.2	3406.0
EF516816.1	224477	1163.4	848.0	230.1	148.7	83.0	110.7
AY853673.1	110474	75.8	168.3	159.4	152.8	85.1	54.8
AB115966.1	239741	1936.0	1696.3	548.1	1981.1	342.1	161.2
GQ848192.1	579823	967.1	1821.5	2045.3	880.8	1820.2	1653.1
AB115963.1	252241	290.8	280.4	382.5	213.7	682.6	170.1
EU196364.1	369012	6301.7	6058.9	1497.6	1538.6	2090.6	502.0
DQ786167.1	257398	4904.5	5944.4	2120.2	1386.9	637.9	856.8
AF320093.1	49604	41.1	125.8	45.1	128.7	69.0	31.9
GU118716.1	582814	11595.0	17417.8	5509.9	5498.6	7006.6	5961.7
AY493607.1	196605	2136.2	3281.3	1499.0	1864.2	1819.3	2215.2
AY493612.1	199630	4667.8	3977.2	291.3	294.0	264.2	78.4
AY493590.1	188868	21.4	299.7	160.1	63.4	64.5	21.1
AJ133106.1	38561	9405.1	5683.6	801.3	920.6	62.6	52.6
DQ181680.1	172516	30.1	38.7	19.2	34.9	62.9	21.3
EU022730.1	240402	4628.9	4070.6	664.0	381.7	799.7	341.8
EU255703.1	568166	12170.1	13772.7	9419.8	9642.2	11623.7	11482.6
AY493583.1	177850	257.5	312.9	53.6	87.2	67.1	73.7
AY493574.1	184548	1284.0	1342.6	211.0	133.9	125.4	245.3
GU213189.1	592401	19623.1	20244.7	10407.3	10926.2	10252.1	12040.8
GU118858.1	548460	4955.1	6132.0	1407.6	1063.1	634.1	1036.3
DQ889899.1	166453	377.3	1002.0	109.2	171.0	73.3	129.2

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae

o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae

g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Leptolyngbya
g__Limnothrix
g__Limnothrix
g__Prochlorothrix
g__Prochlorothrix
g__Prochlorothrix
g__Prochlorothrix
g__Pseudana-Phormidium
g__Pseudana-Phormidium
g__Pseudanabaena
g__Pseudanabaena
g__Pseudanabaena
g__Pseudanabaena
g__Pseudanabaena
g__Pseudanabaena

s__unclassified	53231
s__unclassified	53238
s__unclassified	53240
s__unclassified	53317
s__unclassified	53397
s__unclassified	53408
s__unclassified	53409
s__unclassified	53536
s__unclassified	53542
s__unclassified	53551
s__unclassified	53592
s__unclassified	53617
s__unclassified	53636
s__unclassified	53705
s__unclassified	53730
s__unclassified	53743
s__unclassified	53747
s__unclassified	53763
s__unclassified	53769
s__unclassified	53845
s__unclassified	53865
s__unclassified	53899
s__unclassified	53918
s__unclassified	53932
s__unclassified	53954
s__unclassified	53965
s__unclassified	53969
s__Limnothrix redekei	53777
s__unclassified	53883
s__Prochlorothrix hollandica	53552
s__unclassified	52994
s__unclassified	53106
s__unclassified	53796
s__Phormidium priestleyi	52997
s__Phormidium priestleyi	53926
s__Pseudanabaena sp. PCC 6903	53027
s__Pseudanabaena sp. PCC 7367	53647
s__unclassified	53347
s__unclassified	53427
s__unclassified	53446
s__unclassified	53502

DQ154840.1 gg_id:138754 Diel Migration Restructures Hypersaline Microbial Mat hypersaline microbial mat cl
FM210757.1 gg_id:577524 Leptolyngbya laminosa str. ETS-08
DQ330753.1 gg_id:159517 Guerrero Negro hypersaline microbial mat clone 02D2Z20
EF088337.1 gg_id:195665 Leptolyngbya sp. str. CENA 112
DQ471447.1 gg_id:159383 filamentous thermophilic cyanobacterium tBTRCCn 407
AY493584.1 gg_id:196348 Leptolyngbya sp. ANT.LH52.1
AB015062.1 gg_id:3259 Synechococcus sp. str. PCC7335
EF654069.1 gg_id:278727 Pseudanabaenaceae cyanobacterium HTT-U-KK3
FJ612380.1 gg_id:575713 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.3.27
EU753637.1 gg_id:345628 modern freshwater stromatolites Ruidera Pools Natural Park Spain dry stromatolite
FJ790644.1 gg_id:558034 Hypolithic microbial niches -altitude arid quartz Tibet desert clone QB96
GQ441289.1 gg_id:593272 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
AY493620.1 gg_id:177378 Phormidium pristleyi ANT.PROGRESS2.5
GQ441350.1 gg_id:549739 and dynamic mat present vs. active nitrogen-fixing microorganisms marine microbia
FJ790618.1 gg_id:554341 Hypolithic microbial niches -altitude arid quartz Tibet desert clone QB46
AY493575.1 gg_id:188968 Leptolyngbya frigida ANT.LH52.2
X84808.1 gg_id:3280 Leptolyngbya foveolarum str. Komarek 1964/112
DQ471446.1 gg_id:159427 filamentous thermophilic cyanobacterium tBTRCCn 408
EF088339.1 gg_id:194171 Leptolyngbya sp. str. CENA 103
EF522259.1 gg_id:223924 Endolithic Microbial Ecosystems Rocky Mountain endolithic sandstone clone FQSS03
DQ181679.1 gg_id:169750 Biogeographical and ecological ranges benthic cyanobacteria East Antarctic lakes mi
AB003168.1 gg_id:3288 Oscillatoria neglecta str. M-82
DQ471445.1 gg_id:159246 filamentous thermophilic cyanobacterium tBTRCCn 302
X84809.1 gg_id:3265 Leptolyngbya sp. 'VRUC 1985/1' str. VRUC 135 Albertano 1985/1
EU753636.1 gg_id:348181 modern freshwater stromatolites Ruidera Pools Natural Park Spain dry stromatolite
FJ230796.1 gg_id:353695 Microclimate and limits photosynthesis cyanobacteria Northern Australia hypolithic s
AY493588.1 gg_id:193060 Leptolyngbya antarctica ANT.ACE.1
AJ505942.1 gg_id:99196 Limnothrix redekei str. 165a
GQ848190.1 gg_id:586119 Limnothrix sp. str. B15
AF132792.1 gg_id:3301 Prochlorothrix hollandica
FJ612359.1 gg_id:567936 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.2.87
DQ450184.1 gg_id:151457 (Uruguay) Atlantic coastal lagoon clone R1C7
AJ007864.1 gg_id:3304 cyanobacterium clone LD7
AY493581.1 gg_id:184822 Phormidium pristleyi ANT.LH66.1
AY493582.1 gg_id:187739 Phormidium pristleyi ANT.LH61.2
EU340169.1 gg_id:241071 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY
AM709633.1 gg_id:218516 Pseudanabaena sp. str. PCC 7367
DQ181740.1 gg_id:170530 Biogeographical and ecological ranges benthic cyanobacteria East Antarctic lakes mi
EU196365.1 gg_id:359531 filamentous cyanobacterium str. 72-1
EF126240.1 gg_id:274997 Phototrophic microbial build laminated Fe-formations on Sulawesi Indonesia mesoph
AF445691.1 gg_id:28685 travertine hot spring clone SM1F09

DQ154840.1	138754	7803.7	7103.0	2550.2	2740.9	2545.2	2340.6
FM210757.1	577524	5273.9	4662.2	628.8	331.7	402.2	311.0
DQ330753.1	159517	2076.3	2227.8	220.0	713.7	1065.4	2774.4
EF088337.1	195665	393.7	211.8	675.4	1760.7	82.7	116.7
DQ471447.1	159383	2430.5	2503.4	118.4	333.6	109.0	111.1
AY493584.1	196348	3165.3	3508.2	1529.0	1173.2	784.1	409.2
AB015062.1	3259	2783.8	2604.3	1468.2	2257.8	2325.6	1303.0
EF654069.1	278727	6780.5	6602.4	5766.3	5592.1	5301.1	5895.2
FJ612380.1	575713	9103.6	9625.7	4332.8	4523.0	2383.3	2985.4
EU753637.1	345628	6648.8	8079.7	3365.6	2069.1	2803.5	3436.0
FJ790644.1	558034	16909.6	14515.1	1478.9	1350.0	1604.8	1582.2
GQ441289.1	593272	7663.6	6089.7	6078.1	4431.3	2571.1	2517.4
AY493620.1	177378	8878.5	10382.3	4925.4	6241.5	7666.5	4345.7
GQ441350.1	549739	10190.4	9304.4	7561.9	8503.0	3746.6	3798.2
FJ790618.1	554341	25148.3	27180.5	14514.0	16864.0	15979.0	15534.7
AY493575.1	188968	482.6	489.8	48.9	54.3	72.5	33.0
X84808.1	3280	2321.2	3288.3	324.9	247.9	427.5	182.7
DQ471446.1	159427	1155.6	2756.0	521.9	966.3	633.9	552.2
EF088339.1	194171	99.7	156.7	386.5	131.3	201.8	43.2
EF522259.1	223924	108.3	289.8	84.8	85.3	93.2	52.5
DQ181679.1	169750	4285.2	3731.6	203.2	244.0	216.4	304.0
AB003168.1	3288	1765.8	1750.8	1729.1	1954.8	116.8	365.4
DQ471445.1	159246	17.0	64.4	20.2	45.1	65.8	28.0
X84809.1	3265	459.5	569.5	122.3	281.5	61.7	43.0
EU753636.1	348181	10323.7	11921.9	1545.7	4105.3	1962.6	2119.6
FJ230796.1	353695	7909.2	7778.4	2371.0	1651.5	3618.8	719.5
AY493588.1	193060	2530.8	3143.2	1062.3	1173.0	956.2	1339.7
AJ505942.1	99196	1062.2	1656.7	81.9	112.4	78.1	24.8
GQ848190.1	586119	4834.9	5003.8	2026.1	2014.0	2868.7	2940.1
AF132792.1	3301	2729.0	3165.7	1262.2	548.2	301.8	454.4
FJ612359.1	567936	12653.8	13323.5	2355.7	7042.1	9402.6	5595.3
DQ450184.1	151457	63.2	117.9	19.7	72.0	72.3	40.8
AJ007864.1	3304	7765.9	5728.0	2376.7	4601.5	5479.0	411.5
AY493581.1	184822	5760.6	5036.2	633.5	1937.3	2059.5	2571.7
AY493582.1	187739	69.3	370.7	393.4	103.3	109.6	22.8
EU340169.1	241071	2525.7	1100.5	295.8	84.9	71.0	26.7
AM709633.1	218516	3007.5	4137.0	1044.3	607.2	1184.6	1139.3
DQ181740.1	170530	58.6	66.9	217.3	98.8	70.3	27.4
EU196365.1	359531	12686.0	14804.4	6872.1	9465.5	8994.2	9127.5
EF126240.1	274997	5701.9	5378.1	613.2	788.5	1292.8	1691.0
AF445691.1	28685	174.3	436.9	1691.2	175.1	85.7	70.4

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae

o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Pseudanabaenales	f__Pseudanabaenaceae
o__Synechococcales	f__Acaryochloridaceae
o__Synechococcales	f__Acaryochloridaceae
o__Synechococcales	f__Acaryochloridaceae
o__Synechococcales	f__Acaryochloridaceae
o__Synechococcales	f__Chamaesiphonaceae
o__Synechococcales	f__Chamaesiphonaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae

g__Pseudanabaena
g__Pseudanabaena
g__Pseudanabaena
g__SGUS531
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Acaryochloris
g__Acaryochloris
g__Acaryochloris
g__Acaryochloris
g__Chamaesiphon
g__Chamaesiphon
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus

s__unclassified	53541
s__unclassified	53573
s__unclassified	53610
s__unclassified	53742
s__unclassified	53022
s__unclassified	53374
s__unclassified	53421
s__unclassified	53572
s__unclassified	53634
s__unclassified	53666
s__unclassified	53716
s__unclassified	53717
s__unclassified	53762
s__unclassified	53780
s__unclassified	53940
s__unclassified	53945
s__unclassified	53951
s__unclassified	53959
s__Acaryochloris marina	52938
s__unclassified	53422
s__unclassified	53757
s__unclassified	53862
s__Chamaesiphon subglobosus	53731
s__Chamaesiphon subglobosus	53873
s__unclassified	52958
s__unclassified	52966
s__unclassified	52970
s__unclassified	53087
s__unclassified	53088
s__unclassified	53097
s__unclassified	53103
s__unclassified	53145
s__unclassified	53157
s__unclassified	53187
s__unclassified	53211
s__unclassified	53230
s__unclassified	53264
s__unclassified	53289
s__unclassified	53293
s__unclassified	53349
s__unclassified	53377

AB003165.1 gg_id:3386 Phormidium mucicola str. M-221
AM259268.1 gg_id:180764 Pseudanabaena sp. str. 0tu30s18
AB039016.1 gg_id:16700 Pseudanabaena sp. str. PCC 6802
GU117964.1 gg_id:563947 Threatened Corals Provide Microbial Habitats clone Acer_M19
EF032779.1 gg_id:189054 cyanobacterial mat in lava cave clone HAVOmat08
AJ630648.1 gg_id:99912 Oscillatoriales cyanobacterium str. UVFP2
FJ444635.1 gg_id:567570 Cotton Rhizosphere cotton rhizosphere clone 2h-1
EU255708.1 gg_id:559534 serpentinized spring water freshwater mesophilic microbial mat clone Mat-CYANO-S
AY493984.1 gg_id:136196 Fingerprinting aggregates soil clone 349
GU118152.1 gg_id:577676 Threatened Corals Provide Microbial Habitats clone Dstr_B02
AY151728.1 gg_id:99678 microbial mat clone Fr121
GQ487938.1 gg_id:554238 Microbial metal soil polluted heavy metals clone T7-132
EF654073.1 gg_id:278028 Pseudanabaenaceae cyanobacterium PBP-U-KK1
AB488091.1 gg_id:535035 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0
DQ431005.1 gg_id:190474 phototrophic microbial mats Arctic springs (Greenland) hot spring
FJ933259.1 gg_id:539884 Leptolyngbya sp. FYG
AF448079.1 gg_id:62919 Synechococcus sp. str. IR11
FJ202607.1 gg_id:344914 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k
NC_009925.1 gg_id:238741 Acaryochloris marina str. MBIC11017
AB486797.1 gg_id:554203 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR0
FJ902633.1 gg_id:570149 phreatic limestone sinkholes northeastern Mexico biofilm 1m deep hydrothermal ver
AM710386.1 gg_id:249359 Acaryochloris sp. str. JJ7-5 7-5
EU340178.1 gg_id:237480 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY
AF076162.1 gg_id:3261 Antarctic LB3-80 clone
EU805341.1 gg_id:334597 It's all ranking aquatic 250 miles Panama City clone 6C233345
EU703363.1 gg_id:455236 lakes on Eastern Tin Plateau freshwater lake altitude 4298 masl clone XZTSH29
FJ999597.1 gg_id:426115 sponge Haliclona simulans South China Sea clone B16
FJ381976.1 gg_id:582549 Potentially pathogenic and air stem cell transplant winter hospital shower water BMT
AF448063.1 gg_id:62935 Synechococcus sp. str. UBR
EU703182.1 gg_id:558485 taxon richness -altitude lakes eastern tin plateau predominance Bacteroidetes and S
EF574289.1 gg_id:232723 site S25 near Coco's Island marine clone S25_633
GU061586.1 gg_id:557211 and function microbial mesoscale eddy perturbations South China Sea clone CE2-5m
EF575274.1 gg_id:227868 site S25 near Coco's Island marine clone S25_1618
EU237304.1 gg_id:236472 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as
FJ382039.1 gg_id:512103 Potentially pathogenic and air stem cell transplant winter hospital shower water BMT
GU305759.1 gg_id:550168 Research on changes structure during algae outbreak oligotrophic lakes (YangHe res
EF574827.1 gg_id:235076 site S25 near Coco's Island marine clone S25_1171
EU237266.1 gg_id:250183 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as
FJ382047.1 gg_id:583334 Potentially pathogenic and air stem cell transplant winter hospital shower water BMT
GU119261.1 gg_id:578434 Threatened Corals Provide Microbial Habitats reef water clone Reef_B17
FJ497746.1 gg_id:581946 Synechococcus sp. str. KORDI-36

AB003165.1	3386	824.7	1543.1	71.5	83.7	81.0	28.4
AM259268.1	180764	13441.9	13802.6	7421.8	7908.1	12076.9	9131.8
AB039016.1	16700	504.8	562.1	303.9	126.9	81.8	38.5
GU117964.1	563947	21.0	54.7	26.9	61.6	73.4	25.2
EF032779.1	189054	2185.4	1771.8	958.7	616.7	169.6	586.6
AJ630648.1	99912	1680.0	659.9	370.3	743.0	120.3	340.0
FJ444635.1	567570	5803.5	5181.3	421.6	648.2	1634.0	2466.4
EU255708.1	559534	2057.2	3268.2	1032.6	451.9	169.1	310.7
AY493984.1	136196	7384.6	6197.1	1439.0	561.4	2590.1	2637.8
GU118152.1	577676	5867.9	11638.2	7513.2	10513.3	9384.8	6278.3
AY151728.1	99678	1972.3	3318.3	289.7	103.8	73.3	47.8
GQ487938.1	554238	8257.5	8942.9	3784.8	3952.2	4442.0	4071.7
EF654073.1	278028	7499.9	10194.8	6344.5	6736.6	8728.2	8024.9
AB488091.1	535035	7308.6	6805.4	3418.4	5328.2	7429.9	791.9
DQ431005.1	190474	2675.4	2664.6	563.0	294.5	90.6	50.9
FJ933259.1	539884	9964.0	12050.2	5463.3	4875.7	4357.4	4436.0
AF448079.1	62919	612.8	890.6	79.2	55.0	43.0	37.8
FJ202607.1	344914	9391.9	11329.6	3869.2	3184.7	7955.5	4174.7
NC_009925.1	238741	58.2	112.4	31.3	55.0	289.2	26.6
AB486797.1	554203	16313.3	20631.3	10046.8	5942.4	10731.3	8432.6
FJ902633.1	570149	8127.1	11314.3	6332.8	6716.2	10511.1	10120.1
AM710386.1	249359	1949.8	3669.6	2718.2	1139.4	1179.6	1060.5
EU340178.1	237480	9888.6	12809.8	4451.1	7001.1	5498.2	2686.6
AF076162.1	3261	1587.4	2812.4	908.9	1046.2	2469.5	1861.1
EU805341.1	334597	2393.7	2484.4	1253.7	3159.6	3712.1	6658.0
EU703363.1	455236	6081.3	9028.6	650.5	1103.5	583.0	1197.7
FJ999597.1	426115	2827.6	3685.7	4999.9	3298.1	5149.2	5840.5
FJ381976.1	582549	6420.6	8807.8	2565.0	3912.6	2417.2	2980.4
AF448063.1	62935	4996.5	7351.9	4213.1	4309.0	5439.4	4226.5
EU703182.1	558485	11414.0	11402.6	3822.3	4254.2	6134.7	5373.8
EF574289.1	232723	12803.8	14741.8	4535.2	7936.5	7437.3	6580.6
GU061586.1	557211	6082.9	5796.3	5010.7	4999.3	2537.0	4179.6
EF575274.1	227868	13911.5	17563.3	7488.8	10827.3	14871.5	12655.1
EU237304.1	236472	4326.8	5620.8	3233.6	2926.9	3140.6	3862.2
FJ382039.1	512103	8878.7	11278.7	5530.8	4718.4	8023.4	5529.9
GU305759.1	550168	1218.3	4450.1	2616.7	1493.5	163.1	740.5
EF574827.1	235076	20605.1	18393.3	11664.1	12009.4	16372.3	16052.2
EU237266.1	250183	22959.8	18417.7	8028.3	11260.4	13711.2	15532.8
FJ382047.1	583334	3001.8	4849.1	3610.4	2619.1	1435.7	1537.2
GU119261.1	578434	11274.6	13315.1	5793.9	6902.8	9381.5	9222.2
FJ497746.1	581946	7255.4	6436.8	4837.1	7857.5	7230.6	5494.4

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae

o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae

g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Prochlorococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus
g__Synechococcus

s__unclassified	53379
s__unclassified	53384
s__unclassified	53445
s__unclassified	53448
s__unclassified	53493
s__unclassified	53511
s__unclassified	53527
s__unclassified	53565
s__unclassified	53619
s__unclassified	53624
s__unclassified	53632
s__unclassified	53638
s__unclassified	53691
s__unclassified	53697
s__unclassified	53709
s__unclassified	53715
s__unclassified	53735
s__unclassified	53752
s__unclassified	53772
s__unclassified	53798
s__unclassified	53803
s__unclassified	53812
s__unclassified	53821
s__unclassified	53836
s__unclassified	53839
s__unclassified	53849
s__unclassified	53863
s__unclassified	53868
s__unclassified	53876
s__unclassified	53890
s__unclassified	53892
s__unclassified	53943
s__Synechococcus elongatus	53888
s__Synechococcus sp. JA-2-3Ba(2-13)	53034
s__Synechococcus sp. JA-2-3Ba(2-13)	53247
s__Synechococcus sp. JA-3-3Ab	53232
s__Synechococcus_spC9	53079
s__Synechococcus_spC9	53557
s__Synechococcus_spC9	53855
s__unclassified	53631
s__unclassified	53832

EU237274.1 gg_id:243344 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as:
AM259804.1 gg_id:216449 Spatial sponge- Mediterranean Tethya aurantium sponge endosome clone TAI-8-74
EU802588.1 gg_id:351201 It's all ranking aquatic Northeast Colon Panama clone 4C229939
EU802974.1 gg_id:355538 It's all ranking aquatic Northeast Colon Panama clone 4C230373
AF448070.1 gg_id:62928 Synechococcus sp. str. PS845
EU237323.1 gg_id:257932 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as:
EU703496.1 gg_id:375870 lakes on Eastern Tin Plateau freshwater lake altitude 4279 masl clone XZZLH78
EU802573.1 gg_id:342607 It's all ranking aquatic Northeast Colon Panama clone 4C229920
EF574201.1 gg_id:233862 site S25 near Coco's Island marine clone S25_545
EF574424.1 gg_id:229355 site S25 near Coco's Island marine clone S25_768
GU118310.1 gg_id:581829 Threatened Corals Provide Microbial Habitats clone Dstr_D01
AF330250.1 gg_id:53206 Synechococcus sp. str. LBB3
EU703334.1 gg_id:409409 lakes on Eastern Tin Plateau freshwater lake altitude 4298 masl clone XZTSH6
EF573792.1 gg_id:234682 site S25 near Coco's Island marine clone S25_136
AJ347056.1 gg_id:60158 sponge clone TK09
EU237326.1 gg_id:242635 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as:
EF572237.1 gg_id:232120 Coco's Island site 23 marine clone S23_336
AM710354.1 gg_id:227959 Cyanobium sp. str. JJ19B5 19-B5
EF574923.1 gg_id:232787 site S25 near Coco's Island marine clone S25_1267
NC_008319.1 gg_id:161964 Synechococcus sp. str. CC9311
EU703246.1 gg_id:398037 lakes on Eastern Tin Plateau oligosaline lake altitude 4718 masl clone XZNMC20
FJ382144.1 gg_id:558480 Potentially pathogenic and air stem cell transplant summer hospital shower water BM
AF053397.1 gg_id:3347 Prochlorococcus marinus MIT 9303 str. MIT9303
EU802507.1 gg_id:339262 It's all ranking aquatic Northeast Colon Panama clone 4C229843
EU802290.1 gg_id:335985 It's all ranking aquatic Northeast Colon Panama clone 4C229599
GU119448.1 gg_id:558489 Threatened Corals Provide Microbial Habitats reef water clone Reef_I02
FJ999612.1 gg_id:467632 sponge Haliclona simulans South China Sea clone B132
EU805221.1 gg_id:321688 It's all ranking aquatic 250 miles Panama City clone 6C233218
EU237285.1 gg_id:251143 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as:
FJ437825.1 gg_id:566422 Benthic okenone production Fayetteville New York Green Lake chemocline 20.5 m wa
EF571914.1 gg_id:228854 Coco's Island site 23 marine clone S23_13
AY125385.1 gg_id:81638 Synechococcus sp. clone A315025
X03538.1 gg_id:3299 Synechococcus elongatus
AY884054.1 gg_id:140661 Synechococcus sp. str. TS-15
AY884059.1 gg_id:140190 Synechococcus sp. str. TS-104
AY884052.1 gg_id:139842 Synechococcus sp. str. JA-3-3Ab
AF132773.1 gg_id:3159 Synechococcus sp. str. C9
EF205469.1 gg_id:216560 among geographically regions central Tibet geothermal spring mat clone YCB43
DQ471441.1 gg_id:159447 filamentous thermophilic cyanobacterium tBTRCCn 301
EU000446.1 gg_id:238052 unculutured clones (IW) Western Ghats region IRDE water clone IWENVB17
EU091541.1 gg_id:246617 clones IRDE (IW) Western Ghats region India water clone IWENVC5

EU237274.1	243344	6783.2	6537.2	3563.2	4510.1	5817.8	6812.9
AM259804.1	216449	7608.0	7683.9	2227.4	2547.6	6567.7	5961.0
EU802588.1	351201	3325.0	7677.8	2692.3	2644.3	2745.4	4653.7
EU802974.1	355538	392.9	961.8	1578.4	742.9	659.2	2224.1
AF448070.1	62928	70.1	157.8	74.9	57.1	64.7	52.5
EU237323.1	257932	7226.4	7268.8	9098.1	7419.9	7427.8	8669.6
EU703496.1	375870	16036.5	16746.5	7521.6	9956.6	16775.5	13726.7
EU802573.1	342607	832.2	1470.6	944.6	1890.4	2076.8	3525.5
EF574201.1	233862	126.3	254.4	230.5	80.9	439.8	81.3
EF574424.1	229355	18067.8	14957.0	8884.7	11933.7	9030.8	11046.1
GU118310.1	581829	5029.7	8670.4	5536.4	2289.5	2695.1	2494.5
AF330250.1	53206	7214.1	8216.5	3204.3	6670.0	7902.4	8574.9
EU703334.1	409409	15105.1	19667.5	5406.9	7165.1	10263.5	8943.3
EF573792.1	234682	2049.9	3493.6	1175.9	2459.9	3115.7	3511.8
AJ347056.1	60158	279.6	620.4	68.6	67.1	212.2	150.0
EU237326.1	242635	3885.7	5485.4	6273.9	4641.3	5048.1	5470.6
EF572237.1	232120	228.3	615.4	774.8	191.9	933.9	298.0
AM710354.1	227959	3912.4	4869.0	2985.8	2491.2	3766.3	3696.7
EF574923.1	232787	7632.4	11557.5	5572.4	6100.3	11603.8	8613.0
NC_008319.1	161964	17.6	61.9	20.9	49.1	40.8	19.9
EU703246.1	398037	13363.6	14175.6	4946.1	8449.7	8070.4	6859.4
FJ382144.1	558480	11383.8	12284.9	5572.0	5763.9	9578.1	8249.8
AF053397.1	3347	314.5	471.4	333.6	113.8	941.1	199.3
EU802507.1	339262	1456.1	2090.1	5820.7	1399.0	505.1	781.7
EU802290.1	335985	4044.1	3525.3	1065.0	2594.0	3969.7	4140.9
GU119448.1	558489	12340.4	16624.6	3689.6	5733.1	9664.2	7464.9
FJ999612.1	467632	5487.2	8155.3	3215.8	1957.5	1111.4	1417.4
EU805221.1	321688	7492.8	6611.8	4895.8	4576.8	6761.2	7015.7
EU237285.1	251143	6310.3	6490.0	5177.2	5273.8	7127.2	7096.5
FJ437825.1	566422	4917.7	5815.4	1189.9	1355.9	161.9	1377.9
EF571914.1	228854	8857.0	9387.0	4004.7	4972.0	10492.6	8837.8
AY125385.1	81638	6847.5	8631.3	5925.6	5727.2	3997.1	6121.0
X03538.1	3299	199.8	364.4	294.9	101.0	134.8	62.9
AY884054.1	140661	3805.8	5927.3	4450.2	1128.4	4309.0	3125.5
AY884059.1	140190	835.5	1257.4	799.0	226.5	592.9	658.1
AY884052.1	139842	6467.7	7554.9	2620.9	2958.8	2339.8	1852.2
AF132773.1	3159	12073.3	9813.1	4474.7	5244.8	5429.3	4732.2
EF205469.1	216560	160.1	521.3	154.0	135.6	207.3	138.3
DQ471441.1	159447	748.4	3154.3	212.2	464.9	101.2	78.0
EU000446.1	238052	4701.9	6404.7	5820.4	2912.4	3085.5	2681.2
EU091541.1	246617	1855.1	2513.9	2852.7	1192.5	2489.0	1628.4

k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__Synechococcophycideae
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__unclassified
k__Bacteria	k__Bacteria	p__Cyanobacteria	c__unclassified
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Deferribacteres	c__Deferribacteres
k__Bacteria	k__Bacteria	p__Dictyoglomi	c__Dictyoglomia
k__Bacteria	k__Bacteria	p__Dictyoglomi	c__Dictyoglomia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia

o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__Synechococcales	f__Synechococcaceae
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Calithrixaceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Deferribacterales	f__Deferribacteraceae
o__Dictyoglomales	f__Dictyoglomaceae
o__Dictyoglomales	f__Dictyoglomaceae
o__Elusimicrobiales	f__Elusimicrobiaceae
o__Elusimicrobiales	f__Elusimicrobiaceae
o__Elusimicrobiales	f__Elusimicrobiaceae
o__Elusimicrobiales	f__Elusimicrobiaceae
o__Elusimicrobiales	f__Elusimicrobiaceae
o__Elusimicrobiales	f__unclassified
o__Elusimicrobiales	f__unclassified
o__Elusimicrobiales	f__unclassified
o__Elusimicrobiales	f__unclassified

g__Synechococcus
g__Thermosynechococcus
g__Thermosynechococcus
g__sfA
g__sfB
g__sfA
g__sfB
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Caldithrix
g__Deferribacter
g__Deferribacter
g__Deferribacter
g__Deferribacter
g__Deferribacter
g__Deferribacter
g__E4
g__Flexistipes
g__Flexistipes
g__Flexistipes
g__Geovibrio
g__Mucispirillum
g__Mucispirillum
g__unclassified
g__Dictyoglomus
g__Dictyoglomus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__sfA
g__sfB
g__sfB

s__unclassified	53930
s__unclassified	53495
s__unclassified	53809
s__unclassified	53326
s__unclassified	53070
s__unclassified	53272
s__unclassified	53977
s__unclassified	57816
s__unclassified	57845
s__unclassified	57902
s__unclassified	57939
s__unclassified	57948
s__unclassified	58067
s__unclassified	58291
s__unclassified	58779
s__unclassified	58808
s__Deferribacter abyssi	56320
s__Deferribacter desulfuricans	56183
s__unclassified	55008
s__unclassified	55394
s__unclassified	55414
s__unclassified	55437
s__unclassified	56019
s__unclassified	55049
s__unclassified	55666
s__unclassified	56335
s__unclassified	55934
s__Mucispirillum schaedleri	55736
s__unclassified	55942
s__unclassified	55663
s__Dictyoglomus thermophilum	54976
s__Dictyoglomus turgidum	55159
s__unclassified	70886
s__unclassified	70961
s__unclassified	70990
s__unclassified	70995
s__unclassified	71209
s__unclassified	70699
s__unclassified	70725
s__unclassified	70873
s__unclassified	70934

EF205557.1 gg_id:207631 among geographically regions central Tibet geothermal spring mat clone TP139
NC_004113.1 gg_id:55947 Thermosynechococcus elongatus BP-1
AF448081.1 gg_id:62920 Synechococcus sp. str. PCC 6312
AF448078.1 gg_id:62921 Synechococcus sp. str. PCC 7336
FJ425596.1 gg_id:361402 communnities healthy and diseased colonies Caribbean coral Montastrea faveolata c
AF216946.1 gg_id:40082 Synechococcus sp. PCC 7902 str. PCC7902
EF438248.1 gg_id:215715 Temporal spatial variability epilithic Bacteroidetes and Cyanobacteria forested river c
FJ999729.1 gg_id:378810 Caldithrix sp. str. MC
AF323775.1 gg_id:53652 benzoate-degrading consortium clone BA059
FJ484504.1 gg_id:550182 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator
EU487910.1 gg_id:565473 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and
AB177153.1 gg_id:130950 seafloor methane hydrate clone ODP1230B14.21
DQ811935.1 gg_id:164927 mangrove soil clone MSB-4E9
AF286031.1 gg_id:31738 saltmarsh clone LCP-26
EU592472.1 gg_id:543260 Seasonal changes Salton Sea hypersaline sediment clone SSS10A
DQ811933.1 gg_id:171914 mangrove soil clone MSB-4A2
AJ515882.1 gg_id:57548 Deferribacter abyssi str. JR
AP011529.1 gg_id:521936 Deferribacter desulfuricans str. SSM1
FN356326.1 gg_id:544906 Prokaryotic structure sulfate reducer activity -temperature reservoirs and without ni
U75602.1 gg_id:1863 Deferribacter thermophilus str. BMA1
FN356319.1 gg_id:568730 Prokaryotic structure sulfate reducer activity -temperature reservoirs and without ni
EU407777.1 gg_id:263407 Deferribacter sp. str. SL50
AB364234.1 gg_id:350097 Calditerrivibrio nitroreducens str. Yu37-1 (= NBRC 101217)
AF220344.1 gg_id:74231 Flexistipes sp. vp180
FJ901100.1 gg_id:563173 Polymorphism microbial reservoirs water cut stage oil field clone Z-47
FJ900968.1 gg_id:509886 Polymorphism microbial reservoirs water cut stage oil field clone G-6
AJ299402.1 gg_id:25709 Geovibrio agilis
AY387671.1 gg_id:95739 Mucispirillum schaedleri str. UNSW I23
EF097086.1 gg_id:186413 mouse cecum clone SWPT18_aaa01c01
AF146526.1 gg_id:43329 Denitrovibrio acetiphilus
NR_029235.1 gg_id:549883 Dictyoglomus thermophilum str. H-6-12; DSM 3960
CP001251.1 gg_id:526493 Dictyoglomus turgidum str. DSM 6724
CP001055.1 gg_id:278168 Elusimicrobium minutum str. Pei191
AB198564.1 gg_id:135579 termite gut wall fraction clone RsW02-112
FJ879997.1 gg_id:447372 Diets enriched or wheat temporally and alter fecal rat feces animal fed oat bran diet;
FJ879844.1 gg_id:406473 Diets enriched or wheat temporally and alter fecal rat feces animal fed oat bran diet;
FJ825512.1 gg_id:552696 Microbial during start-up mesophilic biogas plant clone 2B_BS5_13
AJ583207.1 gg_id:94589 radioactive site ground water clone S15B-MN11
AB426236.1 gg_id:260316 -situ identification study benzene-degrading s under methanogenic condition anaerc
DQ837258.1 gg_id:241732 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_2B_60
AF407708.1 gg_id:60591 Great Artesian Basin clone G58

EF205557.1	207631	262.9	612.2	239.4	285.1	146.0	77.9
NC_004113.1	55947	1936.6	2386.0	467.8	154.2	226.0	80.3
AF448081.1	62920	287.8	613.2	61.9	189.0	123.5	59.0
AF448078.1	62921	1700.4	1906.5	203.8	252.5	337.1	148.6
FJ425596.1	361402	1182.5	2126.4	2187.5	601.1	813.0	646.1
AF216946.1	40082	136.9	231.9	76.8	94.0	389.9	87.1
EF438248.1	215715	683.7	583.6	106.4	110.9	90.0	55.1
FJ999729.1	378810	774.1	2276.3	1001.9	399.5	753.2	464.4
AF323775.1	53652	488.2	668.6	632.9	840.7	342.9	914.2
FJ484504.1	550182	3793.2	3696.4	6133.2	1879.4	2647.4	2814.0
EU487910.1	565473	10083.9	9720.5	8075.1	7806.3	9740.9	10707.4
AB177153.1	130950	435.2	367.8	1534.2	197.8	143.3	284.3
DQ811935.1	164927	46.1	112.0	235.0	62.5	106.5	69.6
AF286031.1	31738	2073.8	1829.1	4251.7	2899.9	1322.6	1982.5
EU592472.1	543260	2860.0	2746.1	3716.3	3647.5	4634.3	5656.3
DQ811933.1	171914	185.2	392.7	769.6	220.3	153.2	303.5
AJ515882.1	57548	2524.0	1742.4	2497.4	3954.2	1674.7	2456.7
AP011529.1	521936	1791.5	2563.9	7182.1	5032.2	3656.5	5196.9
FN356326.1	544906	8720.2	7153.6	4203.9	8311.0	8136.5	8685.9
U75602.1	1863	4411.8	3834.5	3162.6	3050.6	2657.8	3797.5
FN356319.1	568730	7107.5	6263.2	8064.2	6259.9	2454.9	4974.3
EU407777.1	263407	5874.1	4465.0	7600.7	5505.7	3070.7	5168.8
AB364234.1	350097	3137.9	5177.5	2714.9	3076.6	4480.5	4900.0
AF220344.1	74231	6982.0	7075.2	4183.7	5363.9	4257.9	5895.3
FJ901100.1	563173	3893.7	5238.6	6407.9	4144.6	2080.0	2982.8
FJ900968.1	509886	6291.3	6134.5	7452.3	5931.3	9210.0	7635.9
AJ299402.1	25709	96.1	287.3	155.7	85.2	283.4	147.4
AY387671.1	95739	900.7	1254.0	1791.7	591.8	1563.3	1394.3
EF097086.1	186413	3937.8	4752.9	4376.0	5374.8	7674.1	6755.6
AF146526.1	43329	597.6	972.5	1659.6	1917.5	364.5	1537.1
NR_029235.1	549883	7626.5	9270.6	6384.1	5430.4	4392.8	3997.4
CP001251.1	526493	8439.9	10853.1	11501.5	4240.2	7434.2	6501.5
CP001055.1	278168	4638.6	2529.1	4087.0	4473.2	1176.4	1446.6
AB198564.1	135579	24.8	23.4	22.6	60.6	72.5	40.2
FJ879997.1	447372	5831.4	6291.4	9898.9	5970.2	7495.1	7000.8
FJ879844.1	406473	10656.9	10969.4	9089.9	10846.0	7828.9	12542.7
FJ825512.1	552696	6586.2	7224.0	2061.7	6498.4	2563.1	1820.2
AJ583207.1	94589	1859.4	3680.8	4932.3	1168.6	2287.2	1298.0
AB426236.1	260316	6044.6	6713.1	9110.1	6085.6	4574.7	5809.6
DQ837258.1	241732	958.6	1107.0	2621.6	536.7	304.2	442.3
AF407708.1	60591	228.0	258.5	1850.0	369.8	97.6	176.3

k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Elusimicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__Endomicrobia
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__unclassified
k__Bacteria	k__Bacteria	p__Elusimicrobia	c__unclassified
k__Bacteria	k__Bacteria	p__EM3	c__unclassified
k__Bacteria	k__Bacteria	p__EM3	c__unclassified
k__Bacteria	k__Bacteria	p__EM3	c__unclassified
k__Bacteria	k__Bacteria	p__EM3	c__unclassified
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres

o__Elusimicrobiales	f__unclassified
o__Elusimicrobiales	f__unclassified
o__Elusimicrobiales	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__FAC88	f__unclassified
o__MVP-88	f__unclassified
o__MVP-88	f__unclassified
o__MVP-88	f__unclassified
o__MVP-88	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__unclassified	f__unclassified
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae

g__sfC
g__sfD
g__sfE
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfA
g__sfB
g__sfC
g__sfD
g__Fibrobacter
g__Fibrobacter

s__unclassified	71175
s__unclassified	70969
s__unclassified	71207
s__unclassified	70702
s__unclassified	70907
s__unclassified	70950
s__unclassified	70951
s__unclassified	70972
s__unclassified	71135
s__unclassified	71268
s__unclassified	70656
s__unclassified	71068
s__unclassified	71150
s__unclassified	70756
s__unclassified	70648
s__unclassified	70677
s__unclassified	70687
s__unclassified	70784
s__unclassified	70801
s__unclassified	70831
s__unclassified	70863
s__unclassified	70896
s__unclassified	70948
s__unclassified	70958
s__unclassified	71007
s__unclassified	71038
s__unclassified	71065
s__unclassified	71152
s__unclassified	71188
s__unclassified	71220
s__unclassified	71232
s__unclassified	71238
s__unclassified	71244
s__unclassified	70857
s__unclassified	70716
s__unclassified	51465
s__unclassified	51385
s__unclassified	51506
s__unclassified	51736
s__Fibrobacter intestinalis	53694
s__Fibrobacter succinogenes	53005

FJ810557.1 gg_id:417474 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su
AY622271.1 gg_id:104126 subsurface soil clone S-J147
EF018546.1 gg_id:217004 aspen rhizosphere clone Amb_16S_807
AB487935.1 gg_id:576679 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0
EU861834.1 gg_id:312378 effects chronic fertilization on alpine tundra microbial implications carbon and nitrog
EU117172.1 gg_id:250278 Scratching surface rare biosphere tag primers recent progress made toward microbi
DQ451527.1 gg_id:156651 forest soil clone FAC88
EF516402.1 gg_id:218152 grassland soil clone FCPS607
EU134602.1 gg_id:248280 tallgrass prarie soil clone FFCH1966
GQ402750.1 gg_id:509120 Accessing microbial biodiversity and metabolic potential tropical -based approach p
EU861853.1 gg_id:330280 effects chronic fertilization on alpine tundra microbial implications carbon and nitrog
EU589308.1 gg_id:276586 China Ningxia rice paddy field soil clone 2_E5
AY921882.1 gg_id:114382 farm soil clone AKYG853
EF515890.1 gg_id:220050 grassland soil clone FCPS480
AB282960.1 gg_id:223649 candidate phylum 'Termite Group 1' and members various flagellated protists endos
AB282957.1 gg_id:223823 candidate phylum 'Termite Group 1' and members various flagellated protists endos
AB298058.1 gg_id:253597 'Endomicrobia' and their specific affiliation termite gut flagellates endosymbiont Dev
AB126236.1 gg_id:104704 termite gut clone Rs-E67
AY512589.1 gg_id:110572 symbiont Pyrsonympha vertens Reticulitermes santonensis clone Pv-1
AB192273.1 gg_id:141207 termite gut homogenate clone RPK-30
AB298011.1 gg_id:251556 'Endomicrobia' and their specific affiliation termite gut flagellates endosymbiont Din
AB192274.1 gg_id:142490 termite gut homogenate clone RPK-57
AY571459.1 gg_id:114701 termite gut clone RsaP150
AB282959.1 gg_id:224561 candidate phylum 'Termite Group 1' and members various flagellated protists endos
AB282961.1 gg_id:223811 candidate phylum 'Termite Group 1' and members various flagellated protists endos
AB297999.1 gg_id:248629 'Endomicrobia' and their specific affiliation termite gut flagellates endosymbiont Tric
AB298082.1 gg_id:242418 'Endomicrobia' and their specific affiliation termite gut flagellates endosymbiont Oxy
AB299537.1 gg_id:253909 Motility Symbiont Termite Gut Flagellate Caduceia versatilis Member 'Synergistes' G
AB192270.1 gg_id:143184 termite gut homogenate clone RPK-45
AB188146.1 gg_id:103702 endosymbiont Trichonympha agilis gut termite Reticulitermes speratus clone RsTG1
AY571454.1 gg_id:114696 termite gut clone RsaP84
AB282962.1 gg_id:220873 candidate phylum 'Termite Group 1' and members various flagellated protists endos
AB282964.1 gg_id:223647 candidate phylum 'Termite Group 1' and endosymbiont members various flagellated
FJ746265.1 gg_id:549436 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m
EU386053.1 gg_id:260503 Biogeographical and microbes sediments on subseafloor sediment South China Sea c
AF352534.1 gg_id:35729 hot spring clone QL4-2
EF198046.1 gg_id:182021 Microbial structures mesophilic and methanogenic consortia anaerobic thermophilic
EU924259.1 gg_id:340778 Microbiology and geochemistry Little Hot Creek hot spring sediment temperature 8
GQ844336.1 gg_id:561611 Microbial full-scale produced water treatment plant biofilm anoxic tank clone BB-B4
AJ496284.1 gg_id:100224 Fibrobacter intestinalis str. NR9
AB275494.1 gg_id:169977 Fibrobacter succinogenes str. AS226

FJ810557.1	417474	231.0	35.9	2577.5	343.0	217.7	211.6
AY622271.1	104126	39.3	64.0	159.5	85.1	113.5	101.7
EF018546.1	217004	40.9	117.6	1019.2	163.2	89.6	225.6
AB487935.1	576679	10173.6	8295.3	8594.3	10943.9	8181.2	8855.8
EU861834.1	312378	8010.0	6880.4	7279.0	11317.3	9658.6	8863.7
EU117172.1	250278	4449.8	4039.6	6033.9	3153.2	2921.1	4020.0
DQ451527.1	156651	21.2	33.8	275.4	88.8	127.8	33.3
EF516402.1	218152	27.2	52.5	542.0	92.8	79.3	34.0
EU134602.1	248280	3096.4	4430.1	10092.7	4285.8	4770.1	6451.5
GQ402750.1	509120	12001.7	10894.7	13328.3	8689.5	11139.5	7039.0
EU861853.1	330280	4908.8	7654.7	5125.3	6262.2	5831.8	5423.4
EU589308.1	276586	9834.3	8783.8	8107.6	9912.0	10409.1	9973.2
AY921882.1	114382	36.1	41.0	99.3	66.8	69.7	45.3
EF515890.1	220050	35.4	44.0	1295.9	73.8	71.2	26.2
AB282960.1	223649	42.3	61.0	68.9	72.0	77.9	44.7
AB282957.1	223823	7673.1	5404.4	5134.2	4631.1	3866.4	3270.7
AB298058.1	253597	6329.9	7445.0	7240.0	4341.2	7662.4	9153.0
AB126236.1	104704	11964.8	13751.4	9148.5	10327.0	14844.3	12967.5
AY512589.1	110572	6704.7	6120.6	9567.1	7828.9	5437.7	4392.9
AB192273.1	141207	153.9	337.7	174.8	220.0	264.7	147.8
AB298011.1	251556	6701.3	6652.4	7392.4	6823.3	5535.2	6771.5
AB192274.1	142490	7210.5	8532.1	3883.3	7376.6	4353.8	4912.6
AY571459.1	114701	187.5	185.5	314.9	250.6	117.4	102.9
AB282959.1	224561	3426.7	5067.4	3963.1	3161.7	2006.4	3092.4
AB282961.1	223811	10091.5	10076.0	10490.4	8829.7	9110.0	8730.7
AB297999.1	248629	7926.5	6410.8	2681.3	3030.5	4316.5	5130.7
AB298082.1	242418	5264.9	5569.0	5461.5	3819.7	5618.0	5327.9
AB299537.1	253909	7304.4	6783.6	6411.2	8253.6	6933.3	7532.6
AB192270.1	143184	321.2	484.9	1163.6	525.9	266.0	228.4
AB188146.1	103702	632.6	1385.7	1869.4	615.6	720.2	2053.9
AY571454.1	114696	3920.3	5029.6	5151.7	3809.3	3360.4	4562.2
AB282962.1	220873	2388.2	4531.8	2141.7	2084.6	741.1	933.5
AB282964.1	223647	797.5	1833.8	307.5	131.5	97.8	59.3
FJ746265.1	549436	6289.8	5842.9	6517.2	7040.9	3895.2	3499.9
EU386053.1	260503	7685.3	8558.0	13982.3	10379.3	12418.2	8910.0
AF352534.1	35729	3450.3	4354.4	4445.8	4074.9	6161.8	6073.6
EF198046.1	182021	37.2	62.6	78.4	55.7	60.4	24.7
EU924259.1	340778	3425.7	4563.6	6070.5	2165.0	2438.9	4367.8
GQ844336.1	561611	23.0	46.5	53.4	50.5	58.8	31.9
AJ496284.1	100224	3433.3	4362.2	4842.6	4929.0	2900.1	3563.3
AB275494.1	169977	7964.0	7287.5	5388.4	10357.3	3916.3	4895.1

k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Fibrobacteres	c__Fibrobacteres
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Fibrobacterales	f__Fibrobacteraceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae

g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacter
g__Fibrobacteres-2
g__Fibrobacteres-2
g__Fibrobacteres-2
g__Fibrobacteres-2
g__Fibrobacteres-2
g__Fibrobacteres-2
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus

s__Fibrobacter succinogenes	53174
s__Fibrobacter succinogenes	53182
s__Fibrobacter succinogenes	53226
s__Fibrobacter succinogenes	53295
s__Fibrobacter succinogenes	53305
s__Fibrobacter succinogenes	53352
s__Fibrobacter succinogenes	53524
s__Fibrobacter succinogenes	53569
s__Fibrobacter succinogenes	53645
s__Fibrobacter succinogenes	53662
s__Fibrobacter succinogenes	53850
s__Fibrobacter succinogenes	53919
s__Fibrobacter succinogenes	53920
s__Fibrobacter succinogenes	53971
s__unclassified	53150
s__unclassified	53162
s__unclassified	53793
s__unclassified	53968
s__unclassified	53021
s__unclassified	53036
s__unclassified	53509
s__unclassified	53526
s__unclassified	53693
s__unclassified	53738
s__Alicyclobacillus acidocaldarius	48296
s__Alicyclobacillus acidocaldarius	48553
s__Alicyclobacillus acidoterrestris	48254
s__Alicyclobacillus acidoterrestris	49504
s__Alicyclobacillus cycloheptanicus	49295
s__Alicyclobacillus disulfidooxidans	49536
s__Alicyclobacillus hesperidum	49762
s__Alicyclobacillus pohliae	49153
s__Alicyclobacillus sendaiensis	48365
s__Alicyclobacillus sp.	48505
s__Alicyclobacillus sp.	48648
s__Alicyclobacillus sp.	48661
s__Alicyclobacillus sp.	48735
s__Alicyclobacillus sp.	48840
s__Alicyclobacillus sp.	49013
s__Alicyclobacillus sp.	49206
s__Alicyclobacillus sp.	49831

AB275500.1 gg_id:163075 Fibrobacter succinogenes str. OS118
AB275485.1 gg_id:170693 Fibrobacter succinogenes str. AS211
EU473538.1 gg_id:290276 Somali wild ass feces clone WA_aaa04b07
AJ496186.1 gg_id:63459 Fibrobacter succinogenes str. HM2
EU459511.1 gg_id:288501 capybara feces clone CAP_aah98h04
EU381839.1 gg_id:260857 Rumen eubacterial implicates Bacteroidetes major phylum rumen particulate phase
EU463562.1 gg_id:293363 domesticated horse feces clone horsem_aai96b08
EU473558.1 gg_id:301021 Somali wild ass feces clone WA_aaa01h11
AB275496.1 gg_id:165381 Fibrobacter succinogenes str. OS102
AB275498.1 gg_id:164826 Fibrobacter succinogenes str. OS112
AB275501.1 gg_id:173599 Fibrobacter succinogenes str. OS119
EU473606.1 gg_id:289079 Somali wild ass feces clone WA_aaa01d09
EU779396.1 gg_id:329327 Somali Wild Ass feces clone WA_aaa03d04
GU303627.1 gg_id:576830 inhabiting epithelial tissue ruminal digesta -DGGE and sequencing rumen contents c
EF190824.1 gg_id:245678 Evidence occurrence members genus Fibrobacter sites landfill clone Brom F11
AM982635.2 gg_id:278133 microbial and slurry pig saw dust spent bedding clone PISD-AJG03
EF190823.1 gg_id:242362 Evidence occurrence members genus Fibrobacter sites landfill clone Brom F10
EF190825.1 gg_id:251106 Evidence occurrence members genus Fibrobacter sites landfill clone Brom F7
AB192084.1 gg_id:141091 termite gut homogenate clone M1PT4-02
EF454459.2 gg_id:219116 termite hindgut clone 290cost002-P3L-2166
AB255935.1 gg_id:170934 Localization Cell Morphologies Members Candidate TG3 and Subphylum Phylum Fibr
AB255932.1 gg_id:172833 Localization Cell Morphologies Members Candidate TG3 and Subphylum Phylum Fibr
AB243279.1 gg_id:147943 acetone-preserved termite gut clone M2PB4a-059
AB192090.1 gg_id:142085 termite gut homogenate clone M2PT2-85
AB042056.1 gg_id:38100 Alicyclobacillus acidocaldarius str. ATCC 27009T
EU740980.1 gg_id:352119 Alicyclobacillus acidocaldarius str. DT-M7
AY573797.1 gg_id:115084 Alicyclobacillus acidoterrestris str. ATCC 49025
AB042058.1 gg_id:18608 Alicyclobacillus acidoterrestris str. DSM 3923
X51928.1 gg_id:14346 Alicyclobacillus cycloheptanicus
AB233323.1 gg_id:151272 Alicyclobacillus disulfidooxidans
AJ133633.1 gg_id:46515 Alicyclobacillus hesperidum str. FR-11
AJ564766.1 gg_id:102873 New record moss thermophilic species and physico-chemic al properties geothermal
AB084128.1 gg_id:67142 Alicyclobacillus sendaiensis str. NTAP-1
AJ133634.1 gg_id:30162 Alicyclobacillus sp. str. FR-3
AB059665.1 gg_id:38406 Alicyclobacillus acidocaldarius subsp. genomic species 1 str. DSM 455
EU680819.1 gg_id:283968 Alicyclobacillus sp. str. AYTae-7
AM749794.1 gg_id:235845 Alicyclobacillus sp. K1
EU680818.1 gg_id:284287 Alicyclobacillus sp. str. ATSae-10
AB004581.1 gg_id:14337 Alicyclobacillus sp. str. KHA-31
DQ838045.1 gg_id:170052 Alicyclobacillus acidocaldarius Tc-12-31
AB004580.1 gg_id:14336 Alicyclobacillus sp. str. MIH-2

AB275500.1	163075	5546.8	5021.9	4183.1	5197.4	6359.5	6343.4
AB275485.1	170693	9030.6	8747.1	10286.5	9287.1	8416.0	8531.4
EU473538.1	290276	6603.8	7667.6	7604.0	7575.8	14578.3	10808.1
AJ496186.1	63459	4447.4	6916.9	6536.6	4794.4	9741.1	8361.6
EU459511.1	288501	4088.8	5249.2	4809.9	4888.3	12820.6	8136.0
EU381839.1	260857	8784.9	8318.5	12787.4	9167.1	7180.7	8587.0
EU463562.1	293363	6694.9	6867.0	10542.4	11056.7	13315.5	10391.7
EU473558.1	301021	5654.1	7453.3	9280.9	6254.9	9847.2	8506.5
AB275496.1	165381	7209.1	10358.9	5087.9	5121.1	11099.5	8521.0
AB275498.1	164826	8576.4	9626.5	10967.3	7784.2	10332.4	8943.2
AB275501.1	173599	8516.2	9401.5	7747.5	7775.6	12108.4	9089.7
EU473606.1	289079	5800.5	8612.5	6526.2	4187.9	5103.5	5744.1
EU779396.1	329327	7471.8	9766.3	7686.2	4801.4	6740.0	7073.5
GU303627.1	576830	6647.2	6237.5	3766.4	7974.4	9103.8	7962.0
EF190824.1	245678	3747.3	4531.6	6225.5	5167.7	2083.5	2508.7
AM982635.2	278133	6521.2	7647.2	8167.0	7671.3	3517.1	4157.7
EF190823.1	242362	6377.5	6753.5	5780.3	7211.2	5420.6	6841.6
EF190825.1	251106	16476.6	15878.0	20099.2	16601.5	17270.0	17846.1
AB192084.1	141091	19.7	24.7	28.2	45.1	62.9	25.6
EF454459.2	219116	2355.9	3300.0	3106.1	1722.2	6668.6	8041.2
AB255935.1	170934	27.4	41.6	34.2	56.8	57.3	21.2
AB255932.1	172833	4026.5	5537.6	7289.6	3802.3	9110.3	9159.4
AB243279.1	147943	66.2	67.6	89.7	67.6	420.9	182.4
AB192090.1	142085	71.3	363.5	171.8	86.3	136.4	106.4
AB042056.1	38100	4575.6	5846.0	4085.3	3383.7	3544.5	3475.6
EU740980.1	352119	4555.4	5398.7	4278.7	3333.0	3492.5	3212.9
AY573797.1	115084	2418.5	3125.1	2633.5	3685.4	3129.5	3564.7
AB042058.1	18608	677.9	705.7	735.3	1184.3	303.3	588.1
X51928.1	14346	29.8	56.5	211.4	66.3	71.5	31.0
AB233323.1	151272	29.3	52.3	71.5	62.1	75.7	26.7
AJ133633.1	46515	163.5	266.4	509.1	231.6	474.0	556.6
AJ564766.1	102873	152.2	232.8	635.8	140.9	2436.7	95.3
AB084128.1	67142	1936.4	2323.3	2308.9	809.5	542.2	649.9
AJ133634.1	30162	5229.6	7422.1	6520.3	6809.7	7153.7	6155.3
AB059665.1	38406	2761.0	3970.5	4541.1	4130.4	3731.2	3417.6
EU680819.1	283968	4358.9	5524.4	4748.4	5073.8	5731.2	4771.8
AM749794.1	235845	5346.6	7586.3	6216.2	6551.3	7034.7	6392.9
EU680818.1	284287	5426.3	7242.4	6504.7	6615.0	7137.8	6136.2
AB004581.1	14337	6843.5	7708.4	3525.8	9446.4	9681.6	8258.4
DQ838045.1	170052	2992.2	3627.4	3354.0	3042.3	3432.7	2948.0
AB004580.1	14336	8675.2	8726.7	3230.6	10065.7	14010.7	11089.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Alicyclobacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alicyclobacillus
g__Alkalibacillus
g__Alkalibacillus
g__Alkalibacillus
g__Alkalibacillus
g__Alkalibacillus
g__Anaerobacillus
g__Anaerobacillus
g__Anaerobacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus

s__unclassified	48204
s__unclassified	48225
s__unclassified	48245
s__unclassified	48286
s__unclassified	48405
s__unclassified	48471
s__unclassified	48511
s__unclassified	48555
s__unclassified	48625
s__unclassified	48659
s__unclassified	48672
s__unclassified	48713
s__unclassified	49209
s__unclassified	49383
s__unclassified	49424
s__unclassified	49454
s__unclassified	49456
s__unclassified	49499
s__unclassified	49530
s__unclassified	49558
s__unclassified	49604
s__unclassified	49653
s__unclassified	49716
s__unclassified	49729
s__unclassified	49737
s__unclassified	49773
s__unclassified	49801
s__unclassified	49845
s__unclassified	49863
s__unclassified	49978
s__unclassified	46948
s__unclassified	47035
s__unclassified	47124
s__unclassified	48008
s__unclassified	48058
s__unclassified	48333
s__unclassified	48695
s__unclassified	49742
s__Anoxybacillus kestanbolensis	46125
s__Anoxybacillus kestanbolensis	46294
s__Anoxybacillus kestanbolensis	46705

Y07608.2 gg_id:14393 Drentse grassland soil clone DA113
DQ464146.1 gg_id:158365 acid mine drainage clone D1-23
EU571186.1 gg_id:258187 eubacterium sp. str. 23-2
EU282873.1 gg_id:236165 Alicyclobacillus sp. str. Talven1
AB264021.1 gg_id:219729 Alicyclobacillus sp. str. S-TAB
AY911435.1 gg_id:122869 rock interior clone NEC02064
AM749773.1 gg_id:255809 Isolation ing candidate division soils New Zealand steam-affected geothermal soil
AB264024.1 gg_id:218349 Alicyclobacillus sp. str. 4-A336
AB264025.1 gg_id:225783 Alicyclobacillus sp. str. 5A239-2O
AJ617864.1 gg_id:110806 oxic-anoxic interphase flooded paddy soil clone D282111
DQ444975.2 gg_id:157680 Tumebacillus permanentifrigoris str. Eur1 9.5
NR_028637.1 gg_id:571645 Alicyclobacillus acidiphilus str. TA-67; DSM 14558
NR_024753.1 gg_id:534871 Alicyclobacillus herbarius str. CP-1; DSM 13609
EU638395.1 gg_id:324634 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n
Z21979.1 gg_id:14348 Alicyclobacillus tolerans str. K1
AM749772.1 gg_id:249259 Isolation ing candidate division soils New Zealand steam-affected geothermal soil
EU137838.1 gg_id:247268 Alicyclobacillus ferrooxidans str. TC-34
AB369003.1 gg_id:559429 and microbial oils produced Asia petroleum crude oil (Arabian Extra light) clone PT-A
DQ129298.1 gg_id:138337 microarray level air two cities Texas urban aerosol clone AKIW802
AF137502.2 gg_id:71417 Alicyclobacillus tolerans str. K1
EU137837.1 gg_id:253241 Alicyclobacillus ferripilum str. TC-71
NR_024801.1 gg_id:558567 Alicyclobacillus pomorum str. 3A; DSM 14955
DQ999995.1 gg_id:207114 Isolation microorganisms undisturbed argillaceous formation under evaluation repo
EU360507.1 gg_id:263805 pilot biological ferrous iron oxidation mine water treatment plant clone W-Z-135
AB487996.1 gg_id:579786 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0
FM179383.1 gg_id:306748 Alicyclobacillus sp. str. ZJ-6
AB052970.1 gg_id:29823 this relatively close relationship to Alicyclobacillus and Sulfobacillus. However there is
AJ617865.1 gg_id:110321 oxic-anoxic interphase flooded paddy soil clone D02302
EU419142.1 gg_id:264263 Microbial and ecology selected andesitic hydrothermal acidic hydrothermally modifi
EU282871.1 gg_id:252896 Alicyclobacillus sp. str. CLA
GU001882.1 gg_id:564204 Alkalibacillus sp. str. PL203
AJ238041.1 gg_id:26016 Bacillus haloalkaliphilus str. DSM 5271T
EU874387.1 gg_id:350384 Alkalibacillus sp. str. ISL-17
X72876.1 gg_id:14602 Bacillus sp str. DSM5271
AB264528.1 gg_id:164233 Alkalibacillus silvaisolus str. BM2
GU083678.1 gg_id:579049 Microorganism Xiarinur soda lake sediment clone x95
AJ865469.1 gg_id:109033 Bacillus arseniciselenatis str. DSM 15340
EU143680.1 gg_id:239928 Bacillus alkalidiazotrophicus str. MS 6
FJ430064.1 gg_id:368030 Anoxybacillus sp. E243
AY770577.1 gg_id:108674 Anoxybacillus flavithermus str. KWF-1
FJ430004.1 gg_id:359437 Anoxybacillus sp. A402b

Y07608.2	14393	1072.3	988.8	1101.2	411.1	107.7	330.9
DQ464146.1	158365	72.2	94.3	145.9	78.9	57.5	50.4
EU571186.1	258187	4531.1	6053.9	9181.7	5374.7	2118.0	3131.0
EU282873.1	236165	54.4	931.4	569.2	107.6	92.6	85.9
AB264021.1	219729	45.5	60.0	174.7	67.0	73.4	38.1
AY911435.1	122869	32.6	47.0	36.3	65.2	71.7	33.7
AM749773.1	255809	4195.2	4282.6	3333.4	3204.2	1516.0	931.3
AB264024.1	218349	8126.8	10919.3	11688.2	10794.4	15234.4	15732.5
AB264025.1	225783	33.5	51.1	32.9	70.5	66.3	46.4
AJ617864.1	110806	674.1	1239.8	1891.7	464.0	2797.6	2698.3
DQ444975.2	157680	25.6	76.2	17.5	42.3	46.6	25.5
NR_028637.1	571645	1862.5	3661.0	3542.9	2457.9	1379.6	2422.4
NR_024753.1	534871	5331.2	7319.9	6863.6	7268.7	8114.3	7677.3
EU638395.1	324634	4465.9	3459.7	3356.2	1089.0	1142.3	1165.2
Z21979.1	14348	41.2	78.6	66.9	83.8	180.4	49.9
AM749772.1	249259	3165.6	3126.8	2500.4	1896.3	618.9	753.9
EU137838.1	247268	2177.6	1884.5	1647.4	2106.4	3232.3	2323.1
AB369003.1	559429	4897.2	7675.7	10504.8	5372.9	10271.7	7728.8
DQ129298.1	138337	458.8	593.7	216.2	711.2	556.1	370.4
AF137502.2	71417	27.6	33.8	28.6	40.2	59.6	24.5
EU137837.1	253241	3499.6	3763.5	3114.0	1754.8	1691.1	1679.8
NR_024801.1	558567	6188.0	5873.8	4689.2	1713.8	2690.7	2505.0
DQ999995.1	207114	425.4	701.6	1454.2	287.2	116.8	546.1
EU360507.1	263805	203.4	667.7	636.8	319.0	984.3	276.6
AB487996.1	579786	12704.3	15465.8	12363.0	9181.1	6308.5	8858.3
FM179383.1	306748	86.8	95.1	164.6	236.0	108.2	85.9
AB052970.1	29823	38.4	58.0	38.6	63.7	108.8	42.6
AJ617865.1	110321	647.4	950.5	1888.2	368.8	863.5	897.9
EU419142.1	264263	3670.3	3085.3	2384.7	4220.2	2509.0	3504.2
EU282871.1	252896	1821.7	3224.7	1220.4	2949.4	2711.2	2542.4
GU001882.1	564204	73.4	96.4	61.5	95.5	78.2	43.7
AJ238041.1	26016	12506.3	7699.7	8302.0	6827.4	6887.1	8786.6
EU874387.1	350384	6928.7	6890.7	3180.4	5364.5	5094.1	4637.9
X72876.1	14602	583.7	62.2	1438.4	312.7	105.8	379.3
AB264528.1	164233	625.1	1465.3	1948.5	1405.8	2763.1	4096.3
GU083678.1	579049	45.3	105.4	58.5	91.4	59.9	516.5
AJ865469.1	109033	618.4	472.9	1267.6	333.5	261.0	1453.9
EU143680.1	239928	776.5	1967.2	2321.0	834.8	746.0	962.4
FJ430064.1	368030	10741.8	11159.7	8597.2	12180.7	14493.2	15444.1
AY770577.1	108674	11539.9	9451.4	14397.1	10819.9	7471.5	9402.3
FJ430004.1	359437	738.2	1342.4	2427.6	810.7	3085.3	3396.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Anoxybacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Anoxybacillus kestanbolensis	46933
s__Anoxybacillus kestanbolensis	46945
s__Anoxybacillus kestanbolensis	47321
s__Anoxybacillus kestanbolensis	47999
s__unclassified	45910
s__unclassified	45954
s__unclassified	46175
s__unclassified	46262
s__unclassified	46574
s__unclassified	46587
s__unclassified	46598
s__unclassified	46671
s__unclassified	46901
s__unclassified	47014
s__unclassified	47041
s__unclassified	47538
s__unclassified	47814
s__unclassified	47897
s__unclassified	47898
s__unclassified	48056
s__unclassified	50785
s__Bacillus acidicola	49435
s__Bacillus acidicola	49516
s__Bacillus acidicola	49665
s__Bacillus acidicola	49933
s__Bacillus agaradhaerens	48205
s__Bacillus agaradhaerens	48448
s__Bacillus agaradhaerens	49856
s__Bacillus algicola	48985
s__Bacillus algicola	49239
s__Bacillus algicola	49480
s__Bacillus amyloliquefaciens	48206
s__Bacillus amyloliquefaciens	48234
s__Bacillus amyloliquefaciens	48249
s__Bacillus amyloliquefaciens	48261
s__Bacillus amyloliquefaciens	48274
s__Bacillus amyloliquefaciens	48280
s__Bacillus amyloliquefaciens	48301
s__Bacillus amyloliquefaciens	48320
s__Bacillus amyloliquefaciens	48335
s__Bacillus amyloliquefaciens	48345

FJ430000.1 gg_id:357979 Anoxybacillus sp. A371
FJ429993.1 gg_id:369563 Anoxybacillus sp. A321
FJ429995.1 gg_id:357983 Anoxybacillus sp. A351a
FJ430018.1 gg_id:368045 Anoxybacillus sp. D36
EF654664.1 gg_id:256759 Anoxybacillus mongoliensis str. T4
AY248707.1 gg_id:84072 Anoxybacillus gonensis str. A4
AY248708.1 gg_id:83767 Anoxybacillus gonensis str. A7
AY248706.1 gg_id:85315 Anoxybacillus gonensis str. A2
AY122325.1 gg_id:64346 Anoxybacillus gonensis str. G2T
AF004589.1 gg_id:14519 Anoxybacillus flavithermus str. DSM2641
AB234213.1 gg_id:154371 Anoxybacillus pushchinoensis str. -1
AY248709.1 gg_id:84979 Anoxybacillus kestanbolensis str. K1
FJ808726.1 gg_id:529278 Anoxybacillus gonensis str. P89
GQ342689.1 gg_id:583473 Anoxybacillus flavithermus str. HBB-134
Z26932.1 gg_id:14518 Anoxybacillus flavithermus str. DSM 2641
AF001962.1 gg_id:14523 Anoxybacillus flavithermus AB03
FJ430043.1 gg_id:359099 Anoxybacillus sp. D486
FJ430012.1 gg_id:362918 Geobacillus sp. C161ab
DQ452021.1 gg_id:223469 Anoxybacillus sp. FB7
FJ808725.1 gg_id:523983 Anoxybacillus gonensis str. P39
FJ430059.1 gg_id:363871 Anoxybacillus sp. E184aa
NR_024690.1 gg_id:567725 Bacillus carboniphilus str. JCM9731
GQ389780.1 gg_id:573608 Bacillus acidicola str. TSAS-1
AF547209.1 gg_id:71698 Bacillus acidogenesis str. 105-2
GU263833.1 gg_id:549331 Bacillus sp. str. HB09009
AF140005.1 gg_id:14502 Bacillus sp. str. ML-172
AY669375.1 gg_id:101461 Bacillus sp. str. SFB
EU432565.1 gg_id:269646 Bacillus sp. str. 10089
EU818841.1 gg_id:307283 Bacillus sp. str. FR
NR_029077.1 gg_id:580042 Bacillus algicola str. F12; KMM 3737
DQ001307.1 gg_id:120601 Bacillus algicola str. SB9
EF644413.1 gg_id:243575 Bacillus licheniformis str. RT2
EU266071.1 gg_id:251410 Bacillus subtilis str. ZJ06
GQ395247.1 gg_id:552345 Bacillus subtilis str. BRZ6
GQ482982.1 gg_id:568039 Bacillus subtilis str. AMR
EF601577.1 gg_id:229131 Bacillus licheniformis str. BL43
AY462196.1 gg_id:110378 Bacillus subtilis str. DF3
EF473134.1 gg_id:227033 Bacillus subtilis qd382
AB301017.1 gg_id:244529 Bacillus amyloliquefaciens str. GH14
EF666489.1 gg_id:253477 Bacillus subtilis str. 0G
AY867792.1 gg_id:110184 Bacillus subtilis str. C2

FJ430000.1	357979	4926.5	5521.2	1962.5	6679.1	7712.8	5672.6
FJ429993.1	369563	1961.8	1959.1	1183.4	1771.5	5517.4	3908.8
FJ429995.1	357983	8993.4	9969.9	12855.5	9242.9	10707.4	8586.3
FJ430018.1	368045	3335.2	4441.8	2742.6	3498.5	3950.8	4356.5
EF654664.1	256759	918.3	999.9	2538.2	1528.2	283.9	970.5
AY248707.1	84072	505.0	800.8	1369.0	747.8	230.5	1216.0
AY248708.1	83767	10995.0	11301.1	7289.3	8577.9	11551.0	9868.0
AY248706.1	85315	29.1	177.3	98.8	76.6	84.6	128.5
AY122325.1	64346	639.0	829.0	1279.2	1090.2	810.7	1152.1
AF004589.1	14519	599.6	856.2	804.3	464.3	163.2	599.5
AB234213.1	154371	1072.3	1166.9	2824.5	1739.0	437.2	1589.9
AY248709.1	84979	2238.9	2750.4	1286.9	3346.5	4333.0	3093.9
FJ808726.1	529278	735.6	639.5	2089.6	1399.7	278.1	594.9
GQ342689.1	583473	184.3	375.9	758.6	430.3	142.9	352.2
Z26932.1	14518	350.7	713.2	1190.9	595.2	210.6	934.9
AF001962.1	14523	1912.1	1947.3	5246.7	2250.9	5334.7	6045.9
FJ430043.1	359099	1880.4	2186.7	1249.7	2175.0	1975.5	2338.4
FJ430012.1	362918	684.6	1132.9	1278.3	346.1	580.3	2038.1
DQ452021.1	223469	470.4	689.1	1189.8	510.3	586.1	1501.3
FJ808725.1	523983	6647.5	7438.9	6384.0	9162.2	1853.6	3635.4
FJ430059.1	363871	8941.2	8611.6	8236.1	9427.9	8733.0	9373.5
NR_024690.1	567725	214.9	312.4	492.9	235.1	598.0	606.3
GQ389780.1	573608	4615.6	3644.1	4671.2	5467.6	8144.2	7498.5
AF547209.1	71698	10112.0	7767.9	3858.0	9006.1	5243.3	7275.5
GU263833.1	549331	120.3	182.1	484.8	102.3	105.1	711.9
AF140005.1	14502	5375.1	4881.8	3600.3	5563.8	4996.0	3560.5
AY669375.1	101461	1491.8	5435.8	5871.8	1625.8	1509.9	4747.8
EU432565.1	269646	1854.0	1824.7	1259.6	2035.4	354.1	975.3
EU818841.1	307283	3969.7	4163.5	4695.1	3603.7	1382.8	2871.3
NR_029077.1	580042	618.3	1757.5	1919.3	632.6	426.3	1545.0
DQ001307.1	120601	6857.3	7219.7	3988.0	5866.4	8933.7	6812.9
EF644413.1	243575	247.3	775.7	522.8	509.7	816.4	2155.0
EU266071.1	251410	373.4	523.4	143.8	102.8	54.0	691.9
GQ395247.1	552345	2610.7	3305.2	4179.6	3670.8	2910.4	5394.7
GQ482982.1	568039	3617.3	4248.4	3391.4	4085.6	4610.2	6238.1
EF601577.1	229131	4652.1	4760.1	3655.3	6770.4	5321.7	7059.0
AY462196.1	110378	3375.4	3503.9	3129.8	3733.4	2704.1	3738.1
EF473134.1	227033	439.3	657.6	668.3	250.1	102.9	1889.8
AB301017.1	244529	6337.6	6961.6	10669.5	8706.9	10217.1	12134.7
EF666489.1	253477	5686.2	7970.2	3624.6	4340.2	12781.6	8880.5
AY867792.1	110184	3283.1	3439.6	5372.4	1851.3	2111.1	3388.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus amyloliquefaciens	48346
s__Bacillus amyloliquefaciens	48384
s__Bacillus amyloliquefaciens	48394
s__Bacillus amyloliquefaciens	48431
s__Bacillus amyloliquefaciens	48461
s__Bacillus amyloliquefaciens	48468
s__Bacillus amyloliquefaciens	48474
s__Bacillus amyloliquefaciens	48482
s__Bacillus amyloliquefaciens	48488
s__Bacillus amyloliquefaciens	48503
s__Bacillus amyloliquefaciens	48518
s__Bacillus amyloliquefaciens	48523
s__Bacillus amyloliquefaciens	48550
s__Bacillus amyloliquefaciens	48565
s__Bacillus amyloliquefaciens	48575
s__Bacillus amyloliquefaciens	48586
s__Bacillus amyloliquefaciens	48598
s__Bacillus amyloliquefaciens	48605
s__Bacillus amyloliquefaciens	48626
s__Bacillus amyloliquefaciens	48644
s__Bacillus amyloliquefaciens	48681
s__Bacillus amyloliquefaciens	48712
s__Bacillus amyloliquefaciens	48720
s__Bacillus amyloliquefaciens	48721
s__Bacillus amyloliquefaciens	48732
s__Bacillus amyloliquefaciens	48737
s__Bacillus amyloliquefaciens	48742
s__Bacillus amyloliquefaciens	48790
s__Bacillus amyloliquefaciens	48802
s__Bacillus amyloliquefaciens	48812
s__Bacillus amyloliquefaciens	48820
s__Bacillus amyloliquefaciens	48826
s__Bacillus amyloliquefaciens	48828
s__Bacillus amyloliquefaciens	48841
s__Bacillus amyloliquefaciens	48843
s__Bacillus amyloliquefaciens	48872
s__Bacillus amyloliquefaciens	48888
s__Bacillus amyloliquefaciens	48919
s__Bacillus amyloliquefaciens	48937
s__Bacillus amyloliquefaciens	48944
s__Bacillus amyloliquefaciens	48949

EU257447.1 gg_id:257974 Bacillus subtilis C3-1
DQ020262.1 gg_id:137286 Bacillus licheniformis str. NK-03
DQ177319.1 gg_id:154463 Bacillus amyloliquefaciens str. ES-2
EU287474.1 gg_id:561458 Bacillus subtilis str. GB13.1
EU153188.1 gg_id:251519 Bacillus subtilis str. JPC-2
AY176764.1 gg_id:78954 Bacillus subtilis str. HJ11
EU231615.1 gg_id:251510 Bacillus subtilis str. TCCC17018
EU071588.1 gg_id:257280 Bacillus vallismortis str. EHFS2_S05Hc
EU586781.1 gg_id:275467 Bacillus amyloliquefaciens str. MZ-15
AF058766.1 gg_id:14746 Bacillus subtilis str. TB11
EU826022.1 gg_id:330407 Bacillus subtilis str. CDB10
FJ435222.1 gg_id:358462 Bacillus licheniformis str. 11
EU056571.1 gg_id:251864 Bacillus subtilis SK1
EF428249.2 gg_id:220863 Bacillus subtilis str. HDYM-25
EF523474.1 gg_id:225817 Bacillus subtilis str. BSD-2
GQ470398.1 gg_id:539478 Bacillus amyloliquefaciens str. DQgbc5
EU000054.1 gg_id:255395 Bacillus subtilis str. DA7
GQ375224.1 gg_id:581016 Bacillus amyloliquefaciens str. CICC 23281
GU191908.1 gg_id:576361 Bacillus amyloliquefaciens str. SB 3296
EU373407.1 gg_id:271231 Bacillus subtilis str. YRL02
NC_009725.1 gg_id:242701 Bacillus amyloliquefaciens str. FZB42
EF582414.1 gg_id:229868 Bacillus subtilis str. HDYM-10
FJ386541.1 gg_id:356981 Bacillus vallismortis str. ST47
EF178293.1 gg_id:227954 Bacillus subtilis str. Jaas ed1
AB301022.1 gg_id:247117 Bacillus amyloliquefaciens str. GH48
AY462217.1 gg_id:109513 Bacillus subtilis str. DF61
EU334511.1 gg_id:252911 Bacillus subtilis str. 49b
FJ755787.1 gg_id:555072 Bacillus subtilis str. BS501a
AF447803.1 gg_id:32902 Bacillus subtilis str. A184
AY971357.1 gg_id:115356 Bacillus subtilis str. CICC10090
DQ402043.1 gg_id:185877 Bacillus subtilis str. EJH-1
EU660328.1 gg_id:296418 Bacillus subtilis str. CM15
EU884650.1 gg_id:317915 Bacillus subtilis str. Ht01
AY296804.1 gg_id:105773 Bacillus subtilis str. IBT012
AY279207.1 gg_id:87398 Bacillus subtilis str. HA401
FJ889051.1 gg_id:521011 Bacillus amyloliquefaciens str. Bac7M3
AB115959.1 gg_id:91208 Bacillus subtilis str. KT1003
GQ395245.1 gg_id:584805 Bacillus subtilis str. Czk1(BRZ1)
EF101720.1 gg_id:194233 Bacillus subtilis str. HU83
EU056572.1 gg_id:244688 Bacillus subtilis K1
EU373438.1 gg_id:273306 Bacillus subtilis str. YRR10

EU257447.1	257974	716.1	1005.2	686.6	279.0	1002.6	1597.8
DQ020262.1	137286	1673.1	784.9	1672.5	1646.7	757.5	806.9
DQ177319.1	154463	4326.0	7736.5	2277.3	4064.3	11809.9	8994.4
EU287474.1	561458	666.9	802.9	550.5	307.3	251.6	1095.2
EU153188.1	251519	13959.3	14973.7	9633.9	9980.5	12333.8	13054.5
AY176764.1	78954	11081.3	11617.8	7478.6	7771.4	12750.2	11053.8
EU231615.1	251510	372.7	634.3	905.2	338.2	842.4	2623.9
EU071588.1	257280	1719.6	1635.5	181.8	154.9	2714.3	1133.7
EU586781.1	275467	2760.7	2261.8	2182.8	2153.0	2057.5	3118.1
AF058766.1	14746	1546.0	2225.3	5968.3	3294.3	3304.3	4220.3
EU826022.1	330407	1572.6	1857.7	1621.3	1846.1	3966.4	3511.4
FJ435222.1	358462	7578.1	5073.2	13791.7	6149.8	8233.7	6392.3
EU056571.1	251864	1399.7	2222.6	2049.4	1300.8	2275.2	2161.2
EF428249.2	220863	6011.5	6916.3	4922.7	7462.0	10662.9	9235.7
EF523474.1	225817	2991.5	2411.8	3093.7	2651.2	1989.6	4083.0
GQ470398.1	539478	432.7	893.4	1171.9	478.7	992.4	789.9
EU000054.1	255395	778.2	869.8	296.9	500.3	178.4	1128.4
GQ375224.1	581016	512.2	975.6	707.5	262.6	94.0	2329.8
GU191908.1	576361	1583.6	1857.7	1594.9	1810.6	3979.7	2947.5
EU373407.1	271231	7160.7	8887.0	5921.4	7429.7	10434.1	9467.4
NC_009725.1	242701	164.0	194.3	372.9	181.1	80.8	1782.0
EF582414.1	229868	7533.7	7823.6	6305.9	8089.0	8291.6	7749.3
FJ386541.1	356981	203.5	392.5	445.6	229.4	107.7	1148.1
EF178293.1	227954	1486.4	985.4	1271.5	3630.2	562.3	501.4
AB301022.1	247117	923.5	1154.8	1290.2	1600.9	1538.7	2061.1
AY462217.1	109513	3585.3	3366.0	3141.2	3730.2	2697.9	3531.3
EU334511.1	252911	403.2	733.8	207.9	323.8	272.7	1318.1
FJ755787.1	555072	337.9	825.5	466.7	376.0	115.6	2618.1
AF447803.1	32902	11248.4	11404.6	12420.9	10391.7	10770.2	9939.3
AY971357.1	115356	6641.0	6841.6	4781.1	7127.9	6388.5	7043.7
DQ402043.1	185877	2778.9	3351.6	1873.4	2194.3	2837.5	3637.8
EU660328.1	296418	161.1	413.8	576.6	129.8	66.8	682.5
EU884650.1	317915	4542.0	4493.0	4074.2	5184.2	3961.9	5077.4
AY296804.1	105773	4220.8	5567.0	2192.2	3534.1	3834.3	4186.5
AY279207.1	87398	1452.8	2209.7	1323.1	2084.9	958.8	1339.2
FJ889051.1	521011	192.9	244.3	341.1	124.1	751.7	536.7
AB115959.1	91208	920.1	981.3	2799.6	427.0	240.6	2205.7
GQ395245.1	584805	814.7	1128.7	701.9	271.2	868.2	1237.3
EF101720.1	194233	1231.6	1447.9	847.5	1935.4	4475.8	4099.0
EU056572.1	244688	881.3	1257.5	1148.7	371.0	948.4	2898.5
EU373438.1	273306	1041.1	549.6	924.2	1324.9	581.4	1254.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus amyloliquefaciens	48959
s__Bacillus amyloliquefaciens	48989
s__Bacillus amyloliquefaciens	49001
s__Bacillus amyloliquefaciens	49026
s__Bacillus amyloliquefaciens	49041
s__Bacillus amyloliquefaciens	49053
s__Bacillus amyloliquefaciens	49078
s__Bacillus amyloliquefaciens	49083
s__Bacillus amyloliquefaciens	49087
s__Bacillus amyloliquefaciens	49114
s__Bacillus amyloliquefaciens	49116
s__Bacillus amyloliquefaciens	49125
s__Bacillus amyloliquefaciens	49130
s__Bacillus amyloliquefaciens	49145
s__Bacillus amyloliquefaciens	49190
s__Bacillus amyloliquefaciens	49196
s__Bacillus amyloliquefaciens	49224
s__Bacillus amyloliquefaciens	49241
s__Bacillus amyloliquefaciens	49247
s__Bacillus amyloliquefaciens	49300
s__Bacillus amyloliquefaciens	49302
s__Bacillus amyloliquefaciens	49318
s__Bacillus amyloliquefaciens	49352
s__Bacillus amyloliquefaciens	49358
s__Bacillus amyloliquefaciens	49361
s__Bacillus amyloliquefaciens	49378
s__Bacillus amyloliquefaciens	49393
s__Bacillus amyloliquefaciens	49420
s__Bacillus amyloliquefaciens	49428
s__Bacillus amyloliquefaciens	49431
s__Bacillus amyloliquefaciens	49438
s__Bacillus amyloliquefaciens	49447
s__Bacillus amyloliquefaciens	49478
s__Bacillus amyloliquefaciens	49494
s__Bacillus amyloliquefaciens	49520
s__Bacillus amyloliquefaciens	49524
s__Bacillus amyloliquefaciens	49525
s__Bacillus amyloliquefaciens	49542
s__Bacillus amyloliquefaciens	49543
s__Bacillus amyloliquefaciens	49560
s__Bacillus amyloliquefaciens	49563

CP000560.1 gg_id:254750 Bacillus amyloliquefaciens str. FZB42
EF101711.1 gg_id:199319 Bacillus subtilis str. HU1
AF199464.1 gg_id:24734 Bacillus subtilis str. MK007
GU122961.1 gg_id:527139 Bacillus subtilis str. DBTMAR
EU852930.1 gg_id:558874 Bacillus velezensis str. B-42
AB301010.1 gg_id:241568 Bacillus amyloliquefaciens str. GH40
EU326481.1 gg_id:256348 Bacillus subtilis str. K22-13
EF634451.1 gg_id:278883 Bacillus subtilis str. B1
AB300817.1 gg_id:243193 Bacillus amyloliquefaciens str. Y13
GU085100.1 gg_id:590325 Bacillus amyloliquefaciens str. BI2
GU368920.1 gg_id:551967 Bacillus amyloliquefaciens str. LBM 5006 I3
EF582419.1 gg_id:230001 Bacillus subtilis str. HDYM-31
EF646150.1 gg_id:264047 Bacillus vallismortis str. BIT-33
EU334105.1 gg_id:251858 Bacillus subtilis str. EXWB1-26
AB301004.1 gg_id:237064 Bacillus amyloliquefaciens str. GH3
AB547229.1 gg_id:529413 Bacillus amyloliquefaciens str. NCCP-49
EU257444.1 gg_id:252115 Bacillus subtilis C4-1
EU871706.1 gg_id:316462 Bacillus subtilis str. Kb003
EF101716.1 gg_id:188219 Bacillus subtilis str. HU63
DQ659145.1 gg_id:169741 Bacillus polyfermenticus str. GR010
EU736102.1 gg_id:356656 Bacillus subtilis str. CD-10
EU360724.1 gg_id:268146 Bacillus subtilis str. BF11
AB300807.1 gg_id:239288 Bacillus amyloliquefaciens str. TC4
DQ201643.1 gg_id:140572 Bacillus subtilis str. QDY1515
EU257437.1 gg_id:254330 Bacillus subtilis C12-2
GU122948.1 gg_id:553418 Bacillus amyloliquefaciens str. DBT3SC3
AB300805.1 gg_id:241816 Bacillus amyloliquefaciens str. R9
AY808064.1 gg_id:113038 Bacillus subtilis str. B53
EU257433.1 gg_id:241486 Bacillus subtilis B010
DQ779885.1 gg_id:169394 Bacillus subtilis str. PCL1612
AY973493.1 gg_id:115203 Bacillus subtilis str. KCC103
EF528267.1 gg_id:224502 Bacillus subtilis str. CICCHLJ Q42
AY603963.1 gg_id:102408 Bacillus subtilis str. RAZ01
EF517122.1 gg_id:226180 Bacillus subtilis str. JKB-8
EU862566.1 gg_id:308253 Bacillus subtilis str. ABc0
FJ157236.1 gg_id:345338 Bacillus subtilis str. FM-R3
AB211023.1 gg_id:115299 Bacillus subtilis str. SSCS21-1
EU586780.1 gg_id:277086 Bacillus amyloliquefaciens str. MZ-40
GQ302520.1 gg_id:576407 Bacillus subtilis str. BP-5
EF488170.1 gg_id:301350 Bacillus subtilis str. SC2-4
DQ415893.3 gg_id:150939 Bacillus subtilis str. MA139

CP000560.1	254750	715.1	1003.0	686.7	275.3	929.6	1600.3
EF101711.1	199319	8928.8	7735.0	4244.5	8657.4	9491.6	7361.9
AF199464.1	24734	537.1	811.9	1691.0	767.9	1362.8	1802.0
GU122961.1	527139	8898.9	8153.4	2814.2	6662.7	1333.4	4662.1
EU852930.1	558874	152.6	318.9	406.6	418.6	448.0	1198.7
AB301010.1	241568	640.3	980.3	1093.2	669.0	626.1	1808.3
EU326481.1	256348	6269.9	8817.0	3720.4	5153.3	9520.7	8996.6
EF634451.1	278883	4512.6	6796.9	5237.0	4220.4	10533.6	9245.1
AB300817.1	243193	507.5	800.2	980.1	512.8	1664.2	4557.8
GU085100.1	590325	959.1	973.0	612.8	261.5	903.1	1702.5
GU368920.1	551967	857.1	1247.9	480.3	780.1	1584.5	718.5
EF582419.1	230001	1652.4	2115.3	1672.3	1684.3	3245.0	3725.1
EF646150.1	264047	1552.3	2119.5	1781.5	1690.8	3881.4	3547.2
EU334105.1	251858	143.8	562.2	465.0	318.4	128.6	552.5
AB301004.1	237064	64.0	554.6	255.1	97.3	59.8	175.3
AB547229.1	529413	587.6	658.6	140.5	124.4	80.6	749.2
EU257444.1	252115	1623.8	1981.4	1774.3	1680.9	3870.0	3804.9
EU871706.1	316462	307.8	580.4	236.8	160.0	69.7	1107.0
EF101716.1	188219	629.0	1234.2	1449.0	1036.6	5326.9	5183.8
DQ659145.1	169741	557.3	821.4	1556.3	506.1	1278.7	1483.2
EU736102.1	356656	4176.1	4256.3	3776.6	3696.6	3263.6	3978.9
EU360724.1	268146	10710.7	10612.7	6953.8	8477.0	11104.5	11504.4
AB300807.1	239288	1661.8	2117.5	1782.9	1690.5	3535.6	3818.8
DQ201643.1	140572	1883.5	2361.8	1523.2	604.3	2961.9	3030.2
EU257437.1	254330	4624.2	4327.7	1631.1	5714.8	9695.4	7716.5
GU122948.1	553418	3893.4	3701.4	1366.9	6566.1	8139.7	6016.8
AB300805.1	241816	1690.5	1851.4	1481.2	1802.9	2865.8	2718.4
AY808064.1	113038	200.5	442.6	559.6	253.5	367.7	1607.3
EU257433.1	241486	6334.2	7290.6	5178.3	5515.3	10785.2	9579.2
DQ779885.1	169394	6679.5	8667.0	3420.9	5157.6	8118.3	8195.7
AY973493.1	115203	776.1	866.4	323.8	519.0	194.0	1222.3
EF528267.1	224502	591.9	829.0	513.8	195.0	157.0	533.1
AY603963.1	102408	3665.8	3488.7	3842.3	3778.7	2696.8	3910.2
EF517122.1	226180	5672.9	8468.9	4230.0	5071.9	13017.8	10851.5
EU862566.1	308253	715.2	942.5	682.2	263.2	1001.2	1594.5
FJ157236.1	345338	1483.8	1548.9	1137.9	477.4	316.4	837.0
AB211023.1	115299	1128.0	1689.5	1249.9	1613.7	1501.5	2268.5
EU586780.1	277086	12808.8	13474.8	10783.6	9947.3	10685.9	11476.0
GQ302520.1	576407	3658.1	3479.5	3309.2	3794.2	2539.7	3990.1
EF488170.1	301350	5510.6	6446.1	4927.5	5403.8	6937.7	7066.3
DQ415893.3	150939	1503.1	1786.2	1633.5	1637.5	3245.0	3311.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus amyloliquefaciens	49566
s__Bacillus amyloliquefaciens	49571
s__Bacillus amyloliquefaciens	49601
s__Bacillus amyloliquefaciens	49634
s__Bacillus amyloliquefaciens	49647
s__Bacillus amyloliquefaciens	49667
s__Bacillus amyloliquefaciens	49682
s__Bacillus amyloliquefaciens	49704
s__Bacillus amyloliquefaciens	49733
s__Bacillus amyloliquefaciens	49776
s__Bacillus amyloliquefaciens	49789
s__Bacillus amyloliquefaciens	49805
s__Bacillus amyloliquefaciens	49852
s__Bacillus amyloliquefaciens	49855
s__Bacillus amyloliquefaciens	49882
s__Bacillus amyloliquefaciens	49904
s__Bacillus amyloliquefaciens	49905
s__Bacillus amyloliquefaciens	49906
s__Bacillus amyloliquefaciens	49943
s__Bacillus amyloliquefaciens	49953
s__Bacillus amyloliquefaciens	49973
s__Bacillus amyloliquefaciens	49977
s__Bacillus anthracis	42594
s__Bacillus anthracis	42681
s__Bacillus anthracis	42712
s__Bacillus anthracis	42736
s__Bacillus anthracis	42907
s__Bacillus anthracis	42944
s__Bacillus anthracis	43039
s__Bacillus anthracis	43134
s__Bacillus anthracis	43229
s__Bacillus anthracis	43239
s__Bacillus anthracis	43318
s__Bacillus anthracis	43353
s__Bacillus anthracis	43456
s__Bacillus anthracis	43531
s__Bacillus anthracis	43556
s__Bacillus anthracis	43570
s__Bacillus anthracis	43588
s__Bacillus anthracis	43599
s__Bacillus anthracis	43606

GQ280076.1 gg_id:586212 Bacillus subtilis str. JS-6
AB301005.1 gg_id:249249 Bacillus amyloliquefaciens str. GH5
AB210968.1 gg_id:115303 Bacillus subtilis str. SSCT68
GQ395343.1 gg_id:545673 Bacillus subtilis str. VITSCCr01
EU753871.1 gg_id:309228 Bacillus subtilis str. Bs9-1
EU257439.1 gg_id:241982 Bacillus subtilis C9-2
EU257441.1 gg_id:245083 Bacillus subtilis C11-3
AB055007.1 gg_id:45034 Bacillus subtilis str. MC-11
EF428250.2 gg_id:221170 Bacillus subtilis str. HDYM-26
AY462197.1 gg_id:109743 Bacillus subtilis str. DF7
FJ598009.1 gg_id:575750 Bacillus subtilis str. B106
EU100745.1 gg_id:239193 Bacillus subtilis str. ZJ8112
EU124556.1 gg_id:245776 Bacillus subtilis str. OSS 5
FJ966219.1 gg_id:572738 Bacillus subtilis str. Bio AA1
EU373330.1 gg_id:265541 Bacillus subtilis str. HNL01
EU722405.1 gg_id:354353 Bacillus subtilis str. E20
EU373397.1 gg_id:270586 Bacillus subtilis str. TPR02
EU266581.1 gg_id:255824 Bacillus subtilis str. K 3; SLU 3
EU884651.1 gg_id:319039 Bacillus subtilis str. HUSS-4AG
EF517121.1 gg_id:224820 Bacillus subtilis str. JKC-13
EU882847.1 gg_id:344584 Bacillus subtilis str. M6-7
FJ867945.1 gg_id:552423 Bacillus subtilis str. HUB-004
AM778999.1 gg_id:559860 Bacillus thuringiensis str. SBS-BT3
ABDA02000001.1 gg_id:319697 Bacillus cereus str. AH1134
AE016877.1 gg_id:148198 Bacillus cereus str. ATCC 14579
AE016877.1 gg_id:148282 Bacillus cereus str. ATCC 14579
AY224383.1 gg_id:107220 Bacillus cereus str. BGSC 6A5
NC_012472.1 gg_id:471271 Bacillus cereus str. 03BB102
AY138270.1 gg_id:70008 Bacillus cereus str. H1439
NC_006274.1 gg_id:129290 Bacillus cereus E33L str. ZK
CP001283.1 gg_id:531130 Bacillus cereus str. AH820
CP001186.1 gg_id:526210 Bacillus cereus str. G9842
CP001177.1 gg_id:523696 Bacillus cereus str. AH187
NC_005957.1 gg_id:128891 Bacillus thuringiensis serovar konkukian str. 97-27
CP001177.1 gg_id:523693 Bacillus cereus str. AH187
AY224381.1 gg_id:129292 Bacillus cereus str. BGSC 6A5
CP001215.1 gg_id:520191 Bacillus anthracis str. CDC 684
ABKF01000014.1 gg_id:266909 Bacillus anthracis str. A0193
CP000001.1 gg_id:128982 Bacillus cereus str. E33L
NC_003909.8 gg_id:128527 Bacillus cereus str. ATCC 10987
NZ_ABDK01000012.1 gg_id:263541 Bacillus cereus str. NVH0597-99

GQ280076.1	586212	623.0	843.8	1354.5	1549.8	734.9	1985.4
AB301005.1	249249	775.1	953.0	1016.1	323.1	835.0	2510.2
AB210968.1	115303	1095.6	1638.3	1271.3	1633.8	1511.9	2487.3
GQ395343.1	545673	2130.1	1866.3	2547.9	2162.7	1522.1	4357.2
EU753871.1	309228	1097.8	1645.4	968.3	717.7	597.1	2136.4
EU257439.1	241982	8632.4	6787.0	5700.1	8651.4	6153.5	7566.9
EU257441.1	245083	442.1	719.8	640.9	185.4	77.1	920.9
AB055007.1	45034	4027.5	4615.6	2420.5	2541.3	3478.5	4144.6
EF428250.2	221170	404.3	879.4	846.8	359.8	1205.6	2177.6
AY462197.1	109743	7074.7	8480.0	4053.5	6382.2	7508.0	8207.6
FJ598009.1	575750	117.6	326.5	313.3	369.5	216.7	472.8
EU100745.1	239193	729.5	982.7	798.2	534.8	1032.0	1845.8
EU124556.1	245776	679.3	1021.3	716.1	273.5	876.8	2192.6
FJ966219.1	572738	1245.6	1220.9	238.8	273.7	169.0	156.7
EU373330.1	265541	8527.2	8668.1	7366.3	9694.3	11687.9	10564.2
EU722405.1	354353	542.6	960.9	2015.7	392.1	1472.7	1886.5
EU373397.1	270586	565.1	859.8	1673.7	773.1	1283.6	1649.1
EU266581.1	255824	2702.8	3009.3	2728.7	1934.8	7134.0	5091.3
EU884651.1	319039	289.0	783.9	529.7	522.5	826.9	1977.6
EF517121.1	224820	1537.0	1968.4	1180.1	1854.1	1115.2	1924.9
EU882847.1	344584	681.6	1014.8	691.0	254.9	860.1	2075.3
FJ867945.1	552423	3213.4	3211.1	605.4	1485.4	2504.1	3238.9
AM778999.1	559860	11372.3	15446.0	9281.7	8255.7	11793.2	11599.8
ABDA02000001.1	319697	174.3	568.9	450.0	219.3	124.7	1840.2
AE016877.1	148198	84.1	208.6	235.0	138.3	105.6	1067.5
AE016877.1	148282	164.9	576.1	482.2	219.4	120.0	1794.4
AY224383.1	107220	331.3	606.5	794.6	375.6	337.8	1524.6
NC_012472.1	471271	88.3	260.8	449.9	157.6	77.6	1429.5
AY138270.1	70008	187.4	554.5	1151.4	249.4	83.5	1887.1
NC_006274.1	129290	83.9	227.4	283.3	155.6	105.0	1026.1
CP001283.1	531130	146.2	259.2	575.9	179.5	99.1	2337.1
CP001186.1	526210	62.0	145.1	206.1	73.4	64.0	311.9
CP001177.1	523696	262.0	381.8	610.9	305.3	204.3	1288.8
NC_005957.1	128891	139.7	595.8	974.4	306.3	117.0	2220.5
CP001177.1	523693	148.3	541.1	1162.5	471.3	130.4	2731.1
AY224381.1	129292	633.8	1286.9	922.6	513.3	646.9	3086.4
CP001215.1	520191	102.4	371.7	765.9	244.0	97.8	1698.5
ABKF01000014.1	266909	117.1	408.8	673.7	236.6	95.8	2096.7
CP000001.1	128982	2274.0	2412.7	2294.0	766.2	1093.4	3127.2
NC_003909.8	128527	355.7	677.8	1385.5	356.3	99.9	3325.3
NZ_ABDK01000012.1	263541	214.5	880.8	1242.8	445.2	267.3	2925.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus anthracis	43631
s__Bacillus anthracis	43666
s__Bacillus anthracis	43690
s__Bacillus anthracis	43695
s__Bacillus anthracis	43709
s__Bacillus anthracis	43754
s__Bacillus anthracis	43770
s__Bacillus anthracis	43869
s__Bacillus anthracis	43908
s__Bacillus anthracis	43933
s__Bacillus anthracis	43943
s__Bacillus anthracis	43950
s__Bacillus anthracis	43962
s__Bacillus anthracis	44017
s__Bacillus asahii	48398
s__Bacillus aurantiacus	48228
s__Bacillus aurantiacus	48498
s__Bacillus aurantiacus	49899
s__Bacillus badius	42529
s__Bacillus badius	42569
s__Bacillus badius	42593
s__Bacillus badius	42860
s__Bacillus badius	42987
s__Bacillus badius	43084
s__Bacillus badius	43781
s__Bacillus baekryungensis	49471
s__Bacillus baekryungensis	49791
s__Bacillus barbaricus	49035
s__Bacillus barbaricus	49165
s__Bacillus barbaricus	49335
s__Bacillus barbaricus	49902
s__Bacillus clausii	48389
s__Bacillus clausii	49308
s__Bacillus clausii	49756
s__Bacillus clausii	49918
s__Bacillus coagulans	43747
s__Bacillus coahuilensis	49484
s__Bacillus cohnii	45941
s__Bacillus cohnii	46971
s__Bacillus cohnii	47727
s__Bacillus cytotoxicus	46069

CP001283.1 gg_id:531122 Bacillus cereus str. AH820
NC_005957.1 gg_id:128895 Bacillus thuringiensis serovar konkukian str. 97-27
NC_012659.1 gg_id:471241 Bacillus anthracis str. A0248
CP001177.1 gg_id:523695 Bacillus cereus str. AH187
NZ_ABCZ01000014.1 gg_id:261842 Bacillus cereus str. W
CP001186.1 gg_id:526217 Bacillus cereus str. G9842
CP001186.1 gg_id:526218 Bacillus cereus str. G9842
NC_005957.1 gg_id:128893 Bacillus thuringiensis serovar konkukian str. 97-27
CP001177.1 gg_id:523690 Bacillus cereus str. AH187
CP001283.1 gg_id:531129 Bacillus cereus str. AH820
CP000227.1 gg_id:522652 Bacillus cereus str. Q1
CP001176.1 gg_id:515925 Bacillus cereus str. B4264
NZ_AAUE01000002.1 gg_id:266804 Bacillus cereus str. AH820
CP001177.1 gg_id:523691 Bacillus cereus str. AH187
NR_024817.1 gg_id:536739 Bacillus asahii str. MA001; FERM BP-4493
AJ605772.2 gg_id:162067 Bacillus sp. str. K1-10
AJ606036.2 gg_id:163130 Bacillus sp. str. B1-1
AJ605773.3 gg_id:191440 Bacillus sp. K1-5
AB211021.1 gg_id:115202 Bacillus subtilis str. SSCS22-1
EU070356.1 gg_id:278527 Bacillus sp. str. B247Ydz-hn
DQ870720.1 gg_id:224292 Bacillus badius str. LMtotJ2
GQ497939.1 gg_id:545039 Bacillus badius str. KO_CM52
X62178.1 gg_id:14618 Bacillus aminovorans str. NCIMB 8292
AB425362.1 gg_id:526725 Bacillus sp. str. S207
EU169170.1 gg_id:246151 Bacillus badius str. B22
AY505500.1 gg_id:99298 Bacillus baekryungensis str. GSP36
FJ907965.1 gg_id:556964 Bacillus baekryungensis str. LY096
FJ999563.1 gg_id:400929 Bacillus arsenicus str. HLSB44
AJ422145.1 gg_id:103946 Bacillus barbaricus str. V2-BIII-A2
GQ200827.1 gg_id:545867 Bacillus barbaricus str. P2
EU867386.1 gg_id:548056 Bacillus barbaricus str. CCGE2121
EU373318.1 gg_id:272802 Bacillus clausii str. SSR06
AY066000.1 gg_id:17073 Bacillus clausii str. za-w-3
EU571192.1 gg_id:262229 Bacillus sp. str. 25-4
AF329474.1 gg_id:71598 Bacillus clausii str. LMG 19610
GU296472.1 gg_id:565057 Engineered heat treated methanogenic granules (EHTG): promising biotechnological
EF014452.1 gg_id:178543 Bacillus coahuilensis str. m4-4
EF428124.1 gg_id:260802 Bacillus sp. str. LL2
FJ973533.1 gg_id:409809 Bacillus cohnii str. NBPP99 B99
AB023412.1 gg_id:14683 Bacillus cohnii str. YN-2000
AM747232.1 gg_id:242373 Bacillus cereus str. INRA AF2

CP001283.1	531122	77.5	214.6	282.0	146.5	98.9	865.4
NC_005957.1	128895	126.9	528.6	1052.8	449.1	127.9	2203.6
NC_012659.1	471241	138.4	598.6	1012.0	304.2	122.8	2218.4
CP001177.1	523695	87.0	202.5	482.4	170.1	81.4	1582.8
NZ_ABCZ01000014.1	261842	210.4	665.4	1040.3	553.5	120.4	3252.2
CP001186.1	526217	54.1	159.0	184.9	85.0	63.8	422.2
CP001186.1	526218	132.3	206.0	538.7	133.2	66.8	862.6
NC_005957.1	128893	171.7	722.1	737.7	294.8	120.4	2156.7
CP001177.1	523690	147.2	426.9	892.7	319.6	95.8	2709.7
CP001283.1	531129	193.3	653.3	1133.9	548.0	117.7	3253.8
CP000227.1	522652	142.0	187.7	676.8	162.2	97.3	1474.2
CP001176.1	515925	360.3	610.4	763.2	343.6	369.7	1674.2
NZ_AAUE01000002.1	266804	295.2	651.8	1431.6	357.0	125.0	2807.1
CP001177.1	523691	141.6	315.9	710.3	189.5	107.6	2677.9
NR_024817.1	536739	165.3	377.9	501.4	272.0	143.2	2911.6
AJ605772.2	162067	113.3	230.9	84.8	193.3	94.3	538.1
AJ606036.2	163130	381.2	483.3	676.8	387.0	268.0	438.5
AJ605773.3	191440	7843.6	7717.0	3966.5	5247.3	5401.3	5051.2
AB211021.1	115202	1543.4	4463.9	3262.2	2663.1	3312.1	4406.9
EU070356.1	278527	492.0	856.1	985.3	238.6	54.6	997.3
DQ870720.1	224292	17852.6	20899.5	12729.9	13701.3	19469.7	14406.9
GQ497939.1	545039	6591.2	8426.6	9149.7	7717.7	12638.4	9342.6
X62178.1	14618	2729.4	2469.7	2166.9	1712.6	736.4	1959.4
AB425362.1	526725	848.7	1153.2	1050.3	255.5	1296.7	1265.8
EU169170.1	246151	240.6	988.6	665.4	536.3	100.9	1290.8
AY505500.1	99298	2602.1	4702.2	2436.1	3770.8	634.4	1429.1
FJ907965.1	556964	933.2	2476.3	2003.3	1244.6	746.2	1658.8
FJ999563.1	400929	8783.2	7849.6	8997.6	6121.7	5395.9	5801.8
AJ422145.1	103946	329.9	812.9	1480.6	613.8	217.7	774.5
GQ200827.1	545867	1914.8	1977.3	2377.8	698.4	628.4	1692.7
EU867386.1	548056	1819.8	2105.7	2345.9	1181.2	906.4	1344.8
EU373318.1	272802	6246.3	5943.5	3158.9	5461.6	7089.1	6784.3
AY066000.1	17073	6344.6	6862.0	6354.3	2088.7	2139.2	3142.8
EU571192.1	262229	5436.1	5863.3	6561.5	7122.2	2145.8	4199.7
AF329474.1	71598	439.6	325.3	2115.8	364.2	114.3	468.2
GU296472.1	565057	24.8	98.1	107.3	59.0	68.1	74.9
EF014452.1	178543	117.6	64.9	104.4	136.2	154.8	194.1
EF428124.1	260802	70.3	208.5	166.0	96.3	41.9	318.6
FJ973533.1	409809	2663.8	2708.6	2587.1	3123.0	1453.8	3045.4
AB023412.1	14683	5061.6	6364.4	4625.0	3377.6	1952.8	2812.2
AM747232.1	242373	2323.7	2547.1	2148.0	2101.6	1070.2	2809.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus cytotoxicus	46520
s__Bacillus endophyticus	48664
s__Bacillus endophyticus	49555
s__Bacillus endophyticus	49711
s__Bacillus endophyticus	49871
s__Bacillus endophyticus	49980
s__Bacillus farraginis	42630
s__Bacillus farraginis	43234
s__Bacillus firmus	46384
s__Bacillus firmus	48269
s__Bacillus firmus	48363
s__Bacillus firmus	48576
s__Bacillus firmus	48633
s__Bacillus firmus	48723
s__Bacillus firmus	48773
s__Bacillus firmus	48778
s__Bacillus firmus	48942
s__Bacillus firmus	49006
s__Bacillus firmus	49272
s__Bacillus flexus	45943
s__Bacillus flexus	45955
s__Bacillus flexus	46016
s__Bacillus flexus	46026
s__Bacillus flexus	46032
s__Bacillus flexus	46055
s__Bacillus flexus	46180
s__Bacillus flexus	46269
s__Bacillus flexus	46359
s__Bacillus flexus	46394
s__Bacillus flexus	46476
s__Bacillus flexus	46501
s__Bacillus flexus	46589
s__Bacillus flexus	46664
s__Bacillus flexus	46693
s__Bacillus flexus	46704
s__Bacillus flexus	46713
s__Bacillus flexus	46743
s__Bacillus flexus	46789
s__Bacillus flexus	46811
s__Bacillus flexus	46822
s__Bacillus flexus	46832

AM747234.1 gg_id:257548 Bacillus cereus str. NVH 391-98
EU434504.1 gg_id:275759 Bacillus endophyticus str. b359
DQ298363.1 gg_id:152512 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
EU434502.1 gg_id:267212 Bacillus endophyticus str. b357
EF514218.1 gg_id:223044 Bacillus endophyticus str. SP31
EU434382.1 gg_id:267998 Bacillus endophyticus str. a107
AY443035.1 gg_id:100905 Bacillus farraginis str. R-6538
AY443036.1 gg_id:101066 Bacillus farraginis str. R-6540
GQ903403.1 gg_id:568117 Bacillus sp. str. XJSL3-4
FJ950606.1 gg_id:439204 Bacillus sp. str. c69
AY739688.1 gg_id:114233 lubricant-contaminated soil clone KU65
FJ897757.1 gg_id:593258 Bacillus firmus str. RKS160
EU867351.1 gg_id:591316 Bacillus firmus str. CCGE2067
DQ298269.1 gg_id:152877 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
FJ607056.1 gg_id:539461 Bacillus firmus str. 92-1
GQ903396.1 gg_id:578791 Bacillus firmus str. XJSL2-7
GQ199760.1 gg_id:539360 Bacillus sp. str. 210_58
FJ613615.1 gg_id:536913 Bacillus firmus str. 40
FJ974057.1 gg_id:390675 Bacillus firmus str. SK20
GU297606.1 gg_id:576952 Bacillus pumilus str. U4
AY180964.1 gg_id:107468 Bacillus megaterium str. BAC19
DQ275180.1 gg_id:157508 Bacillus megaterium str. WN586
DQ207561.1 gg_id:140380 Bacillus megaterium CECRIbio 04
DQ870697.1 gg_id:223236 Bacillus megaterium str. KSC_SF2j
AY739901.1 gg_id:107305 Bacillus megaterium str. ALA2; NRRL B-21660
AJ550461.1 gg_id:82893 Bacillus flexus
AY422986.1 gg_id:97150 Bacillus flexus str. R-6558
FJ944656.1 gg_id:532878 Bacillus megaterium str. KUDC1034
AB271139.1 gg_id:167801 Bacillus megaterium str. MX1-1
FJ435231.1 gg_id:365270 Bacillus pumilus str. 20
FJ527662.1 gg_id:546932 Bacillus subtilis str. rif200882
FJ527637.1 gg_id:535676 Bacillus megaterium str. rif200893
FJ393316.1 gg_id:358958 Bacillus megaterium str. TCCC11368
GU434216.1 gg_id:522385 Bacillus thuringiensis str. CC7
DQ275179.1 gg_id:158919 Bacillus megaterium str. WN585
GU297611.1 gg_id:560954 Bacillus flexus str. U10
EU620412.1 gg_id:277890 Bacillus subtilis str. S8-04
AJ550462.1 gg_id:83730 Bacillus megaterium
AF286485.1 gg_id:24211 Bacillus sp. str. VAN26
FJ527651.1 gg_id:568203 Bacillus megaterium str. rif200877
AJ563600.1 gg_id:87224 Bacillus flexus str. B14

AM747234.1	257548	4926.2	6232.4	8499.6	6802.1	9818.5	7741.4
EU434504.1	275759	15508.1	15690.5	10085.3	12719.1	15554.6	13132.0
DQ298363.1	152512	1654.3	1028.2	762.2	752.7	972.5	1166.5
EU434502.1	267212	2681.2	2119.6	1078.4	1522.4	1834.9	1514.0
EF514218.1	223044	68.5	105.9	209.3	80.8	95.7	136.8
EU434382.1	267998	8726.8	9174.2	6451.7	6141.0	9009.3	8724.7
AY443035.1	100905	322.3	562.3	1203.3	1020.3	113.0	505.4
AY443036.1	101066	56.6	161.1	287.8	131.5	68.8	540.7
GQ903403.1	568117	6828.9	7174.0	5598.4	7481.0	8493.7	8548.5
FJ950606.1	439204	6316.9	5847.7	6040.6	5229.2	3141.2	4548.4
AY739688.1	114233	4733.6	5014.7	2343.7	4804.9	8034.8	6061.4
FJ897757.1	593258	955.2	1305.5	1279.4	852.9	2641.3	2679.7
EU867351.1	591316	5192.0	4138.9	3677.3	3895.3	3577.9	4259.8
DQ298269.1	152877	5413.8	5449.5	3995.6	5913.9	8049.8	6627.6
FJ607056.1	539461	10135.5	9670.7	8269.3	8690.2	9500.8	9960.3
GQ903396.1	578791	2658.9	2532.2	3980.0	4963.4	3957.8	4132.2
GQ199760.1	539360	1974.0	1594.3	1176.0	1777.5	374.9	1261.6
FJ613615.1	536913	5853.8	6314.5	6283.8	6775.2	10627.4	8557.5
FJ974057.1	390675	224.4	540.0	609.5	274.5	91.6	1443.7
GU297606.1	576952	143.1	464.5	580.2	262.3	118.3	2142.3
AY180964.1	107468	10972.1	10707.8	6067.1	8813.4	8439.5	8951.9
DQ275180.1	157508	1262.1	1309.5	1391.4	850.5	617.6	1591.8
DQ207561.1	140380	397.2	441.1	662.4	251.6	183.9	930.8
DQ870697.1	223236	187.1	288.6	795.1	242.1	190.2	1418.0
AY739901.1	107305	711.9	729.6	885.7	393.5	284.0	1260.5
AJ550461.1	82893	4996.7	4875.9	3350.2	7067.4	7894.0	7911.6
AY422986.1	97150	153.9	556.6	726.0	264.7	123.7	2062.0
FJ944656.1	532878	432.5	544.9	872.2	247.6	187.9	1476.5
AB271139.1	167801	4435.6	4349.1	3966.7	3578.2	2612.6	3724.9
FJ435231.1	365270	337.9	650.1	1250.9	413.3	1978.0	1830.3
FJ527662.1	546932	873.5	1040.3	1608.1	790.4	592.2	1940.9
FJ527637.1	535676	15985.3	14842.2	6440.7	11403.5	15466.4	12573.8
FJ393316.1	358958	350.2	732.9	1336.6	442.8	1851.5	2453.5
GU434216.1	522385	126.2	304.1	895.2	177.6	87.7	1327.8
DQ275179.1	158919	30.4	85.8	47.8	54.1	63.2	141.7
GU297611.1	560954	157.0	564.8	683.2	277.9	122.1	2793.3
EU620412.1	277890	52.8	125.6	77.3	98.0	86.2	195.8
AJ550462.1	83730	1340.9	1118.8	1096.8	1178.2	2558.7	1521.1
AF286485.1	24211	4713.3	4828.1	4767.2	5364.3	2299.6	2321.0
FJ527651.1	568203	1674.6	2124.6	873.8	1243.0	2369.6	1931.2
AJ563600.1	87224	169.3	400.7	717.8	229.4	83.1	1161.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus flexus	46846
s__Bacillus flexus	46887
s__Bacillus flexus	47125
s__Bacillus flexus	47140
s__Bacillus flexus	47162
s__Bacillus flexus	47393
s__Bacillus flexus	47555
s__Bacillus flexus	47610
s__Bacillus flexus	47630
s__Bacillus flexus	47713
s__Bacillus flexus	47757
s__Bacillus flexus	47780
s__Bacillus flexus	47797
s__Bacillus flexus	47827
s__Bacillus flexus	47833
s__Bacillus flexus	47924
s__Bacillus flexus	47935
s__Bacillus flexus	47938
s__Bacillus flexus	47944
s__Bacillus flexus	48047
s__Bacillus flexus	48052
s__Bacillus flexus	48076
s__Bacillus flexus	48091
s__Bacillus flexus	48103
s__Bacillus flexus	48128
s__Bacillus flexus	48154
s__Bacillus foraminis	46111
s__Bacillus foraminis	46442
s__Bacillus foraminis	47865
s__Bacillus fumarioli	47052
s__Bacillus funiculus	47533
s__Bacillus funiculus	47889
s__Bacillus gelatini	48706
s__Bacillus gelatini	48775
s__Bacillus gibsonii	49757
s__Bacillus ginsengihumi	48646
s__Bacillus halmapalus	46976
s__Bacillus halmapalus	47928
s__Bacillus halodurans	48642
s__Bacillus halodurans	48680
s__Bacillus halodurans	49000

AY373360.1 gg_id:94405 Bacillus megaterium str. g1
DQ408589.1 gg_id:156380 Bacillus megaterium str. DZ011
FJ527641.1 gg_id:564210 Bacillus megaterium str. rif200892
EU571105.1 gg_id:269963 Bacillus megaterium str. LM 58
GU186111.1 gg_id:585021 Bacillus megaterium str. IHB B 1331
AB114265.1 gg_id:95770 Bacillus sp. str. Kas107-3
EU867366.1 gg_id:574708 Bacillus megaterium str. CCGE2048
FJ544394.1 gg_id:465481 Bacillus megaterium str. tu12
EU240389.1 gg_id:254148 Bacillus megaterium str. B90
EU221330.1 gg_id:254456 Bacillus megaterium str. NM1C4
FJ435225.1 gg_id:369782 Bacillus megaterium str. 14
EU624435.1 gg_id:280591 Bacillus subtilis str. S6-11
EU159487.1 gg_id:320178 Bacillus megaterium str. A5
EU240391.1 gg_id:238627 Bacillus megaterium str. B110
EU884649.1 gg_id:307261 Bacillus flexus str. XUZ-R
EU977803.1 gg_id:541040 Bacillus flexus str. 1P03UC
EU723823.1 gg_id:337630 Bacillus megaterium str. HDDMM01
EU221414.1 gg_id:254929 Bacillus megaterium str. L2S3
EU880510.1 gg_id:347469 Bacillus megaterium str. PRE2
EU256395.1 gg_id:249550 Bacillus megaterium str. FJ011
EU977771.1 gg_id:550751 Bacillus flexus str. 1P03SB
FJ973534.1 gg_id:396451 Bacillus megaterium str. NBPP68 B68
AY553117.1 gg_id:105474 Bacillus megaterium str. MO30
GU191915.1 gg_id:584858 Bacillus megaterium str. SB 3059
DQ105968.1 gg_id:137619 Bacillus megaterium str. 3
EU704698.1 gg_id:298601 Bacillus megaterium str. JC3
AJ717382.1 gg_id:110350 Bacillus sp. CV53
AM950294.1 gg_id:265711 Bacillus sp. BS29 HS-2008
DQ416793.1 gg_id:274123 Bacillus sp. G2DM-33
AM749775.1 gg_id:252827 Isolation ing candidate division soils New Zealand steam-affected geothermal soil
AB271135.1 gg_id:172897 Bacillus funiculus str. MX12-2
AY169818.1 gg_id:76323 Bacillus funiculus str. NK1.2
DQ350818.1 gg_id:146154 Bacillus gelatini str. 506
AJ586337.1 gg_id:106664 Bacillus gelatini str. R-13476
EU834235.1 gg_id:356258 Bacillus licheniformis str. DS02
FN393822.1 gg_id:537145 Bacillus ginsengihumi str. ES-6a1
FJ373026.1 gg_id:318969 Bacillus halmapalus str. W2-1
FJ373038.1 gg_id:327485 Bacillus sp. str. S7-2
BA000004.3 gg_id:128614 Bacillus halodurans str. C-125
AB047684.1 gg_id:21800 Bacillus okuhidensis
GU396007.1 gg_id:516103 Bacillus halodurans str. M29

AY373360.1	94405	112.7	277.1	150.3	138.5	76.4	750.8
DQ408589.1	156380	7846.5	6608.9	5595.6	9225.1	5700.6	5749.5
FJ527641.1	564210	160.0	298.0	658.4	211.1	154.0	775.9
EU571105.1	269963	877.1	1056.5	1513.8	796.0	587.4	1771.0
GU186111.1	585021	142.6	298.9	311.6	226.4	932.9	637.9
AB114265.1	95770	384.1	424.8	666.0	201.8	178.7	875.8
EU867366.1	574708	1085.8	1601.8	3531.1	1420.6	881.6	2379.2
FJ544394.1	465481	1353.1	1318.6	1308.2	851.2	636.2	1449.0
EU240389.1	254148	454.1	605.4	831.9	235.4	178.1	1388.0
EU221330.1	254456	428.8	489.5	680.3	247.2	199.2	957.9
FJ435225.1	369782	4871.3	4424.5	1075.2	2719.7	464.6	850.6
EU624435.1	280591	848.3	912.2	1312.4	655.2	553.6	2015.0
EU159487.1	320178	62.5	137.6	198.6	65.6	65.0	273.7
EU240391.1	238627	14076.5	10763.5	8964.7	9304.7	17607.4	11778.9
EU884649.1	307261	158.5	564.8	782.7	295.5	124.5	2794.7
EU977803.1	541040	422.5	493.7	719.7	210.7	183.7	928.0
EU723823.1	337630	308.7	355.7	826.1	309.8	256.1	705.6
EU221414.1	254929	394.7	439.1	673.8	246.7	203.0	920.9
EU880510.1	347469	8681.0	8737.4	6923.2	8152.6	8915.8	7292.0
EU256395.1	249550	76.1	179.8	237.8	69.7	87.7	282.8
EU977771.1	550751	432.6	621.8	894.6	240.7	168.2	1415.5
FJ973534.1	396451	3990.8	4874.7	1539.6	2651.5	4916.1	3657.6
AY553117.1	105474	868.5	1019.9	1487.5	783.8	593.3	1916.4
GU191915.1	584858	1683.6	2469.4	3546.0	2739.1	5644.0	4406.2
DQ105968.1	137619	862.4	1040.3	1498.4	754.5	566.2	1711.1
EU704698.1	298601	386.6	426.7	654.7	202.9	159.5	885.7
AJ717382.1	110350	163.3	291.8	534.0	265.2	137.2	1176.2
AM950294.1	265711	5709.7	6262.8	2483.8	1592.4	1187.5	3508.9
DQ416793.1	274123	3513.3	3073.2	2991.8	1496.8	4640.9	2834.7
AM749775.1	252827	2158.7	4185.9	3725.7	2085.9	1737.6	6911.8
AB271135.1	172897	2470.2	2599.4	2661.0	3410.8	2829.2	4640.6
AY169818.1	76323	474.7	515.5	1553.4	298.8	67.9	2273.9
DQ350818.1	146154	8438.9	8935.5	9364.2	8160.8	9327.5	10103.6
AJ586337.1	106664	748.0	918.4	4424.4	1301.3	872.8	4183.8
EU834235.1	356258	61.1	73.2	69.9	63.2	76.1	76.0
FN393822.1	537145	2493.6	3820.0	2393.9	1855.0	1164.4	3516.3
FJ373026.1	318969	2984.1	3891.0	3802.7	2245.3	1192.5	1977.1
FJ373038.1	327485	1427.2	1771.0	1439.9	995.8	402.2	964.7
BA000004.3	128614	2101.7	2949.1	2751.8	3325.2	2344.8	2691.2
AB047684.1	21800	8393.0	6471.7	5440.2	8562.0	5605.4	7147.7
GU396007.1	516103	11300.4	13806.1	11843.1	12453.2	14437.7	12999.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus halodurans	49293
s__Bacillus halodurans	49409
s__Bacillus halodurans	49812
s__Bacillus halodurans	49908
s__Bacillus horikoshii	47209
s__Bacillus horikoshii	47590
s__Bacillus horikoshii	47917
s__Bacillus horikoshii	48356
s__Bacillus humi	46062
s__Bacillus humi	46647
s__Bacillus humi	46878
s__Bacillus humi	46985
s__Bacillus humi	47835
s__Bacillus humi	48176
s__Bacillus hwajinpoensis	48833
s__Bacillus hwajinpoensis	49291
s__Bacillus hwajinpoensis	49614
s__Bacillus lentus	43799
s__Bacillus longiquaesitum	46224
s__Bacillus longiquaesitum	48667
s__Bacillus longiquaesitum	48768
s__Bacillus longiquaesitum	49392
s__Bacillus malacitensis	48380
s__Bacillus malacitensis	48651
s__Bacillus malacitensis	48920
s__Bacillus malacitensis	49139
s__Bacillus malacitensis	49301
s__Bacillus methanolicus	46077
s__Bacillus methanolicus	46171
s__Bacillus muralis	48290
s__Bacillus muralis	48608
s__Bacillus muralis	48745
s__Bacillus muralis	48874
s__Bacillus muralis	49010
s__Bacillus muralis	49060
s__Bacillus muralis	49161
s__Bacillus muralis	49602
s__Bacillus muralis	49675
s__Bacillus muralis	49753
s__Bacillus muralis	49934
s__Bacillus nealsonii	48211

EF113320.1 gg_id:197893 Bacillus halodurans LB 15
AB274919.1 gg_id:240829 Bacillus halodurans str. 38C-2-1
EF113315.1 gg_id:185749 Bacillus halodurans LB 28
EF113319.1 gg_id:174609 Bacillus halodurans LB 14
GU001902.1 gg_id:593219 Bacillus horikoshii str. PL42
FJ984530.1 gg_id:383268 Bacillus horikoshii str. NBSL27
EU841500.1 gg_id:348247 Bacillus horikoshii str. 633
DQ289056.1 gg_id:144299 Bacillus horikoshii HKS 1-2
AY557616.1 gg_id:101679 Bacillus sp. str. BA-54
AF227865.1 gg_id:74252 str. 86348
DQ993294.1 gg_id:199292 Bacillus sp. str. MHS037
AB073167.1 gg_id:91686 Bacillus sp. str. KSM-P358
AJ627210.1 gg_id:101827 Bacillus humi str. LMG 22167
GQ980248.1 gg_id:584544 Bacillus sp. str. NBK47
GQ903400.1 gg_id:559095 Bacillus baekryungensis str. XJSL3-1
AF541966.1 gg_id:56525 Bacillus hwajinpoensis str. SW-72
GQ903399.1 gg_id:542839 Bacillus hwajinpoensis str. XJSL2-10
AB021189.1 gg_id:47718 Bacillus lentus str. NCIMB8773
X99966.2 gg_id:16306 soil clone
DQ129542.1 gg_id:138068 microarray level air two cities Texas urban aerosol clone AKIW831
AM747040.1 gg_id:257202 Bacillus longiquaesitum str. LMG 23781
AJ001222.1 gg_id:14628 grassland soil clone DA154
EU257449.1 gg_id:250500 Bacillus subtilis C10-1
AJ830709.1 gg_id:101734 Bacillus subtilis KCM-RG5
EU723824.1 gg_id:352888 Bacillus licheniformis str. HDDMM02
AF333249.1 gg_id:31397 Bacillus subtilis str. GXD9901
AY603657.2 gg_id:107017 Bacillus axarquiensis str. CR-119
AB112729.1 gg_id:99801 Bacillus methanolicus str. NCIMB 12524
AB112727.1 gg_id:99488 Bacillus methanolicus str. NCIMB 13113T
EU071557.1 gg_id:245682 Bacillus muralis str. EHFS1_S05He
EF634026.1 gg_id:254351 Paenibacillus polymyxa str. ISSDS-853
FJ263033.1 gg_id:361895 Bacillus simplex str. RC18
EU071558.1 gg_id:247017 Bacillus muralis str. EHFS2_S05Ha
EU249563.1 gg_id:235309 Bacillus simplex str. TPBF2
EU647708.1 gg_id:273793 Bacillus muralis str. REG23
FJ544333.1 gg_id:418436 Bacillus simplex str. 816
FJ390478.1 gg_id:365017 Bacillus simplex str. HY1-2
DQ659140.1 gg_id:165620 Bacillus simplex str. L1
EU647709.1 gg_id:276019 Bacillus muralis str. REG52
EF154253.1 gg_id:189650 Bacillus simplex str. 13
GU339279.1 gg_id:548055 Bacillus nealsonii str. EH51

EF113320.1	197893	8360.2	8542.7	5705.1	10936.1	11332.2	12224.3
AB274919.1	240829	6986.5	7775.1	7209.1	7724.9	6342.6	7102.1
EF113315.1	185749	6518.8	5328.4	5278.0	7161.1	4282.1	6768.9
EF113319.1	174609	7187.4	8160.8	5605.5	9341.1	9208.4	8447.7
GU001902.1	593219	203.5	383.5	609.6	217.7	129.7	1850.3
FJ984530.1	383268	503.9	762.6	624.1	251.4	162.8	1700.7
EU841500.1	348247	171.8	178.8	649.9	173.2	148.4	1552.4
DQ289056.1	144299	246.2	240.4	418.8	208.2	85.3	868.5
AY557616.1	101679	26.5	63.2	34.5	65.4	45.0	130.0
AF227865.1	74252	9256.7	10226.8	4937.4	6821.9	5427.3	6043.6
DQ993294.1	199292	122.2	211.4	162.5	118.1	215.6	746.1
AB073167.1	91686	57.6	104.1	171.3	95.2	70.8	542.9
AJ627210.1	101827	1506.9	1559.5	987.0	601.8	352.3	684.3
GQ980248.1	584544	2565.0	3158.3	3603.3	1861.8	1773.1	2673.7
GQ903400.1	559095	1843.9	3671.9	3099.4	3140.0	1493.7	2248.3
AF541966.1	56525	2495.0	4522.5	3546.2	3292.4	1966.2	2363.2
GQ903399.1	542839	6323.4	8058.4	6705.1	4205.9	3119.4	3860.0
AB021189.1	47718	74.8	249.9	289.4	110.7	47.1	1806.9
X99966.2	16306	8637.8	6175.0	4338.7	4570.8	3169.8	4355.3
DQ129542.1	138068	75.5	208.9	193.6	130.4	110.6	243.3
AM747040.1	257202	255.9	433.0	278.4	159.1	142.0	471.6
AJ001222.1	14628	3807.4	5102.0	6337.5	4451.2	3764.2	5853.3
EU257449.1	250500	12944.7	8676.8	13490.3	11802.6	7484.3	10450.5
AJ830709.1	101734	5123.8	5343.4	5121.6	6003.4	5776.2	7952.8
EU723824.1	352888	4063.8	4334.3	3725.4	3141.0	12553.9	9690.3
AF333249.1	31397	5362.6	4308.7	4374.8	4923.1	5091.7	7435.0
AY603657.2	107017	22909.2	18667.0	18734.9	17324.6	17429.4	17218.8
AB112729.1	99801	1267.8	2179.3	2335.9	1054.2	1811.5	5310.7
AB112727.1	99488	302.5	525.5	662.2	381.3	1514.1	2335.7
EU071557.1	245682	342.6	266.7	824.6	194.3	309.9	552.7
EF634026.1	254351	439.1	902.3	683.5	314.6	335.6	1347.3
FJ263033.1	361895	603.2	605.7	884.3	324.4	357.8	1267.3
EU071558.1	247017	395.6	454.3	1348.1	234.9	448.6	853.6
EU249563.1	235309	389.0	828.8	850.9	282.7	443.6	1887.7
EU647708.1	273793	680.6	894.7	1554.6	1417.0	850.2	1592.5
FJ544333.1	418436	382.4	440.8	1333.4	232.1	490.4	587.9
FJ390478.1	365017	1478.8	1672.8	2309.6	1583.7	1071.9	1420.3
DQ659140.1	165620	705.4	813.6	2172.1	339.1	817.0	1852.1
EU647709.1	276019	522.7	968.4	697.0	314.7	330.9	1774.5
EF154253.1	189650	1502.2	1619.8	2328.4	1732.1	2827.9	3714.1
GU339279.1	548055	4030.7	5283.7	3577.4	4551.5	7812.5	6959.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus nealsonii	49036
s__Bacillus nealsonii	49105
s__Bacillus niabensis	46023
s__Bacillus niabensis	47850
s__Bacillus novalis	47982
s__Bacillus oleronius	48507
s__Bacillus oleronius	49215
s__Bacillus pichinotyi	46201
s__Bacillus pocheonensis	46815
s__Bacillus pocheonensis	47149
s__Bacillus pocheonensis	47465
s__Bacillus pocheonensis	48007
s__Bacillus pseudofirmus	48218
s__Bacillus pseudofirmus	48744
s__Bacillus pseudofirmus	48863
s__Bacillus safensis	48867
s__Bacillus safensis	48933
s__Bacillus safensis	48979
s__Bacillus safensis	49157
s__Bacillus safensis	49329
s__Bacillus safensis	49537
s__Bacillus safensis	49598
s__Bacillus safensis	49603
s__Bacillus safensis	49616
s__Bacillus safensis	49836
s__Bacillus selenatarsenatis	46662
s__Bacillus selenatarsenatis	47057
s__Bacillus selenatarsenatis	47291
s__Bacillus selenatarsenatis	47762
s__Bacillus selenatarsenatis	47925
s__Bacillus selenitireducens	48740
s__Bacillus smithii	47437
s__Bacillus soli	46663
s__Bacillus soli	46942
s__Bacillus soli	47890
s__Bacillus sonorensis	48692
s__Bacillus sonorensis	49212
s__Bacillus sonorensis	49390
s__Bacillus sonorensis	49744
s__Bacillus sonorensis	49854
s__Bacillus sp. SG-1	48463

GQ284408.1 gg_id:580387 Bacillus nealsonii str. TSWCSN40
EU660368.1 gg_id:297118 Bacillus nealsonii str. CT18
DQ176420.1 gg_id:142679 Bacillus niabensis str. 4T12
AB271138.1 gg_id:163533 Bacillus niabensis str. S2-1
AJ542512.1 gg_id:81403 Bacillus novalis str. LMG 21837
X82492.1 gg_id:14591 Bacillus oleronius str. DSM 9356
AF393508.1 gg_id:48382 Bacillus oleronius str. LMG 17886; MB397
AF519460.1 gg_id:70683 Bacillus pichinotyi str. RS1; CIP 106 662
GQ980242.1 gg_id:580245 Bacillus pocheonensis str. NBK29
FJ009384.1 gg_id:340114 Bacillus pocheonensis str. F5
FJ009411.1 gg_id:348661 Bacillus drentensis str. G18
FJ009379.1 gg_id:356165 Bacillus soli str. G8
EU533950.1 gg_id:405006 Bacillus pseudofirmus str. SVB1
X92159.1 gg_id:44577 Lake Nakuru isolate 18N1
EU004572.1 gg_id:248873 Bacillus sp. str. HM06-10
FJ883626.1 gg_id:531668 Bacillus pumilus str. P1-71/08C2
EU311209.1 gg_id:235734 Bacillus pumilus str. zyj1-3
AY167881.1 gg_id:77430 Bacillus pumilus str. SAFN-036
DQ870769.1 gg_id:222587 Bacillus pumilus str. KSC_tot6c
FJ390481.1 gg_id:361286 Bacillus pumilus str. WX12
EU977783.1 gg_id:543611 Bacillus pumilus str. 1P09SB
EU927414.1 gg_id:341761 Bacillus pumilus str. 121-S
FJ573185.1 gg_id:534143 Bacillus pumilus str. GESF1
FJ577677.1 gg_id:563057 Bacillus safensis str. B1-1
FJ549008.1 gg_id:550529 Bacillus pumilus str. SH-B3
FJ607352.1 gg_id:572654 Pseudomonas monteilii str. SeaH-As4w
AB518973.1 gg_id:556388 Bacillus sp. str. MB60
EU239470.1 gg_id:249934 Bacillus selenatarsenatis str. XJUHX-8
DQ084543.1 gg_id:129585 Bacillus sp. GD1212
AB262082.1 gg_id:161465 Bacillus selenatarsenatis str. SF-1
ABHZ01000019.1 gg_id:239487 Bacillus selenitireducens str. MLS10
AY373319.1 gg_id:94287 Bacillus smithii str. R-7170
DQ129477.1 gg_id:153544 microarray level air two cities Texas urban aerosol clone AKIW690
AJ542514.1 gg_id:81120 Bacillus soli str. LMG 21839
AM237399.1 gg_id:150943 Bacillus bataviensis OS-225
AF302120.1 gg_id:30814 Bacillus sonorensis str. NRRL B-23156
AF302123.1 gg_id:25728 Bacillus sonorensis str. NNRL B-23159
AF302121.1 gg_id:39670 Bacillus sonorensis str. NRRL B-23157
AF302122.1 gg_id:41964 Bacillus sonorensis str. NRRL B-23158
AF302125.1 gg_id:22715 Bacillus sonorensis str. NRRL B-23161
AB540647.1 gg_id:580155 Bacillus sp. str. NCCP-62

GQ284408.1	580387	4881.0	6069.5	3535.1	5359.6	8395.1	6683.4
EU660368.1	297118	306.3	522.6	656.5	242.3	154.5	457.0
DQ176420.1	142679	1067.5	1068.4	577.8	1260.2	491.2	709.0
AB271138.1	163533	785.0	909.2	520.1	566.8	1590.5	1229.4
AJ542512.1	81403	1756.2	1159.0	2297.8	5712.6	628.4	3224.6
X82492.1	14591	3093.4	4317.0	4662.3	3156.8	4175.8	3676.0
AF393508.1	48382	387.7	617.6	715.9	366.5	152.9	1165.0
AF519460.1	70683	117.3	274.9	300.2	197.9	198.0	1410.3
GQ980242.1	580245	280.6	562.2	678.7	632.8	1681.8	1295.4
FJ009384.1	340114	203.9	359.0	771.0	183.9	99.3	1522.6
FJ009411.1	348661	37.9	97.6	144.8	68.6	72.6	624.8
FJ009379.1	356165	146.2	261.9	526.3	141.8	79.1	1681.6
EU533950.1	405006	33.0	60.0	49.6	55.0	68.5	23.3
X92159.1	44577	7864.0	8107.8	6059.9	7836.1	11015.8	12095.4
EU004572.1	248873	4319.6	5586.0	4407.1	5581.2	3376.3	5222.4
FJ883626.1	531668	442.5	884.8	688.0	305.8	129.4	1895.7
EU311209.1	235734	835.3	1539.5	1257.0	407.4	718.7	2636.8
AY167881.1	77430	397.5	1097.8	1092.6	369.3	699.1	2924.2
DQ870769.1	222587	297.1	562.0	1356.9	233.3	138.7	783.6
FJ390481.1	361286	444.1	580.2	240.9	344.8	111.0	690.2
EU977783.1	543611	451.3	931.7	728.2	321.6	117.0	2338.8
EU927414.1	341761	158.9	435.3	398.6	409.2	210.4	1285.1
FJ573185.1	534143	3239.1	3744.6	4200.5	2538.2	3632.2	4011.5
FJ577677.1	563057	217.6	823.9	499.5	181.7	102.5	1502.8
FJ549008.1	550529	243.4	614.4	546.3	299.9	151.4	1832.1
FJ607352.1	572654	2107.0	2468.1	2882.8	789.5	949.8	2583.7
AB518973.1	556388	7695.9	7661.8	3712.8	6821.6	4009.1	6851.5
EU239470.1	249934	1188.9	1087.7	2131.4	1294.0	1073.7	2779.8
DQ084543.1	129585	1476.3	2583.7	3925.0	1974.4	2776.9	4098.0
AB262082.1	161465	1102.7	1021.4	2058.8	1285.1	1079.2	2558.5
ABHZ01000019.1	239487	12.0	29.0	33.0	43.1	58.8	19.2
AY373319.1	94287	116.4	241.1	279.6	164.4	112.4	1142.6
DQ129477.1	153544	2299.0	2927.8	3186.9	1972.2	1402.7	2340.4
AJ542514.1	81120	2938.1	2770.9	2518.5	854.6	472.4	2303.0
AM237399.1	150943	1369.6	1560.4	1261.8	916.4	738.7	1318.2
AF302120.1	30814	480.8	836.5	1085.3	489.3	576.9	1920.1
AF302123.1	25728	720.7	996.3	1269.0	816.6	635.9	1889.3
AF302121.1	39670	671.3	859.1	611.3	143.1	108.9	1497.4
AF302122.1	41964	214.7	448.6	639.8	233.9	117.7	1018.2
AF302125.1	22715	465.6	699.3	966.7	468.2	583.1	1451.4
AB540647.1	580155	3982.1	3284.4	2613.2	3609.2	2004.0	3691.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__Bacillus sp. SG-1	48852
s__Bacillus sp. SG-1	49005
s__Bacillus sp. SG-1	49007
s__Bacillus thermoamylovorans	42667
s__Bacillus thermoamylovorans	43011
s__Bacillus thermoamylovorans	43051
s__Bacillus thermoamylovorans	43952
s__Bacillus trypoxylicola	48746
s__Bacillus trypoxylicola	48913
s__Bacillus weihenstephanensis	42443
s__Bacillus weihenstephanensis	42564
s__Bacillus weihenstephanensis	42752
s__Bacillus weihenstephanensis	42850
s__Bacillus weihenstephanensis	42949
s__Bacillus weihenstephanensis	42996
s__Bacillus weihenstephanensis	43035
s__Bacillus weihenstephanensis	43210
s__Bacillus weihenstephanensis	43221
s__Bacillus weihenstephanensis	43235
s__Bacillus weihenstephanensis	43589
s__Bacillus weihenstephanensis	44053
s__Bacillus weihenstephanensis	44139
s__unclassified	42442
s__unclassified	42444
s__unclassified	42446
s__unclassified	42448
s__unclassified	42453
s__unclassified	42455
s__unclassified	42460
s__unclassified	42466
s__unclassified	42473
s__unclassified	42486
s__unclassified	42495
s__unclassified	42499
s__unclassified	42500
s__unclassified	42507
s__unclassified	42513
s__unclassified	42514
s__unclassified	42518
s__unclassified	42531
s__unclassified	42534

FJ937916.1 gg_id:572996 Bacillus alcalophilus str. LS115
AY647294.1 gg_id:107652 Bacillus marisflavi str. MSU1910
FJ373036.1 gg_id:319978 Bacillus sp. str. S6-1
GU125625.1 gg_id:568591 Bacillus thermoamylovorans str. IMAU80208
AB121094.1 gg_id:97746 Bacillus thermoamylovorans str. BTa
GU125619.1 gg_id:576690 Bacillus thermoamylovorans str. IMAU80201
AJ586361.1 gg_id:103073 Bacillus thermoamylovorans str. R-19047
NR_026145.1 gg_id:574109 Bacillus pseudalcaliphilus str. DSM 8725
AB434284.2 gg_id:274005 Bacillus trypoxylicola str. SU1
FJ944648.1 gg_id:570600 Bacillus anthracis str. KUDC1024
FJ390462.1 gg_id:367534 Bacillus weihenstephanensis str. HY3
NC_010184.1 gg_id:247358 Bacillus weihenstephanensis str. KBAB4
CP000903.1 gg_id:244782 Bacillus weihenstephanensis str. KBAB4
EU169187.1 gg_id:248122 Bacillus mycoides str. B1
AF144645.1 gg_id:14949 Bacillus mycoides str. DRC1
Z84580.1 gg_id:14934 Bacillus cereus str. WSBC10210
EF210282.1 gg_id:222605 Bacillus weihenstephanensis str. CCM 4965
EU169143.1 gg_id:256275 Bacillus weihenstephanensis str. B28
Z84577.1 gg_id:14931 Bacillus cereus str. WSBC10201
Z84578.1 gg_id:14932 Bacillus cereus str. WSBC10204
AY277557.1 gg_id:90026 Bacillus weihenstephanensis str. P2-14
Z84579.1 gg_id:14933 Bacillus cereus str. WSBC10206
DQ289062.1 gg_id:143741 Bacillus cereus HKS 4-2
NZ_ABDI01000038.1 gg_id:270703 Bacillus cereus str. B4264
GQ375259.1 gg_id:591843 Bacillus cereus str. ANY
EU240376.1 gg_id:257747 Bacillus cereus str. B91
AJ277907.1 gg_id:111676 Bacillus cereus str. Biosubtyl-Dalat
AB363736.1 gg_id:243254 Bacillus mycoides str. NBRC 100169
FJ435224.1 gg_id:364671 Bacillus megaterium str. 13
DQ078742.1 gg_id:131320 Bacillus thuringiensis str. LDC-9
GU171377.1 gg_id:586881 Bacillus mycoides str. JS03-04
EF582416.1 gg_id:232949 Bacillus cereus str. HDYM-14
GQ263498.1 gg_id:593429 Structure Simulated Level Waste Site simulated level waste site clone FW2_192B
EU661712.1 gg_id:282658 Bacillus cereus str. NBRAJATH9
AY221057.1 gg_id:106573 sediments collected at Charon's Cascade near Echo River October 2000 clone CCM22
FJ859684.2 gg_id:574826 Bacillus pseudomycoides str. BIHB 337
EU240443.1 gg_id:254608 Bacillus weihenstephanensis str. B164
AY461750.2 gg_id:102293 Bacillus sp. str. H-09
AY803744.1 gg_id:108980 Bacillus cereus str. PGS2
AY373361.1 gg_id:95158 Bacillus cereus str. T1
EF210302.1 gg_id:225543 Bacillus thuringiensis serovar graciosensis str. IEBC-T66 001

FJ937916.1	572996	3610.9	2957.2	1588.7	4584.8	1796.6	2304.7
AY647294.1	107652	2356.7	2733.0	2014.2	1495.4	729.0	1301.0
FJ373036.1	319978	7297.2	8265.9	6731.4	8680.6	5461.1	7985.7
GU125625.1	568591	7939.0	7509.6	2459.0	6781.4	7887.4	7748.3
AB121094.1	97746	396.5	544.0	394.6	154.1	129.7	857.8
GU125619.1	576690	1540.2	1381.8	421.5	650.7	221.1	959.6
AJ586361.1	103073	1086.4	1274.2	766.0	1433.4	263.9	1910.9
NR_026145.1	574109	90.9	290.8	271.6	100.5	102.6	596.8
AB434284.2	274005	769.1	1587.2	1403.1	1447.0	1438.3	4493.8
FJ944648.1	570600	134.5	258.0	814.6	184.5	104.8	628.8
FJ390462.1	367534	636.5	608.4	1117.0	410.5	767.4	1422.4
NC_010184.1	247358	3205.1	4100.8	2194.3	3614.5	5773.1	7626.0
CP000903.1	244782	437.7	884.6	636.0	322.3	124.4	3329.2
EU169187.1	248122	144.8	450.9	1455.4	355.9	426.4	1120.1
AF144645.1	14949	183.6	248.7	663.8	148.4	86.2	872.3
Z84580.1	14934	448.7	2059.5	912.0	437.2	610.9	3003.0
EF210282.1	222605	2425.0	3348.1	527.5	1329.4	2548.8	3991.9
EU169143.1	256275	51.8	123.5	156.6	96.6	71.7	201.9
Z84577.1	14931	150.9	667.9	562.9	211.1	111.3	1643.8
Z84578.1	14932	205.9	723.7	655.6	238.0	145.7	1250.0
AY277557.1	90026	140.9	646.0	566.0	226.4	106.2	1846.6
Z84579.1	14933	165.6	725.2	609.0	242.6	118.0	1880.2
DQ289062.1	143741	3308.3	4288.7	4123.7	4369.3	7420.4	6257.9
NZ_ABDI01000038.1	270703	67.8	209.8	362.2	150.7	105.3	429.0
GQ375259.1	591843	3071.9	3908.7	2005.2	2502.0	2489.6	4803.9
EU240376.1	257747	189.3	216.1	735.1	137.7	66.8	943.0
AJ277907.1	111676	7380.7	8008.7	3749.1	6378.6	5328.5	6805.0
AB363736.1	243254	97.5	523.0	685.6	218.0	80.8	1378.1
FJ435224.1	364671	350.5	1092.2	1472.4	576.2	1617.7	5158.9
DQ078742.1	131320	14056.4	14994.9	7491.1	10813.0	14785.2	13726.8
GU171377.1	586881	81.4	95.3	285.6	113.9	94.1	718.3
EF582416.1	232949	2609.1	2656.0	1416.7	3179.6	5614.0	6042.7
GQ263498.1	593429	3047.7	4172.6	2798.5	3390.7	4820.0	4697.6
EU661712.1	282658	129.4	596.1	527.1	184.9	90.8	1825.2
AY221057.1	106573	924.4	1215.6	1788.2	870.0	380.0	1149.8
FJ859684.2	574826	8021.0	9261.2	6795.0	7381.6	9271.0	8247.3
EU240443.1	254608	120.1	404.5	1404.5	385.3	460.3	1261.9
AY461750.2	102293	196.3	666.1	1096.1	547.2	118.0	3254.8
AY803744.1	108980	178.1	722.2	686.4	297.9	114.2	2340.2
AY373361.1	95158	3690.2	3684.6	876.2	3568.3	3215.5	5262.5
EF210302.1	225543	411.0	906.5	1690.0	768.2	2001.6	1412.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	42536
s__unclassified	42539
s__unclassified	42544
s__unclassified	42550
s__unclassified	42553
s__unclassified	42557
s__unclassified	42558
s__unclassified	42562
s__unclassified	42563
s__unclassified	42567
s__unclassified	42574
s__unclassified	42579
s__unclassified	42587
s__unclassified	42588
s__unclassified	42592
s__unclassified	42599
s__unclassified	42601
s__unclassified	42609
s__unclassified	42623
s__unclassified	42637
s__unclassified	42639
s__unclassified	42649
s__unclassified	42659
s__unclassified	42665
s__unclassified	42670
s__unclassified	42672
s__unclassified	42675
s__unclassified	42678
s__unclassified	42684
s__unclassified	42690
s__unclassified	42696
s__unclassified	42698
s__unclassified	42699
s__unclassified	42705
s__unclassified	42707
s__unclassified	42708
s__unclassified	42713
s__unclassified	42720
s__unclassified	42724
s__unclassified	42735
s__unclassified	42740

CP001215.1 gg_id:520193 Bacillus anthracis str. CDC 684
EF472264.1 gg_id:223125 Bacillus cereus str. LQ84
EU861960.1 gg_id:314347 effects chronic fertilization on alpine tundra microbial implications carbon and cyclin
EU240372.1 gg_id:256396 Bacillus thuringiensis str. B106
AY461762.2 gg_id:112023 Bacillus thuringiensis serovar israelensis
DQ855661.1 gg_id:167765 Bacillus sp. str. KA-10
DQ232746.1 gg_id:143250 Bacillus anthracis str. JH18
EU240420.1 gg_id:235911 Bacillus cereus str. B170
AJ577281.1 gg_id:88623 Bacillus cereus str. B 412
AF206326.1 gg_id:25668 Bacillus cereus
GU235995.1 gg_id:592408 Bacillus thuringiensis str. Bm-1
NZ_ABDJ01000017.1 gg_id:259649 Bacillus cereus str. G9842
DQ350826.1 gg_id:145755 Kurthia zopfii str. IPH103
FJ544349.1 gg_id:422449 Bacillus cereus str. ji7
AJ277908.1 gg_id:111533 Bacillus cereus str. Bactisubtil
DQ435020.1 gg_id:152176 Bacillus cereus str. ITRC EM1
DQ989214.2 gg_id:235652 Bacillus cereus IL2
EU240425.1 gg_id:242292 Bacillus cereus str. B155
FJ859700.1 gg_id:572230 Bacillus pseudomycoides str. BIHB 360
AF157112.1 gg_id:14969 Bacillus thuringiensis str. 82347
GU122947.1 gg_id:576836 Bacillus cereus str. DBT3SC1
NZ_AAES01000043.1 gg_id:544485 Bacillus anthracis str. Australia 94
EF032682.1 gg_id:186488 Bacillus cereus str. AU50
GU395988.1 gg_id:524697 Bacillus cereus str. SU-6
FM179767.1 gg_id:320963 Acetobacter pasteurianus str. AUC17
AM062679.1 gg_id:137266 Bacillus cereus AB1A1
AB426479.1 gg_id:269712 Bacillus thuringiensis str. NBRC 101235
GU451184.1 gg_id:529958 Bacillus cereus str. HLB-5
CP000227.1 gg_id:522650 Bacillus cereus str. Q1
DQ298333.1 gg_id:151393 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
EU624430.1 gg_id:281099 Bacillus cereus str. S6-08
DQ401074.1 gg_id:151964 Bacillus cereus str. Selayang 7
DQ148952.1 gg_id:139137 Bacillus alkalitolerans str. N39138
EU543689.1 gg_id:260983 Bacillus cereus str. 12t
GU201872.1 gg_id:584857 Bacillus cereus str. Z2
EU924505.1 gg_id:350569 Bacillus mycoides str. BM-Y8
EU647704.1 gg_id:277059 Bacillus thuringiensis str. REG14
AB106345.1 gg_id:85964 Bacillus cereus str. FRA000041
GU384232.1 gg_id:543468 Bacillus cereus str. ZQN2
AY907828.2 gg_id:204840 Bacillus cereus str. CFR04
GQ118339.1 gg_id:453573 Bacillus cereus str. A168

CP001215.1	520193	662.5	1171.4	814.2	436.8	596.3	2884.1
EF472264.1	223125	220.8	214.0	691.5	145.4	78.0	937.8
EU861960.1	314347	172.5	287.5	1357.2	74.1	1057.3	776.4
EU240372.1	256396	96.2	203.1	446.3	105.8	62.6	808.9
AY461762.2	112023	7899.8	8260.0	7030.4	9663.3	18554.9	14275.6
DQ855661.1	167765	5247.8	5997.8	2047.5	6755.4	8196.4	7606.5
DQ232746.1	143250	216.8	216.6	734.1	186.8	86.4	1093.2
EU240420.1	235911	714.6	838.3	1596.4	733.6	609.8	1555.5
AJ577281.1	88623	94.4	340.8	896.1	592.0	274.8	1042.9
AF206326.1	25668	1617.4	2473.9	960.4	904.0	2610.2	2581.1
GU235995.1	592408	3678.7	2450.9	3324.1	4058.2	2959.1	5205.1
NZ_ABDJ01000017.1	259649	4917.1	4508.8	3214.8	6682.2	7128.1	6380.5
DQ350826.1	145755	2487.2	2231.2	2528.7	1398.7	1263.8	2716.5
FJ544349.1	422449	1541.7	1974.1	2325.5	2454.6	2944.2	4715.3
AJ277908.1	111533	71.0	173.4	229.9	79.3	68.1	332.2
DQ435020.1	152176	82.8	777.0	193.0	481.8	149.8	563.8
DQ989214.2	235652	75.2	196.3	239.0	148.6	105.3	850.8
EU240425.1	242292	7924.8	7727.2	6003.9	7260.6	7060.5	6881.1
FJ859700.1	572230	146.1	418.3	767.3	281.7	90.6	2713.5
AF157112.1	14969	818.6	1048.8	1395.2	625.9	466.7	2296.8
GU122947.1	576836	8003.4	8708.6	6860.1	8953.0	10697.5	9353.7
NZ_AAES01000043.1	544485	233.5	502.8	588.5	232.8	81.8	2585.5
EF032682.1	186488	81.8	226.2	288.1	137.3	102.0	938.7
GU395988.1	524697	106.2	377.3	915.7	391.2	122.5	1755.6
FM179767.1	320963	16427.3	16789.8	12342.5	15365.9	16680.6	15490.3
AM062679.1	137266	103.4	353.3	733.4	266.1	99.4	1694.3
AB426479.1	269712	137.7	218.4	552.4	138.6	71.7	888.3
GU451184.1	529958	180.4	444.9	973.0	181.4	137.9	1475.3
CP000227.1	522650	137.3	530.2	1071.9	315.2	109.8	2531.1
DQ298333.1	151393	523.4	1208.5	866.9	386.7	669.8	810.0
EU624430.1	281099	1321.2	1801.1	674.0	798.7	1300.7	3770.3
DQ401074.1	151964	1253.3	2373.6	2187.8	3774.4	4666.3	5273.3
DQ148952.1	139137	1939.7	2678.0	2555.0	4018.8	4844.0	4933.1
EU543689.1	260983	8962.6	10877.6	6710.3	8378.3	9392.9	8466.5
GU201872.1	584857	3230.4	3650.5	2646.5	4115.9	2843.3	2580.6
EU924505.1	350569	373.5	469.3	1491.2	1184.9	603.6	1635.3
EU647704.1	277059	205.8	241.2	727.3	795.7	342.3	787.0
AB106345.1	85964	213.5	369.7	700.1	203.0	79.2	1339.9
GU384232.1	543468	513.5	1665.4	831.4	404.4	223.4	4536.0
AY907828.2	204840	131.1	270.0	791.0	176.2	105.5	812.1
GQ118339.1	453573	157.6	463.5	413.9	194.6	102.6	1442.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	42741
s__unclassified	42748
s__unclassified	42750
s__unclassified	42758
s__unclassified	42762
s__unclassified	42769
s__unclassified	42772
s__unclassified	42773
s__unclassified	42779
s__unclassified	42783
s__unclassified	42786
s__unclassified	42787
s__unclassified	42788
s__unclassified	42789
s__unclassified	42790
s__unclassified	42793
s__unclassified	42800
s__unclassified	42801
s__unclassified	42805
s__unclassified	42819
s__unclassified	42823
s__unclassified	42824
s__unclassified	42828
s__unclassified	42837
s__unclassified	42838
s__unclassified	42839
s__unclassified	42843
s__unclassified	42845
s__unclassified	42865
s__unclassified	42879
s__unclassified	42881
s__unclassified	42883
s__unclassified	42884
s__unclassified	42885
s__unclassified	42894
s__unclassified	42897
s__unclassified	42899
s__unclassified	42902
s__unclassified	42904
s__unclassified	42906
s__unclassified	42911

GU129142.1 gg_id:593424 Lysinibacillus fusiformis str. TMB3
FN393819.1 gg_id:536482 Bacillus cereus str. ES-4a1
EU977727.1 gg_id:546930 Bacillus thuringiensis str. 2P04AnC
EU429662.1 gg_id:580074 Bacillus thuringiensis serovar galleriae str. CB01/T4
ABKG01000011.1 gg_id:263955 Bacillus anthracis str. A0442
EU429672.1 gg_id:538578 Bacillus thuringiensis serovar israelensis str. B6064
EU625360.1 gg_id:277956 Bacillus thuringiensis LDC-415
GQ199590.1 gg_id:521781 Bacillus cereus str. DL-3-1
AY176769.1 gg_id:78682 Bacillus cereus str. HJ20
EU240438.1 gg_id:242746 Bacillus cereus str. B157
EU155873.1 gg_id:247572 Bacillus thuringiensis str. AN116
CP001176.1 gg_id:515933 Bacillus cereus str. B4264
EU116048.1 gg_id:244942 Bacillus thuringiensis str. 112B
FJ859686.1 gg_id:555005 Bacillus cereus str. BIHB 339
NZ_ABDJ01000015.1 gg_id:259089 Bacillus cereus str. G9842
EU624434.1 gg_id:284074 Bacillus cereus str. S6-10
AY148429.1 gg_id:71520 Bacillus hackensackii
AB364962.1 gg_id:242335 Bacillus lentus str. S3
GQ249626.1 gg_id:512945 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 18-20 cm layer cl
EU977649.1 gg_id:534073 Bacillus thuringiensis str. 1P05AA
EU647707.1 gg_id:277002 Bacillus mycoides str. REG65
AY373320.1 gg_id:94901 Bacillus thermoamylovorans str. R-7499
ABLH01000020.1 gg_id:266008 Bacillus anthracis str. A0465
DQ289058.1 gg_id:142281 Bacillus cereus HKS 2-1
NZ_ABDK01000027.1 gg_id:268120 Bacillus cereus str. NVH0597-99
Y13065.1 gg_id:79728 Bacillus circulans str. WSBC20061
EU240435.1 gg_id:249373 Bacillus cereus str. B151
Z84575.1 gg_id:14929 Bacillus cereus str. WSBC10030
EU019990.1 gg_id:252281 Bacillus cereus str. LAM 30
AF390086.1 gg_id:28561 Bacillus cereus str. S-5
DQ129534.1 gg_id:138014 microarray level air two cities Texas urban aerosol clone AKIW570
EU240427.1 gg_id:244289 Bacillus cereus str. B176
FJ386543.1 gg_id:360493 Bacillus cereus str. ST43
EU169186.1 gg_id:239266 Bacillus weihenstephanensis str. B31
DQ870756.1 gg_id:217985 Bacillus cereus str. KSC_UV5b
CP000227.1 gg_id:522651 Bacillus cereus str. Q1
DQ120941.1 gg_id:137299 Bacillus cereus str. TF4
EF428235.2 gg_id:226835 Bacillus cereus str. HDYM-5
EU134607.1 gg_id:252741 tallgrass prarie soil clone FFCH5227
EU366380.1 gg_id:273324 Bacillus thuringiensis str. IV18
DQ286344.1 gg_id:143435 Bacillus thuringiensis

GU129142.1	593424	968.7	2128.1	474.9	984.2	3627.5	1851.8
FN393819.1	536482	94.7	324.7	798.4	355.5	129.7	1324.6
EU977727.1	546930	207.3	617.6	1190.6	277.9	87.6	2146.5
EU429662.1	580074	119.5	418.2	753.9	224.4	88.3	1714.7
ABKG01000011.1	263955	10169.2	10428.4	9593.1	8758.6	7422.1	8690.0
EU429672.1	538578	105.4	344.1	529.0	198.2	67.2	1434.0
EU625360.1	277956	130.1	223.8	415.1	165.8	95.0	808.6
GQ199590.1	521781	3625.3	3261.5	3244.9	3416.8	2303.9	4621.9
AY176769.1	78682	7468.1	8193.4	7265.3	7556.5	7479.2	7838.8
EU240438.1	242746	79.3	102.3	187.4	84.2	53.1	169.3
EU155873.1	247572	74.6	318.2	662.9	219.8	92.1	1191.8
CP001176.1	515933	121.9	268.0	362.7	131.4	92.6	1103.7
EU116048.1	244942	278.5	640.3	1445.1	351.1	110.9	2804.2
FJ859686.1	555005	138.9	627.1	667.2	201.9	100.7	2054.8
NZ_ABDJ01000015.1	259089	53.2	138.0	186.6	79.3	62.2	317.7
EU624434.1	284074	12371.9	11704.1	6152.2	9671.3	9517.8	10847.3
AY148429.1	71520	548.4	1205.8	597.3	270.0	445.2	861.6
AB364962.1	242335	165.8	443.1	358.8	99.5	387.1	443.8
GQ249626.1	512945	7310.8	6300.4	4823.8	8391.7	11305.2	9639.1
EU977649.1	534073	106.3	369.6	842.5	226.4	70.4	1536.4
EU647707.1	277002	631.8	959.4	1442.7	631.0	908.6	1302.6
AY373320.1	94901	2497.2	1976.7	593.4	1021.7	189.4	554.2
ABLH01000020.1	266008	694.9	1332.5	715.2	466.1	676.1	2670.6
DQ289058.1	142281	2170.2	2924.0	1514.7	1877.9	1915.5	2385.7
NZ_ABDK01000027.1	268120	192.3	3354.4	2368.8	2544.1	2696.2	4988.4
Y13065.1	79728	9057.7	8589.8	9750.2	9221.7	8445.1	9570.1
EU240435.1	249373	517.0	523.8	1720.6	273.6	536.7	1705.1
Z84575.1	14929	10751.7	10986.7	7860.6	6584.9	9373.2	9351.0
EU019990.1	252281	4263.6	4724.8	3867.2	3174.3	2253.3	3406.5
AF390086.1	28561	10770.5	9639.6	7243.0	6877.4	10721.7	9586.3
DQ129534.1	138014	25.2	62.4	49.2	71.1	51.9	627.5
EU240427.1	244289	87.0	248.3	1109.3	260.9	247.6	1143.1
FJ386543.1	360493	549.9	716.2	467.5	336.5	717.5	1130.0
EU169186.1	239266	52.8	295.3	1107.3	312.5	253.7	445.2
DQ870756.1	217985	606.5	556.7	1069.1	320.2	696.2	1298.3
CP000227.1	522651	144.5	502.4	1090.6	464.0	120.4	2720.4
DQ120941.1	137299	4837.7	4141.0	1609.5	5434.7	6996.6	7664.3
EF428235.2	226835	6784.1	6354.7	2993.4	6672.1	9010.3	8154.5
EU134607.1	252741	7726.6	6136.8	3463.4	7444.1	3883.1	3926.5
EU366380.1	273324	9426.4	8991.0	5940.0	3381.9	3336.6	4891.5
DQ286344.1	143435	42.5	63.5	96.4	78.3	78.1	310.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	42918
s__unclassified	42919
s__unclassified	42921
s__unclassified	42930
s__unclassified	42932
s__unclassified	42933
s__unclassified	42938
s__unclassified	42945
s__unclassified	42946
s__unclassified	42950
s__unclassified	42954
s__unclassified	42955
s__unclassified	42963
s__unclassified	42965
s__unclassified	42967
s__unclassified	42973
s__unclassified	42975
s__unclassified	42976
s__unclassified	42978
s__unclassified	42985
s__unclassified	42994
s__unclassified	42995
s__unclassified	43002
s__unclassified	43009
s__unclassified	43020
s__unclassified	43022
s__unclassified	43024
s__unclassified	43025
s__unclassified	43029
s__unclassified	43041
s__unclassified	43043
s__unclassified	43045
s__unclassified	43047
s__unclassified	43054
s__unclassified	43055
s__unclassified	43056
s__unclassified	43057
s__unclassified	43061
s__unclassified	43066
s__unclassified	43068
s__unclassified	43075

EU363703.1 gg_id:258397 Geobacillus stearothermophilus str. 3
FJ009400.1 gg_id:329448 Bacillus anthracis str. F9
AM422128.1 gg_id:211855 Bacillus cereus GMX6
AJ539225.1 gg_id:79142 Bacillus cereus str. A78
GU384234.1 gg_id:551415 Bacillus cereus str. ZQN4
GQ284404.1 gg_id:551871 Bacillus sp. str. TSWCSN11
NZ_ABDJ01000021.1 gg_id:263316 Bacillus cereus str. G9842
GQ344802.1 gg_id:534302 Bacillus mycoides str. DFC1
EF173328.1 gg_id:176333 Bacillus cereus MKI14
EU439438.1 gg_id:261787 Bacillus cereus str. 2B24P31
AJ577275.1 gg_id:89224 Bacillus cereus str. B 308
EU874877.1 gg_id:314756 Bacillus cereus W65
FJ449630.1 gg_id:362553 Bacillus cereus str. NJU110
EU834245.1 gg_id:336418 Bacillus cereus str. DS16
FJ784127.1 gg_id:547186 Bacillus thuringiensis str. L79
EF690431.1 gg_id:246027 Bacillus cereus NH12-2
DQ648274.1 gg_id:160122 Bacillus cereus str. EKS4-2
FM179770.1 gg_id:316755 Acetobacter pasteurianus str. BAC24
FJ194529.1 gg_id:309115 Bacillus sp. str. EC13
FM179769.1 gg_id:307651 Acetobacter pasteurianus str. AUC29
EF422071.1 gg_id:206243 Bacillus cereus str. 4.1.1.B
EU240432.1 gg_id:245763 Bacillus cereus str. B148
GQ148914.1 gg_id:438303 Bacillus cereus str. MBL13
EF185296.1 gg_id:185879 Bacillus cereus str. XJU-1
FJ435228.1 gg_id:362469 Bacillus pumilus str. 17
DQ129443.1 gg_id:137595 urban aerosol clone AKIW914
NZ_ABDN01000028.1 gg_id:270356 Bacillus anthracis str. Tsiankovskii-I
EU048539.1 gg_id:236655 Bacillus cereus str. DC11
EU037097.1 gg_id:252646 Bacillus thuringiensis str. AAJ18
AF160221.1 gg_id:14971 Bacillus thuringiensis
FJ601906.1 gg_id:517014 Bacillus thuringiensis str. INRS10
EU366384.1 gg_id:259344 Bacillus cereus str. IV12
FJ393303.1 gg_id:360120 Bacillus mycoides str. TCCC11292
EF210297.1 gg_id:221031 Bacillus cereus str. BGSC 6A17
NZ_ABDK01000016.1 gg_id:264203 Bacillus cereus str. NVH0597-99
DQ870694.1 gg_id:219738 Bacillus thuringiensis str. KSC_SF4d
NZ_ABDL02000029.1 gg_id:335805 Bacillus cereus str. H3081.97
EF210283.1 gg_id:222409 Bacillus weihenstephanensis str. WSBC 10365
GQ421475.1 gg_id:567815 Bacillus anthracis str. B14
NZ_ABLB01000010.1 gg_id:267868 Bacillus anthracis str. A0389
DQ206989.1 gg_id:139967 Bacillus thuringiensis

EU363703.1	258397	4149.3	4600.6	1970.7	6863.4	7964.8	6055.3
FJ009400.1	329448	28.7	79.0	89.0	60.8	75.2	63.1
AM422128.1	211855	3569.6	4921.1	3870.6	5441.5	9598.8	10087.2
AJ539225.1	79142	198.3	625.7	494.1	255.1	161.3	1793.4
GU384234.1	551415	8374.4	7089.1	8238.8	8551.9	6446.6	7135.5
GQ284404.1	551871	288.2	512.3	1930.1	763.8	270.9	2530.7
NZ_ABDJ01000021.1	263316	152.5	227.3	459.4	220.0	103.1	1321.5
GQ344802.1	534302	170.6	509.9	832.7	232.4	88.3	2729.4
EF173328.1	176333	208.6	683.6	1128.2	493.6	123.5	3254.1
EU439438.1	261787	118.0	386.8	901.1	292.3	94.5	2629.4
AJ577275.1	89224	90.2	296.6	745.9	345.3	117.7	1312.4
EU874877.1	314756	2445.2	2347.5	3131.3	3062.3	1966.2	2854.1
FJ449630.1	362553	2466.9	3054.3	1653.2	2131.8	4857.1	4206.8
EU834245.1	336418	78.0	258.7	302.8	174.2	75.7	953.8
FJ784127.1	547186	307.1	284.3	894.8	990.3	451.3	583.3
EF690431.1	246027	4165.4	4069.2	3235.2	3767.3	1540.2	2417.2
DQ648274.1	160122	236.7	496.2	857.1	266.9	95.8	2066.9
FM179770.1	316755	250.8	685.4	956.7	240.0	91.1	2224.0
FJ194529.1	309115	2387.1	2953.5	1516.4	1858.2	1577.7	1784.1
FM179769.1	307651	109.8	546.7	642.7	223.5	104.6	1461.5
EF422071.1	206243	8685.5	10179.6	6404.9	9473.5	12749.7	11550.3
EU240432.1	245763	54.9	172.1	366.3	114.7	56.6	677.7
GQ148914.1	438303	1422.2	1881.9	1894.5	1297.3	1527.2	3432.0
EF185296.1	185879	169.9	624.7	1138.3	377.2	205.3	2144.6
FJ435228.1	362469	2008.1	2247.9	2256.0	2348.5	1283.9	2219.5
DQ129443.1	137595	190.1	318.2	740.0	227.6	69.3	1387.3
NZ_ABDN01000028.1	270356	1008.0	1966.0	938.2	585.4	363.1	1915.6
EU048539.1	236655	13191.4	12477.1	10047.9	13138.2	11180.4	12760.7
EU037097.1	252646	867.1	1008.4	872.2	1299.9	247.4	2478.2
AF160221.1	14971	202.3	353.7	690.0	194.5	68.8	1503.2
FJ601906.1	517014	1965.7	2758.5	1159.5	2614.7	3057.8	4210.6
EU366384.1	259344	14325.7	15439.9	13801.7	16907.3	18716.0	14411.8
FJ393303.1	360120	1377.2	1632.7	1285.0	1288.4	1700.1	1626.4
EF210297.1	221031	618.8	1209.1	918.3	575.1	634.9	3082.1
NZ_ABDK01000016.1	264203	339.5	633.2	1404.0	336.4	85.3	3320.2
DQ870694.1	219738	79.7	387.6	1008.7	340.8	244.2	1541.7
NZ_ABDL02000029.1	335805	10110.2	10128.5	6887.7	6122.5	8428.9	10633.1
EF210283.1	222409	200.0	714.0	513.3	246.7	148.0	2030.0
GQ421475.1	567815	78.6	341.9	419.6	176.8	75.2	1171.0
NZ_ABLB01000010.1	267868	258.7	603.3	1368.9	316.9	121.6	2467.8
DQ206989.1	139967	4555.8	3927.1	985.8	7497.1	7875.5	6342.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	43081
s__unclassified	43082
s__unclassified	43091
s__unclassified	43097
s__unclassified	43098
s__unclassified	43100
s__unclassified	43102
s__unclassified	43103
s__unclassified	43107
s__unclassified	43108
s__unclassified	43114
s__unclassified	43115
s__unclassified	43119
s__unclassified	43122
s__unclassified	43131
s__unclassified	43135
s__unclassified	43137
s__unclassified	43148
s__unclassified	43153
s__unclassified	43160
s__unclassified	43165
s__unclassified	43168
s__unclassified	43170
s__unclassified	43171
s__unclassified	43177
s__unclassified	43182
s__unclassified	43185
s__unclassified	43196
s__unclassified	43204
s__unclassified	43211
s__unclassified	43214
s__unclassified	43215
s__unclassified	43223
s__unclassified	43224
s__unclassified	43238
s__unclassified	43240
s__unclassified	43246
s__unclassified	43247
s__unclassified	43255
s__unclassified	43258
s__unclassified	43264

Y13063.1 gg_id:80062 Bacillus circulans str. WSBC20059
AE017355.1 gg_id:128844 Bacillus thuringiensis serovar konkukian str. 97-27
DQ432009.1 gg_id:152215 Bacillus cereus str. 9a
AJ863231.1 gg_id:126091 poplar tree microcosm bulk soil flooded clone 21BSF51
DQ286350.1 gg_id:141540 Bacillus thuringiensis
EU369159.1 gg_id:325946 libraries oyster shell clone MBHOS-10
GQ280808.1 gg_id:563743 Bacillus cereus str. MG209
NZ_ABDK01000016.1 gg_id:264201 Bacillus cereus str. NVH0597-99
EU400647.1 gg_id:261102 Bacillus cereus LBS5
EF381743.1 gg_id:204035 Paenibacillus larvae
AY987935.1 gg_id:122439 Bacillus cereus G3
FJ267613.1 gg_id:309408 Bacillus cereus str. SK
FJ393313.1 gg_id:360917 Bacillus thuringiensis str. TCCC11336
EF210300.1 gg_id:219981 Bacillus thuringiensis serovar alesti str. IEBC-T03 001
FJ999565.1 gg_id:420620 Bacillus thuringiensis str. HLSB62
DQ129535.1 gg_id:137880 microarray level air two cities Texas urban aerosol clone AKIW672
DQ129289.1 gg_id:137819 microarray level air two cities Texas urban aerosol clone AKIW617
AM293344.1 gg_id:561606 Bacillus thuringiensis str. DAB-Bt6
DQ002384.1 gg_id:117551 Bacillus cereus str. ITRC_S6
GU339262.1 gg_id:534618 Bacillus anthracis str. EH33
AY373357.1 gg_id:94646 Bacillus mycoides str. c2
EU231628.1 gg_id:252018 Bacillus cereus str. TCCC11017
AY319260.1 gg_id:99016 Bacillus cereus str. IBT016
EU977819.1 gg_id:541219 Bacillus thuringiensis str. 1P03AC
GQ478254.1 gg_id:589348 Bacillus cereus str. HN002
FJ841975.1 gg_id:576287 Bacillus cereus str. MTCC 9817; AKG1
AY397764.1 gg_id:98060 Bacillus sp. str. R-6488
GU166175.1 gg_id:593966 intestinal tract larvae (Musca domestica) direct cloning and sequencing genes whea
DQ286340.1 gg_id:144390 Bacillus thuringiensis
EF472265.1 gg_id:220681 Bacillus cereus str. LQ270
FJ598018.1 gg_id:549569 Bacillus cereus str. Bc6301
GQ482979.1 gg_id:576927 Bacillus cereus
EU862559.1 gg_id:318567 Bacillus cereus str. ABc28
FJ393308.1 gg_id:364548 Bacillus cereus str. TCCC11307
DQ870696.1 gg_id:219418 Bacillus thuringiensis str. KSC_SF3a
EU240431.1 gg_id:256533 Bacillus cereus str. B189
DQ648272.1 gg_id:160959 Bacillus cereus str. EKN8-11
EF210291.1 gg_id:227076 Bacillus thuringiensis serovar finitimus str. BGSC 4B2
EU867374.1 gg_id:576820 Bacillus thuringiensis str. CCGE2286
FJ544356.1 gg_id:417757 Bacillus cereus str. ji16
EU624445.1 gg_id:283792 Bacillus cereus str. SS-07

Y13063.1	80062	10523.8	10696.0	4601.5	9044.5	8525.5	9097.9
AE017355.1	128844	121.2	446.2	721.0	246.8	108.7	2108.8
DQ432009.1	152215	181.7	641.5	635.4	275.2	97.6	2110.2
AJ863231.1	126091	541.3	385.6	466.1	136.7	196.4	1433.6
DQ286350.1	141540	103.0	237.6	404.9	157.1	242.7	718.6
EU369159.1	325946	920.8	854.8	1155.9	1590.2	385.8	901.9
GQ280808.1	563743	2158.7	3063.9	5530.9	3690.5	6249.2	6167.7
NZ_ABDK01000016.1	264201	179.1	3141.3	2337.8	2547.6	2699.2	5199.4
EU400647.1	261102	679.3	777.0	980.5	387.7	703.7	1599.5
EF381743.1	204035	19.2	34.4	26.3	43.7	70.0	38.2
AY987935.1	122439	114.4	374.9	813.7	236.2	87.5	1647.2
FJ267613.1	309408	132.2	517.2	893.6	330.3	105.7	2202.4
FJ393313.1	360917	2205.5	2528.7	2229.1	2127.4	1171.0	2370.2
EF210300.1	219981	61.9	176.7	249.6	87.4	73.3	323.1
FJ999565.1	420620	76.5	81.3	260.6	129.0	94.5	940.5
DQ129535.1	137880	81.4	136.1	674.2	76.7	104.4	112.2
DQ129289.1	137819	181.8	438.4	374.0	91.0	330.1	356.6
AM293344.1	561606	7521.2	9264.2	2798.1	4825.0	514.9	1490.9
DQ002384.1	117551	399.3	866.5	1055.3	369.0	882.2	3447.4
GU339262.1	534618	1628.7	1721.3	1397.0	1592.0	1539.1	4420.0
AY373357.1	94646	64.0	95.8	158.1	95.7	95.9	727.3
EU231628.1	252018	1806.8	2028.9	2226.7	1272.1	6606.6	5118.2
AY319260.1	99016	14310.7	12010.5	6163.6	8119.9	9270.5	11587.1
EU977819.1	541219	95.5	264.6	350.7	177.5	60.7	1147.4
GQ478254.1	589348	327.9	617.8	795.2	385.1	354.3	1616.9
FJ841975.1	576287	122.5	202.1	372.7	147.5	74.1	898.6
AY397764.1	98060	3823.9	4739.7	2013.8	2277.5	3201.5	3012.6
GU166175.1	593966	30.1	116.5	96.8	75.7	2220.9	75.7
DQ286340.1	144390	2520.5	2032.6	1711.1	2617.5	1564.6	1579.9
EF472265.1	220681	194.9	685.0	656.0	261.8	101.7	2594.3
FJ598018.1	549569	179.1	250.0	616.3	837.7	342.5	739.6
GQ482979.1	576927	555.6	747.9	473.6	339.6	712.6	1050.7
EU862559.1	318567	1190.6	1561.5	1788.2	1550.6	1733.8	1628.4
FJ393308.1	364548	430.9	1237.3	2073.7	759.8	3104.7	5112.2
DQ870696.1	219418	5381.4	5321.9	1654.2	7020.0	8837.7	7627.3
EU240431.1	256533	90.1	496.6	281.4	154.4	82.5	1469.5
DQ648272.1	160959	155.3	456.8	402.9	195.1	151.8	1661.4
EF210291.1	227076	128.3	469.7	1439.7	375.3	285.0	2131.8
EU867374.1	576820	283.3	227.2	881.1	186.7	67.1	1151.8
FJ544356.1	417757	8741.3	7907.2	5684.2	11389.2	9485.9	12935.3
EU624445.1	283792	7446.3	7686.9	3678.1	6059.7	7463.8	6702.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	43270
s__unclassified	43281
s__unclassified	43282
s__unclassified	43284
s__unclassified	43297
s__unclassified	43300
s__unclassified	43301
s__unclassified	43305
s__unclassified	43309
s__unclassified	43312
s__unclassified	43329
s__unclassified	43332
s__unclassified	43337
s__unclassified	43340
s__unclassified	43343
s__unclassified	43346
s__unclassified	43347
s__unclassified	43356
s__unclassified	43359
s__unclassified	43361
s__unclassified	43362
s__unclassified	43370
s__unclassified	43375
s__unclassified	43376
s__unclassified	43377
s__unclassified	43379
s__unclassified	43380
s__unclassified	43383
s__unclassified	43390
s__unclassified	43391
s__unclassified	43394
s__unclassified	43397
s__unclassified	43403
s__unclassified	43411
s__unclassified	43412
s__unclassified	43414
s__unclassified	43420
s__unclassified	43424
s__unclassified	43427
s__unclassified	43431
s__unclassified	43433

AB535529.1 gg_id:583542 Bacillus cereus str. YB-4
FJ959395.1 gg_id:418102 Bacillus cereus str. MRbS26
EU363705.1 gg_id:262836 Bacillus sp. 11(2008) str. 11
DQ129529.1 gg_id:137810 microarray level air two cities Texas urban aerosol clone AKIW482
DQ286355.1 gg_id:143331 Bacillus thuringiensis
NC_007530.2 gg_id:128590 Bacillus anthracis 'Ames Ancestor' str. Ames Ancestor; A2084
EU168402.1 gg_id:262529 Bacillus cereus str. IBL10048
EU240439.1 gg_id:251847 Bacillus weihenstephanensis str. B158
AE017194.1 gg_id:148272 Bacillus cereus str. ATCC 10987
DQ983194.1 gg_id:189670 Bacillus cereus str. ABPL 107
AY176771.2 gg_id:78603 Bacillus cereus str. HJ9
FJ641037.1 gg_id:547878 Bacillus cereus str. IMAUB1020; BM6-2
FJ859688.1 gg_id:534972 Bacillus cereus str. BIHB 342
L27478.1 gg_id:14594 Bacillus thermoamylovorans str. CNCM I-1378
AM293342.1 gg_id:543726 Bacillus thuringiensis str. DNB-Bt4
EU429661.1 gg_id:539396 Bacillus thuringiensis serovar dendrolimus str. CB02
AY443038.1 gg_id:101387 Bacillus fortis str. R-6514
AY279195.1 gg_id:86963 Bacillus cereus str. KNUC53
FJ435223.1 gg_id:363956 Bacillus licheniformis str. 12
DQ112249.1 gg_id:136170 Bacillus cereus str. CWBI-B1082
GQ395344.1 gg_id:573782 Bacillus cereus str. VITSCCr02
AJ853737.1 gg_id:108699 Bacillus cereus SLF6
DQ289059.1 gg_id:142979 Bacillus cereus HKS 2-2
NZ_ABDK01000025.1 gg_id:267974 Bacillus cereus str. NVH0597-99
EU236741.1 gg_id:252502 Bacillus thuringiensis str. Z12
GU391527.1 gg_id:561229 Bacillus pseudomycoides str. NI4
EU862564.1 gg_id:345324 Bacillus cereus str. AB31
EU047593.1 gg_id:236591 Bacillus cereus str. JZ
EU429663.1 gg_id:552736 Bacillus thuringiensis serovar kurstaki str. B6066
EU652055.1 gg_id:277261 Bacillus thuringiensis str. me-2
EU430093.1 gg_id:274716 Bacillus cereus str. 770
FJ601908.1 gg_id:526379 Bacillus thuringiensis str. INRS12
NZ_AAEO01000030.1 gg_id:551002 Bacillus anthracis str. A1055
AJ577276.1 gg_id:90668 Bacillus cereus str. F 5881/94
EU384285.1 gg_id:268205 Bacillus sp. B31(2008) str. B31
GQ495095.1 gg_id:539375 Bacillus cereus str. BC002
AJ288157.1 gg_id:30826 Bacillus cereus Ki 2l
AM910347.1 gg_id:349672 Bacillus sp. str. R-33857
EU977685.1 gg_id:557625 Bacillus thuringiensis str. 2P07AB
NZ_ABDA01000059.1 gg_id:269025 Bacillus cereus str. AH1134
DQ129312.1 gg_id:138133 microarray level air two cities Texas urban aerosol clone AKIW430

AB535529.1	583542	313.9	605.2	1291.5	308.9	93.6	2917.7
FJ959395.1	418102	570.2	836.8	622.7	364.1	671.4	1534.7
EU363705.1	262836	11494.8	11266.0	6778.6	12571.2	9305.5	10707.6
DQ129529.1	137810	614.8	534.7	427.8	349.7	163.1	467.0
DQ286355.1	143331	213.9	226.1	899.0	178.2	91.9	1385.3
NC_007530.2	128590	603.0	847.0	1223.0	477.9	96.6	5467.4
EU168402.1	262529	675.4	788.3	981.2	397.2	725.6	1702.2
EU240439.1	251847	54.2	301.9	1161.1	310.6	262.6	445.3
AE017194.1	148272	292.1	237.0	607.2	160.7	91.7	920.3
DQ983194.1	189670	12472.4	13469.4	8822.5	10033.6	8991.4	8156.6
AY176771.2	78603	174.8	163.9	512.3	121.9	74.7	705.4
FJ641037.1	547878	114.1	442.5	511.8	230.9	69.5	2327.3
FJ859688.1	534972	2050.7	2397.6	2223.9	1695.4	1778.1	2390.4
L27478.1	14594	1154.0	1317.3	605.4	172.9	149.8	473.6
AM293342.1	543726	620.4	1288.2	924.6	589.9	649.5	3068.7
EU429661.1	539396	162.9	285.5	1110.4	244.6	119.9	2123.0
AY443038.1	101387	571.2	799.6	899.1	121.9	5811.0	215.0
AY279195.1	86963	11631.5	10231.1	4473.4	6294.4	8366.6	7597.9
FJ435223.1	363956	1395.1	3292.0	9709.7	2237.0	7623.8	6788.3
DQ112249.1	136170	91.8	271.0	768.3	345.5	110.6	1310.6
GQ395344.1	573782	72.7	231.2	560.4	179.8	101.2	1177.4
AJ853737.1	108699	62.6	197.3	154.3	123.3	86.3	825.1
DQ289059.1	142979	2180.6	2982.0	1437.1	1899.3	1918.2	2837.7
NZ_ABDK01000025.1	267974	84.3	180.2	398.7	171.2	69.9	1582.0
EU236741.1	252502	203.9	219.5	631.3	174.8	97.2	950.7
GU391527.1	561229	4650.6	4473.0	3343.6	5883.0	2570.2	4396.4
EU862564.1	345324	115.7	145.2	304.5	87.8	60.6	382.1
EU047593.1	236591	119.7	562.3	1007.8	329.1	109.9	2212.8
EU429663.1	552736	382.4	556.5	1556.8	1454.5	439.1	1553.5
EU652055.1	277261	240.3	813.0	991.9	368.5	105.5	3556.2
EU430093.1	274716	5891.8	7571.0	4233.9	6334.0	3971.0	6023.6
FJ601908.1	526379	79.2	236.7	289.0	143.4	87.6	1053.4
NZ_AAEO01000030.1	551002	8552.5	10314.7	9064.8	9772.7	11719.0	11653.0
AJ577276.1	90668	97.3	359.2	926.0	344.5	239.7	1534.2
EU384285.1	268205	5242.4	5087.9	3071.5	7312.5	2773.1	4417.3
GQ495095.1	539375	621.7	1200.2	900.6	544.5	651.0	3169.2
AJ288157.1	30826	38.2	35.6	36.3	58.0	61.0	28.0
AM910347.1	349672	225.7	309.4	536.4	323.3	109.4	1571.5
EU977685.1	557625	113.9	409.2	1076.5	424.6	109.5	2078.0
NZ_ABDA01000059.1	269025	113.2	423.1	491.7	222.3	111.3	1577.5
DQ129312.1	138133	1216.5	2064.4	3910.1	1404.1	2328.1	1896.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	43434
s__unclassified	43441
s__unclassified	43448
s__unclassified	43455
s__unclassified	43461
s__unclassified	43462
s__unclassified	43463
s__unclassified	43470
s__unclassified	43475
s__unclassified	43476
s__unclassified	43477
s__unclassified	43482
s__unclassified	43485
s__unclassified	43486
s__unclassified	43489
s__unclassified	43491
s__unclassified	43496
s__unclassified	43503
s__unclassified	43506
s__unclassified	43511
s__unclassified	43515
s__unclassified	43518
s__unclassified	43519
s__unclassified	43522
s__unclassified	43528
s__unclassified	43530
s__unclassified	43532
s__unclassified	43540
s__unclassified	43546
s__unclassified	43547
s__unclassified	43550
s__unclassified	43560
s__unclassified	43565
s__unclassified	43568
s__unclassified	43571
s__unclassified	43572
s__unclassified	43575
s__unclassified	43578
s__unclassified	43593
s__unclassified	43596
s__unclassified	43602

EU050990.1 gg_id:242300 Bacillus cereus str. D-11
DQ286357.1 gg_id:144990 Bacillus thuringiensis
EU366370.1 gg_id:270647 Bacillus thuringiensis str. I3
EF513610.1 gg_id:222578 Bacillus cereus str. M2
ABDL02000065.1 gg_id:349779 Bacillus cereus str. H3081.97
GQ201999.1 gg_id:553539 Bacillus thuringiensis serovar kurstaki str. AR-12
AB247138.1 gg_id:172810 Bacillus cereus str. 10-L-2
DQ129333.1 gg_id:153131 microarray level air two cities Texas urban aerosol clone AKIW680
GU250444.1 gg_id:592032 Bacillus cereus str. BFE 5384
EF422070.1 gg_id:207316 Bacillus cereus str. S10
NZ_AAES01000041.2 gg_id:537277 Bacillus anthracis str. Australia 94
GQ199740.1 gg_id:576431 Bacillus sp. str. 210_38
EU326485.1 gg_id:247248 Bacillus cereus str. K07-26
NR_025580.1 gg_id:553863 Bacillus galactosidilyticus str. LMG 17892
Y18473.1 gg_id:14937 Bacillus thuringiensis str. WS2623
AM910408.1 gg_id:544567 Bacillus mycoides str. PNP isolate BGSC1
AJ577277.1 gg_id:89749 Bacillus cereus str. B 203
GU433107.1 gg_id:581527 Bacillus cereus str. AG1
AM922195.1 gg_id:236741 Bacillus cereus Sulf-1690
AB547222.1 gg_id:523524 Bacillus mycoides str. NCCP-37
FJ601899.1 gg_id:510183 Bacillus thuringiensis str. INRS3
GU332642.1 gg_id:565790 Bacillus cereus str. w10
FJ982654.1 gg_id:458917 Bacillus cereus str. JBE0004
EF464631.1 gg_id:206260 Identification sulfate reducing methylmercury contaminated SSU genes gold mine tai
DQ129505.1 gg_id:137577 urban aerosol clone AKIW947
DQ129483.1 gg_id:137961 microarray level air two cities Texas urban aerosol clone AKIW755
FJ435219.1 gg_id:363740 Bacillus cereus str. 4
DQ129285.1 gg_id:138036 microarray level air two cities Texas urban aerosol clone AKIW845
GU391526.1 gg_id:558383 Bacillus sp. str. Pd2F
DQ923486.1 gg_id:168628 Bacillus cereus str. D60
EU869251.1 gg_id:315357 Bacillus sp. str. BG-B18
AF155953.1 gg_id:35857 Bacillus thuringiensis str. 4042
DQ870727.1 gg_id:222166 Bacillus cereus str. JSCtot9-2
AJ000987.1 gg_id:14954 amplicon generated soil fraction (Drentse grasslands NED) clone DA095
EF522123.1 gg_id:222352 Bacillus cereus str. CU06
DQ105966.1 gg_id:138010 Bacillus thuringiensis str. 1
EF528290.1 gg_id:223115 Bacillus cereus str. CICCHLJ Q77
NC_008600.1 gg_id:191289 Bacillus thuringiensis str. Al Hakam
EU513393.1 gg_id:264930 Bacillus cereus str. TMPSB-M20
FJ393304.1 gg_id:359844 Bacillus cereus str. TCCC11299
DQ983193.1 gg_id:197398 Bacillus sp. str. ABPL 106

EU050990.1	242300	6642.5	7541.2	2522.6	7686.9	9037.4	8928.7
DQ286357.1	144990	544.6	853.8	560.0	464.6	631.5	2027.9
EU366370.1	270647	852.7	1285.5	2086.2	2428.0	2375.0	2134.3
EF513610.1	222578	37.6	76.4	39.3	101.4	143.8	123.0
ABDL02000065.1	349779	98.6	308.0	701.5	471.3	127.2	1404.9
GQ201999.1	553539	681.0	825.2	987.3	400.3	720.7	1586.1
AB247138.1	172810	229.0	777.5	922.6	309.5	267.9	2799.0
DQ129333.1	153131	340.9	653.9	3031.1	231.5	199.5	180.9
GU250444.1	592032	1714.5	2198.5	1621.1	1227.9	1539.2	5037.5
EF422070.1	207316	3085.7	4593.4	2644.6	1165.7	3067.7	3850.7
NZ_AAES01000041.2	537277	122.9	527.7	925.5	293.8	116.0	1949.3
GQ199740.1	576431	725.2	868.3	1000.5	485.0	729.9	1925.7
EU326485.1	247248	608.7	531.8	1073.6	334.0	690.5	1295.6
NR_025580.1	553863	2243.9	1474.6	1695.8	2500.0	513.6	4352.5
Y18473.1	14937	312.0	762.2	1133.0	322.5	108.6	3168.0
AM910408.1	544567	167.1	487.0	921.2	368.4	103.5	3089.3
AJ577277.1	89749	478.0	914.8	2316.9	509.6	780.8	1717.3
GU433107.1	581527	6164.6	4841.4	6791.6	5182.7	6321.3	6181.1
AM922195.1	236741	104.9	442.5	379.9	183.4	68.5	1161.6
AB547222.1	523524	57.6	190.1	297.3	136.7	81.7	1251.3
FJ601899.1	510183	232.8	509.2	857.8	277.1	111.4	2213.9
GU332642.1	565790	5583.2	5907.1	2527.0	5392.9	7294.8	8737.1
FJ982654.1	458917	130.1	222.2	380.3	170.3	95.4	1044.7
EF464631.1	206260	99.0	290.6	197.5	149.5	945.6	743.2
DQ129505.1	137577	1369.8	966.0	565.0	313.1	127.8	415.1
DQ129483.1	137961	729.5	1915.0	898.7	645.2	404.4	1622.5
FJ435219.1	363740	5780.5	6241.0	4569.7	6844.1	9525.7	8304.7
DQ129285.1	138036	346.7	287.1	936.7	264.0	91.3	1023.7
GU391526.1	558383	7431.5	7303.9	6244.6	10913.5	8365.6	9172.3
DQ923486.1	168628	60.1	173.2	215.2	80.3	65.1	420.9
EU869251.1	315357	3635.0	3509.6	1745.9	4322.4	5357.7	8331.8
AF155953.1	35857	90.0	338.4	768.8	246.5	107.0	1199.3
DQ870727.1	222166	555.0	622.5	1003.8	920.9	768.2	542.3
AJ000987.1	14954	2964.9	3939.7	1768.5	2956.0	2238.3	2923.2
EF522123.1	222352	221.7	358.3	1026.4	453.6	127.3	1990.6
DQ105966.1	138010	9985.5	10262.6	7459.6	8578.2	10481.0	10293.5
EF528290.1	223115	53.0	200.6	204.1	102.3	73.8	2003.4
NC_008600.1	191289	135.2	438.0	852.2	310.1	108.7	2640.4
EU513393.1	264930	961.0	926.9	628.7	739.8	220.5	2142.0
FJ393304.1	359844	190.2	604.0	932.9	314.5	114.7	2246.7
DQ983193.1	197398	1895.0	1936.4	1246.7	868.8	139.7	597.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	43610
s__unclassified	43612
s__unclassified	43613
s__unclassified	43627
s__unclassified	43629
s__unclassified	43632
s__unclassified	43640
s__unclassified	43641
s__unclassified	43643
s__unclassified	43647
s__unclassified	43653
s__unclassified	43657
s__unclassified	43659
s__unclassified	43668
s__unclassified	43669
s__unclassified	43670
s__unclassified	43671
s__unclassified	43674
s__unclassified	43677
s__unclassified	43688
s__unclassified	43689
s__unclassified	43703
s__unclassified	43705
s__unclassified	43706
s__unclassified	43710
s__unclassified	43716
s__unclassified	43717
s__unclassified	43719
s__unclassified	43726
s__unclassified	43728
s__unclassified	43737
s__unclassified	43740
s__unclassified	43744
s__unclassified	43746
s__unclassified	43755
s__unclassified	43765
s__unclassified	43778
s__unclassified	43782
s__unclassified	43783
s__unclassified	43786
s__unclassified	43787

CP000485.1 gg_id:185211 Bacillus thuringiensis str. Al Hakam
NC_005957.1 gg_id:128897 Bacillus thuringiensis serovar konkukian str. 97-27
DQ288144.1 gg_id:141831 Bacillus cereus str. RS108
GU384894.1 gg_id:523707 Bacillus thuringiensis str. ZJOU-010
EU240440.1 gg_id:238633 Bacillus cereus str. B159
EU240375.1 gg_id:239917 Bacillus cereus str. B89
AY279192.1 gg_id:87777 Bacillus cereus str. KNUC54
EF690419.1 gg_id:245212 Bacillus cereus N2-4
GU562000.1 gg_id:514353 Bacillus thuringiensis str. ML10
GQ280034.1 gg_id:581339 Bacillus anthracis str. BJ-24
DQ289074.1 gg_id:141221 Bacillus cereus FM31
EU513392.1 gg_id:270906 Bacillus thuringiensis str. TMPSB-P2
GU011948.1 gg_id:585335 Bacillus cereus str. NBST3
EU429667.1 gg_id:576227 Bacillus thuringiensis serovar sotto str. B6026
DQ286352.1 gg_id:141380 Bacillus thuringiensis
DQ129474.1 gg_id:155509 microarray level air two cities Texas urban aerosol clone AKIW611
NZ_ABDJ01000011.1 gg_id:269883 Bacillus cereus str. G9842
Z84587.1 gg_id:14943 Bacillus thuringiensis str. WS 2625
GU369675.1 gg_id:539205 Bacillus cereus str. DZ
FJ435227.1 gg_id:363297 Bacillus pumilus str. 16
EU874887.1 gg_id:324930 Bacillus thuringiensis W64
DQ350831.1 gg_id:146267 Geobacillus thermoglucosidasius str. MH403
EU219968.1 gg_id:242412 study prokaryotic approach landfill soil 5.5 ft. depth clone C150B
DQ915582.1 gg_id:170360 Bacillus cereus str. PB03
EU977772.1 gg_id:539035 Bacillus mycoides str. 1P04SB
EF210294.1 gg_id:220824 Bacillus thuringiensis serovar tohokuensis str. IEBC-T17 001
EU429670.1 gg_id:557958 Bacillus thuringiensis serovar morrisoni str. B6069
AY176767.1 gg_id:78840 Bacillus thuringiensis str. HJ15
GQ280810.1 gg_id:592806 Bacillus cereus str. NA5
GU167978.1 gg_id:588526 Bacillus cereus str. NK1
FJ763651.1 gg_id:586282 Bacillus cereus str. X5
FJ236808.1 gg_id:338518 Bacillus thuringiensis str. B4(1)
AB116122.1 gg_id:91444 Bacillus thuringiensis str. S32
FJ435221.1 gg_id:368155 Bacillus cereus str. 7
FJ937887.1 gg_id:570111 Bacillus cereus str. LS24
DQ365567.1 gg_id:147304 Bacillus cereus str. JA02
EF100618.1 gg_id:238613 Bacillus cereus str. HS-N25
EF407818.1 gg_id:558194 Bacillus cereus str. EP3
FJ601905.1 gg_id:522688 Bacillus thuringiensis str. INRS9
EU702408.1 gg_id:349015 Bacillus thuringiensis
GU001900.1 gg_id:594370 Bacillus thuringiensis str. PLA

CP000485.1	185211	6501.1	5180.1	7651.9	6374.6	5635.3	9853.5
NC_005957.1	128897	98.7	281.0	322.2	161.0	80.2	1804.8
DQ288144.1	141831	76.0	193.8	229.9	83.0	70.1	572.0
GU384894.1	523707	97.8	422.4	458.6	227.3	98.1	1796.4
EU240440.1	238633	553.5	472.0	1717.1	1973.5	957.6	1095.0
EU240375.1	239917	63.1	294.7	1090.2	297.1	243.6	401.0
AY279192.1	87777	4219.5	5393.3	3562.4	3754.8	8996.8	6974.6
EF690419.1	245212	71.2	132.3	122.4	118.3	96.8	160.9
GU562000.1	514353	168.6	544.9	754.2	238.5	82.0	2053.0
GQ280034.1	581339	4319.6	5442.2	3397.2	5326.5	6397.3	5724.1
DQ289074.1	141221	6909.7	8074.9	3280.7	6944.0	7060.0	7019.4
EU513392.1	270906	550.1	960.9	679.4	485.6	632.3	2082.4
GU011948.1	585335	195.0	218.8	726.3	143.9	80.0	950.9
EU429667.1	576227	9140.0	10568.7	4713.9	7331.3	9591.6	10066.6
DQ286352.1	141380	634.8	770.2	934.0	420.6	632.6	1659.8
DQ129474.1	155509	6788.0	6207.0	1643.1	4118.1	1375.7	3164.3
NZ_ABDJ01000011.1	269883	242.8	611.9	2078.0	326.6	442.8	1062.6
Z84587.1	14943	14023.1	12505.1	6149.4	10926.4	4592.9	4045.1
GU369675.1	539205	415.6	1831.5	3227.2	833.6	289.5	3034.1
FJ435227.1	363297	4038.7	6294.4	6212.3	4585.1	8107.2	6666.6
EU874887.1	324930	2336.2	2477.7	2896.9	3084.1	1963.7	3233.5
DQ350831.1	146267	7518.7	6650.2	4279.4	5754.2	6987.4	6396.3
EU219968.1	242412	390.1	656.4	944.9	266.5	160.8	2354.7
DQ915582.1	170360	5655.9	5013.9	3624.4	302.5	720.0	3736.2
EU977772.1	539035	40.8	119.9	86.2	68.1	59.2	272.5
EF210294.1	220824	275.9	662.4	1023.9	405.1	167.1	2080.1
EU429670.1	557958	385.1	776.5	2005.9	1318.2	417.0	2551.7
AY176767.1	78840	190.8	677.0	649.9	292.5	98.6	2420.5
GQ280810.1	592806	172.3	544.8	632.9	254.1	74.6	1926.2
GU167978.1	588526	93.4	334.2	667.2	209.5	105.0	1197.4
FJ763651.1	586282	54.6	136.6	132.7	75.3	58.2	291.5
FJ236808.1	338518	132.3	462.0	1015.8	442.4	123.7	2089.0
AB116122.1	91444	120.3	264.0	627.0	196.6	267.4	1055.9
FJ435221.1	368155	97.5	199.9	365.0	148.6	106.9	629.6
FJ937887.1	570111	251.4	490.8	976.7	281.5	101.6	2451.8
DQ365567.1	147304	2400.7	3643.8	1059.9	1911.5	1251.5	3160.2
EF100618.1	238613	77.6	238.3	382.4	151.3	101.4	440.7
EF407818.1	558194	35.7	75.7	47.2	73.2	68.8	231.0
FJ601905.1	522688	11124.8	12320.1	4346.3	11778.5	14499.3	13556.5
EU702408.1	349015	15444.7	13646.6	12896.3	16581.5	16295.5	14756.3
GU001900.1	594370	9245.6	9213.0	4258.4	9899.5	13132.7	12376.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	43788
s__unclassified	43789
s__unclassified	43804
s__unclassified	43810
s__unclassified	43819
s__unclassified	43821
s__unclassified	43825
s__unclassified	43826
s__unclassified	43834
s__unclassified	43839
s__unclassified	43843
s__unclassified	43852
s__unclassified	43855
s__unclassified	43857
s__unclassified	43859
s__unclassified	43860
s__unclassified	43873
s__unclassified	43874
s__unclassified	43876
s__unclassified	43878
s__unclassified	43882
s__unclassified	43888
s__unclassified	43897
s__unclassified	43901
s__unclassified	43904
s__unclassified	43906
s__unclassified	43907
s__unclassified	43915
s__unclassified	43916
s__unclassified	43918
s__unclassified	43924
s__unclassified	43929
s__unclassified	43938
s__unclassified	43942
s__unclassified	43956
s__unclassified	43959
s__unclassified	43973
s__unclassified	43981
s__unclassified	43986
s__unclassified	43992
s__unclassified	43996

FM179766.1 gg_id:319159 Acetobacter pasteurianus str. AUC13
EF210311.1 gg_id:217862 Bacillus thuringiensis serovar wratislaviensis str. IEBC-T47 001
Y13064.1 gg_id:79671 Bacillus circulans str. WSBC20060
EU366376.1 gg_id:267887 Bacillus cereus str. IV6
GQ501070.1 gg_id:593353 Bacillus cereus str. Ma-Su CECRI 1
EU363701.1 gg_id:261759 Bacillus sp. str. 1.046
EF178440.1 gg_id:186509 Bacillus cereus str. 1Re107
GQ284562.1 gg_id:565261 Bacillus thuringiensis str. AR1.5
GQ901067.1 gg_id:519806 Bacillus cereus str. BBD-217-1a
EF025328.1 gg_id:174759 Bacillus cereus str. SRIP1
EU660318.1 gg_id:292935 Bacillus cereus str. CM24
DQ314534.1 gg_id:149265 Bacillus sp. str. BWDY-6
EU554439.1 gg_id:272450 Bacillus thuringiensis str. Ag13
EU177581.1 gg_id:255892 Bacillus thuringiensis str. NC-4
GQ342295.1 gg_id:537531 Bacillus cereus str. CG-T2
EU652057.1 gg_id:274802 Bacillus pumilus str. me-4
NZ_ABDA01000059.1 gg_id:269026 Bacillus cereus str. AH1134
EU168409.1 gg_id:259245 Bacillus cereus str. IBL01065
GU322908.1 gg_id:523894 Bacillus sp. str. YC6957
EU586323.1 gg_id:261628 Bacillus cereus str. E*34
EF210292.1 gg_id:224469 Bacillus thuringiensis serovar finitimus str. IEBC-T02 001
Z84581.1 gg_id:14935 Bacillus cereus str. ATCC 27877
EU240956.1 gg_id:272678 Bacillus thuringiensis str. DW-1T
FJ040807.1 gg_id:563837 Bacillus cereus str. HB59
FJ601907.1 gg_id:525230 Bacillus thuringiensis str. INRS11
EF210305.1 gg_id:219890 Bacillus thuringiensis serovar poloniensis str. IEBC-T54 001
AY968700.1 gg_id:115305 Bacillus cereus str. SYPA3-2
DQ105975.1 gg_id:137951 Bacillus anthracis str. B1
FJ686826.1 gg_id:538865 Bacillus cereus str. NB4
AY382191.1 gg_id:97534 Bacillus sp. str. R-6930
EF694696.1 gg_id:253079 Bacillus cereus B11-11
AE017194.1 gg_id:147956 Bacillus cereus str. ATCC 10987
EU915686.1 gg_id:306944 Bacillus cereus str. HY-1
EF035137.1 gg_id:195889 Bacillus cereus str. MT5-5
EF063149.1 gg_id:178210 Bacillus thuringiensis str. SRDD
EF440289.1 gg_id:204295 Bacillus cereus str. 6.1.1.B
AY795568.1 gg_id:108985 Bacillus cereus str. ATCC 25621; NCIMB 10437
AY279191.1 gg_id:87400 Bacillus cereus str. KNUC55
EF528295.1 gg_id:225627 Bacillus cereus str. CICCHLJ Q93
CP000001.1 gg_id:128980 Bacillus cereus str. E33L
EF495116.1 gg_id:268827 Bacillus thuringiensis str. 19198

FM179766.1	319159	6627.2	7677.1	4843.8	7715.6	9163.6	8768.2
EF210311.1	217862	2625.7	3621.9	3436.9	2824.4	7586.0	7332.7
Y13064.1	79671	757.6	770.1	248.9	144.2	126.5	376.3
EU366376.1	267887	2709.0	6290.6	1617.0	2194.5	8793.0	3999.3
GQ501070.1	593353	5695.2	7599.1	8001.6	8232.4	6820.5	7739.4
EU363701.1	261759	632.2	1812.0	3301.1	815.7	739.0	2902.2
EF178440.1	186509	132.0	616.3	534.9	193.6	85.4	1706.2
GQ284562.1	565261	1979.0	1863.2	1122.4	3367.9	238.5	1156.1
GQ901067.1	519806	75.7	269.1	713.6	177.2	108.8	1176.5
EF025328.1	174759	978.8	1070.0	997.6	710.0	223.3	3132.2
EU660318.1	292935	149.7	622.8	1090.4	445.7	142.6	2231.8
DQ314534.1	149265	1849.5	1009.9	3826.1	2117.3	2977.7	3989.7
EU554439.1	272450	2216.0	3789.4	7897.6	3978.6	9762.9	11805.7
EU177581.1	255892	69.8	184.7	530.3	169.8	79.7	1163.4
GQ342295.1	537531	59.4	132.5	310.2	119.8	86.2	151.5
EU652057.1	274802	10372.9	10239.8	7853.6	6078.5	8102.5	9863.7
NZ_ABDA01000059.1	269026	159.0	2922.0	2046.3	2851.6	2676.2	4227.1
EU168409.1	259245	646.2	570.9	1079.5	328.7	699.0	1321.8
GU322908.1	523894	312.9	374.9	819.1	454.0	159.2	1134.8
EU586323.1	261628	10094.8	10289.0	9346.5	9663.5	18419.9	13966.6
EF210292.1	224469	8081.9	9475.8	9487.0	6848.0	5775.3	6564.8
Z84581.1	14935	914.5	1733.4	2267.9	2168.3	6346.1	4641.9
EU240956.1	272678	129.2	164.1	268.1	106.0	80.7	555.1
FJ040807.1	563837	54.0	101.6	136.5	68.1	67.5	152.2
FJ601907.1	525230	2588.1	3397.8	4438.7	3650.4	11184.2	8289.2
EF210305.1	219890	117.1	413.1	685.8	208.8	92.3	2094.4
AY968700.1	115305	64.9	182.2	230.8	87.0	69.4	469.6
DQ105975.1	137951	6522.1	6927.5	5967.1	8829.5	9483.3	12065.4
FJ686826.1	538865	77.3	299.3	838.8	341.9	115.0	1318.1
AY382191.1	97534	1739.1	1652.3	1041.7	2572.6	3175.7	1168.9
EF694696.1	253079	519.3	740.7	463.2	368.8	640.3	1071.8
AE017194.1	147956	90.3	302.1	649.4	227.1	106.2	1191.4
EU915686.1	306944	154.5	564.0	483.6	234.6	103.7	1657.4
EF035137.1	195889	1406.8	3080.7	1955.0	1893.1	2223.8	2683.3
EF063149.1	178210	13363.1	10400.6	12050.0	12163.7	14957.7	15063.9
EF440289.1	204295	113.7	169.9	352.6	132.4	90.4	1205.2
AY795568.1	108985	1390.4	2347.9	3535.2	2547.4	5713.6	5935.5
AY279191.1	87400	6715.4	4881.3	4257.5	6367.4	7539.1	7693.8
EF528295.1	225627	342.9	749.4	1019.8	445.3	366.8	2296.2
CP000001.1	128980	501.5	967.7	1306.1	300.2	119.2	2437.6
EF495116.1	268827	630.1	1268.7	886.1	577.1	609.5	2880.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	44000
s__unclassified	44001
s__unclassified	44002
s__unclassified	44006
s__unclassified	44013
s__unclassified	44014
s__unclassified	44022
s__unclassified	44023
s__unclassified	44024
s__unclassified	44025
s__unclassified	44026
s__unclassified	44034
s__unclassified	44035
s__unclassified	44036
s__unclassified	44037
s__unclassified	44039
s__unclassified	44045
s__unclassified	44050
s__unclassified	44052
s__unclassified	44054
s__unclassified	44064
s__unclassified	44068
s__unclassified	44069
s__unclassified	44073
s__unclassified	44074
s__unclassified	44075
s__unclassified	44076
s__unclassified	44078
s__unclassified	44082
s__unclassified	44091
s__unclassified	44095
s__unclassified	44096
s__unclassified	44099
s__unclassified	44112
s__unclassified	44116
s__unclassified	44117
s__unclassified	44120
s__unclassified	44122
s__unclassified	44123
s__unclassified	44127
s__unclassified	44133

AB362832.1 gg_id:238116 Bacillus sp. str. YT0315
EF432658.1 gg_id:207847 Bacillus thuringiensis str. xjul-8
AJ535639.1 gg_id:76722 Bacillus ruris str. R-6760 = LMG 22866
FJ435220.1 gg_id:364047 Bacillus cereus str. 5
NC_008600.1 gg_id:191302 Bacillus thuringiensis str. Al Hakam
AJ577282.1 gg_id:88453 Bacillus cereus str. RIVM BC00067
EU874878.1 gg_id:338180 Bacillus cereus W77
FJ393296.1 gg_id:364850 Bacillus cereus str. TCCC11197
GQ199759.1 gg_id:593828 Bacillus sp. str. 210_57
NZ_ABDI01000027.1 gg_id:263069 Bacillus cereus str. B4264
EU240374.1 gg_id:238262 Bacillus cereus str. B79
EU240370.1 gg_id:248317 Bacillus thuringiensis str. B75
DQ286343.1 gg_id:143417 Bacillus thuringiensis
DQ870690.1 gg_id:223264 Bacillus cereus str. KSC_SF6e
GQ280107.1 gg_id:587574 Bacillus sp. str. JS-37
FJ601900.1 gg_id:521148 Bacillus thuringiensis str. INRS4
NZ_ABJC01000055.1 gg_id:267636 Bacillus anthracis str. A0488
EU915688.1 gg_id:337668 Bacillus cereus str. HY-4
DQ372919.1 gg_id:155890 Bacillus cereus str. HCY01
EU221418.1 gg_id:255848 Bacillus mycoides str. L2S8
FJ966073.1 gg_id:541451 Brevibacillus brevis str. CQUBb
GU186119.1 gg_id:560177 Bacillus cereus str. IHB B 1380
EU624443.1 gg_id:279883 Bacillus cereus str. SS-04
DQ104989.1 gg_id:136735 Bacillus cereus str. JS 18
EF428239.2 gg_id:221830 Bacillus cereus str. HDYM-09
AB020194.1 gg_id:49517 Bacillus sp. str. TGS337
DQ125836.1 gg_id:129649 uranium contaminated soil clone AKAU4062
GU011949.1 gg_id:580873 Bacillus cereus str. NBST4
EF173327.1 gg_id:189594 Bacillus cereus MKI13
FJ393301.1 gg_id:368881 Bacillus cereus str. TCCC11289
EU794727.1 gg_id:345174 Bacillus cereus str. FM-4
FJ644694.1 gg_id:537182 Bacillus weihenstephanensis str. MX13
FJ601904.1 gg_id:518441 Bacillus thuringiensis str. INRS8
FJ393312.1 gg_id:369175 Bacillus cereus str. TCCC11331
EU169144.1 gg_id:249918 Bacillus weihenstephanensis str. B27
FM178868.1 gg_id:331746 Acetobacter pasteurianus str. CCM 3614
EU435384.1 gg_id:262184 Bacillus thuringiensis str. AAJ17
GQ226038.1 gg_id:592770 Bacillus cereus str. S1
FJ263046.1 gg_id:369371 Bacillus cereus str. ZD19
EU118117.1 gg_id:238591 Bacillus cereus
EF126181.1 gg_id:186107 Bacillus cereus str. HCY02

AB362832.1	238116	571.6	902.5	334.2	211.9	400.1	509.4
EF432658.1	207847	65.4	159.3	218.1	82.5	66.8	337.0
AJ535639.1	76722	371.9	494.0	951.6	544.1	151.6	645.4
FJ435220.1	364047	145.5	155.8	162.7	225.8	77.3	530.4
NC_008600.1	191302	294.8	500.2	791.8	247.7	100.6	1911.3
AJ577282.1	88453	108.1	371.7	682.3	199.6	126.1	1031.0
EU874878.1	338180	2293.3	2270.4	2672.9	3008.6	1958.1	2337.5
FJ393296.1	364850	4498.1	7233.8	5034.8	6537.8	7283.0	8712.6
GQ199759.1	593828	7033.0	8189.6	9992.4	6222.3	7541.9	7113.4
NZ_ABDI01000027.1	263069	407.1	377.1	963.0	318.5	360.1	1409.5
EU240374.1	238262	127.6	265.9	852.5	186.0	88.8	796.1
EU240370.1	248317	674.5	758.9	1364.2	216.7	95.6	1592.7
DQ286343.1	143417	216.8	229.4	845.3	171.5	249.1	796.3
DQ870690.1	223264	74.6	231.1	387.7	150.9	88.0	1157.2
GQ280107.1	587574	10123.5	10423.3	14400.5	8706.4	13265.7	13904.8
FJ601900.1	521148	310.1	372.3	1021.5	266.2	161.0	1262.1
NZ_ABJC01000055.1	267636	1954.7	2112.2	5449.8	2839.9	903.5	1579.7
EU915688.1	337668	148.0	508.5	431.0	202.9	114.0	1563.9
DQ372919.1	155890	203.8	387.8	738.6	212.6	81.1	1517.6
EU221418.1	255848	98.0	258.0	612.7	166.5	69.0	1876.1
FJ966073.1	541451	3779.8	3873.0	5405.4	3057.3	3165.8	6110.0
GU186119.1	560177	104.8	458.7	410.3	187.5	69.4	1381.8
EU624443.1	279883	128.5	428.6	953.1	434.5	113.8	2078.4
DQ104989.1	136735	9250.5	9174.3	7164.0	10194.3	14601.4	13940.0
EF428239.2	221830	10224.5	10572.0	5556.3	10274.3	14436.1	11940.6
AB020194.1	49517	2872.4	1975.5	1437.2	1521.0	1841.9	3726.3
DQ125836.1	129649	251.7	703.6	1352.2	255.1	91.6	3953.1
GU011949.1	580873	2360.9	3501.1	2779.0	1521.6	3708.4	5547.5
EF173327.1	189594	197.2	751.2	383.2	273.6	123.5	1991.7
FJ393301.1	368881	287.3	791.1	905.8	348.3	118.8	2184.6
EU794727.1	345174	222.4	337.6	737.7	247.7	103.7	1872.4
FJ644694.1	537182	158.5	379.6	946.6	229.1	101.0	1068.2
FJ601904.1	518441	1843.8	2259.2	1127.5	2585.3	2631.8	4276.2
FJ393312.1	369175	216.1	657.0	1725.8	650.8	432.0	2943.1
EU169144.1	249918	8121.1	7724.5	6334.6	5675.8	7465.6	7578.2
FM178868.1	331746	3689.6	4031.2	1546.4	2257.9	2240.0	3746.1
EU435384.1	262184	134.5	522.4	1056.8	281.3	108.0	2527.6
GQ226038.1	592770	14679.7	11912.2	12922.1	12914.1	13338.1	12399.4
FJ263046.1	369371	199.0	272.2	648.7	200.4	98.3	1483.4
EU118117.1	238591	152.3	522.0	888.6	269.4	124.6	2523.5
EF126181.1	186107	138.4	206.2	514.1	141.1	72.2	973.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	44136
s__unclassified	44137
s__unclassified	44142
s__unclassified	44146
s__unclassified	45904
s__unclassified	45916
s__unclassified	45917
s__unclassified	45929
s__unclassified	45932
s__unclassified	45935
s__unclassified	45937
s__unclassified	45947
s__unclassified	45950
s__unclassified	45956
s__unclassified	45989
s__unclassified	45990
s__unclassified	45992
s__unclassified	46005
s__unclassified	46027
s__unclassified	46041
s__unclassified	46042
s__unclassified	46047
s__unclassified	46057
s__unclassified	46059
s__unclassified	46060
s__unclassified	46096
s__unclassified	46100
s__unclassified	46103
s__unclassified	46128
s__unclassified	46131
s__unclassified	46149
s__unclassified	46153
s__unclassified	46159
s__unclassified	46165
s__unclassified	46188
s__unclassified	46192
s__unclassified	46196
s__unclassified	46203
s__unclassified	46212
s__unclassified	46220
s__unclassified	46230

EF210315.1 gg_id:225809 Bacillus thuringiensis serovar kenyae str. IEBC-T04B001
DQ645483.1 gg_id:160835 Bacillus cereus str. P8
EU366375.1 gg_id:261809 Bacillus thuringiensis str. IV5
AY986507.1 gg_id:115342 Bacillus cereus
GQ221247.1 gg_id:545666 Bacillus megaterium str. SRKP3
D78478.1 gg_id:14678 Bacillus simplex str. DSM1321
DQ129514.1 gg_id:137896 microarray level air two cities Texas urban aerosol clone AKIW574
DQ129292.1 gg_id:137597 urban aerosol clone AKIW922
EU221347.1 gg_id:236810 Bacillus soli str. AM1C1
DQ365564.1 gg_id:150246 Bacillus megaterium str. GH09
GU306176.1 gg_id:550447 Bacillus subtilis str. SIV02
FJ373030.1 gg_id:350988 Bacillus selenatarsenatis str. S3-3
FJ665200.1 gg_id:559213 Study Prokarytic Selected Niches Western Ghats India ground swab mangrove forest
AJ781029.2 gg_id:109258 Bacillus herbersteinii str. D-15a
GQ284379.1 gg_id:588475 Bacillus sp. str. PCWCS14
GU397390.1 gg_id:528465 Bacillus jeotgali str. B36
AM930284.1 gg_id:542223 gradual cooling stage mass and its spatial composting clone SMG26
DQ129523.1 gg_id:137611 urban aerosol clone AKIW936
FM180514.1 gg_id:311881 Bacillus sp. ZZ-2208 str. A10
GQ129974.1 gg_id:405643 Genetic inventory 'JPL-SAF' during MSL mission spacecraft assembly clean room floc
AM888179.1 gg_id:256974 Bacillus sp. str. TSWCSN16
GQ918255.1 gg_id:563322 Bacillus aestuarii str. JP1
EU660355.1 gg_id:295089 Bacillus horikoshii str. CT1
GQ980238.1 gg_id:559130 Bacillus humi str. NBK2
AF221061.1 gg_id:28181 Bacillus jeotgali str. YKJ-10
DQ448759.1 gg_id:157767 Bacillus sp. str. CNJ748 PL04
EU221357.1 gg_id:248557 Bacillus simplex str. J2S3
AB245380.1 gg_id:145947 Bacillus panaciterrae str. Gsoil 1517
EU623596.1 gg_id:292837 Bacillus pumilus str. B-15
AM084896.1 gg_id:139148 airborne fungal spores boreal forests contrasting human disturbance soil uranium m
EU723827.1 gg_id:343771 Bacillus megaterium str. HDDMM05
GQ855295.1 gg_id:557777 Bacillus shandongensis str. YH221
AB190040.2 gg_id:156768 Bacillus megaterium str. N-18-25-9
GQ889251.1 gg_id:551677 Bacillus megaterium str. S13
AJ550460.1 gg_id:83070 Bacillus horikoshii
AB486733.1 gg_id:550115 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCORC
FJ527649.1 gg_id:554625 Bacillus megaterium str. rif200888
DQ298329.1 gg_id:152305 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
AJ491841.1 gg_id:78046 Bacillus megaterium str. C1
GQ352418.1 gg_id:541893 Bacillus sp. str. SP14.3O1
AY030336.1 gg_id:33074 Bacillus megaterium str. KL-181

EF210315.1	225809	4893.2	6608.1	7272.5	7557.5	7870.0	7212.9
DQ645483.1	160835	231.1	443.0	749.8	236.3	82.5	1644.9
EU366375.1	261809	2578.4	2546.9	3003.8	4327.7	452.7	945.2
AY986507.1	115342	151.9	225.6	526.1	139.5	73.5	907.7
GQ221247.1	545666	6760.0	6456.5	2241.6	4071.7	6292.3	4826.2
D78478.1	14678	2454.9	3191.9	2402.7	1631.6	4611.4	6103.5
DQ129514.1	137896	1301.5	978.5	1300.5	814.0	437.7	906.4
DQ129292.1	137597	1274.5	2059.3	2619.8	1838.0	5120.4	4460.8
EU221347.1	236810	6738.7	6730.3	2645.5	2302.6	2775.2	2695.8
DQ365564.1	150246	381.9	433.3	551.4	232.7	202.8	747.5
GU306176.1	550447	976.9	976.1	1237.4	745.7	600.4	1157.4
FJ373030.1	350988	753.2	998.3	757.6	520.9	464.0	2294.5
FJ665200.1	559213	1400.6	1604.6	2669.7	1109.7	6751.5	4676.0
AJ781029.2	109258	587.3	450.5	509.2	338.6	186.2	866.0
GQ284379.1	588475	3781.3	4814.2	4279.0	4946.5	7705.4	6853.3
GU397390.1	528465	259.6	267.8	427.8	536.9	356.6	393.7
AM930284.1	542223	54.9	75.6	111.7	81.6	116.7	163.4
DQ129523.1	137611	1007.3	1181.6	176.3	687.5	1262.8	602.3
FM180514.1	311881	1071.6	2691.8	1039.9	829.1	2199.8	4512.0
GQ129974.1	405643	1602.3	2247.8	1840.2	1897.1	4387.6	4429.6
AM888179.1	256974	684.3	607.5	1253.5	467.8	407.0	1260.9
GQ918255.1	563322	1604.2	1865.9	1093.5	598.0	147.1	1525.4
EU660355.1	295089	342.4	375.6	734.8	192.9	263.0	1386.7
GQ980238.1	559130	2446.6	3868.9	3165.3	3281.5	7891.1	6512.8
AF221061.1	28181	923.5	1279.6	1451.7	479.0	204.2	4956.8
DQ448759.1	157767	1091.4	1413.1	2009.4	1729.6	580.0	3900.9
EU221357.1	248557	10432.6	8502.6	8618.7	8799.2	11969.5	9067.8
AB245380.1	145947	2960.9	1985.2	2566.6	1404.8	563.7	828.9
EU623596.1	292837	1920.1	1230.6	3214.6	3862.3	230.5	684.3
AM084896.1	139148	217.2	218.6	1117.1	155.9	524.0	1301.6
EU723827.1	343771	2648.6	2150.7	3391.4	5399.6	2724.5	6099.6
GQ855295.1	557777	1292.4	2203.5	4961.4	1646.9	4572.3	2702.4
AB190040.2	156768	6796.5	6309.2	4162.3	5130.2	8234.9	6834.7
GQ889251.1	551677	153.3	271.9	682.4	203.4	158.4	916.3
AJ550460.1	83070	392.0	729.8	1537.9	398.7	434.1	1083.0
AB486733.1	550115	654.6	994.3	1881.5	627.7	565.0	1416.2
FJ527649.1	554625	5304.6	4453.3	1897.0	5724.4	11070.7	7822.8
DQ298329.1	152305	6883.0	7045.8	2427.0	4903.9	5225.8	6278.0
AJ491841.1	78046	2700.0	2589.5	2487.8	1676.1	3332.3	2972.1
GQ352418.1	541893	170.8	197.1	850.4	216.4	95.6	2970.6
AY030336.1	33074	6277.1	7106.2	5685.3	8033.9	7362.9	7779.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	46255
s__unclassified	46261
s__unclassified	46268
s__unclassified	46274
s__unclassified	46275
s__unclassified	46282
s__unclassified	46303
s__unclassified	46315
s__unclassified	46319
s__unclassified	46331
s__unclassified	46335
s__unclassified	46373
s__unclassified	46385
s__unclassified	46388
s__unclassified	46397
s__unclassified	46400
s__unclassified	46422
s__unclassified	46433
s__unclassified	46436
s__unclassified	46437
s__unclassified	46445
s__unclassified	46482
s__unclassified	46483
s__unclassified	46485
s__unclassified	46491
s__unclassified	46503
s__unclassified	46525
s__unclassified	46530
s__unclassified	46534
s__unclassified	46555
s__unclassified	46557
s__unclassified	46573
s__unclassified	46582
s__unclassified	46591
s__unclassified	46594
s__unclassified	46597
s__unclassified	46609
s__unclassified	46620
s__unclassified	46642
s__unclassified	46643
s__unclassified	46649

EF682899.1 gg_id:246080 Eastern Mediterranean atmosphere clone F12_3C_FL
FJ544336.1 gg_id:432939 Bacillus mycoides str. 820
EU660323.1 gg_id:298903 Bacillus subtilis str. CM8
FM180507.1 gg_id:346953 Bacillus megaterium str. A3
GQ284398.1 gg_id:586246 Bacillus megaterium str. TSWCS6
GQ355276.1 gg_id:576569 Bacillus sp. str. DL006
AJ000981.2 gg_id:14641 soil clone DA036
FJ544338.1 gg_id:457472 Bacillus boroniphilus str. 822
EF113321.1 gg_id:187551 Bacillus halmapalus LB 16
AY493966.1 gg_id:136840 Fingerprinting aggregates soil clone 1469
FJ009399.1 gg_id:303812 Bacillus megaterium str. F6
FJ435229.1 gg_id:368409 Bacillus pumilus str. 18
AJ853532.1 gg_id:111121 landfill leachate clone GZKB38
AB488269.1 gg_id:541821 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0
FJ713099.1 gg_id:566717 Bacillus sp. str. EBL3-7
FJ527635.1 gg_id:553940 Bacillus megaterium str. rif200805
AF423304.1 gg_id:136610 oligonucleotide fingerprinting genes soil clone 48-1
AM292611.1 gg_id:165187 Influence uranyl and sodium nitrate on natural soil uranium mining waste pile clone
X64465.1 gg_id:14575 Bacillus methanolicus str. C1
EU182894.1 gg_id:248222 Bacillus sp. str. MH66
AY642542.1 gg_id:151003 and carbonate precipitation giant microbialites ly alkaline Lake Van Turkey microbiali
FJ435233.1 gg_id:368404 Bacillus subtilis str. 24
EF612335.1 gg_id:248729 Bacillus sp. str. OS-03
AY167803.1 gg_id:77353 Bacillus megaterium str. SAFN-040
GQ866974.1 gg_id:542801 Bacillus megaterium str. Bm-10 sludge
AY167809.1 gg_id:77431 Bacillus niacini str. SAFN-021
EU621912.1 gg_id:279144 Bacillus sp. str. CCBAU 10711
EU240385.1 gg_id:257603 Bacillus mycoides str. B96
EU221410.1 gg_id:257133 Bacillus megaterium str. A2P4
EF513609.1 gg_id:224098 Bacillus megaterium str. E38
EU817577.1 gg_id:326762 Colonization overlaying water dry sediments river sediment clone MUL-09
AY373358.1 gg_id:95154 Bacillus megaterium str. c5
EU194337.1 gg_id:248142 Bacillus megaterium str. XJUHX-40
EU257442.1 gg_id:242832 Bacillus subtilis C6-3
DQ129455.1 gg_id:138279 microarray level air two cities Texas urban aerosol clone AKIW1087
AJ315063.1 gg_id:73206 Bacillus sp. LMG 19495
AJ132749.1 gg_id:14644 Bacillus sp. IDA629
AY422985.1 gg_id:98079 Bacillus sp. str. R-7413
AJ236893.1 gg_id:14638 Bacillus sp. IDA624
EU249555.1 gg_id:243238 Bacillus asahii str. TSC12
GQ980243.1 gg_id:540654 Bacillus aestuarii str. NBK30

EF682899.1	246080	3040.5	3339.9	3547.0	3057.8	2091.8	3477.5
FJ544336.1	432939	210.5	290.2	840.6	161.6	86.6	242.7
EU660323.1	298903	5296.9	4153.9	3014.7	3902.2	2806.3	5616.3
FM180507.1	346953	5931.5	3542.6	1315.9	5703.9	5503.1	5034.8
GQ284398.1	586246	1511.7	2848.3	750.7	565.1	3728.9	2379.3
GQ355276.1	576569	39.1	67.0	134.3	109.9	62.6	1081.8
AJ000981.2	14641	522.2	894.8	978.8	690.6	656.9	724.9
FJ544338.1	457472	1092.4	1387.1	784.0	658.6	816.5	896.1
EF113321.1	187551	3745.9	3746.1	1378.6	4548.5	3155.6	4257.9
AY493966.1	136840	1223.1	1342.1	1826.8	1044.5	417.6	1746.8
FJ009399.1	303812	33.6	123.6	116.2	72.7	59.2	312.2
FJ435229.1	368409	84.6	186.1	94.7	119.2	105.8	181.1
AJ853532.1	111121	3512.0	2735.1	1837.2	1655.1	3996.7	2375.8
AB488269.1	541821	4975.0	5521.7	4095.4	2513.1	1261.7	3557.3
FJ713099.1	566717	786.3	670.7	1391.6	779.3	123.7	1644.5
FJ527635.1	553940	4102.3	3785.3	1630.6	5022.8	6218.7	5526.2
AF423304.1	136610	2296.8	2639.9	4579.1	888.5	2554.0	2305.7
AM292611.1	165187	5327.6	4993.1	4929.8	3902.7	1886.6	5439.6
X64465.1	14575	179.1	302.4	461.0	377.0	194.2	4044.9
EU182894.1	248222	42.5	116.6	61.0	87.4	83.1	1206.2
AY642542.1	151003	1239.0	1443.4	1445.2	1963.5	726.3	2568.9
FJ435233.1	368404	1080.7	1581.3	3297.9	1414.0	882.8	2354.6
EF612335.1	248729	2329.8	3880.6	3250.7	917.4	843.8	3600.3
AY167803.1	77353	245.3	265.8	390.7	111.6	65.9	243.9
GQ866974.1	542801	352.0	1044.8	2173.2	692.4	317.1	893.8
AY167809.1	77431	2168.3	2459.0	1276.0	1838.3	1447.5	1931.9
EU621912.1	279144	221.9	424.6	320.7	184.8	191.9	1336.0
EU240385.1	257603	5287.8	4642.0	3941.6	5723.9	8130.4	10518.8
EU221410.1	257133	116.6	152.1	349.0	157.2	131.0	494.1
EF513609.1	224098	11871.4	8960.2	4271.5	8713.2	10701.3	9858.1
EU817577.1	326762	776.1	950.5	2396.6	865.6	264.2	1916.7
AY373358.1	95154	698.5	806.5	918.2	378.5	258.3	1333.1
EU194337.1	248142	103.9	300.1	175.7	151.4	80.6	687.7
EU257442.1	242832	1305.8	1377.3	1480.1	874.2	561.5	1853.3
DQ129455.1	138279	452.8	583.9	521.8	832.2	1222.8	1183.7
AJ315063.1	73206	3478.9	1885.5	2770.7	4937.1	1527.9	2671.7
AJ132749.1	14644	5904.9	4287.1	5414.6	7167.7	3248.5	5557.2
AY422985.1	98079	2095.6	2595.1	2921.8	2465.8	572.0	1270.4
AJ236893.1	14638	807.5	960.4	678.1	1129.7	1606.5	1400.8
EU249555.1	243238	83.7	130.4	340.1	190.7	55.9	1724.0
GQ980243.1	540654	4088.8	4618.7	4558.9	4645.6	5282.6	4242.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	46660
s__unclassified	46685
s__unclassified	46686
s__unclassified	46696
s__unclassified	46727
s__unclassified	46741
s__unclassified	46754
s__unclassified	46767
s__unclassified	46777
s__unclassified	46780
s__unclassified	46781
s__unclassified	46797
s__unclassified	46798
s__unclassified	46837
s__unclassified	46839
s__unclassified	46841
s__unclassified	46850
s__unclassified	46855
s__unclassified	46863
s__unclassified	46866
s__unclassified	46877
s__unclassified	46892
s__unclassified	46900
s__unclassified	46918
s__unclassified	46919
s__unclassified	46935
s__unclassified	46982
s__unclassified	46983
s__unclassified	46984
s__unclassified	47010
s__unclassified	47011
s__unclassified	47015
s__unclassified	47031
s__unclassified	47032
s__unclassified	47047
s__unclassified	47050
s__unclassified	47078
s__unclassified	47096
s__unclassified	47118
s__unclassified	47127
s__unclassified	47138

AF286486.1 gg_id:22928 Bacillus sp. str. VAN35
AJ000982.2 gg_id:14642 soil clone DA066
Y07578.2 gg_id:14652 Drentse grassland soil clone DA115
EF682901.1 gg_id:257174 Eastern Mediterranean atmosphere clone F14_9G_FL
DQ084539.1 gg_id:130986 Bacillus sp. GD0705
EU427313.1 gg_id:265143 Bacillus drentensis str. MD
DQ129495.1 gg_id:137772 microarray level air two cities Texas urban aerosol clone AKIW838
GU125638.1 gg_id:550049 Bacillus megaterium str. IMAU80222
EU977669.1 gg_id:575144 Bacillus sp. str. 2P03AE
DQ079002.1 gg_id:157632 Bacillus sp. str. GB02-29
DQ870699.1 gg_id:221727 Bacillus drentensis str. KSC_SF1a
EU244583.1 gg_id:246332 Bacillus megaterium str. 39
AB043862.1 gg_id:31425 Bacillus sp. str. KX6
FJ897776.1 gg_id:554312 Bacillus sp. str. BH85161
FJ006895.1 gg_id:344390 Bacillus sp. str. WPCB111
AY559426.1 gg_id:100562 hot spring water clone LS8
EU373355.1 gg_id:271561 Bacillus megaterium str. HNL16
DQ448750.1 gg_id:158948 Bacillus sp. str. CNJ816 PL04
DQ129515.1 gg_id:183042 microarray level air two cities Texas urban aerosol clone AKIW688
FJ944655.1 gg_id:560057 Bacillus megaterium str. KUDC1033
DQ448748.1 gg_id:158675 Bacillus sp. str. CNJ826 PL04
GQ923779.1 gg_id:592545 Bacillus megaterium str. ZJUZQ001
AB240208.1 gg_id:142429 Bacillus acidicola str. T9
EU124558.1 gg_id:238032 Bacillus sp. str. OSS 19
FJ393314.1 gg_id:356703 Bacillus megaterium str. TCCC11353
EF451042.1 gg_id:211366 Bacillus aeris str. HIO-9
EU652093.1 gg_id:276320 Bacillus megaterium str. ra-10
GQ903460.1 gg_id:533975 Halobacillus sp. str. XJSL9-1
EF428245.2 gg_id:227217 Bacillus megaterium str. HDYM-21
GU395997.1 gg_id:523931 Bacillus flexus str. NT
EF688339.1 gg_id:236657 soil clone F1-249
DQ129478.1 gg_id:137976 microarray level air two cities Texas urban aerosol clone AKIW717
EU834243.1 gg_id:322164 Bacillus subtilis str. DS13
EU867376.1 gg_id:578786 Bacillus herbersteinensis str. CCGE2319
EU660347.1 gg_id:295408 Bacillus boroniphilus str. CM25
AF218239.1 gg_id:111679 Bacillus sp
AF227833.1 gg_id:49305 str. 31284
AB331453.1 gg_id:241651 dynamics changes physicochemical parameters during aerobic treatment aerated pi
AF423288.1 gg_id:52810 soil clone 720-1
AF423299.1 gg_id:24269 soil clone 911-1
FJ897758.1 gg_id:574270 Bacillus firmus str. RKS161

AF286486.1	22928	7634.6	8393.2	8701.6	7035.7	10635.6	10245.7
AJ000982.2	14642	6658.6	7578.6	3694.1	4334.6	4403.0	5695.4
Y07578.2	14652	2165.5	1827.9	1992.3	3920.5	2821.2	4277.7
EF682901.1	257174	3287.6	5099.3	2719.8	2512.8	2773.0	4659.9
DQ084539.1	130986	340.7	341.5	640.3	394.1	339.4	697.9
EU427313.1	265143	492.2	604.2	976.6	625.5	269.5	1076.4
DQ129495.1	137772	2006.7	3833.2	3259.5	2627.2	3005.0	5226.1
GU125638.1	550049	430.0	381.9	1034.4	1476.7	563.2	727.1
EU977669.1	575144	1409.5	1175.7	1710.9	981.5	765.2	1933.3
DQ079002.1	157632	915.1	937.1	182.1	134.5	204.3	331.5
DQ870699.1	221727	28.2	55.7	36.6	51.1	56.4	11.4
EU244583.1	246332	6802.0	5586.4	2491.0	7793.4	10483.2	8262.4
AB043862.1	31425	89.8	144.7	179.3	117.8	89.0	512.9
FJ897776.1	554312	228.9	362.0	416.8	344.0	247.4	1490.4
FJ006895.1	344390	1203.4	1248.3	2939.5	842.8	3006.8	3971.9
AY559426.1	100562	1828.7	2065.8	1181.2	1400.3	2698.7	2713.9
EU373355.1	271561	1020.3	495.3	788.9	1061.5	588.4	1239.2
DQ448750.1	158948	2489.1	2682.9	1703.4	2892.6	357.4	1744.4
DQ129515.1	183042	1318.3	1749.0	1084.7	1778.1	357.5	2170.6
FJ944655.1	560057	928.3	1087.2	1608.9	758.8	549.0	1933.3
DQ448748.1	158675	3187.3	3425.4	3904.9	3656.8	1441.0	4079.2
GQ923779.1	592545	344.0	424.3	410.8	169.4	150.2	921.0
AB240208.1	142429	1963.8	2025.7	2136.3	2218.0	4084.3	2909.8
EU124558.1	238032	622.0	825.2	344.5	409.5	98.5	1044.9
FJ393314.1	356703	470.0	958.6	1500.3	792.6	3616.8	4506.4
EF451042.1	211366	3850.9	2472.2	4164.2	4805.9	1852.3	4384.5
EU652093.1	276320	1179.0	1308.9	1390.2	848.2	548.4	1591.8
GQ903460.1	533975	296.5	632.9	509.0	188.7	93.0	901.4
EF428245.2	227217	1675.4	2487.1	768.1	1240.7	3415.3	2393.4
GU395997.1	523931	809.6	897.3	2107.3	611.1	814.9	2135.3
EF688339.1	236657	3105.3	3565.1	1670.5	5016.4	5684.4	4497.9
DQ129478.1	137976	90.3	180.5	234.9	177.2	89.7	571.0
EU834243.1	322164	1248.6	1238.0	1212.3	699.1	576.4	1531.4
EU867376.1	578786	315.9	515.3	199.2	446.1	142.2	755.6
EU660347.1	295408	1547.8	1832.4	2543.2	1491.5	306.2	1950.5
AF218239.1	111679	802.7	675.7	528.6	335.8	315.3	997.8
AF227833.1	49305	147.7	269.1	340.9	207.6	93.7	1110.4
AB331453.1	241651	2165.4	2558.3	2183.0	1184.8	1490.7	2321.0
AF423288.1	52810	1792.5	2213.0	3561.8	1628.3	3414.7	3358.5
AF423299.1	24269	5855.0	4957.4	3453.9	6218.4	1659.4	5035.4
FJ897758.1	574270	7377.1	7584.7	3133.5	5639.9	5082.5	5522.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	47148
s__unclassified	47150
s__unclassified	47159
s__unclassified	47160
s__unclassified	47161
s__unclassified	47174
s__unclassified	47214
s__unclassified	47220
s__unclassified	47227
s__unclassified	47229
s__unclassified	47230
s__unclassified	47236
s__unclassified	47247
s__unclassified	47259
s__unclassified	47260
s__unclassified	47273
s__unclassified	47277
s__unclassified	47281
s__unclassified	47287
s__unclassified	47295
s__unclassified	47299
s__unclassified	47304
s__unclassified	47326
s__unclassified	47343
s__unclassified	47346
s__unclassified	47373
s__unclassified	47375
s__unclassified	47381
s__unclassified	47399
s__unclassified	47406
s__unclassified	47407
s__unclassified	47408
s__unclassified	47409
s__unclassified	47422
s__unclassified	47432
s__unclassified	47433
s__unclassified	47442
s__unclassified	47451
s__unclassified	47452
s__unclassified	47458
s__unclassified	47466

EF612340.1 gg_id:238908 Bacillus sp. str. OS-33
DQ129450.1 gg_id:137820 microarray level air two cities Texas urban aerosol clone AKIW1059
D16273.1 gg_id:14673 Bacillus megaterium str. IAM 13418
EU660327.1 gg_id:299384 Bacillus horikoshii str. CM13
FJ973529.1 gg_id:376634 Bacillus djibelorensis str. NBPP23 B23
GQ980245.1 gg_id:540946 Bacillus niacini str. NBK36
EU221362.1 gg_id:253472 Bacillus licheniformis str. B2S1
EU880507.1 gg_id:342033 Bacillus megaterium str. PRE6
D16282.1 gg_id:14924 Sporolactobacillus dextrus str. IAM 12380
FJ644597.1 gg_id:562015 toxic marine dinoflagellates and Ostreopsis ovata malaysian waters benthic dinoflage
AY167861.1 gg_id:77319 Bacillus megaterium str. SAFR-040
DQ523498.1 gg_id:161560 Bacillus megaterium str. B69
X77791.1 gg_id:14626 Bacillus pseudomegaterium str. ATCC 49866
FJ227525.1 gg_id:353069 Identification unculturable species growing sludge methane reactor after methanoge
EU709019.1 gg_id:299152 Bacillus sp. str. CN40
DQ129522.1 gg_id:137910 microarray level air two cities Texas urban aerosol clone AKIW925
AJ229207.1 gg_id:26443 anoxic bulk soil flooded rice microcosm clone BSV55 clone
FJ976616.1 gg_id:582339 Bacillus megaterium str. LCR107
FJ973528.1 gg_id:425655 Bacillus niacini str. NBPP53 B53
GQ386842.1 gg_id:553886 Bacillus sp. str. GS2
EU257450.1 gg_id:239919 Bacillus subtilis CS-1-3
DQ079004.1 gg_id:158163 Bacillus sp. str. GB02-14C
DQ298337.1 gg_id:153253 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
FJ227532.1 gg_id:313454 Identification unculturable species growing sludge methane reactor after methanoge
DQ013307.1 gg_id:132308 Bacillus chandigarhensis str. SK 47
AY606801.1 gg_id:105668 Bacillus sp. str. TM 5
DQ346519.1 gg_id:155997 during composting libraries compost clone 3B05
DQ298356.1 gg_id:154482 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
AF252320.1 gg_id:17518 hot synthetic compost clone pPD7
AJ971870.1 gg_id:133358 Bacillus sp. Bt 18
DQ129501.1 gg_id:138249 microarray level air two cities Texas urban aerosol clone AKIW897
DQ365583.1 gg_id:149726 Bacillus megaterium str. GS07
EU620409.1 gg_id:277655 Bacillus boroniphilus str. S8-01
GQ980244.1 gg_id:561398 Bacillus arbutinivorans str. NBK31
EU465848.1 gg_id:287776 argali sheep feces clone AS2_aao36h03
GQ129958.1 gg_id:441209 Genetic inventory 'JPL-SAF' during MSL mission spacecraft assembly clean room floc
AJ504797.1 gg_id:76677 Bacillus aeolius str. 4-1
FJ527639.1 gg_id:537851 Bacillus megaterium str. rif200886
GU397392.1 gg_id:520247 Bacillus megaterium str. C13
GU434676.1 gg_id:520638 Bacillus sp. str. CCBAU 05776
EU169572.1 gg_id:248760 Bacillus sp. str. CRRI 5

EF612340.1	238908	657.0	545.7	622.7	303.2	423.7	1093.8
DQ129450.1	137820	2722.2	2421.1	1359.2	2647.7	499.8	2022.9
D16273.1	14673	487.1	456.5	1168.9	523.6	785.2	656.4
EU660327.1	299384	161.2	331.3	436.4	182.1	97.6	1808.6
FJ973529.1	376634	7299.5	7798.4	5812.9	5766.6	7156.2	7123.4
GQ980245.1	540946	3868.0	3363.6	590.3	517.5	302.6	699.7
EU221362.1	253472	65.4	114.6	309.2	87.9	73.6	525.9
EU880507.1	342033	1326.8	2852.1	9276.6	1779.4	7615.0	5348.2
D16282.1	14924	2464.5	3001.9	4996.8	3781.8	6069.2	4919.6
FJ644597.1	562015	3642.7	3794.6	2281.8	2037.4	3807.1	4078.6
AY167861.1	77319	863.0	1030.6	1448.6	774.4	567.7	2127.7
DQ523498.1	161560	74.9	269.3	129.6	80.3	50.9	465.8
X77791.1	14626	270.8	638.7	481.4	241.6	128.6	1399.6
FJ227525.1	353069	629.9	1611.0	1340.1	380.7	897.6	1585.0
EU709019.1	299152	104.1	235.9	358.0	87.4	101.2	304.6
DQ129522.1	137910	859.5	1344.5	1199.7	478.0	1405.2	2345.9
AJ229207.1	26443	4707.4	4168.0	5069.0	3827.2	1981.6	3581.4
FJ976616.1	582339	984.1	982.5	1380.2	775.5	599.5	1718.3
FJ973528.1	425655	1122.6	1567.9	1122.2	941.4	873.2	1983.4
GQ386842.1	553886	1000.3	627.0	1020.2	1995.1	118.7	618.4
EU257450.1	239919	561.4	1168.1	2040.5	628.2	329.2	2472.9
DQ079004.1	158163	1952.2	3751.0	3094.2	1270.3	2217.8	1984.2
DQ298337.1	153253	4340.3	3376.7	3217.9	4000.4	1862.0	2837.6
FJ227532.1	313454	10105.1	10807.2	6765.5	7730.8	8872.2	7327.0
DQ013307.1	132308	6737.3	6429.4	2301.6	4007.2	6448.1	5663.1
AY606801.1	105668	1974.4	2238.3	1490.2	582.9	629.5	2482.8
DQ346519.1	155997	5824.2	5300.2	4659.5	4801.0	5920.6	6270.4
DQ298356.1	154482	3770.1	3561.9	1197.8	403.8	945.8	1347.7
AF252320.1	17518	1082.7	541.3	759.2	1517.3	162.6	990.2
AJ971870.1	133358	940.5	842.3	570.8	1119.1	621.5	1048.2
DQ129501.1	138249	148.0	135.7	495.4	129.5	74.4	484.6
DQ365583.1	149726	175.8	357.3	1138.2	228.8	159.4	890.9
EU620409.1	277655	473.2	706.8	1342.5	405.3	413.1	693.8
GQ980244.1	561398	1262.4	1743.3	967.3	570.9	908.1	1541.4
EU465848.1	287776	68.8	95.0	89.7	93.9	84.3	566.3
GQ129958.1	441209	2370.6	1974.2	2087.7	2177.1	2471.2	3031.8
AJ504797.1	76677	877.5	523.5	622.4	576.0	418.7	2458.7
FJ527639.1	537851	3852.5	5093.6	3188.2	2275.3	1629.6	3337.8
GU397392.1	520247	794.4	970.9	1132.0	679.7	524.7	1704.2
GU434676.1	520638	1429.0	1538.7	418.7	464.6	119.1	1126.6
EU169572.1	248760	3292.8	5441.5	6394.4	5560.9	2618.3	4799.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	47469
s__unclassified	47474
s__unclassified	47482
s__unclassified	47493
s__unclassified	47496
s__unclassified	47507
s__unclassified	47508
s__unclassified	47514
s__unclassified	47517
s__unclassified	47531
s__unclassified	47536
s__unclassified	47542
s__unclassified	47550
s__unclassified	47566
s__unclassified	47569
s__unclassified	47570
s__unclassified	47573
s__unclassified	47578
s__unclassified	47597
s__unclassified	47600
s__unclassified	47608
s__unclassified	47618
s__unclassified	47629
s__unclassified	47653
s__unclassified	47673
s__unclassified	47685
s__unclassified	47698
s__unclassified	47712
s__unclassified	47722
s__unclassified	47732
s__unclassified	47754
s__unclassified	47770
s__unclassified	47772
s__unclassified	47785
s__unclassified	47794
s__unclassified	47799
s__unclassified	47836
s__unclassified	47842
s__unclassified	47845
s__unclassified	47858
s__unclassified	47874

AB034721.1 gg_id:33595 compost clone 4-75
AB245379.1 gg_id:147639 Bacillus ginsenggisoli str. Gsoil 3045
EU465971.1 gg_id:291602 African elephant feces clone AFEL3_aao15a10
AB111938.1 gg_id:100263 Bacillus halmapalus str. A64
FJ527638.1 gg_id:558171 Bacillus megaterium str. rif200881
EF682888.1 gg_id:236521 Eastern Mediterranean atmosphere clone F11_11A_FL
DQ129461.1 gg_id:137767 microarray level air two cities Texas urban aerosol clone AKIW398
DQ129500.1 gg_id:137566 urban aerosol clone AKIW884
EU071549.1 gg_id:248921 Bacillus flexus str. EHFS1_S05Hd
DQ288677.1 gg_id:142195 Bacillus sp. str. GPTSA 8T
AF423230.1 gg_id:30044 soil clone 1448-1
DQ448791.1 gg_id:158400 Bacillus sp. str. CNJ843 PL04
U20385.2 gg_id:14581 Bacillus infernus str. TH-23 (=SMCC/W 479)
EF636833.1 gg_id:277750 Metagenomic and Namib desert sand clone 5
DQ248237.1 gg_id:142445 carbon tetrachloride contaminated soil clone UE5
GU122960.1 gg_id:528670 Bacillus megaterium str. DBTBIG
AY603079.1 gg_id:99806 Bacillus sp. str. STB9
EU647526.1 gg_id:283943 recovered Xidatan Tanggula and Yuzhufeng glaciers glacial snow glacier Tin Plateau c
GQ284391.1 gg_id:544730 Bacillus sp. str. PCWCS41
AM992181.1 gg_id:282014 Bacillus boroniphilus PC IW 34
EU221374.1 gg_id:245999 Bacillus niacini str. Y2S4
EF512129.1 gg_id:221973 Bacillus megaterium str. CSQ-6
DQ298328.1 gg_id:152419 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
EF581379.1 gg_id:231418 Bacillus sp. str. CRRI1
EF516247.1 gg_id:220392 grassland soil clone FCPN527
DQ167241.1 gg_id:139261 Bacillus sp. str. MRN493
GQ903404.1 gg_id:593201 Bacillus sp. str. XJSL3-5
FJ435232.1 gg_id:365453 Bacillus subtilis str. 23
AB486506.1 gg_id:554221 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSBARC
EU221387.1 gg_id:248883 Bacillus humi str. P2P3
EF682884.1 gg_id:255979 Eastern Mediterranean atmosphere clone F11_4D_FL
U20384.1 gg_id:14577 Bacillus infernus str. TH-22 (=SMCC/W 478)
EF528264.1 gg_id:226279 Bacillus megaterium str. CICCHLJ Q30
EU879090.1 gg_id:331270 Bacillus megaterium str. HDDMN04
EU571144.1 gg_id:275875 Bacillus sp. str. 7-3
FJ527634.1 gg_id:564272 Bacillus megaterium str. rif200885
AY559417.1 gg_id:104622 hot spring water clone LW3
EU589286.1 gg_id:261699 China Ningxia rice paddy field soil clone 2_B7
AM419753.1 gg_id:181498 Bacillus sp. str. TDWCW7
EU221371.1 gg_id:255624 Bacillus vireti str. B2P6
DQ365587.1 gg_id:145161 Bacillus flexus str. GS11

AB034721.1	33595	31.0	59.4	59.5	59.7	54.8	111.9
AB245379.1	147639	352.3	1749.4	1380.3	1168.4	1730.1	3263.6
EU465971.1	291602	2199.5	2514.5	1394.5	1229.6	456.8	1008.3
AB111938.1	100263	3384.3	3722.2	2453.2	4370.8	2880.7	3772.8
FJ527638.1	558171	3479.5	3629.0	4196.6	3937.0	4433.2	4607.7
EF682888.1	236521	4024.2	3563.5	1025.5	3972.3	6465.1	5104.1
DQ129461.1	137767	4820.5	4604.1	3065.5	5783.8	7732.3	7400.9
DQ129500.1	137566	2094.6	2025.8	1242.2	1398.6	1693.6	1567.9
EU071549.1	248921	777.3	857.2	1335.6	598.1	566.2	1521.7
DQ288677.1	142195	11337.3	9447.2	5831.9	8373.2	11404.8	8370.8
AF423230.1	30044	833.8	1058.2	853.3	1198.4	190.5	783.0
DQ448791.1	158400	270.2	588.2	418.0	239.8	91.6	2280.9
U20385.2	14581	44.0	144.5	315.9	108.5	65.1	1242.4
EF636833.1	277750	3836.7	4483.7	3520.5	1654.3	1226.8	4404.3
DQ248237.1	142445	5144.2	4395.4	6231.0	3336.5	9978.1	6922.6
GU122960.1	528670	32.5	83.2	102.5	66.1	103.9	162.4
AY603079.1	99806	695.1	712.3	628.8	553.2	1343.8	2934.7
EU647526.1	283943	530.7	1022.5	928.0	295.5	287.0	734.7
GQ284391.1	544730	4331.9	2897.1	3713.8	6885.3	1672.1	4692.7
AM992181.1	282014	1174.2	1842.5	817.1	439.4	179.8	1755.8
EU221374.1	245999	2041.3	1656.4	2112.5	1936.4	971.9	2974.4
EF512129.1	221973	211.1	188.0	441.6	878.9	475.9	475.6
DQ298328.1	152419	387.5	778.4	471.1	288.7	445.8	1566.8
EF581379.1	231418	372.6	766.3	399.7	179.3	812.7	1281.2
EF516247.1	220392	2377.1	2583.8	1612.1	2593.1	1706.1	3338.5
DQ167241.1	139261	674.7	1384.3	2207.7	1049.7	912.8	3214.4
GQ903404.1	593201	2279.8	2190.2	2854.0	1237.1	1228.2	3030.3
FJ435232.1	365453	346.1	293.8	717.6	163.7	105.7	391.7
AB486506.1	554221	2083.7	3285.3	3278.4	1971.4	1198.2	2667.3
EU221387.1	248883	312.3	1736.8	1252.8	477.3	181.4	1985.7
EF682884.1	255979	7048.1	8315.6	2357.6	4848.8	9826.4	6257.3
U20384.1	14577	416.4	829.9	185.9	141.6	93.1	1495.3
EF528264.1	226279	418.1	555.0	825.4	234.9	182.0	1351.0
EU879090.1	331270	8037.3	7644.3	2405.7	4306.9	4532.3	5392.0
EU571144.1	275875	68.9	1243.5	1050.3	306.5	1062.9	1399.2
FJ527634.1	564272	300.5	468.0	1393.3	342.3	220.0	1200.6
AY559417.1	104622	4840.8	3797.1	3665.1	6229.5	2372.0	4789.4
EU589286.1	261699	1061.2	1254.3	379.6	319.4	125.7	1015.6
AM419753.1	181498	2987.8	3500.0	5628.0	3298.8	2136.7	4749.0
EU221371.1	255624	103.3	126.2	216.2	87.4	62.3	571.9
DQ365587.1	145161	155.0	302.8	716.3	219.5	142.7	931.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	47879
s__unclassified	47896
s__unclassified	47909
s__unclassified	47927
s__unclassified	47946
s__unclassified	47949
s__unclassified	47967
s__unclassified	47980
s__unclassified	47996
s__unclassified	47997
s__unclassified	48022
s__unclassified	48028
s__unclassified	48035
s__unclassified	48041
s__unclassified	48064
s__unclassified	48090
s__unclassified	48095
s__unclassified	48096
s__unclassified	48104
s__unclassified	48110
s__unclassified	48112
s__unclassified	48116
s__unclassified	48119
s__unclassified	48120
s__unclassified	48131
s__unclassified	48145
s__unclassified	48147
s__unclassified	48153
s__unclassified	48179
s__unclassified	48184
s__unclassified	48207
s__unclassified	48213
s__unclassified	48214
s__unclassified	48215
s__unclassified	48219
s__unclassified	48220
s__unclassified	48221
s__unclassified	48222
s__unclassified	48223
s__unclassified	48226
s__unclassified	48227

DQ093581.1 gg_id:338501 Bacillus megaterium str. EJC-1
DQ462195.1 gg_id:158236 Bacillus megaterium str. MP-5
AB034715.1 gg_id:28732 compost clone 4-57
AB198720.1 gg_id:131715 Bacillus borophilicus str. T-17s
GQ479946.1 gg_id:549663 Bacillus megaterium str. L4
FJ393317.1 gg_id:356944 Bacillus megaterium str. TCCC11370
AM411966.1 gg_id:244199 Bacillus sp. str. P-43
EU221360.1 gg_id:256079 Bacillus niacini str. J2S7
DQ906820.1 gg_id:253527 Oman subsurface soil clone 5C-13
EU834241.1 gg_id:342723 Bacillus vireti str. DS11
EU571116.1 gg_id:264293 Paenibacillus sp. str. 1-2
AM411965.1 gg_id:253372 Bacillus sp. str. P-30
EU004564.1 gg_id:235358 Bacillus sp. str. HM06-02
AY509228.1 gg_id:104385 Bacillus niacini str. S154
AY167813.1 gg_id:77415 Bacillus megaterium str. SAFN-017
DQ079008.1 gg_id:157487 Bacillus sp. str. GB02-2A
DQ298264.1 gg_id:154068 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
FJ435230.1 gg_id:367954 Bacillus pumilus str. 19
EU620419.1 gg_id:278318 Bacillus megaterium str. S8-12
AY920317.1 gg_id:140024 Bacillus sp. str. KT-1
FJ851432.1 gg_id:532099 Bacillus sp. str. 1NLA3E
AF423214.1 gg_id:34585 soil clone 1200-1
FJ416490.1 gg_id:370385 Bacillus sp. str. BL4-6
AB245377.1 gg_id:146955 Bacillus pocheonensis str. Gsoil 420
FJ535471.1 gg_id:510800 Bacillus sp. B7(2008) str. B7
AB486217.1 gg_id:591208 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSBARC
GQ304778.1 gg_id:592464 Bacillus horikoshii str. A2
GQ083176.1 gg_id:392856 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
AY603978.1 gg_id:99208 Bacillus sp. str. BH030017
EU465102.1 gg_id:300373 African elephant feces clone AFYEL_aaj68b02
FJ222553.1 gg_id:314498 Bacillus subtilis str. WR-W2
EU870509.1 gg_id:312403 Bacillus pumilus str. Sua-BAC014
EF101699.1 gg_id:182801 Bacillus subtilis str. HU75
EU216752.1 gg_id:244321 Bacillus pumilus str. JH1-1
EU221348.1 gg_id:248169 Bacillus subtilis str. AM1C4
AY296812.1 gg_id:101635 Bacillus licheniformis str. IBT017
AY905693.1 gg_id:112084 Bacillus subtilis str. CICC10265
AB547219.1 gg_id:527595 Bacillus axarquiensis str. NCCP-51
AB044748.1 gg_id:29235 Bacillus sp. KSM-K38
EF646827.1 gg_id:241931 Bacillus licheniformis str. YS01
AJ532701.1 gg_id:76003 uranium mill tailings clone Gitt-KF-76

DQ093581.1	338501	2933.2	2644.1	1491.3	2707.4	1837.0	1806.4
DQ462195.1	158236	118.4	100.8	342.4	167.4	174.2	220.8
AB034715.1	28732	29.9	68.6	27.9	60.0	61.5	165.8
AB198720.1	131715	70.5	174.6	205.2	70.9	88.3	388.4
GQ479946.1	549663	371.7	313.5	745.3	248.3	148.2	410.5
FJ393317.1	356944	333.8	349.6	702.2	158.4	88.4	311.0
AM411966.1	244199	23118.9	19154.7	11945.1	14820.8	15015.4	13277.1
EU221360.1	256079	951.2	1224.6	813.7	444.9	309.4	1494.5
DQ906820.1	253527	601.2	879.6	1438.8	694.9	262.5	780.1
EU834241.1	342723	1647.7	1445.5	1466.0	511.5	2146.2	1052.0
EU571116.1	264293	756.4	1078.2	3758.1	562.6	4216.4	1882.3
AM411965.1	253372	5619.6	7205.4	2063.9	1395.4	867.1	1265.0
EU004564.1	235358	283.6	867.2	2085.9	444.2	260.9	1422.8
AY509228.1	104385	3262.4	3105.3	1407.5	358.4	541.6	2486.3
AY167813.1	77415	262.2	253.5	485.8	129.3	80.5	354.7
DQ079008.1	157487	339.6	449.6	546.5	236.2	215.9	525.9
DQ298264.1	154068	824.8	810.2	1501.9	483.0	342.1	1345.5
FJ435230.1	367954	1990.3	2597.8	3848.1	1819.7	7918.8	6584.4
EU620419.1	278318	389.3	400.9	469.0	440.8	191.7	1878.2
AY920317.1	140024	1324.2	1228.4	1545.6	1428.6	570.0	2285.9
FJ851432.1	532099	1438.7	1252.6	2272.0	1074.1	129.4	1523.0
AF423214.1	34585	419.0	486.8	1230.8	911.0	1194.8	1118.8
FJ416490.1	370385	896.2	805.6	1250.7	390.7	94.6	4202.9
AB245377.1	146955	2571.6	2749.8	3133.7	3957.8	1392.2	5533.8
FJ535471.1	510800	3254.6	2815.3	1088.3	1566.8	1235.2	1658.2
AB486217.1	591208	106.3	325.1	458.0	155.4	114.6	2351.1
GQ304778.1	592464	1059.5	1449.4	1366.9	1212.6	419.9	1536.6
GQ083176.1	392856	116.0	211.1	270.8	113.0	60.4	555.7
AY603978.1	99208	229.7	352.1	454.3	283.6	92.3	493.8
EU465102.1	300373	816.7	360.1	358.6	1354.2	713.8	1143.9
FJ222553.1	314498	5216.9	4409.7	6107.4	6684.4	3222.1	8039.8
EU870509.1	312403	699.2	1458.5	1163.3	423.8	697.4	3242.3
EF101699.1	182801	3859.4	3586.9	5010.3	5076.8	1075.4	5751.8
EU216752.1	244321	10701.0	10923.4	6405.1	6467.9	9394.7	8107.4
EU221348.1	248169	1328.4	1754.3	1748.1	1773.4	1777.8	2418.9
AY296812.1	101635	3907.3	3420.2	121.6	2245.9	3266.0	2453.5
AY905693.1	112084	695.4	836.0	962.3	330.7	181.6	2068.7
AB547219.1	527595	17000.3	16402.1	6170.9	11361.0	13702.7	11824.4
AB044748.1	29235	38.3	55.9	33.8	65.1	79.3	40.3
EF646827.1	241931	1237.1	1577.4	1316.3	906.5	2612.2	2420.0
AJ532701.1	76003	889.4	1039.1	1770.3	2164.2	629.0	3536.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48230
s__unclassified	48231
s__unclassified	48232
s__unclassified	48235
s__unclassified	48237
s__unclassified	48238
s__unclassified	48243
s__unclassified	48246
s__unclassified	48250
s__unclassified	48251
s__unclassified	48253
s__unclassified	48255
s__unclassified	48257
s__unclassified	48262
s__unclassified	48263
s__unclassified	48264
s__unclassified	48268
s__unclassified	48273
s__unclassified	48276
s__unclassified	48279
s__unclassified	48282
s__unclassified	48284
s__unclassified	48285
s__unclassified	48287
s__unclassified	48289
s__unclassified	48295
s__unclassified	48297
s__unclassified	48298
s__unclassified	48302
s__unclassified	48303
s__unclassified	48306
s__unclassified	48307
s__unclassified	48310
s__unclassified	48311
s__unclassified	48312
s__unclassified	48316
s__unclassified	48318
s__unclassified	48319
s__unclassified	48323
s__unclassified	48324
s__unclassified	48325

AY553094.1 gg_id:103800 Bacillus subtilis str. MO1
DQ923217.1 gg_id:179348 Bacillus sp. m3-18
X81131.1 gg_id:14723 Bacillus sp str. Termite isolate v
DQ117544.1 gg_id:138009 structure (Citrullus vulgaris SCHARD.) -based approaches and terminal fragment len
DQ298263.1 gg_id:151865 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
AY907698.1 gg_id:112579 Bacillus subtilis str. CICC10080
DQ923224.1 gg_id:188387 Bacillus sp. m2-35
EU660314.1 gg_id:300233 Bacillus subtilis str. CT17
DQ129423.1 gg_id:138175 microarray level air two cities Texas urban aerosol clone AKIW703
GQ865645.1 gg_id:543387 Bacillus subtilis str. DSVP25
EU071555.1 gg_id:249702 Bacillus licheniformis str. EHFS2_S05Hd
EU742145.1 gg_id:346842 Bacillus licheniformis str. SKU 3
EF173323.1 gg_id:175072 Bacillus licheniformis MKI9
AY739691.1 gg_id:114611 lubricant-contaminated soil clone KUD46A
AY971360.1 gg_id:115295 Bacillus subtilis str. CICC10152
AY667495.1 gg_id:102851 Bacillus sp. str. BH724
EU672846.1 gg_id:289007 Bacillus licheniformis str. TS-01
EF516409.1 gg_id:224115 grassland soil clone FCPP531
EU042150.1 gg_id:245253 Bacillus subtilis str. Q47(1)
EU719191.1 gg_id:337655 Bacillus pumilus str. A1
EU240965.1 gg_id:274648 Bacillus subtilis str. YC-12B
FJ687490.1 gg_id:545577 Bacillus aquimaris str. VITP4
GQ199593.1 gg_id:543593 Bacillus subtilis str. DL-3-4-3
GQ983544.1 gg_id:593069 Bacillus amyloliquefaciens str. HYD-B17
FJ937899.1 gg_id:567864 Bacillus sp. str. LS48
EU162839.1 gg_id:251156 Bacillus licheniformis str. 8-37-0-1
EF633685.1 gg_id:242176 Bacillus sp. 'TS 33' str. TS IW 33
EF101727.1 gg_id:191042 Bacillus subtilis str. GB12
EU571103.1 gg_id:272881 Bacillus subtilis str. EM 11
AY842874.1 gg_id:109651 Bacillus licheniformis str. CICC10093
GQ375214.1 gg_id:571371 Bacillus amyloliquefaciens str. CICC 20164
EU117278.1 gg_id:257156 Bacillus licheniformis str. B8
FN395277.1 gg_id:428974 Bacillus sp. str. FR-W2C1
AB301015.1 gg_id:253269 Bacillus pumilus str. GH56
AY805232.1 gg_id:109012 Bacillus subtilis str. BSK
AB362273.1 gg_id:262094 Bacillus hwajinpoensis str. JAM-FM0801
EU921229.1 gg_id:326750 Bacillus pumilus str. BM-F13
EF513611.1 gg_id:220004 Bacillus subtilis str. A60
DQ785743.1 gg_id:161720 Bacillus subtilis str. WSH-062
NR_028709.1 gg_id:577421 Bacillus siralis str. 171544; DSM 13140
EU826027.1 gg_id:317297 Bacillus subtilis str. CDB86

AY553094.1	103800	791.8	1023.4	684.9	271.3	687.5	2116.6
DQ923217.1	179348	19994.5	15462.1	9243.5	13543.1	20505.1	16748.7
X81131.1	14723	110.7	164.0	305.4	194.0	90.1	1398.8
DQ117544.1	138009	3291.4	4213.6	2946.7	2770.3	3156.3	6694.7
DQ298263.1	151865	5041.2	4402.5	2249.7	5077.0	7652.1	5843.3
AY907698.1	112579	58.2	67.7	151.8	72.6	812.1	375.0
DQ923224.1	188387	10891.3	7976.6	4518.7	10012.8	13015.2	11278.3
EU660314.1	300233	15220.6	15501.0	15121.4	14153.3	14992.2	14493.2
DQ129423.1	138175	547.1	1037.4	1003.8	466.1	103.1	1480.7
GQ865645.1	543387	2121.4	2512.6	2104.2	1261.2	3417.7	3811.9
EU071555.1	249702	174.9	290.1	622.0	236.4	174.8	2725.4
EU742145.1	346842	939.7	1035.0	1312.6	1246.8	1266.4	4009.0
EF173323.1	175072	214.7	181.8	595.9	146.5	74.0	1062.8
AY739691.1	114611	8895.6	8278.7	8024.2	7193.8	6689.6	13161.0
AY971360.1	115295	4357.5	4772.3	3534.7	5107.8	3127.1	4990.7
AY667495.1	102851	783.5	444.1	2229.1	135.9	99.3	409.1
EU672846.1	289007	9723.9	8127.0	11046.2	8753.4	15231.0	11623.9
EF516409.1	224115	131.5	251.6	322.6	636.2	133.2	711.4
EU042150.1	245253	1319.4	1530.9	1010.9	423.6	1181.4	1184.5
EU719191.1	337655	466.3	1079.0	833.7	317.5	133.9	1780.5
EU240965.1	274648	3495.4	4877.2	1532.3	2647.3	4215.2	3645.0
FJ687490.1	545577	3076.1	3938.1	2022.3	3814.7	1423.8	3302.8
GQ199593.1	543593	788.1	633.6	427.1	216.0	224.3	413.8
GQ983544.1	593069	4068.0	4041.8	4455.5	4152.8	4011.9	4945.8
FJ937899.1	567864	9590.9	9887.2	6288.9	5498.7	8564.2	8111.0
EU162839.1	251156	3589.2	2688.3	2123.1	5956.9	3904.0	5483.7
EF633685.1	242176	297.3	449.1	364.4	134.1	172.5	803.5
EF101727.1	191042	10795.2	9769.8	2436.8	8064.3	8021.9	8001.2
EU571103.1	272881	14421.6	14123.5	18189.2	12940.7	12828.2	13980.0
AY842874.1	109651	285.5	514.0	718.0	256.8	1562.3	2080.5
GQ375214.1	571371	506.3	632.5	153.1	96.3	96.8	348.3
EU117278.1	257156	4265.2	5868.5	5750.5	4987.5	7696.1	7737.5
FN395277.1	428974	574.3	266.8	357.9	1239.9	100.7	1841.5
AB301015.1	253269	1013.4	2189.3	1534.0	1686.8	1409.9	2780.4
AY805232.1	109012	659.1	802.5	869.2	790.1	1375.0	1740.5
AB362273.1	262094	2605.7	4684.1	3305.7	3189.3	1951.4	1837.3
EU921229.1	326750	285.7	512.5	414.8	311.5	138.4	2176.3
EF513611.1	220004	2215.6	2564.6	1589.2	1894.6	1268.4	1809.3
DQ785743.1	161720	155.7	161.1	198.6	95.7	136.9	148.8
NR_028709.1	577421	815.1	693.4	921.5	1287.1	1098.4	1428.9
EU826027.1	317297	6662.9	6332.2	7694.8	6744.1	6223.2	7716.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48329
s__unclassified	48332
s__unclassified	48334
s__unclassified	48337
s__unclassified	48338
s__unclassified	48340
s__unclassified	48343
s__unclassified	48348
s__unclassified	48353
s__unclassified	48355
s__unclassified	48357
s__unclassified	48358
s__unclassified	48360
s__unclassified	48362
s__unclassified	48364
s__unclassified	48368
s__unclassified	48371
s__unclassified	48373
s__unclassified	48374
s__unclassified	48375
s__unclassified	48378
s__unclassified	48379
s__unclassified	48387
s__unclassified	48388
s__unclassified	48393
s__unclassified	48396
s__unclassified	48399
s__unclassified	48400
s__unclassified	48401
s__unclassified	48406
s__unclassified	48409
s__unclassified	48414
s__unclassified	48416
s__unclassified	48418
s__unclassified	48421
s__unclassified	48422
s__unclassified	48423
s__unclassified	48430
s__unclassified	48437
s__unclassified	48438
s__unclassified	48439

AM921637.1 gg_id:254607 Bacillus simplex PhyCEm-445
AY530750.1 gg_id:101337 Bacillus subtilis str. Akira3
EF154418.1 gg_id:176669 Bacillus subtilis str. RP24
FJ976612.1 gg_id:538157 Bacillus pumilus str. LCR103
FJ607434.1 gg_id:544209 Bacillus cibi str. 102
FJ263034.1 gg_id:368912 Bacillus subtilis str. RC22
FJ951435.1 gg_id:444096 Streptomyces indiaensis str. IF 5
FJ999559.1 gg_id:385478 Bacillus sp. str. HLSB39
AY296813.1 gg_id:101803 Bacillus licheniformis str. IBT018
AB021198.1 gg_id:28010 Bacillus vallismortis str. DSM11031
GU143792.1 gg_id:583331 Bacillus subtilis str. SV10
AY867793.1 gg_id:110674 Bacillus subtilis str. 4-7
EU627167.1 gg_id:277872 Bacillus subtilis str. NH.100
Y07584.1 gg_id:14681 Drentse grassland soil clone DA026
EU874880.1 gg_id:322338 Bacillus pumilus W93
EU379270.1 gg_id:271984 Bacillus pumilus str. 3L-10c
FJ937897.1 gg_id:568427 Bacillus sp. str. LS42
DQ129544.1 gg_id:137539 urban aerosol clone AKIW616
AB301024.1 gg_id:252338 Bacillus amyloliquefaciens str. GH58
FJ392727.1 gg_id:362442 Bacillus subtilis str. H10-7
AY162128.1 gg_id:76767 Bacillus subtilis str. HAZ14
AY995569.2 gg_id:122232 Bacillus subtilis str. IDCC1102
FJ937907.1 gg_id:513315 Bacillus aquimaris str. LS71
FJ225309.1 gg_id:340487 Bacillus pumilus str. TAD166
AJ880761.1 gg_id:112618 Bacillus subtilis SMF7
AY030326.1 gg_id:36519 Bacillus licheniformis str. KL-047
AY920496.1 gg_id:112943 Bacillus subtilis str. Fds-1
FJ907196.1 gg_id:574051 Bacillus licheniformis 13
AY462210.1 gg_id:110364 Bacillus pumilus str. DF39
EU982438.1 gg_id:321882 Enrichment and detection moderate thermophilic microorganisms vents Lau Basin h
X76436.1 gg_id:14505 Bacillus alcalophilus
AB020195.1 gg_id:46318 Bacillus sp. str. TGS437
X60611.1 gg_id:14659 Bacillus benzoevorans str. NCIMB 12555
EU982547.1 gg_id:573697 Bacillus subtilis str. 1857
AY971358.1 gg_id:115292 Bacillus subtilis str. CICC10148
EU977781.1 gg_id:534273 Bacillus vallismortis str. 1P07SD
FN393828.1 gg_id:549949 Bacillus pumilus str. ES-215-1
EU770587.1 gg_id:335963 Bacillus licheniformis str. SVD1
DQ866803.1 gg_id:170213 Bacillus subtilis str. B-FS06
FJ188306.1 gg_id:545376 Bacillus hwajinpoensis str. UST040801-008
AY881636.1 gg_id:111636 Bacillus subtilis str. CICC10026

AM921637.1	254607	521.2	977.3	691.1	311.7	343.9	1766.4
AY530750.1	101337	1158.3	1411.8	1076.5	1485.9	1940.4	2568.7
EF154418.1	176669	792.9	885.8	476.8	306.8	151.4	882.9
FJ976612.1	538157	1133.1	1305.0	1051.5	2004.3	1040.5	3370.9
FJ607434.1	544209	966.6	1809.4	2709.9	1150.3	2381.6	5424.2
FJ263034.1	368912	1160.0	1311.7	1647.5	1503.5	671.3	3430.1
FJ951435.1	444096	593.8	1311.8	1320.2	437.6	1678.3	3014.2
FJ999559.1	385478	6207.2	5683.3	2351.5	6180.3	6280.9	9879.5
AY296813.1	101803	4848.5	3511.5	6960.4	5013.5	5317.3	4373.7
AB021198.1	28010	144.9	215.6	330.0	129.5	59.5	964.1
GU143792.1	583331	515.7	543.9	372.8	142.9	133.2	719.8
AY867793.1	110674	542.9	549.4	1047.9	634.3	1088.2	1873.5
EU627167.1	277872	9718.5	10563.3	4456.9	9579.4	13025.9	12041.8
Y07584.1	14681	2346.2	1974.9	2958.0	3055.1	1078.4	2370.1
EU874880.1	322338	638.8	960.4	1574.5	426.6	410.2	1352.3
EU379270.1	271984	6016.9	7495.8	3428.1	3055.7	5260.8	5291.1
FJ937897.1	568427	12619.7	9249.2	8301.2	5300.0	4751.2	5402.6
DQ129544.1	137539	383.9	562.7	901.1	315.7	1105.7	1380.9
AB301024.1	252338	29.5	54.7	19.5	49.8	64.2	111.9
FJ392727.1	362442	2079.9	2526.0	1464.2	1639.1	1565.5	2455.0
AY162128.1	76767	7010.5	8498.8	2414.0	3189.7	3679.6	4367.8
AY995569.2	122232	1887.1	2200.5	5467.2	2721.3	487.4	1635.9
FJ937907.1	513315	4386.2	4340.1	3339.0	4845.7	5555.9	5982.3
FJ225309.1	340487	256.7	378.6	273.5	589.3	229.7	751.3
AJ880761.1	112618	6044.0	7677.7	6304.1	4922.9	11204.5	9242.6
AY030326.1	36519	4102.2	3785.8	4667.8	4724.5	1364.5	3022.1
AY920496.1	112943	11432.2	10363.0	3895.5	6605.3	8706.4	10114.1
FJ907196.1	574051	2162.3	2946.6	1923.8	2150.7	5351.4	5221.5
AY462210.1	110364	14530.0	14306.2	14784.6	14576.8	22463.0	19011.3
EU982438.1	321882	3972.8	2502.4	3179.9	3288.0	1687.4	4115.4
X76436.1	14505	3712.7	3225.9	986.1	954.7	200.3	591.3
AB020195.1	46318	3083.1	3201.9	1607.6	1671.5	2547.9	2376.4
X60611.1	14659	1539.9	1628.0	1747.2	2094.1	4443.3	3289.8
EU982547.1	573697	901.4	879.3	403.7	317.5	103.1	1326.1
AY971358.1	115292	1470.1	1549.1	899.1	928.9	1660.1	2130.3
EU977781.1	534273	174.4	539.9	480.8	648.0	464.8	708.8
FN393828.1	549949	1392.3	1777.5	1229.6	1953.6	1101.8	1957.0
EU770587.1	335963	258.2	517.5	625.3	285.1	86.9	2531.1
DQ866803.1	170213	1269.3	1767.5	1026.4	1482.7	2220.1	2177.1
FJ188306.1	545376	2272.9	4672.4	3429.7	1788.2	1966.5	2578.8
AY881636.1	111636	1136.6	1417.5	543.7	220.5	256.1	1596.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48440
s__unclassified	48441
s__unclassified	48445
s__unclassified	48450
s__unclassified	48452
s__unclassified	48456
s__unclassified	48457
s__unclassified	48460
s__unclassified	48465
s__unclassified	48466
s__unclassified	48475
s__unclassified	48477
s__unclassified	48481
s__unclassified	48485
s__unclassified	48489
s__unclassified	48491
s__unclassified	48493
s__unclassified	48497
s__unclassified	48499
s__unclassified	48500
s__unclassified	48501
s__unclassified	48508
s__unclassified	48512
s__unclassified	48513
s__unclassified	48516
s__unclassified	48521
s__unclassified	48522
s__unclassified	48525
s__unclassified	48526
s__unclassified	48527
s__unclassified	48528
s__unclassified	48530
s__unclassified	48531
s__unclassified	48532
s__unclassified	48536
s__unclassified	48538
s__unclassified	48544
s__unclassified	48554
s__unclassified	48556
s__unclassified	48558
s__unclassified	48561

FJ549016.1 gg_id:513945 Bacillus pumilus str. SH-B23
EU668173.1 gg_id:280067 Bacillus licheniformis str. XN-80-3
GU097200.1 gg_id:579297 Bacillus subtilis str. AT1
EU627169.1 gg_id:278386 Bacillus subtilis str. NH.160
AY775778.1 gg_id:107843 Bacillus subtilis str. BFAS
AB489112.1 gg_id:545900 Bacillus licheniformis str. GL5-2
AY347312.1 gg_id:92087 Bacillus sp. str. -11
AY030328.1 gg_id:36125 Bacillus licheniformis str. KL-068
EF101706.1 gg_id:195713 Bacillus subtilis str. HU39
GU143794.1 gg_id:584709 Bacillus licheniformis str. SV12
AB379850.1 gg_id:355283 Bacillus subtilis
FJ493045.1 gg_id:570386 Bacillus licheniformis str. 2J-1
DQ057584.1 gg_id:137184 Bacillus subtilis str. CICC10162
AY030329.1 gg_id:32365 Bacillus mojavensis str. KL-070
EU870504.1 gg_id:350512 Bacillus licheniformis str. Sua-BAC008
AF411341.1 gg_id:38338 Bacillus licheniformis str. SK-1
AF142574.1 gg_id:14747 Bacillus subtilis str. ATCC9799
EU867381.1 gg_id:584455 Bacillus pumilus str. CCGE2028
EU123939.1 gg_id:318813 Bacillus subtilis 1975
EF101715.1 gg_id:180578 Bacillus subtilis str. HU61
EU333893.1 gg_id:262062 Bacillus pumilus str. K22-10
AF489591.1 gg_id:68699 Bacillus amyloliquefaciens str. CMB01
EU998984.1 gg_id:338331 Bacillus subtilis str. 13C
AJ544538.1 gg_id:101989 Bacillus subtilis str. US116
EU620411.1 gg_id:279535 Bacillus licheniformis str. S8-03
GQ352415.1 gg_id:552356 Bacillus sp. str. SP15.4Y1
GQ304784.1 gg_id:578704 Bacillus arsenicus str. B3
EU660366.1 gg_id:294422 Bacillus pumilus str. CT14
EF451043.1 gg_id:215030 Bacillus ferrariarum str. HIO-19
EF032673.1 gg_id:178850 Bacillus subtilis str. AU14
EU835731.1 gg_id:308679 Bacillus baekryungensis str. DS3
AJ628748.1 gg_id:101432 Bacillus muralis str. LMG 20238
AY833569.2 gg_id:114640 Bacillus subtilis str. MC1B-03
GQ861531.1 gg_id:529430 Bacillus pumilus str. BF6-1
DQ209209.1 gg_id:139932 Bacillus pumilus str. rg2-s2
AY905692.1 gg_id:111603 Bacillus subtilis str. CICC10264
GQ280077.1 gg_id:582085 Bacillus vallismortis str. JS-7
EF064785.1 gg_id:190342 Bacillus subtilis BS-009
EU231631.1 gg_id:250403 Bacillus subtilis str. TCCC11022
EF064205.1 gg_id:184943 Bacillus subtilis str. NA
EU407552.1 gg_id:270598 Bacillus pumilus str. UFV-E34

FJ549016.1	513945	917.9	1337.9	1000.9	644.3	703.9	2084.8
EU668173.1	280067	97.8	228.2	499.4	122.9	183.3	924.0
GU097200.1	579297	702.3	601.2	89.1	61.1	79.8	436.5
EU627169.1	278386	166.0	226.9	456.0	152.3	79.6	1329.4
AY775778.1	107843	254.3	410.2	510.6	280.5	162.2	1034.2
AB489112.1	545900	327.3	464.7	945.9	177.3	51.2	1195.2
AY347312.1	92087	627.1	1599.5	1586.4	746.4	597.6	2019.9
AY030328.1	36125	2713.2	3778.7	3481.0	2315.2	5505.1	5327.4
EF101706.1	195713	708.3	648.0	1160.5	630.2	1268.8	1442.7
GU143794.1	584709	6019.0	9186.7	4037.9	5459.1	15020.7	9820.3
AB379850.1	355283	1013.7	1504.1	1036.4	632.3	907.9	2523.0
FJ493045.1	570386	5036.7	5006.3	3750.9	3157.8	4085.8	6126.2
DQ057584.1	137184	313.5	413.1	547.1	460.6	898.0	1453.3
AY030329.1	32365	13016.0	12590.8	5842.9	10043.3	6450.1	6568.6
EU870504.1	350512	79.7	78.2	210.9	134.4	163.6	1441.1
AF411341.1	38338	397.1	610.8	770.8	374.6	168.9	2391.7
AF142574.1	14747	1209.1	1427.4	298.0	309.5	162.2	793.8
EU867381.1	584455	909.5	1424.5	1409.3	660.9	327.6	2510.9
EU123939.1	318813	1132.2	1717.7	1358.1	1747.1	1636.3	2436.1
EF101715.1	180578	7178.0	7248.4	3225.7	5112.0	5695.7	5551.0
EU333893.1	262062	73.6	343.5	471.2	133.9	83.5	1188.2
AF489591.1	68699	1068.5	1161.8	534.2	425.8	879.6	1122.4
EU998984.1	338331	7308.9	6850.0	5403.2	6131.0	7960.5	8813.6
AJ544538.1	101989	1493.4	1379.4	438.9	185.1	890.4	693.4
EU620411.1	279535	2628.0	3671.6	2849.2	3948.2	4394.4	4364.9
GQ352415.1	552356	562.9	605.4	474.3	596.1	311.4	1402.3
GQ304784.1	578704	3510.8	4032.2	3651.0	2152.7	2731.6	2993.8
EU660366.1	294422	4688.6	5244.0	4113.3	4402.3	4122.5	6155.3
EF451043.1	215030	3010.0	2687.3	2168.9	3155.9	1984.9	5047.6
EF032673.1	178850	2454.2	2252.3	1955.8	2683.3	2946.8	4395.0
EU835731.1	308679	6188.6	6251.0	5511.0	6928.9	7895.0	10806.0
AJ628748.1	101432	108.9	500.1	357.0	211.5	68.8	2019.7
AY833569.2	114640	109.0	442.0	384.1	131.3	50.4	271.1
GQ861531.1	529430	187.5	689.1	1089.2	361.9	83.2	952.4
DQ209209.1	139932	637.6	1281.0	871.8	317.9	710.8	2508.7
AY905692.1	111603	1066.3	1169.0	558.2	491.1	893.0	1468.3
GQ280077.1	582085	14085.8	10537.6	8276.2	11381.6	12828.9	12199.8
EF064785.1	190342	55.5	53.5	50.8	55.1	71.8	257.6
EU231631.1	250403	1196.5	1893.2	1804.5	1798.2	1770.1	2918.8
EF064205.1	184943	725.7	1564.9	2067.7	556.9	1688.9	3524.8
EU407552.1	270598	139.1	204.3	529.2	290.5	306.2	318.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48563
s__unclassified	48569
s__unclassified	48570
s__unclassified	48571
s__unclassified	48573
s__unclassified	48574
s__unclassified	48579
s__unclassified	48580
s__unclassified	48581
s__unclassified	48582
s__unclassified	48587
s__unclassified	48593
s__unclassified	48594
s__unclassified	48597
s__unclassified	48610
s__unclassified	48612
s__unclassified	48613
s__unclassified	48614
s__unclassified	48616
s__unclassified	48618
s__unclassified	48629
s__unclassified	48632
s__unclassified	48635
s__unclassified	48637
s__unclassified	48638
s__unclassified	48643
s__unclassified	48645
s__unclassified	48647
s__unclassified	48649
s__unclassified	48652
s__unclassified	48654
s__unclassified	48657
s__unclassified	48660
s__unclassified	48662
s__unclassified	48665
s__unclassified	48668
s__unclassified	48670
s__unclassified	48671
s__unclassified	48675
s__unclassified	48676
s__unclassified	48678

EU273353.2 gg_id:287184 Bacillus oryzae str. SVPR30
AM910582.1 gg_id:276898 Bacillus licheniformis str. 4.4
FJ976555.1 gg_id:541742 Bacillus subtilis str. LCR46
EU624426.1 gg_id:282668 Bacillus aquimaris str. S6-03
AB098576.1 gg_id:78009 Bacillus sp. str. TUT1007
AJ494726.1 gg_id:55661 Bacillus pumilus EI-24-8
EF528292.1 gg_id:225352 Bacillus pumilus str. CICCHLJ Q90
EU847237.1 gg_id:331448 Bacillus licheniformis str. TT2AG
EU594552.1 gg_id:276256 Bacillus pumilus str. 2-1
GQ284402.1 gg_id:555414 Bacillus sp. str. TSWCSN9
GQ280120.1 gg_id:540755 Bacillus sp. str. JS-50
AY800557.1 gg_id:108974 Bacillus subtilis str. N-6
DQ923227.1 gg_id:195199 Bacillus sp. m2-39
FN395283.1 gg_id:444287 Bacillus subtilis str. FR-W7Bb
EF443161.1 gg_id:210305 Bacillus subtilis str. M2
EU870499.1 gg_id:328563 Bacillus licheniformis str. Sua-BAC002
GU125640.1 gg_id:572932 Bacillus amyloliquefaciens str. IMAU802224
FJ348039.1 gg_id:349151 Bacillus sp. str. GGC-P3
EF433411.1 gg_id:204383 Bacillus sonorensis str. BCRC 17416
GQ199736.1 gg_id:578257 Bacillus sp. str. 210_34
EU221673.1 gg_id:240721 Bacillus subtilis FL
AY553096.1 gg_id:104097 Bacillus subtilis str. MO3
EF423607.1 gg_id:215829 Bacillus amyloliquefaciens str. BCRC 14711
AY559425.1 gg_id:100403 hot spring water clone LS27
EU882849.1 gg_id:332567 Bacillus subtilis str. F3-7
EF488088.1 gg_id:221995 Bacillus subtilis str. QD9
AB196351.1 gg_id:140945 Bacillus pumilus str. PS9
AF286483.1 gg_id:47807 Bacillus sp. str. VAN22
EU236746.1 gg_id:245090 Bacillus mojavensis str. Z19
EF032676.1 gg_id:180275 Bacillus subtilis str. AU21
GU250447.1 gg_id:558795 Bacillus amyloliquefaciens str. BFE 5335
FJ493042.1 gg_id:564008 Bacillus licheniformis str. G2
GQ903425.1 gg_id:581826 Bacillus pumilus str. XJSL5-6
FJ263042.1 gg_id:357233 Bacillus pumilus str. ZA13
EU366373.1 gg_id:258739 Bacillus amyloliquefaciens str. IV3
GU357825.1 gg_id:527673 Bacillus subtilis str. DJ5
EU113216.1 gg_id:238662 Bacillus licheniformis str. IO21
EU146061.1 gg_id:245167 Streptomyces clavuligerus str. MTCC 7037; Mit-1
AY548949.1 gg_id:106026 Bacillus pumilus str. 8N-4
GQ375236.1 gg_id:509935 Bacillus licheniformis str. CICC 10182
DQ129874.2 gg_id:138024 Bacillus sp. LCKW-Isolate15N

EU273353.2	287184	720.0	1415.7	751.9	973.4	1402.6	1740.5
AM910582.1	276898	6563.0	3414.8	2862.5	5167.4	5801.6	5102.5
FJ976555.1	541742	1300.4	1073.7	2095.3	1495.8	2114.3	3009.4
EU624426.1	282668	4370.3	3956.9	3779.5	4674.8	1712.2	3691.7
AB098576.1	78009	53.1	91.4	146.0	70.0	103.9	104.3
AJ494726.1	55661	464.1	1271.3	1720.0	403.9	368.1	3267.8
EF528292.1	225352	5771.5	5031.4	3058.1	4933.6	1014.0	3254.7
EU847237.1	331448	651.9	684.5	743.9	496.0	611.9	1453.8
EU594552.1	276256	180.3	495.2	348.7	185.7	126.9	1370.5
GQ284402.1	555414	194.1	580.2	558.1	375.7	96.9	1802.3
GQ280120.1	540755	270.3	258.7	434.4	208.8	120.8	267.1
AY800557.1	108974	1266.4	1241.9	2647.7	2074.3	1794.0	1889.7
DQ923227.1	195199	15930.9	12046.8	6999.2	11473.9	13941.0	11933.5
FN395283.1	444287	13879.5	9718.8	9371.7	9370.4	4721.6	8736.5
EF443161.1	210305	2838.0	2538.5	2479.6	2625.4	3008.4	4394.6
EU870499.1	328563	14340.3	10634.1	12687.3	10395.1	11480.9	12532.7
GU125640.1	572932	10471.1	7012.1	17630.3	9442.9	7823.3	8448.9
FJ348039.1	349151	271.9	438.2	372.7	456.3	90.2	1454.7
EF433411.1	204383	379.2	474.0	1405.2	357.6	315.3	2529.3
GQ199736.1	578257	689.5	704.2	1157.4	343.4	237.8	2137.5
EU221673.1	240721	3850.8	2342.1	3179.8	3394.2	2854.6	4117.2
AY553096.1	104097	5016.8	4466.7	4262.9	5144.3	5176.2	7465.8
EF423607.1	215829	2068.7	2001.6	2146.2	778.7	5657.6	3800.4
AY559425.1	100403	3188.0	2864.5	2314.8	2174.5	2749.4	4501.4
EU882849.1	332567	1375.5	1313.1	790.7	303.1	550.6	575.4
EF488088.1	221995	652.1	755.6	1132.1	783.4	505.4	1951.0
AB196351.1	140945	2948.9	3541.5	1370.3	3215.5	2588.5	2921.0
AF286483.1	47807	4524.0	4592.8	1836.6	4274.6	585.0	2249.5
EU236746.1	245090	4376.1	5301.3	2522.3	3658.8	4373.9	5840.7
EF032676.1	180275	437.4	1024.9	969.6	625.2	907.7	2778.9
GU250447.1	558795	1161.6	1409.9	1496.1	518.0	1470.9	2437.7
FJ493042.1	564008	6116.9	5610.6	4121.6	4177.2	4952.7	7058.8
GQ903425.1	581826	5325.8	6218.1	5071.2	7364.5	8738.2	10050.6
FJ263042.1	357233	460.7	672.8	246.5	367.1	111.0	976.1
EU366373.1	258739	4741.1	4434.9	5186.1	6344.5	2519.1	4470.3
GU357825.1	527673	943.3	1028.7	1022.1	887.2	726.1	1346.9
EU113216.1	238662	45.5	241.9	79.8	91.6	56.8	852.9
EU146061.1	245167	121.6	526.3	806.0	192.3	380.8	2703.9
AY548949.1	106026	10801.4	12162.8	7135.7	11485.0	16606.1	13679.0
GQ375236.1	509935	9419.3	4819.2	5448.1	7198.7	1708.9	5555.7
DQ129874.2	138024	3001.9	1820.6	713.7	3336.3	638.6	646.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48679
s__unclassified	48683
s__unclassified	48685
s__unclassified	48688
s__unclassified	48690
s__unclassified	48691
s__unclassified	48696
s__unclassified	48697
s__unclassified	48698
s__unclassified	48700
s__unclassified	48702
s__unclassified	48704
s__unclassified	48705
s__unclassified	48707
s__unclassified	48708
s__unclassified	48709
s__unclassified	48710
s__unclassified	48715
s__unclassified	48717
s__unclassified	48718
s__unclassified	48722
s__unclassified	48725
s__unclassified	48727
s__unclassified	48730
s__unclassified	48736
s__unclassified	48738
s__unclassified	48739
s__unclassified	48748
s__unclassified	48750
s__unclassified	48754
s__unclassified	48756
s__unclassified	48758
s__unclassified	48759
s__unclassified	48761
s__unclassified	48763
s__unclassified	48764
s__unclassified	48765
s__unclassified	48766
s__unclassified	48767
s__unclassified	48772
s__unclassified	48776

EU884648.1 gg_id:304937 Bacillus subtilis str. BAYL-C
GU250449.1 gg_id:585373 Bacillus amyloliquefaciens str. BFE 5359
DQ171712.1 gg_id:138773 Bacillus licheniformis str. CICC10102
EF443162.1 gg_id:217035 Bacillus subtilis str. M6
GQ865643.1 gg_id:582673 Bacillus pumilus str. DSVP18
GQ903427.1 gg_id:585657 Bacillus pumilus str. XJSL5-8
EU375315.2 gg_id:261410 Bacillus sp. X3(2008) str. X3
FJ544352.1 gg_id:399468 Bacillus subtilis str. ji11
GQ375246.1 gg_id:549685 Bacillus licheniformis str. CICC 10337
AM910584.1 gg_id:274431 Bacillus licheniformis str. 51.2
FJ999940.1 gg_id:593581 Bacillus simplex str. EQH11
AF463535.1 gg_id:39686 Bacillus sp. str. HT-1
AY509230.1 gg_id:99234 Bacillus psychrosaccharolyticus str. S156
EU125187.1 gg_id:272944 Bacillus licheniformis str. BMIT5ii
FJ347756.1 gg_id:368332 Bacillus sp. str. NSPM
GQ375218.1 gg_id:537848 Bacillus amyloliquefaciens str. CICC 20606
FJ214667.1 gg_id:335938 Bacillus sp. C4(2008) str. C4
AM492159.1 gg_id:216815 Bacillus chaganniensis str. CG15
CP000813.1 gg_id:240416 Bacillus pumilus str. SAFR-032
AB177225.1 gg_id:132324 seafloor methane hydrate clone ODP1230B9.24
DQ071564.1 gg_id:132112 Bacillus licheniformis str. MKU 4
AM921636.1 gg_id:235520 Bacillus pumilus PhyCEm-225
EU221672.1 gg_id:249608 Bacillus subtilis BC
DQ395958.1 gg_id:151652 deep-sea octacoral clone ctg_CGOGA60
GQ246870.1 gg_id:578366 Bacillus pumilus str. DBTP
GQ284409.1 gg_id:572836 Bacillus barbaricus str. TSWCSN41
AJ880762.1 gg_id:112699 Bacillus licheniformis SMF6
AY839859.1 gg_id:110234 Bacillus licheniformis str. CICC10095
GQ903334.1 gg_id:576624 Bacillus licheniformis str. dhs-36
EF488974.1 gg_id:226769 Bacillus subtilis str. BL02
AB212862.2 gg_id:222987 Bacillus pumilus str. X-6-19
AY030339.1 gg_id:25131 Bacillus mojavensis str. KL-198
FN393815.1 gg_id:550274 Bacillus subtilis str. ES-257-2
EU231616.1 gg_id:251844 Bacillus subtilis str. TCCC17019
AY859478.1 gg_id:110687 Bacillus licheniformis str. CICC 10180
EF206294.1 gg_id:200660 Bacillus butanolivorans str. K9
EU169188.1 gg_id:249405 Bacillus subtilis str. B43
EU257700.1 gg_id:235782 Bacillus subtilis str. DC2-2 douchi
EF154254.1 gg_id:190953 Bacillus vallismortis str. 14
EU998983.1 gg_id:353815 Bacillus licheniformis str. 6A
EF423591.1 gg_id:204276 Bacillus subtilis str. F8712

EU884648.1	304937	265.9	775.6	454.1	463.9	803.6	1135.6
GU250449.1	585373	600.3	699.3	505.6	255.4	145.2	940.4
DQ171712.1	138773	850.1	1101.3	1103.7	1219.7	1258.3	3660.6
EF443162.1	217035	3172.5	3408.0	6448.3	3822.1	6473.0	7174.2
GQ865643.1	582673	2498.7	3577.8	3707.2	2123.3	10288.4	7962.6
GQ903427.1	585657	1028.7	1573.6	1227.2	1344.5	1198.5	2861.6
EU375315.2	261410	1110.4	442.7	1226.2	1439.4	252.6	354.6
FJ544352.1	399468	5960.7	5074.0	3560.4	7781.7	10396.4	8095.2
GQ375246.1	549685	431.3	330.9	1120.0	244.7	62.8	1045.5
AM910584.1	274431	123.9	142.1	177.1	108.1	77.7	494.9
FJ999940.1	593581	1369.1	2379.5	2988.8	920.8	872.9	2670.5
AF463535.1	39686	439.2	827.4	509.7	855.5	354.1	832.9
AY509230.1	99234	1985.2	1738.4	2594.9	3111.0	838.4	3303.7
EU125187.1	272944	11769.7	8927.0	9952.0	8774.7	9003.6	10999.8
FJ347756.1	368332	182.6	277.1	368.0	210.8	79.7	862.4
GQ375218.1	537848	727.0	843.9	624.0	293.0	180.3	2528.7
FJ214667.1	335938	672.0	835.4	1045.4	341.2	642.5	2588.0
AM492159.1	216815	39.9	50.1	111.3	69.9	66.4	43.9
CP000813.1	240416	4250.9	9424.0	5147.6	5474.1	5294.2	6446.0
AB177225.1	132324	4383.4	4161.5	2837.4	2474.3	3829.5	4795.1
DQ071564.1	132112	5255.4	4731.6	1590.0	4311.6	1206.5	3153.7
AM921636.1	235520	1668.0	2949.0	1174.8	1667.4	857.9	2902.9
EU221672.1	249608	5847.5	4411.2	6394.1	5644.0	4374.8	6871.0
DQ395958.1	151652	471.5	1004.0	604.6	1044.4	202.8	828.5
GQ246870.1	578366	6344.1	6483.0	8874.0	8239.6	2661.2	6007.2
GQ284409.1	572836	7395.2	7013.2	2093.8	8971.1	13861.7	11114.0
AJ880762.1	112699	8040.1	6973.3	4244.7	6428.7	7634.8	9696.9
AY839859.1	110234	2185.4	2424.2	2991.8	3186.8	241.3	2544.5
GQ903334.1	576624	430.4	860.4	552.9	327.7	1270.0	2167.1
EF488974.1	226769	1238.1	1649.1	1639.6	1776.6	1770.1	2604.5
AB212862.2	222987	1046.8	989.7	2107.9	1735.8	2418.7	3938.2
AY030339.1	25131	796.9	1098.8	687.1	269.7	687.1	2001.3
FN393815.1	550274	2034.2	2713.5	2028.9	2713.0	2664.2	3638.3
EU231616.1	251844	3796.9	3599.0	3174.3	3928.2	3974.6	4864.0
AY859478.1	110687	680.2	1106.8	1697.1	415.0	2008.8	6090.9
EF206294.1	200660	569.3	965.0	1641.7	999.5	2216.5	4341.1
EU169188.1	249405	1869.6	2197.8	1517.6	1738.9	1229.4	1615.2
EU257700.1	235782	609.4	553.6	522.7	287.1	223.1	666.1
EF154254.1	190953	540.7	490.9	372.6	255.4	210.3	741.2
EU998983.1	353815	473.3	644.4	1733.8	361.5	142.5	1003.2
EF423591.1	204276	17591.3	18060.7	8773.1	13441.6	18083.0	15604.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48777
s__unclassified	48779
s__unclassified	48782
s__unclassified	48783
s__unclassified	48784
s__unclassified	48789
s__unclassified	48791
s__unclassified	48792
s__unclassified	48794
s__unclassified	48797
s__unclassified	48803
s__unclassified	48804
s__unclassified	48805
s__unclassified	48808
s__unclassified	48809
s__unclassified	48811
s__unclassified	48814
s__unclassified	48817
s__unclassified	48819
s__unclassified	48821
s__unclassified	48822
s__unclassified	48823
s__unclassified	48824
s__unclassified	48825
s__unclassified	48827
s__unclassified	48829
s__unclassified	48831
s__unclassified	48837
s__unclassified	48842
s__unclassified	48846
s__unclassified	48847
s__unclassified	48851
s__unclassified	48857
s__unclassified	48859
s__unclassified	48860
s__unclassified	48861
s__unclassified	48862
s__unclassified	48864
s__unclassified	48866
s__unclassified	48870
s__unclassified	48871

NC_009725.1 gg_id:242700 Bacillus amyloliquefaciens str. FZB42
AM950305.1 gg_id:276225 Bacillus sp. DS16 HS-2008
EU417674.1 gg_id:269212 Bacillus sp. str. SK96
EU249564.1 gg_id:241389 Bacillus simplex str. TSG16
EU379282.1 gg_id:267587 Bacillus pumilus str. 4RS-5b
EU240444.1 gg_id:256716 Bacillus simplex str. B163
EF445124.1 gg_id:211839 Bacillus subtilis str. 361
AY017347.1 gg_id:45517 Bacillus licheniformis str. S86
AY842876.1 gg_id:110159 Bacillus licheniformis str. CICC10092
EU815066.1 gg_id:309278 Bacillus subtilis str. W-9
EF473131.1 gg_id:221106 Bacillus amyloliquefaciens qd128
X92168.1 gg_id:23919 Lake Nakuru isolate 17N1
EF465458.1 gg_id:204167 Bacillus pumilus SF4
AY289504.1 gg_id:100575 Bacillus sp. IDA4917
AY167806.1 gg_id:77320 Bacillus licheniformis str. SAFN-031
AY310301.1 gg_id:88830 Bacillus subtilis str. BGSC 3A23
DQ118380.1 gg_id:136466 Bacillus licheniformis str. CICC 10108
AY279209.2 gg_id:84256 Bacillus subtilis str. IBT015
EF154251.1 gg_id:174393 Bacillus pumilus str. 11
FJ976551.1 gg_id:589522 Bacillus pumilus str. LCR42
GQ375242.1 gg_id:510128 Bacillus licheniformis str. CICC 10332
EU257698.1 gg_id:245711 Bacillus subtilis str. F2 air-dry sausage
GQ161967.1 gg_id:593815 Bacillus subtilis str. CRB115
FJ808722.1 gg_id:523101 Bacillus pumilus str. P130
EF032670.1 gg_id:196868 Bacillus pumilus str. AU4
EU249557.1 gg_id:245633 Bacillus firmus str. TSG18
AY973269.1 gg_id:118000 Bacillus subtilis str. 233
DQ017585.1 gg_id:137335 Bacillus subtilis str. YYW-1
EU927415.1 gg_id:324060 Bacillus aquimaris str. 44-B-6A
FJ897775.1 gg_id:574392 Bacillus sp. str. BH85065-2
EU334011.1 gg_id:274097 Bacillus licheniformis str. YDGW10
D55731.1 gg_id:14700 Bacillus sp str. IFO12605
AY289499.1 gg_id:105173 Bacillus sp. IDA4789
AF423249.1 gg_id:54667 soil clone 335-1
EU870512.1 gg_id:329259 Bacillus licheniformis str. Sua-BAC017
AY260864.1 gg_id:86314 Bacillus pumilus str. WN691
GU248527.1 gg_id:539532 Bacillus subtilis str. xw86
AB301023.1 gg_id:256868 Bacillus subtilis str. GH54
AB301007.1 gg_id:238380 Bacillus licheniformis str. GH10
AY887129.1 gg_id:112394 Bacillus licheniformis str. AnBa7
FJ392729.1 gg_id:357844 Bacillus subtilis str. M3-7

NC_009725.1	242700	1155.2	1404.3	1478.3	515.3	1258.8	2286.8
AM950305.1	276225	2587.1	2605.4	2932.0	1440.7	2572.0	2287.9
EU417674.1	269212	75.0	245.3	179.7	130.0	233.0	691.2
EU249564.1	241389	1579.4	1800.3	3349.0	1522.3	1483.3	1312.1
EU379282.1	267587	1098.4	1363.9	1309.1	1594.0	887.1	2739.2
EU240444.1	256716	4401.3	7748.4	10322.9	4178.9	4196.9	5294.8
EF445124.1	211839	644.1	885.7	566.6	250.1	1003.6	1692.1
AY017347.1	45517	147.0	548.3	457.2	185.3	143.9	1103.9
AY842876.1	110159	480.1	888.4	1211.7	652.1	561.8	3484.9
EU815066.1	309278	1041.8	1290.1	1241.5	534.7	412.3	2108.0
EF473131.1	221106	1378.2	1365.6	561.9	441.6	303.9	441.0
X92168.1	23919	75.1	468.7	276.0	206.0	215.9	364.2
EF465458.1	204167	2683.9	2836.9	2637.1	3261.4	2149.0	4898.1
AY289504.1	100575	724.9	1477.2	1159.9	698.2	472.6	1916.0
AY167806.1	77320	14299.4	11140.3	6950.2	6556.4	8675.5	7968.8
AY310301.1	88830	493.5	482.0	145.8	76.7	72.7	96.1
DQ118380.1	136466	545.9	877.9	736.7	432.7	151.8	2440.7
AY279209.2	84256	847.1	731.7	381.3	198.6	236.9	119.6
EF154251.1	174393	1473.8	2066.1	2113.9	1676.2	863.1	3101.0
FJ976551.1	589522	1345.5	2107.5	1249.5	1716.7	1458.3	2638.6
GQ375242.1	510128	704.2	477.9	1580.9	269.4	127.4	1169.0
EU257698.1	245711	897.7	1116.6	534.3	308.2	208.6	1403.5
GQ161967.1	593815	3363.8	2756.8	3312.0	3463.8	2925.4	5285.3
FJ808722.1	523101	5544.7	6386.3	5595.2	6261.4	9210.6	8424.7
EF032670.1	196868	1455.5	3539.1	3314.1	2154.1	2137.3	4173.7
EU249557.1	245633	325.0	538.8	988.4	496.0	621.3	1861.8
AY973269.1	118000	700.8	1138.2	996.7	348.5	193.1	1724.9
DQ017585.1	137335	12802.2	14059.9	12014.3	11421.9	12946.9	12027.2
EU927415.1	324060	7160.9	6746.0	5266.5	7105.0	5071.5	5733.4
FJ897775.1	574392	2282.7	2485.8	1880.7	2866.5	1512.6	3263.3
EU334011.1	274097	335.0	325.8	969.8	252.6	82.9	1585.1
D55731.1	14700	518.0	825.4	570.6	467.3	97.3	1592.0
AY289499.1	105173	138.1	282.2	468.8	357.5	143.0	774.2
AF423249.1	54667	2140.9	2359.7	640.0	495.2	537.7	1493.9
EU870512.1	329259	264.1	425.5	288.8	233.5	91.9	1859.9
AY260864.1	86314	302.6	724.5	394.9	283.7	80.5	802.6
GU248527.1	539532	641.2	892.0	1296.2	804.9	505.0	2455.4
AB301023.1	256868	3876.5	3215.6	4154.4	3583.5	7549.7	8622.7
AB301007.1	238380	4358.8	2848.6	4245.8	3997.9	2410.5	4150.0
AY887129.1	112394	563.2	790.5	1519.5	433.2	1942.5	3729.7
FJ392729.1	357844	467.9	472.9	1368.9	263.7	248.9	336.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48873
s__unclassified	48876
s__unclassified	48877
s__unclassified	48881
s__unclassified	48884
s__unclassified	48885
s__unclassified	48892
s__unclassified	48894
s__unclassified	48895
s__unclassified	48896
s__unclassified	48898
s__unclassified	48900
s__unclassified	48901
s__unclassified	48902
s__unclassified	48905
s__unclassified	48906
s__unclassified	48907
s__unclassified	48908
s__unclassified	48911
s__unclassified	48917
s__unclassified	48922
s__unclassified	48923
s__unclassified	48926
s__unclassified	48930
s__unclassified	48932
s__unclassified	48934
s__unclassified	48936
s__unclassified	48939
s__unclassified	48951
s__unclassified	48952
s__unclassified	48955
s__unclassified	48956
s__unclassified	48960
s__unclassified	48965
s__unclassified	48966
s__unclassified	48968
s__unclassified	48970
s__unclassified	48972
s__unclassified	48973
s__unclassified	48974
s__unclassified	48975

DQ988132.1 gg_id:198129 Bacillus subtilis str. BBDC2
AB301001.1 gg_id:243574 Bacillus subtilis str. GH2
EU231617.1 gg_id:244216 Bacillus acidicola str. TCCC27037
GU145315.1 gg_id:589461 Bacillus subtilis str. RKY3
EU661867.1 gg_id:285357 Bacillus subtilis str. AI03
EU620417.1 gg_id:278447 Bacillus pumilus str. S8-10
DQ870728.1 gg_id:221671 Bacillus aquimaris str. JSCtot9-1
AM503357.2 gg_id:206445 Bacillus isabelae str. CVS-8
DQ514314.1 gg_id:160961 Bacillus simplex str. S11-10
FJ808723.1 gg_id:515692 Bacillus licheniformis str. P151
GQ903412.1 gg_id:538186 Bacillus licheniformis str. XJSL4-3
DQ301917.1 gg_id:141159 Bacillus subtilis str. D-2
GQ280015.1 gg_id:535278 Bacillus subtilis str. BJ-5
EU500931.1 gg_id:272221 Bacillus subtilis str. KE4
EU240380.1 gg_id:239820 Bacillus simplex str. B145
AB255669.1 gg_id:188072 Bacillus amyloliquefaciens str. NBRC 15535
DQ304792.1 gg_id:156221 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert India root clone C1
EU249569.1 gg_id:256648 Bacillus sp. str. DFVB9
GQ280065.1 gg_id:536545 Bacillus licheniformis str. BJ-55
AB115958.1 gg_id:91214 Bacillus subtilis str. KT1002
EU071552.1 gg_id:254454 Bacillus licheniformis str. EHFS1_S05Tc
GQ284399.1 gg_id:582369 Bacillus sp. str. TSWCS8
EF517120.1 gg_id:217470 Bacillus subtilis str. JKC-14
DQ005495.1 gg_id:127584 Bacillus subtilis str. CICC10161
FJ189796.1 gg_id:537941 Bacillus licheniformis str. NSB09
FJ973542.1 gg_id:386703 Bacillus subtilis str. NBPP61 D29
GQ280115.1 gg_id:583475 Bacillus pumilus str. JS-45
EU686584.1 gg_id:289648 Bacillus subtilis str. MZ-2
GQ903413.1 gg_id:579394 Bacillus licheniformis str. XJSL4-4
EF472266.1 gg_id:223519 Bacillus subtilis str. LQ20
EU022584.1 gg_id:250285 Bacillus subtilis str. LC
GQ892930.1 gg_id:528429 Bacillus subtilis str. HUB-I-047
AM913941.1 gg_id:383122 Bacillus sp. L91
DQ988133.1 gg_id:177390 Bacillus subtilis str. BBDC3
GQ494019.1 gg_id:539433 Bacillus subtilis str. ZY62
DQ071561.1 gg_id:128287 Bacillus licheniformis str. MKU 2
EU195328.1 gg_id:252452 Bacillus subtilis str. C4
EU236744.1 gg_id:251949 Bacillus mojavensis str. Z16
EU874879.1 gg_id:320927 Bacillus pumilus W108
EF492885.1 gg_id:218979 Bacillus subtilis str. B3
AY260862.1 gg_id:82886 Bacillus pumilus str. WN693

DQ988132.1	198129	892.6	879.6	1105.4	948.5	673.0	1882.0
AB301001.1	243574	1974.5	2815.1	1724.6	2017.7	2754.6	5066.4
EU231617.1	244216	1016.3	1040.2	1305.7	730.9	1544.4	3308.7
GU145315.1	589461	4623.2	4036.6	4315.7	4350.0	3660.7	5720.5
EU661867.1	285357	10787.2	13770.1	6010.8	7878.1	12239.4	10853.5
EU620417.1	278447	1020.4	1695.2	2016.3	668.7	1770.6	2976.0
DQ870728.1	221671	1475.6	1191.3	1386.9	1689.0	1732.5	2333.7
AM503357.2	206445	270.7	392.3	243.0	154.2	219.0	481.1
DQ514314.1	160961	153.5	309.0	317.4	176.5	98.0	1248.6
FJ808723.1	515692	926.0	1031.2	3090.6	1703.2	1665.0	1600.7
GQ903412.1	538186	2419.4	1402.4	3097.1	1909.8	3501.3	3097.6
DQ301917.1	141159	4608.2	4224.5	4522.0	4293.8	4744.6	5453.7
GQ280015.1	535278	267.0	498.2	442.2	280.0	231.1	364.7
EU500931.1	272221	4733.7	4464.6	1733.0	5241.1	7658.6	6951.8
EU240380.1	239820	1100.0	1676.5	2359.2	789.9	1025.9	2767.6
AB255669.1	188072	1363.7	1492.3	531.6	200.3	902.4	704.5
DQ304792.1	156221	5646.4	5236.2	1674.6	4374.4	1778.6	3241.8
EU249569.1	256648	282.6	308.8	591.4	339.2	125.2	1127.8
GQ280065.1	536545	89.8	194.5	252.3	97.0	121.8	702.7
AB115958.1	91214	12694.4	13322.8	9899.5	11940.3	12852.1	13861.5
EU071552.1	254454	77.0	123.1	300.7	104.0	81.0	1807.3
GQ284399.1	582369	1162.2	1845.3	462.1	1133.9	749.6	2794.3
EF517120.1	217470	7754.4	9854.3	6346.8	7634.9	17414.8	12636.9
DQ005495.1	127584	1308.1	1398.4	636.2	535.2	995.0	1633.3
FJ189796.1	537941	315.7	652.8	598.0	372.4	132.3	1834.2
FJ973542.1	386703	3012.4	2071.2	2760.9	2635.9	2062.0	3450.7
GQ280115.1	583475	1824.9	2656.5	1582.1	1255.9	3871.5	3359.7
EU686584.1	289648	746.7	973.1	867.1	301.9	829.0	1888.2
GQ903413.1	579394	2110.6	1970.2	1942.3	1560.3	1321.2	1482.5
EF472266.1	223519	1617.9	1977.3	1721.9	1637.7	3532.3	3108.1
EU022584.1	250285	7683.6	5807.2	7597.4	7613.6	7075.4	8665.3
GQ892930.1	528429	539.2	706.4	585.8	287.4	158.3	1032.3
AM913941.1	383122	2967.9	5552.1	7680.4	2435.4	2626.9	3196.3
DQ988133.1	177390	5792.7	6509.6	7283.7	7159.8	5503.3	6373.3
GQ494019.1	539433	1348.7	1923.5	1580.4	830.5	687.3	3263.2
DQ071561.1	128287	526.2	557.7	703.6	1910.3	1116.5	3556.7
EU195328.1	252452	890.5	1073.5	888.5	684.8	447.0	1778.7
EU236744.1	251949	1539.1	1672.2	1561.4	1752.4	943.5	2569.8
EU874879.1	320927	800.1	1713.3	2705.2	547.3	715.9	1741.9
EF492885.1	218979	1173.7	1196.1	322.1	167.0	253.7	837.2
AY260862.1	82886	305.1	733.5	370.8	303.0	80.0	1218.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	48981
s__unclassified	48984
s__unclassified	48986
s__unclassified	48987
s__unclassified	48990
s__unclassified	48991
s__unclassified	48993
s__unclassified	48996
s__unclassified	48999
s__unclassified	49008
s__unclassified	49012
s__unclassified	49016
s__unclassified	49019
s__unclassified	49022
s__unclassified	49024
s__unclassified	49027
s__unclassified	49028
s__unclassified	49031
s__unclassified	49034
s__unclassified	49037
s__unclassified	49038
s__unclassified	49040
s__unclassified	49048
s__unclassified	49050
s__unclassified	49051
s__unclassified	49052
s__unclassified	49054
s__unclassified	49057
s__unclassified	49062
s__unclassified	49063
s__unclassified	49064
s__unclassified	49065
s__unclassified	49066
s__unclassified	49068
s__unclassified	49069
s__unclassified	49072
s__unclassified	49073
s__unclassified	49076
s__unclassified	49079
s__unclassified	49080
s__unclassified	49082

EU167543.1 gg_id:235550 Bacillus pumilus str. ST267
EU366385.1 gg_id:273061 Bacillus subtilis str. IV8
AJ494727.1 gg_id:63747 Bacillus pumilus EI-24-10
DQ846632.1 gg_id:172881 Bacillus subtilis str. JK-1
X70312.1 gg_id:14666 Bacillus macroides str. NCDO 1661
AY833099.1 gg_id:110581 Bacillus simplex Ph18
DQ129451.1 gg_id:138120 microarray level air two cities Texas urban aerosol clone AKIW1072
FJ999562.1 gg_id:398862 Bacillus arsenicus str. HLSB43
AY162129.1 gg_id:76813 Bacillus subtilis str. WP1-21
DQ129441.1 gg_id:138452 microarray level air two cities Texas urban aerosol clone AKIW750
DQ129494.1 gg_id:189584 microarray level air two cities Texas urban aerosol clone AKIW837
AM888178.1 gg_id:239470 Bacillus sp. str. TSWCSN2
GU397397.1 gg_id:523649 Bacillus pumilus str. H4
AJ494732.1 gg_id:63740 Bacillus pumilus EI-31-12
AB300800.1 gg_id:255945 Bacillus subtilis str. ND1
AJ494729.1 gg_id:63744 Bacillus pumilus EI-26-5
AY647307.1 gg_id:104302 Bacillus aquimaris str. MSU1110
EU231620.1 gg_id:257555 Bacillus subtilis str. TCCC11002
AB301016.1 gg_id:254047 Bacillus subtilis str. GHGH1
AB536966.1 gg_id:536973 Bacillus sp. str. MB142
AB547220.1 gg_id:517018 Bacillus nealsonii str. NCCP-28
GQ199594.1 gg_id:584451 Bacillus subtilis str. DMJS-2-1
AY740598.1 gg_id:100517 Bacillus pumilus str. 115b
EU620418.1 gg_id:279135 Bacillus pumilus str. S8-11
DQ005494.1 gg_id:122715 Bacillus subtilis str. CICC10156
GQ470396.1 gg_id:590065 Bacillus pumilus str. DQgbc1
EU071546.1 gg_id:236711 Bacillus atrophaeus str. EHFS1_S11Hb
FJ393319.1 gg_id:366264 Bacillus subtilis str. TCCC11377
AY030332.1 gg_id:40827 Bacillus subtilis str. KL-120
AB301012.1 gg_id:236191 Bacillus subtilis str. GH41
EU869232.1 gg_id:340981 Bacillus subtilis str. CM-B94
EU366372.1 gg_id:262423 Bacillus subtilis str. IV2
FJ999558.1 gg_id:416262 Bacillus pumilus str. HLSB33
FJ966221.1 gg_id:576226 Bacillus subtilis str. Bio AA3
EF101735.1 gg_id:187170 Bacillus licheniformis str. HU53
DQ351930.2 gg_id:147897 Bacillus licheniformis str. K10
AY219900.1 gg_id:83777 Bacillus subtilis
EF101707.1 gg_id:177700 Bacillus subtilis str. HU48
EU293872.1 gg_id:253939 Bacillus licheniformis str. ER-15
AY162126.1 gg_id:76500 Bacillus subtilis str. GA1-5
DQ187380.1 gg_id:140126 Brevibacterium halotolerans

EU167543.1	235550	1207.4	1753.3	1823.4	1714.9	857.6	3709.7
EU366385.1	273061	13087.0	14472.3	7184.4	11432.1	9654.5	9133.6
AJ494727.1	63747	153.9	430.4	850.2	251.1	86.6	2428.6
DQ846632.1	172881	750.6	850.9	480.4	540.3	198.1	1796.3
X70312.1	14666	213.3	206.2	279.3	172.5	117.9	1400.4
AY833099.1	110581	557.1	868.6	1760.4	470.4	658.3	1684.9
DQ129451.1	138120	351.8	752.4	1454.6	984.4	446.9	1362.2
FJ999562.1	398862	2549.7	3965.7	1663.0	1198.1	1307.7	1644.1
AY162129.1	76813	718.4	1227.7	1280.5	431.3	2305.3	2491.3
DQ129441.1	138452	1710.7	1536.9	2483.3	1948.5	799.2	3911.3
DQ129494.1	189584	67.8	342.4	138.2	69.7	55.6	360.7
AM888178.1	239470	449.8	684.5	350.9	245.1	221.0	935.9
GU397397.1	523649	7403.9	6913.5	4580.1	5786.5	6783.5	7623.4
AJ494732.1	63740	1093.8	1914.0	1466.9	1394.5	1170.0	3478.7
AB300800.1	255945	510.0	839.1	994.4	348.5	1104.6	2239.2
AJ494729.1	63744	731.4	1488.7	1063.5	428.0	1304.8	2061.0
AY647307.1	104302	1970.1	2250.9	2249.7	1275.3	980.5	3024.7
EU231620.1	257555	5403.2	5769.9	4212.7	4977.3	5210.8	5710.2
AB301016.1	254047	6068.9	5325.2	6399.7	7483.2	5690.6	7308.1
AB536966.1	536973	493.5	1800.8	694.8	460.3	2103.3	2289.9
AB547220.1	517018	183.7	434.6	642.9	141.1	158.2	987.9
GQ199594.1	584451	211.9	392.1	418.7	224.4	103.0	1095.5
AY740598.1	100517	3336.6	5002.6	4408.6	3717.3	7489.2	5943.5
EU620418.1	279135	16970.4	20899.0	8587.5	14658.5	22546.7	16630.4
DQ005494.1	122715	1554.7	2110.4	1686.9	1927.9	1695.1	2571.0
GQ470396.1	590065	855.4	1094.1	1091.3	632.6	357.7	2070.4
EU071546.1	236711	228.8	414.2	468.3	251.2	138.9	937.6
FJ393319.1	366264	462.0	526.6	992.7	364.5	259.3	913.0
AY030332.1	40827	2374.1	1949.4	862.9	1697.0	3964.4	3265.9
AB301012.1	236191	841.7	1073.9	1643.3	1161.7	1166.7	2835.5
EU869232.1	340981	1240.1	1644.5	1638.7	1778.4	1772.3	2559.2
EU366372.1	262423	1259.0	1847.5	1672.1	1527.9	1685.0	2565.7
FJ999558.1	416262	180.2	631.7	694.6	211.6	93.2	1583.7
FJ966221.1	576226	773.7	972.6	1060.4	446.7	1118.1	2271.3
EF101735.1	187170	253.8	334.4	962.7	340.3	187.3	2758.9
DQ351930.2	147897	80.8	97.6	338.1	144.4	147.0	3157.3
AY219900.1	83777	4002.8	4496.6	983.4	1807.5	3582.4	3878.6
EF101707.1	177700	666.6	846.3	1163.8	534.6	413.7	2131.3
EU293872.1	253939	895.9	704.2	885.1	520.8	417.9	953.1
AY162126.1	76500	491.8	665.9	912.9	648.4	980.2	1815.0
DQ187380.1	140126	3585.5	2717.9	3303.9	3271.8	2838.9	5119.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49084
s__unclassified	49088
s__unclassified	49092
s__unclassified	49093
s__unclassified	49096
s__unclassified	49097
s__unclassified	49098
s__unclassified	49100
s__unclassified	49102
s__unclassified	49103
s__unclassified	49107
s__unclassified	49108
s__unclassified	49109
s__unclassified	49110
s__unclassified	49111
s__unclassified	49117
s__unclassified	49122
s__unclassified	49123
s__unclassified	49124
s__unclassified	49126
s__unclassified	49129
s__unclassified	49132
s__unclassified	49135
s__unclassified	49138
s__unclassified	49142
s__unclassified	49144
s__unclassified	49146
s__unclassified	49148
s__unclassified	49149
s__unclassified	49150
s__unclassified	49151
s__unclassified	49158
s__unclassified	49159
s__unclassified	49160
s__unclassified	49163
s__unclassified	49166
s__unclassified	49167
s__unclassified	49168
s__unclassified	49170
s__unclassified	49171
s__unclassified	49172

FJ436014.1 gg_id:561239 Bacillus polyfermenticus str. CJ6
DQ071266.1 gg_id:136981 Bacillus subtilis str. CICC 10159
FN646073.1 gg_id:528869 Staphylococcus felis 302
AM293677.1 gg_id:253708 Bacillus subtilis str. PTA-271
EF672040.1 gg_id:242290 Bacillus atrophaeus str. XJU
GU071204.1 gg_id:549335 Bacillus sp. str. DIT 16
DQ299293.1 gg_id:146304 Bacillus sp. str. Eg3
AJ277905.1 gg_id:17874 Bacillus subtilis str. Lactipan
GQ280079.1 gg_id:590719 Bacillus subtilis str. JS-9
GU549439.1 gg_id:521130 Bacillus amyloliquefaciens str. 5YN8
FJ577678.1 gg_id:542902 Bacillus safensis str. B1-2
EF032679.1 gg_id:177267 Bacillus pumilus str. AU39
GQ131307.1 gg_id:430388 Bacillus sp. str. DJ-1C
EU624438.1 gg_id:280180 Bacillus aquimaris str. S6-14
EU660369.1 gg_id:287551 Bacillus pumilus str. CT19
FJ897770.1 gg_id:577536 Bacillus sp. str. HU28.1
X76444.1 gg_id:14499 Bacillus species
EU336956.1 gg_id:241285 Bacillus subtilis str. LZ-70
DQ408586.1 gg_id:156458 Bacillus licheniformis str. DZ023
EU870498.1 gg_id:326932 Bacillus subtilis str. Sua-BAC001
FJ481961.1 gg_id:570763 Bacillus pumilus str. K12
AF492486.1 gg_id:58334 Bacillus licheniformis str. N1
GQ303255.1 gg_id:589582 Bacillus subtilis str. ME-N11
FJ493055.1 gg_id:563925 Bacillus subtilis str. T-2
AB539824.1 gg_id:592862 Bacillus sp. str. SAD5-1
EU927408.1 gg_id:303436 Bacillus aquimaris str. 8-N60
EU430991.1 gg_id:262130 Bacillus sporothermodurans 19
AB305270.1 gg_id:234885 Bacillus subtilis str. YS1-4
AJ863174.1 gg_id:125463 poplar tree microcosm bulk soil unflooded clone 20BSU58
AB196350.1 gg_id:140905 Bacillus licheniformis str. PS2
EU656111.1 gg_id:281486 Bacillus nealsonii str. DSM 15077
EU466040.1 gg_id:289634 African elephant feces clone AFEL3_aao16e01
GQ214132.1 gg_id:580418 Bacillus subtilis str. C8K1
DQ837547.1 gg_id:165976 Bacillus pumilus str. XJU-4
EF528284.1 gg_id:225373 Bacillus pumilus str. CICCHLJ Q68
EU373428.1 gg_id:269485 Bacillus subtilis str. YRR03
EU379297.1 gg_id:266973 Bacillus pumilus str. 6J-4c
FJ686821.1 gg_id:559334 Bacillus pumilus str. LB4
AY897211.1 gg_id:111931 Bacillus subtilis str. ZJY-116
AJ628743.1 gg_id:100629 Bacillus simplex str. LMG 11160
EU231625.1 gg_id:251346 Bacillus pumilus str. TCCC11012

FJ436014.1	561239	468.2	362.0	1294.3	199.2	72.4	666.3
DQ071266.1	136981	6580.8	4778.8	4281.0	5148.1	2743.9	4419.4
FN646073.1	528869	1615.0	1924.8	958.8	565.7	1078.0	1847.6
AM293677.1	253708	1690.5	1964.4	1245.9	1852.7	1115.6	1897.7
EF672040.1	242290	3964.4	2163.8	1588.6	1705.8	2192.6	2305.0
GU071204.1	549335	3626.8	2900.5	1210.2	3495.1	6153.2	4542.9
DQ299293.1	146304	10178.5	10166.4	8112.7	8601.3	10194.2	9822.8
AJ277905.1	17874	537.6	863.7	956.6	1359.5	503.9	1490.2
GQ280079.1	590719	10998.6	7847.5	4695.0	7095.6	11209.9	9663.1
GU549439.1	521130	1077.3	1406.2	1476.5	516.3	1356.0	2124.9
FJ577678.1	542902	1160.9	1674.9	1536.4	1635.6	836.6	3252.7
EF032679.1	177267	11576.0	12536.1	9163.1	10104.3	10261.0	10221.2
GQ131307.1	430388	1126.7	1145.4	863.6	851.0	1536.8	4508.9
EU624438.1	280180	47.7	51.1	28.2	79.8	118.3	470.2
EU660369.1	287551	2011.9	2683.4	1881.2	1948.3	2567.8	2613.0
FJ897770.1	577536	3823.1	2974.9	3527.0	1850.3	4171.3	5924.5
X76444.1	14499	962.6	1146.3	1510.8	1338.4	157.0	1916.7
EU336956.1	241285	5624.5	4075.6	6270.1	5465.6	4334.5	6052.9
DQ408586.1	156458	83.7	174.3	180.7	180.0	81.4	817.1
EU870498.1	326932	4401.8	3882.1	4284.9	5150.3	5524.4	8190.0
FJ481961.1	570763	456.9	454.6	1136.9	374.4	123.1	586.7
AF492486.1	58334	547.7	851.2	1583.5	659.2	1484.1	5492.5
GQ303255.1	589582	11816.8	10171.1	11482.7	11628.7	10615.1	11418.7
FJ493055.1	563925	80.8	207.5	146.0	113.1	446.0	988.7
AB539824.1	592862	5036.2	5638.5	2725.3	6411.8	3704.9	4025.7
EU927408.1	303436	4742.0	5141.3	3972.7	5031.6	2941.4	5282.1
EU430991.1	262130	7917.2	5457.2	6598.7	5684.2	5832.3	4832.3
AB305270.1	234885	3584.4	2996.3	3259.8	3448.5	3315.4	5406.9
AJ863174.1	125463	4910.9	3826.8	3945.5	3775.2	2113.2	2973.2
AB196350.1	140905	1535.7	2036.7	1189.7	796.8	2096.8	1941.3
EU656111.1	281486	275.1	836.5	981.3	324.3	162.2	1689.0
EU466040.1	289634	101.5	251.9	334.9	102.1	522.0	209.3
GQ214132.1	580418	5059.9	5392.5	3321.0	5098.5	5940.0	5790.9
DQ837547.1	165976	922.7	1352.1	1028.2	652.1	703.7	2386.9
EF528284.1	225373	12562.4	12972.4	9388.3	10511.3	10609.2	10082.3
EU373428.1	269485	3160.3	4214.5	3468.2	3694.4	4136.5	6311.2
EU379297.1	266973	607.8	1063.8	1338.7	591.7	329.3	2192.8
FJ686821.1	559334	1111.1	1363.8	1392.6	1868.3	934.5	3434.2
AY897211.1	111931	96.3	310.3	36.4	89.8	244.8	267.2
AJ628743.1	100629	532.8	755.9	1725.2	415.9	704.7	1252.4
EU231625.1	251346	622.5	992.7	960.7	582.5	669.8	2059.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49173
s__unclassified	49174
s__unclassified	49177
s__unclassified	49178
s__unclassified	49180
s__unclassified	49186
s__unclassified	49187
s__unclassified	49188
s__unclassified	49189
s__unclassified	49192
s__unclassified	49193
s__unclassified	49195
s__unclassified	49199
s__unclassified	49200
s__unclassified	49202
s__unclassified	49204
s__unclassified	49205
s__unclassified	49207
s__unclassified	49208
s__unclassified	49214
s__unclassified	49218
s__unclassified	49222
s__unclassified	49225
s__unclassified	49227
s__unclassified	49230
s__unclassified	49231
s__unclassified	49232
s__unclassified	49233
s__unclassified	49234
s__unclassified	49235
s__unclassified	49238
s__unclassified	49240
s__unclassified	49244
s__unclassified	49246
s__unclassified	49248
s__unclassified	49252
s__unclassified	49255
s__unclassified	49256
s__unclassified	49258
s__unclassified	49259
s__unclassified	49262

EU870513.1 gg_id:333273 Bacillus subtilis str. Sua-BAC018
GU138100.1 gg_id:571292 Bacillus subtilis str. MR2
EF517119.1 gg_id:220699 Bacillus subtilis str. JKC-15
EF032674.1 gg_id:176573 Bacillus pumilus str. AU17
AM910585.1 gg_id:261687 Bacillus licheniformis str. 51.5
AB501113.1 gg_id:591355 Bacillus subtilis str. A97
EU784137.1 gg_id:323453 Bacillus pumilus str. UFPEDA 831
EU334513.1 gg_id:256128 Bacillus subtilis str. MB2
EU124567.1 gg_id:253035 Bacillus sp. str. OSS 35
EF092296.1 gg_id:194972 Bacillus subtilis str. P15
EU869262.1 gg_id:314615 Bacillus licheniformis str. BG-B63
GU216260.1 gg_id:583592 Bacillus licheniformis str. KIBGE-IB3
DQ395951.1 gg_id:155447 deep-sea octacoral clone ctg_CGOGA45
GQ284513.1 gg_id:571436 Bacillus barbaricus str. TDSAS2-8
EF672042.1 gg_id:248821 Bacillus pumilus str. XJU-7
AY167810.1 gg_id:77436 Bacillus sp. str. SAFN-020
AY971366.1 gg_id:115233 Bacillus subtilis str. CICC10155
AF008220.1 gg_id:14713 Bacillus subtilis
EU294410.1 gg_id:237176 Bacillus subtilis str. JT1 sullage
DQ118016.1 gg_id:201755 Bacillus pumilus str. RGR7
EU231630.1 gg_id:243969 Bacillus subtilis str. TCCC11021
EU257430.1 gg_id:248624 Bacillus subtilis SCS-4
EU231624.1 gg_id:243661 Bacillus pumilus str. TCCC11010
CP000560.1 gg_id:254749 Bacillus amyloliquefaciens str. FZB42
DQ779883.1 gg_id:169545 Bacillus subtilis str. PCL1608
GU549437.1 gg_id:522910 Bacillus amyloliquefaciens str. 5YN11
EU624321.1 gg_id:278645 Bacillus subtilis str. 81-4
EF101728.1 gg_id:177609 Bacillus subtilis str. GB13
DQ129260.1 gg_id:138122 microarray level air two cities Texas urban aerosol clone AKIW777
EF113957.1 gg_id:239695 Bacillus pumilus str. CBS
AB301013.1 gg_id:236388 Bacillus subtilis str. GH44
EU071564.1 gg_id:238526 Bacillus subtilis str. EHFS1_S02Hb
DQ071563.1 gg_id:136355 Bacillus licheniformis str. MKU 10
DQ071567.1 gg_id:137349 Bacillus licheniformis str. MKU 6
EF522792.1 gg_id:223765 Bacillus subtilis str. 094513
EU627588.1 gg_id:279531 Bacillus subtilis str. HU87.1
DQ988131.1 gg_id:195533 Bacillus subtilis str. BBDC1
AY462216.1 gg_id:110763 Bacillus subtilis str. DF60
EF191246.1 gg_id:225197 Bacillus simplex str. LMA_UVh1
ABRX01000004.1 gg_id:319639 Bacillus pumilus str. ATCC 7061
EU231614.1 gg_id:254702 Bacillus subtilis str. TCCC17017

EU870513.1	333273	4977.1	4140.4	4253.8	5132.0	5166.0	8024.2
GU138100.1	571292	12365.6	11215.1	6792.6	11816.9	11289.7	9195.5
EF517119.1	220699	1850.3	2843.3	1278.5	1495.1	4232.0	4251.7
EF032674.1	176573	700.9	1462.2	1095.0	430.9	735.5	3040.4
AM910585.1	261687	6289.6	5659.5	1683.1	5179.9	7675.3	6139.8
AB501113.1	591355	1384.4	1372.0	824.4	335.4	522.7	1050.1
EU784137.1	323453	627.6	1170.3	828.9	815.5	929.9	2554.3
EU334513.1	256128	403.0	599.9	301.4	89.0	52.3	922.6
EU124567.1	253035	2470.1	2878.6	2819.1	2268.4	7094.9	6009.6
EF092296.1	194972	6506.0	4569.1	6414.6	6113.4	3837.1	5190.4
EU869262.1	314615	421.3	902.8	1280.3	655.5	614.5	3367.0
GU216260.1	583592	2276.9	2684.7	2419.9	2316.0	2783.6	4270.3
DQ395951.1	155447	836.1	1187.6	2232.1	1179.3	3784.2	4007.8
GQ284513.1	571436	7198.1	6284.7	3553.2	7018.1	10052.6	9286.4
EF672042.1	248821	1771.3	2858.4	1955.8	2880.3	1507.1	3026.7
AY167810.1	77436	3486.0	3129.1	1048.8	2842.6	1087.4	1815.7
AY971366.1	115233	12017.6	10595.0	9914.7	11014.5	7178.7	8956.7
AF008220.1	14713	1861.1	2776.4	832.8	1247.6	578.7	1613.8
EU294410.1	237176	705.0	843.5	982.0	334.0	189.6	2199.5
DQ118016.1	201755	81.7	168.8	285.1	139.1	148.9	706.4
EU231630.1	243969	103.4	250.0	291.5	153.9	80.1	2164.9
EU257430.1	248624	1875.4	1515.6	2182.2	2592.7	2305.8	3957.9
EU231624.1	243661	4597.0	5207.5	3821.8	5366.8	12334.7	9582.1
CP000560.1	254749	824.2	963.2	1843.6	673.6	1968.7	2431.5
DQ779883.1	169545	456.8	606.0	341.5	115.3	62.5	1134.4
GU549437.1	522910	3794.1	4322.8	5080.4	3597.9	10694.4	10089.6
EU624321.1	278645	1250.8	1273.9	325.0	192.5	250.7	978.7
EF101728.1	177609	378.8	393.5	714.9	304.9	266.0	864.5
DQ129260.1	138122	121.0	189.6	770.8	204.8	131.5	444.6
EF113957.1	239695	4982.9	6183.5	5943.7	5288.8	9234.1	7673.2
AB301013.1	236388	2572.8	3885.5	2578.7	3609.4	8525.7	6662.5
EU071564.1	238526	564.8	688.1	973.5	716.4	462.1	1819.2
DQ071563.1	136355	83.2	252.3	253.8	88.5	466.6	1018.5
DQ071567.1	137349	3303.3	3650.0	1765.7	2540.5	1711.3	2813.4
EF522792.1	223765	1436.0	1226.3	1514.9	1192.9	819.3	2325.4
EU627588.1	279531	1949.6	1643.6	2578.0	2399.8	671.9	1774.1
DQ988131.1	195533	2467.4	3585.1	1454.5	1106.3	1699.8	1789.2
AY462216.1	110763	1729.0	2607.1	1419.4	1496.1	4214.7	2908.2
EF191246.1	225197	69.0	126.1	135.2	71.8	57.0	316.3
ABRX01000004.1	319639	225.8	284.0	223.5	255.6	67.3	375.6
EU231614.1	254702	2113.9	3202.9	1044.8	1275.2	4310.3	3069.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49263
s__unclassified	49264
s__unclassified	49265
s__unclassified	49266
s__unclassified	49268
s__unclassified	49275
s__unclassified	49277
s__unclassified	49278
s__unclassified	49279
s__unclassified	49280
s__unclassified	49283
s__unclassified	49284
s__unclassified	49285
s__unclassified	49286
s__unclassified	49287
s__unclassified	49294
s__unclassified	49296
s__unclassified	49304
s__unclassified	49305
s__unclassified	49307
s__unclassified	49309
s__unclassified	49312
s__unclassified	49313
s__unclassified	49314
s__unclassified	49315
s__unclassified	49319
s__unclassified	49320
s__unclassified	49322
s__unclassified	49324
s__unclassified	49325
s__unclassified	49326
s__unclassified	49327
s__unclassified	49330
s__unclassified	49331
s__unclassified	49332
s__unclassified	49333
s__unclassified	49334
s__unclassified	49336
s__unclassified	49337
s__unclassified	49338
s__unclassified	49340

EU159468.1 gg_id:236227 Bacillus szutsauensis str. Halo30-21
AB300814.1 gg_id:236898 Bacillus amyloliquefaciens str. W30-2
EU780103.1 gg_id:330308 Bacillus pumilus str. DT83
EU869264.1 gg_id:339196 Bacillus subtilis str. BG-B81
EU873181.1 gg_id:342551 Bacillus pumilus str. BM-Y10
AY030324.1 gg_id:71264 Bacillus macroides str. KL-009
GQ903332.1 gg_id:574670 Bacillus licheniformis str. dhs-40
AY603656.2 gg_id:106861 Bacillus malacitensis str. CR-95
EF528262.1 gg_id:221178 Bacillus subtilis str. CICCHLJ Q34
EU624429.1 gg_id:281207 Bacillus pumilus str. S6-05
EU124559.1 gg_id:257350 Bacillus simplex str. OSS 24
FJ268976.1 gg_id:357376 unculturable unpolluted rhizospheric loamy soil Phragmites cummunis growing fresh
X92161.1 gg_id:40983 Lake Elmenteita isolate WE4
EF187430.2 gg_id:190564 Bacillus sp. str. CP1
FJ373271.1 gg_id:367322 Bacillus subtilis str. EH 37
EU302589.1 gg_id:250531 Bacillus subtilis str. HA Cheonggukjang
EU240379.1 gg_id:244299 Bacillus simplex str. B76
EF427892.1 gg_id:203939 Bacillus subtilis str. JKC-16
EU882846.1 gg_id:308994 Bacillus subtilis str. H10-5-5
GU132507.1 gg_id:576641 Bacillus sp. str. JJM-1
DQ112221.1 gg_id:137047 Bacillus licheniformis str. CICC10266
AJ250318.1 gg_id:69789 Bacillus shackletonii str. LMG 18435
EU620445.1 gg_id:275997 Aerobic Facultative Alkalitolerant and Halotolerant Endospore Formers Soil Alvord Ba
AY373018.1 gg_id:94983 Bacillus sp. str. DIT030428
EF528273.1 gg_id:227083 Bacillus pumilus str. CICCHLJ Q47
EU870503.1 gg_id:345937 Bacillus licheniformis str. Sua-BAC006
AJ550463.1 gg_id:82717 Bacillus pumilus
FJ380930.1 gg_id:360936 Bacillus sp. str. K-05
AY162136.1 gg_id:77146 Bacillus licheniformis str. GA8
AF142575.1 gg_id:14706 Bacillus sp. str. Biosubtyl
DQ906100.1 gg_id:171545 Bacillus subtilis str. N391
AY913754.1 gg_id:112493 Bacillus subtilis str. CICC10082
EF433409.1 gg_id:210498 Bacillus atrophaeus str. BCRC 17123
GU549438.1 gg_id:526750 Bacillus amyloliquefaciens str. 2YN11
EF032684.1 gg_id:190390 Bacillus subtilis str. AU55
EU513395.1 gg_id:259992 Bacillus licheniformis str. TMPSB-D1
EU366229.1 gg_id:258954 Bacillus mojavensis str. A21
EF032680.1 gg_id:195409 Bacillus subtilis str. AU40
EU257699.1 gg_id:256234 Bacillus subtilis str. G2 acidophilus milk
FJ263368.1 gg_id:312692 Bacillus subtilis str. RC24
DQ295037.1 gg_id:142381 Bacillus licheniformis str. ZCS1

EU159468.1	236227	65.0	316.2	134.0	90.8	85.7	237.0
AB300814.1	236898	973.1	1609.9	900.9	1441.5	2016.4	2120.8
EU780103.1	330308	4835.2	6470.0	4417.2	3201.0	8435.5	7031.6
EU869264.1	339196	107.1	191.5	164.8	82.1	68.3	455.6
EU873181.1	342551	2833.3	4511.4	4191.9	4337.0	11101.1	9044.7
AY030324.1	71264	69.3	103.9	95.7	108.3	85.7	197.7
GQ903332.1	574670	2441.8	3047.8	2696.7	2609.2	3604.4	5484.1
AY603656.2	106861	966.5	967.7	982.1	814.6	673.6	1938.7
EF528262.1	221178	505.2	629.7	832.9	684.7	448.4	1803.5
EU624429.1	281207	981.7	1802.3	3285.7	1504.3	2542.2	4444.4
EU124559.1	257350	692.4	679.7	1227.8	371.0	456.3	1700.1
FJ268976.1	357376	12134.3	13577.6	14366.1	14103.6	14715.5	16120.0
X92161.1	40983	14.1	27.2	23.8	44.3	63.5	103.5
EF187430.2	190564	30.8	56.9	31.1	58.8	86.7	29.5
FJ373271.1	367322	5855.5	6168.1	4273.5	8316.7	6445.1	7287.2
EU302589.1	250531	4073.4	2783.3	4089.5	3622.2	1907.5	3875.3
EU240379.1	244299	1128.9	2365.0	2407.5	786.9	844.1	3321.0
EF427892.1	203939	3633.8	3025.1	3311.0	3450.5	2882.6	5030.7
EU882846.1	308994	4472.7	4659.4	3918.1	4259.9	6746.1	6379.1
GU132507.1	576641	463.1	1394.2	1436.5	620.5	667.7	2407.6
DQ112221.1	137047	4429.2	3783.1	2279.1	4651.7	1772.9	1841.8
AJ250318.1	69789	1162.8	1309.3	1162.0	733.8	1944.2	3555.2
EU620445.1	275997	924.4	667.9	767.8	1193.3	655.2	703.0
AY373018.1	94983	2412.8	2658.4	1242.4	3199.4	1472.5	2651.7
EF528273.1	227083	95.4	147.5	321.4	83.7	76.9	632.1
EU870503.1	345937	282.8	620.7	325.5	103.7	63.3	1241.3
AJ550463.1	82717	1246.2	1406.3	1627.9	1560.5	1909.2	2537.0
FJ380930.1	360936	6003.0	7325.2	9312.1	7673.9	12904.4	10510.8
AY162136.1	77146	172.3	250.1	552.8	195.5	103.3	1532.8
AF142575.1	14706	252.2	661.3	586.5	315.7	139.1	2309.3
DQ906100.1	171545	8147.4	7631.1	8263.4	10103.0	12302.0	12303.5
AY913754.1	112493	1603.8	2756.8	3483.0	2081.7	5425.0	5005.0
EF433409.1	210498	2597.6	2497.3	3237.2	1480.9	2747.5	3924.7
GU549438.1	526750	1165.5	1411.8	1498.0	518.6	1357.9	2437.7
EF032684.1	190390	8836.0	10479.9	9619.6	7898.2	14537.2	13257.6
EU513395.1	259992	178.1	473.4	446.1	232.8	88.9	1821.9
EU366229.1	258954	305.5	724.1	650.9	295.5	687.0	2270.1
EF032680.1	195409	122.4	771.8	108.0	135.3	62.9	1170.6
EU257699.1	256234	1366.1	1546.9	1201.1	487.5	1191.0	1851.4
FJ263368.1	312692	531.1	443.8	866.4	408.7	505.3	525.8
DQ295037.1	142381	661.7	380.2	1419.6	679.5	175.0	282.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49343
s__unclassified	49345
s__unclassified	49348
s__unclassified	49351
s__unclassified	49353
s__unclassified	49356
s__unclassified	49357
s__unclassified	49359
s__unclassified	49364
s__unclassified	49365
s__unclassified	49366
s__unclassified	49368
s__unclassified	49372
s__unclassified	49374
s__unclassified	49375
s__unclassified	49376
s__unclassified	49377
s__unclassified	49379
s__unclassified	49380
s__unclassified	49381
s__unclassified	49382
s__unclassified	49385
s__unclassified	49386
s__unclassified	49387
s__unclassified	49394
s__unclassified	49395
s__unclassified	49396
s__unclassified	49398
s__unclassified	49401
s__unclassified	49402
s__unclassified	49405
s__unclassified	49407
s__unclassified	49411
s__unclassified	49413
s__unclassified	49417
s__unclassified	49419
s__unclassified	49423
s__unclassified	49425
s__unclassified	49426
s__unclassified	49427
s__unclassified	49429

EU012493.2 gg_id:243910 Bacillus licheniformis str. CW-1
DQ448752.1 gg_id:157866 Bacillus sp. str. CNJ958 PL04
AY881646.1 gg_id:112299 Bacillus subtilis str. CICC10074
DQ055132.1 gg_id:130959 Bacillus subtilis str. CICC10002
DQ129469.1 gg_id:137835 microarray level air two cities Texas urban aerosol clone AKIW551
AJ880760.1 gg_id:112711 Bacillus subtilis SUF3
EU231626.1 gg_id:240067 Bacillus pumilus str. TCCC11014
AM062688.1 gg_id:137157 Bacillus subtilis p2231
EU046268.1 gg_id:251845 Bacillus yunchengensis str. YC1
EU379253.1 gg_id:273917 Bacillus pumilus str. 1RN-3E
AJ494728.1 gg_id:63743 Bacillus pumilus EI-25-8
AB305265.1 gg_id:227636 Bacillus licheniformis str. L1
FJ193822.1 gg_id:330570 Genetic inventory 'KSC-Astrotek' spacecraft assembly clean room during DAWN missi
EU195330.1 gg_id:237164 Bacillus subtilis str. G2III
DQ870688.1 gg_id:223920 Bacillus firmus str. KSC_SF8b
EU624423.1 gg_id:283322 Bacillus subtilis str. S8-18
EU373425.1 gg_id:269350 Bacillus licheniformis str. YRR01
AB257199.1 gg_id:156608 Bacillus subtilis str. R5
EF423606.1 gg_id:215567 Bacillus amyloliquefaciens str. BCRC 14710
EU870501.1 gg_id:338865 Bacillus pumilus str. Sua-BAC004
GQ503323.1 gg_id:544399 Bacillus subtilis str. AsK18
AB301008.1 gg_id:248014 Bacillus amyloliquefaciens str. GH11
AY289495.1 gg_id:104572 Bacillus sp. IDA4715
EU734179.1 gg_id:338610 Bacillus licheniformis str. X2
AY189750.1 gg_id:79819 Bacillus mojavensis str. M-1
GQ203617.1 gg_id:561556 Bacillus pumilus str. KS-2
EU365683.1 gg_id:266012 Bacillus subtilis str. M-11
GQ281097.1 gg_id:579744 Bacillus subtilis str. UVABAC001
EF101703.1 gg_id:192167 Bacillus subtilis str. HU87
DQ870737.1 gg_id:221052 Bacillus circulans str. JSC_SF51
EF990557.1 gg_id:239511 Bacillus subtilis str. DA1 Natto
GU084136.1 gg_id:579067 Bacillus subtilis str. DB-2
AB536963.1 gg_id:574573 Bacillus sp. str. MB138
FJ821596.1 gg_id:554302 Bacillus sp. str. DD1
AY842870.1 gg_id:111078 Bacillus licheniformis str. CICC10086
EU935597.1 gg_id:346146 Bacillus licheniformis str. G1 ASIL
X76441.1 gg_id:14513 Bacillus species
FJ999557.1 gg_id:458663 Bacillus sp. str. HLSB25
AY787000.1 gg_id:109010 Bacillus subtilis str. CICC 10088
EF591633.1 gg_id:233357 Bacillus subtilis
GQ463619.1 gg_id:564988 Bacillus licheniformis str. XRK4

EU012493.2	243910	234.8	895.1	747.9	403.8	114.1	2325.6
DQ448752.1	157866	3036.6	2008.1	618.7	1523.9	1863.3	2768.3
AY881646.1	112299	698.8	1140.4	353.0	170.7	104.9	1008.7
DQ055132.1	130959	2891.6	2934.8	2012.6	1933.5	1896.5	3517.1
DQ129469.1	137835	1494.2	2020.7	1690.8	1893.7	4748.8	4658.5
AJ880760.1	112711	412.7	718.1	829.6	572.1	788.4	2352.7
EU231626.1	240067	504.2	756.4	515.5	451.7	133.3	1076.0
AM062688.1	137157	1242.5	1760.6	1641.4	1775.0	1768.3	2456.6
EU046268.1	251845	148.7	159.7	142.6	169.6	158.6	559.6
EU379253.1	273917	539.2	848.2	661.0	712.5	466.0	1913.2
AJ494728.1	63743	156.9	433.6	855.0	260.1	119.2	2258.0
AB305265.1	227636	417.9	907.6	1098.2	704.7	652.3	2753.0
FJ193822.1	330570	179.7	314.7	953.2	141.8	125.3	507.2
EU195330.1	237164	453.4	560.4	548.1	294.7	235.8	1454.4
DQ870688.1	223920	2045.9	1538.9	1813.1	3193.1	1470.8	2168.8
EU624423.1	283322	1725.4	1280.4	1694.0	1697.1	1229.4	2695.1
EU373425.1	269350	11107.6	11926.0	7926.3	9885.3	13299.2	13900.1
AB257199.1	156608	3420.9	3267.4	3329.9	3799.1	2716.2	4382.6
EF423606.1	215567	1139.1	1522.6	557.7	551.8	886.1	1637.1
EU870501.1	338865	1842.2	3554.7	881.3	1079.7	4395.4	3413.7
GQ503323.1	544399	425.7	571.9	797.4	635.4	982.0	1905.1
AB301008.1	248014	3969.7	4262.9	4018.9	4287.7	5104.2	5939.1
AY289495.1	104572	9217.7	8507.5	4385.9	3354.1	5331.7	4691.5
EU734179.1	338610	4902.7	2941.9	565.3	858.7	1657.0	1514.6
AY189750.1	79819	9308.5	7870.4	7301.5	6673.3	8917.5	8800.4
GQ203617.1	561556	428.1	1005.1	792.9	203.2	112.8	1745.5
EU365683.1	266012	578.5	767.4	491.1	262.8	185.1	1248.2
GQ281097.1	579744	914.2	1161.3	1185.2	910.4	728.3	1924.6
EF101703.1	192167	4520.0	5824.9	4513.6	4459.3	10125.2	7464.7
DQ870737.1	221052	52.1	150.3	110.6	93.9	83.7	250.4
EF990557.1	239511	295.2	573.4	937.3	363.5	1475.5	1706.0
GU084136.1	579067	1182.9	1754.2	1524.9	1763.7	1772.5	2492.5
AB536963.1	574573	577.8	527.3	642.3	483.4	691.6	1121.2
FJ821596.1	554302	3378.0	6146.0	2872.2	3181.7	10183.4	7178.9
AY842870.1	111078	5899.4	8788.7	6111.0	6137.5	11102.5	9841.3
EU935597.1	346146	741.7	1407.8	1426.9	844.0	5550.8	4376.3
X76441.1	14513	6682.6	7913.3	7610.6	3358.3	4943.3	6121.7
FJ999557.1	458663	5601.9	5830.5	4247.1	6199.1	5943.5	6566.4
AY787000.1	109010	951.1	1086.4	649.9	350.2	124.4	1498.4
EF591633.1	233357	1100.1	1282.8	1217.6	531.5	389.8	1989.8
GQ463619.1	564988	9912.9	11683.0	3963.9	8224.6	7816.5	10582.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49430
s__unclassified	49432
s__unclassified	49433
s__unclassified	49434
s__unclassified	49436
s__unclassified	49437
s__unclassified	49440
s__unclassified	49442
s__unclassified	49444
s__unclassified	49446
s__unclassified	49448
s__unclassified	49452
s__unclassified	49459
s__unclassified	49461
s__unclassified	49462
s__unclassified	49464
s__unclassified	49466
s__unclassified	49467
s__unclassified	49468
s__unclassified	49469
s__unclassified	49473
s__unclassified	49475
s__unclassified	49479
s__unclassified	49481
s__unclassified	49482
s__unclassified	49492
s__unclassified	49493
s__unclassified	49495
s__unclassified	49502
s__unclassified	49503
s__unclassified	49505
s__unclassified	49508
s__unclassified	49509
s__unclassified	49512
s__unclassified	49518
s__unclassified	49519
s__unclassified	49522
s__unclassified	49523
s__unclassified	49527
s__unclassified	49528
s__unclassified	49529

DQ389755.1 gg_id:194404 Bacillus amyloliquefaciens
DQ055130.1 gg_id:128288 Bacillus subtilis str. CICC10071
DQ129525.1 gg_id:196009 microarray level air two cities Texas urban aerosol clone AKIW651
GU073379.1 gg_id:576541 Bacillus subtilis str. WN02
GU385859.1 gg_id:531476 Bacillus simplex str. QT13
GQ452910.1 gg_id:539974 Bacillus subtilis str. N-11
AJ315075.1 gg_id:71532 Bacillus decolorationis str. LMG 19507
FJ607054.1 gg_id:552776 Bacillus aquimaris str. 91-6
EU366367.1 gg_id:260710 Bacillus velezensis str. I14
EU373329.1 gg_id:263197 Bacillus pumilus str. SSR07
DQ298314.1 gg_id:152936 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
AF165188.1 gg_id:17768 Bacillus sp. str. CK4
GQ281104.1 gg_id:511317 Bacillus subtilis str. UVABAC008
FJ393297.1 gg_id:367121 Bacillus subtilis str. TCCC11212
FJ808720.1 gg_id:528503 Bacillus licheniformis str. P100
AY296805.1 gg_id:105931 Bacillus licheniformis str. IBT013
GQ926884.1 gg_id:537640 Bacillus licheniformis str. RCO 010
DQ923483.1 gg_id:172870 Bacillus subtilis str. D56
EU869260.1 gg_id:305794 Bacillus subtilis str. BG-B57
EU071553.1 gg_id:239390 Bacillus licheniformis str. EHFS1_S05Td
EF491625.1 gg_id:217864 Bacillus subtilis G8
AY871103.1 gg_id:112261 Bacillus licheniformis str. CICC 10084
FJ977611.1 gg_id:538286 Bacillus sp. SF225
EF101704.1 gg_id:196618 Bacillus subtilis str. HU71
EF101712.1 gg_id:173879 Bacillus subtilis str. HU2
FJ208798.1 gg_id:311753 Bacillus subtilis str. KCX006
GQ167199.1 gg_id:400536 Bacillus pumilus str. B20
EU870500.1 gg_id:326042 Bacillus pumilus str. Sua-BAC003
EF513255.1 gg_id:222397 Bacillus licheniformis str. MP-2
EF488089.1 gg_id:218485 Bacillus subtilis str. QD138
FJ435218.1 gg_id:361631 Bacillus subtilis str. 21
DQ129508.1 gg_id:138052 microarray level air two cities Texas urban aerosol clone AKIW962
FJ976614.1 gg_id:560996 Bacillus subtilis str. LCR105
AF218243.1 gg_id:18610 Bacillus sp
GU549436.1 gg_id:531684 Bacillus subtilis str. 1JN2
AJ606700.1 gg_id:100010 Bacillus arsenicus str. cona/3
EU071563.1 gg_id:243935 Bacillus subtilis str. EHFS1_S01Hb
GU451175.1 gg_id:516841 Bacillus pumilus str. BNA-6
GQ148816.1 gg_id:385390 Bacillus subtilis str. Y5
AY690683.1 gg_id:104173 Bacillus sp. str. SC09
X60646.1 gg_id:14727 Bacillus subtilis str. NCDO 1769

DQ389755.1	194404	1007.5	1028.0	235.5	147.6	220.9	139.0
DQ055130.1	128288	5371.5	4263.4	4637.9	5232.1	5240.9	6659.3
DQ129525.1	196009	917.3	1059.6	335.4	1150.9	1044.7	1726.1
GU073379.1	576541	3714.9	4236.7	2719.3	3628.8	4068.7	5123.9
GU385859.1	531476	259.5	595.8	675.4	240.3	364.1	1769.0
GQ452910.1	539974	1589.9	1936.9	1486.7	1584.2	3848.5	3012.1
AJ315075.1	71532	132.9	218.0	188.0	152.5	141.0	386.7
FJ607054.1	552776	3782.0	4862.7	3055.0	5778.8	6138.0	10327.4
EU366367.1	260710	3675.4	4035.7	3524.3	3714.1	1973.7	3552.3
EU373329.1	263197	842.9	1386.6	1230.5	485.0	735.5	2930.0
DQ298314.1	152936	2679.5	1783.4	450.7	2105.6	1207.0	1205.0
AF165188.1	17768	752.5	795.7	107.7	126.0	178.1	300.1
GQ281104.1	511317	8300.7	8285.9	2530.0	10536.9	10526.3	10989.8
FJ393297.1	367121	780.1	1035.6	1212.1	561.6	480.6	1867.2
FJ808720.1	528503	8069.9	8333.0	7238.0	6765.3	8399.2	7724.3
AY296805.1	105931	889.1	1125.0	659.4	968.6	592.1	1409.8
GQ926884.1	537640	10736.5	12263.8	9879.9	10731.1	17521.4	15197.1
DQ923483.1	172870	588.2	827.0	511.9	194.4	160.3	533.1
EU869260.1	305794	791.7	1134.8	1004.9	351.7	1104.8	2389.7
EU071553.1	239390	5548.0	5856.3	3814.4	4382.8	5244.3	5678.6
EF491625.1	217864	1254.0	1178.7	578.4	203.5	804.8	1292.6
AY871103.1	112261	177.5	487.3	478.9	242.4	106.5	1642.0
FJ977611.1	538286	3762.6	3340.3	2874.7	3702.3	5138.0	6100.1
EF101704.1	196618	3886.9	2817.4	3233.8	3388.1	2860.4	4381.4
EF101712.1	173879	1920.9	2016.3	2762.7	3340.2	456.8	3139.9
FJ208798.1	311753	3211.8	4328.6	1651.6	1764.4	7342.9	5116.0
GQ167199.1	400536	669.3	1240.4	991.1	393.1	692.7	2887.1
EU870500.1	326042	708.4	1000.9	661.6	540.3	695.8	1972.9
EF513255.1	222397	899.3	977.9	1416.9	1627.9	446.4	911.2
EF488089.1	218485	773.5	1085.4	1056.7	347.0	195.4	1694.8
FJ435218.1	361631	1586.1	2576.2	1782.2	1518.4	5340.8	5178.8
DQ129508.1	138052	161.1	140.6	517.6	321.9	94.0	619.2
FJ976614.1	560996	1178.4	1186.6	1093.5	948.5	635.7	1850.4
AF218243.1	18610	919.8	992.2	2651.9	470.3	1144.2	1505.9
GU549436.1	531684	712.6	1121.3	694.9	292.3	691.9	2274.9
AJ606700.1	100010	2293.0	2598.6	2268.3	1482.4	3437.0	3410.2
EU071563.1	243935	497.6	651.2	857.2	687.3	453.5	1868.5
GU451175.1	516841	1127.0	1857.5	1652.4	1702.1	858.2	3117.9
GQ148816.1	385390	9784.5	4831.7	4192.3	7063.5	480.3	2156.1
AY690683.1	104173	164.1	219.6	137.7	161.4	140.5	615.3
X60646.1	14727	4231.9	4252.5	4175.8	4825.3	3926.5	5315.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49531
s__unclassified	49532
s__unclassified	49533
s__unclassified	49534
s__unclassified	49539
s__unclassified	49540
s__unclassified	49553
s__unclassified	49557
s__unclassified	49561
s__unclassified	49562
s__unclassified	49567
s__unclassified	49570
s__unclassified	49574
s__unclassified	49580
s__unclassified	49581
s__unclassified	49583
s__unclassified	49586
s__unclassified	49587
s__unclassified	49588
s__unclassified	49590
s__unclassified	49591
s__unclassified	49592
s__unclassified	49599
s__unclassified	49600
s__unclassified	49605
s__unclassified	49608
s__unclassified	49609
s__unclassified	49610
s__unclassified	49611
s__unclassified	49612
s__unclassified	49615
s__unclassified	49617
s__unclassified	49619
s__unclassified	49620
s__unclassified	49622
s__unclassified	49623
s__unclassified	49625
s__unclassified	49628
s__unclassified	49629
s__unclassified	49630
s__unclassified	49631

DQ005497.1 gg_id:117678 Bacillus subtilis str. CICC10164
GQ861465.1 gg_id:587805 Bacillus pumilus str. LQD13
AB180249.1 gg_id:168785 Bacillus sp. JAMB-204
EF690407.1 gg_id:238238 Bacillus simplex M7-2
EU571121.1 gg_id:264176 Bacillus sp. str. 1-9
EF070205.1 gg_id:188097 Bacillus pumilus str. NMSN-1d
GQ121032.1 gg_id:445123 Bacillus agaradhaerens str. Mi10-62
EF025574.1 gg_id:199304 Bacillus subtilis str. IIL8
GQ289559.1 gg_id:572299 Bacillus licheniformis str. SG15
DQ870771.1 gg_id:224743 Bacillus barbaricus str. KSC_tot6a
AB305268.1 gg_id:231793 Bacillus subtilis str. DstI-2
FJ190075.1 gg_id:347365 Bacillus licheniformis str. Am2
FJ825145.1 gg_id:590381 Bacillus beveridgei str. MLTeJB
EU835732.1 gg_id:311633 Bacillus marisflavi str. DS6
AY462211.1 gg_id:110210 Bacillus subtilis str. DF41
FJ417403.1 gg_id:356853 Bacillus licheniformis str. P13
EU010383.1 gg_id:242505 Bacillus licheniformis 100Hjorring
EU867356.1 gg_id:580703 Bacillus sp. str. CCGE2095
DQ071562.1 gg_id:136423 Bacillus licheniformis str. MKU 5
EU927413.1 gg_id:315636 Bacillus subtilis str. 47-B-41
EU730937.1 gg_id:344774 Bacillus pumilus str. 216
AB301021.1 gg_id:239271 Bacillus subtilis str. GH27
DQ129518.1 gg_id:137783 microarray level air two cities Texas urban aerosol clone AKIW767
GQ845009.1 gg_id:581243 Bacillus subtilis str. BE-91
AY296814.1 gg_id:101956 Bacillus subtilis str. IBT019
EU912555.1 gg_id:314673 Bacillus pumilus str. 7-5
GQ284390.1 gg_id:571554 Bacillus sp. str. PCWCS40
DQ779884.1 gg_id:164463 Bacillus subtilis str. PCL1610
GU323370.1 gg_id:532861 Bacillus amyloliquefaciens str. HS10
GQ375216.1 gg_id:566929 Bacillus amyloliquefaciens str. CICC 20604
GU137297.1 gg_id:576737 Bacillus licheniformis str. Hsw-7
FJ544342.1 gg_id:377746 Bacillus subtilis str. 827
DQ298155.1 gg_id:142044 Lactobacillus sp. SWM_Isolation_3
EU571158.1 gg_id:271497 eubacterium sp. str. 11-10
DQ659146.1 gg_id:171063 Bacillus subtilis str. GR011
AJ494731.1 gg_id:63741 Bacillus pumilus EI-26-8
AY530960.1 gg_id:100297 Bacillus licheniformis str. HK-1
AB364963.1 gg_id:253331 Bacillus subtilis str. S4
AY382610.1 gg_id:96553 soil clone S441
EF101714.1 gg_id:194456 Bacillus subtilis str. HU24
FJ999577.1 gg_id:395703 Bacillus sp. str. HLSB174

DQ005497.1	117678	1267.0	1299.0	626.8	521.3	984.8	1620.6
GQ861465.1	587805	432.4	919.6	1039.6	483.5	111.5	2589.7
AB180249.1	168785	177.0	382.8	708.2	323.1	91.4	1463.5
EF690407.1	238238	770.2	1427.5	1814.6	605.0	704.5	2750.7
EU571121.1	264176	82.1	410.5	2224.3	373.1	504.6	738.7
EF070205.1	188097	5862.8	6273.9	2752.1	5353.6	1798.2	2836.2
GQ121032.1	445123	2647.0	4084.9	4404.7	1890.5	4705.8	3134.1
EF025574.1	199304	2382.5	1409.5	1873.2	2846.8	1603.5	3333.8
GQ289559.1	572299	2898.1	3101.5	2299.7	4516.4	2012.0	2020.5
DQ870771.1	224743	10356.8	10021.1	6422.1	5996.3	10877.4	6990.6
AB305268.1	231793	600.9	839.6	521.1	200.3	147.3	807.1
FJ190075.1	347365	553.2	682.9	879.4	511.6	306.1	2034.2
FJ825145.1	590381	1765.9	2298.7	1914.3	1585.9	1593.2	1850.9
EU835732.1	311633	1563.1	1412.1	1588.6	1840.1	1863.3	2795.6
AY462211.1	110210	2254.5	2621.3	2140.2	1838.0	2438.9	2649.8
FJ417403.1	356853	1394.3	1146.5	3568.1	648.1	1139.2	724.5
EU010383.1	242505	4949.4	5871.0	6766.3	3892.4	2920.8	5333.3
EU867356.1	580703	6249.3	7244.4	4417.5	6207.6	9514.7	7122.8
DQ071562.1	136423	176.4	414.0	386.2	237.4	78.4	2941.7
EU927413.1	315636	283.4	308.9	494.4	295.4	226.5	651.8
EU730937.1	344774	294.8	542.5	607.1	716.9	431.4	1598.2
AB301021.1	239271	2919.2	3442.2	3003.4	3376.6	6436.8	5970.0
DQ129518.1	137783	301.0	328.2	998.7	244.0	406.0	4275.5
GQ845009.1	581243	1244.5	1756.8	1640.4	1776.7	1770.5	2414.3
AY296814.1	101956	3799.7	4042.8	2279.4	3128.7	4637.7	3253.1
EU912555.1	314673	3196.7	5218.9	2872.9	3531.0	4890.1	6015.3
GQ284390.1	571554	2894.8	2220.2	443.1	3936.0	4410.1	4760.7
DQ779884.1	164463	3542.1	2492.9	3191.5	3187.8	2819.8	5280.6
GU323370.1	532861	739.2	758.8	480.9	398.0	818.6	939.2
GQ375216.1	566929	1042.2	1170.6	716.4	391.5	764.9	3200.1
GU137297.1	576737	131.5	354.3	327.5	210.8	86.2	1795.2
FJ544342.1	377746	1493.1	2055.7	1547.2	1892.2	1680.1	2597.5
DQ298155.1	142044	2650.7	2890.7	3266.6	2612.2	2354.8	2748.4
EU571158.1	271497	48.1	73.3	314.6	184.6	60.5	2352.5
DQ659146.1	171063	1244.6	1248.4	1735.8	707.4	114.0	2874.7
AJ494731.1	63741	479.7	762.8	1362.0	855.2	373.7	3426.4
AY530960.1	100297	11136.8	9773.5	7514.5	8220.5	9696.7	9273.6
AB364963.1	253331	229.2	491.7	455.4	259.9	110.0	1418.8
AY382610.1	96553	426.2	506.7	530.5	260.9	77.6	1615.9
EF101714.1	194456	4575.2	3755.2	1911.4	3562.0	3607.3	4293.6
FJ999577.1	395703	2599.4	3995.9	2102.7	1202.5	3296.4	4823.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49633
s__unclassified	49635
s__unclassified	49636
s__unclassified	49637
s__unclassified	49640
s__unclassified	49641
s__unclassified	49644
s__unclassified	49645
s__unclassified	49646
s__unclassified	49649
s__unclassified	49650
s__unclassified	49651
s__unclassified	49654
s__unclassified	49656
s__unclassified	49658
s__unclassified	49659
s__unclassified	49660
s__unclassified	49661
s__unclassified	49663
s__unclassified	49664
s__unclassified	49666
s__unclassified	49669
s__unclassified	49670
s__unclassified	49672
s__unclassified	49673
s__unclassified	49677
s__unclassified	49678
s__unclassified	49684
s__unclassified	49685
s__unclassified	49688
s__unclassified	49697
s__unclassified	49698
s__unclassified	49700
s__unclassified	49705
s__unclassified	49707
s__unclassified	49709
s__unclassified	49710
s__unclassified	49712
s__unclassified	49715
s__unclassified	49720
s__unclassified	49723

X76448.1 gg_id:14504 Bacillus species
DQ129503.1 gg_id:137653 urban aerosol clone AKIW913
EU660343.1 gg_id:293933 Bacillus licheniformis str. CM20
DQ412563.1 gg_id:153339 Bacillus pumilus str. ARBG2
FJ544351.1 gg_id:400239 Bacillus subtilis str. ji10
EU736101.1 gg_id:332540 Bacillus subtilis str. CD-9
EU870502.1 gg_id:318100 Bacillus amyloliquefaciens str. Sua-BAC005
EU624418.1 gg_id:283388 Bacillus arsenicus str. S8-14
GQ284374.1 gg_id:553701 Bacillus sp. str. PCWCS1
GQ853552.1 gg_id:567428 Bacillus subtilis str. BRZ5
FJ227530.1 gg_id:319982 Identification unculturable species growing sludge methane reactor after methanoge
EF379274.1 gg_id:276657 Bacillus sp. str. SL213
EU231638.1 gg_id:243631 Bacillus subtilis str. TCCC11024
AY946289.1 gg_id:114615 Bacillus pumilus 101
FM180511.1 gg_id:333275 Bacillus pumilus str. A7
EU366377.1 gg_id:276934 Bacillus subtilis str. IV11
DQ012096.1 gg_id:122670 Bacillus subtilis str. CICC10165
AY456263.1 gg_id:105383 Bacillus pumilus str. DSMZ27
AY995570.2 gg_id:125804 Bacillus subtilis str. IDCC1103
EU586322.1 gg_id:265692 Bacillus licheniformis str. H*1
GQ280082.1 gg_id:513749 Bacillus subtilis str. JS-12
DQ232734.1 gg_id:142272 Bacillus pumilus str. JH4
AY762058.1 gg_id:125815 Bacillus sp. str. M1 5-5
GQ280017.1 gg_id:580384 Bacillus licheniformis str. BJ-7
GQ302521.1 gg_id:537803 Bacillus subtilis str. BP-13
EU379284.1 gg_id:261753 Bacillus pumilus str. 4RS-5f
EU557029.1 gg_id:269982 Bacillus subtilis str. KU3
DQ395976.1 gg_id:155560 deep-sea octacoral clone ctg_CGOGA03
AY839858.1 gg_id:110561 Bacillus licheniformis str. CICC10098
EF439667.1 gg_id:215811 Bacillus pumilus str. S2
AY913756.1 gg_id:112580 Bacillus subtilis str. CICC10081
EU008574.1 gg_id:236385 Bacillus licheniformis str. PS7
EU753616.1 gg_id:354902 modern freshwater stromatolites Ruidera Pools Natural Park Spain dry stromatolite
AY913755.1 gg_id:112686 Bacillus subtilis str. CICC10078
FJ514932.1 gg_id:557292 Bacillus sp. str. CAU 348
EU660309.1 gg_id:285891 Bacillus subtilis
DQ120942.1 gg_id:137242 Bacillus pumilus str. TF12
DQ071560.1 gg_id:132973 Bacillus licheniformis str. MKU 1
AY642579.1 gg_id:153871 and carbonate precipitation giant microbialites ly alkaline Lake Van Turkey microbiali
DQ923221.1 gg_id:188181 Bacillus sp. m2-29
DQ118379.1 gg_id:130032 Bacillus licheniformis str. CICC 10183

X76448.1	14504	1587.6	2019.6	1266.9	1051.1	271.9	881.9
DQ129503.1	137653	1124.1	1527.1	2154.0	1504.0	1901.5	3629.0
EU660343.1	293933	15853.7	12660.2	12394.9	12497.7	12094.7	12640.0
DQ412563.1	153339	668.9	1322.2	991.0	407.2	732.1	2686.6
FJ544351.1	400239	1755.7	2170.3	1623.2	2180.9	1358.7	2235.9
EU736101.1	332540	1117.7	1681.6	1231.5	1610.4	1412.0	2137.8
EU870502.1	318100	7861.2	6066.9	5017.2	4949.2	6049.8	3743.4
EU624418.1	283388	8463.6	8284.2	7338.1	5375.5	6591.4	5196.1
GQ284374.1	553701	483.4	994.9	351.1	316.1	1294.7	1801.3
GQ853552.1	567428	716.2	1074.5	681.7	262.8	1000.8	1735.4
FJ227530.1	319982	151.9	260.2	464.5	148.6	225.5	406.5
EF379274.1	276657	2013.1	2428.2	4275.4	1593.6	595.8	1869.1
EU231638.1	243631	6615.6	8423.0	6751.1	6212.5	13167.1	9255.7
AY946289.1	114615	47.0	160.5	425.0	97.6	142.8	97.0
FM180511.1	333275	4656.8	5128.7	2610.2	6326.5	4127.6	6168.4
EU366377.1	276934	18928.1	15152.4	8612.3	11971.8	14863.0	12293.6
DQ012096.1	122670	250.1	481.9	1235.0	189.6	80.4	1695.8
AY456263.1	105383	8382.4	8268.2	2453.1	10674.7	12262.5	9724.1
AY995570.2	125804	439.7	811.7	983.1	392.4	1422.4	2623.4
EU586322.1	265692	1517.6	1053.3	1018.6	1567.2	1486.8	3715.3
GQ280082.1	513749	1600.7	1531.4	718.3	2921.9	2782.0	2133.8
DQ232734.1	142272	205.3	457.5	325.0	310.3	159.1	523.3
AY762058.1	125815	565.4	509.5	617.0	432.9	555.4	759.6
GQ280017.1	580384	283.3	666.4	545.4	372.9	92.0	2700.2
GQ302521.1	537803	3550.5	3603.4	1744.4	3768.6	2216.2	2882.2
EU379284.1	261753	84.4	235.1	364.4	79.9	104.7	334.3
EU557029.1	269982	267.2	497.8	443.6	278.4	231.7	365.8
DQ395976.1	155560	1984.0	2999.8	3599.6	1269.4	520.5	2302.1
AY839858.1	110561	335.2	307.2	977.9	147.1	61.2	1078.5
EF439667.1	215811	516.3	780.8	803.8	415.4	112.1	2734.9
AY913756.1	112580	593.0	828.7	513.7	196.0	157.6	531.0
EU008574.1	236385	15700.1	10391.1	12939.1	7667.2	8808.1	5802.4
EU753616.1	354902	3120.8	3593.3	2981.1	3130.7	4988.9	5947.4
AY913755.1	112686	633.1	870.5	1429.8	486.5	1170.9	2529.5
FJ514932.1	557292	1239.6	1797.4	1335.4	1003.8	3300.2	1727.7
EU660309.1	285891	5217.6	5541.0	3590.7	4251.2	8533.6	8329.5
DQ120942.1	137242	6471.2	7181.3	7654.0	6106.2	5906.0	6643.0
DQ071560.1	132973	104.9	319.9	332.4	99.9	470.3	1844.9
AY642579.1	153871	1527.2	1599.8	1297.0	2013.3	329.9	922.2
DQ923221.1	188181	5624.6	4384.6	2617.3	4107.1	6461.1	5918.8
DQ118379.1	130032	288.6	776.8	662.5	362.6	93.4	2314.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49725
s__unclassified	49727
s__unclassified	49728
s__unclassified	49731
s__unclassified	49732
s__unclassified	49739
s__unclassified	49740
s__unclassified	49743
s__unclassified	49745
s__unclassified	49749
s__unclassified	49751
s__unclassified	49752
s__unclassified	49755
s__unclassified	49760
s__unclassified	49763
s__unclassified	49765
s__unclassified	49766
s__unclassified	49767
s__unclassified	49768
s__unclassified	49769
s__unclassified	49770
s__unclassified	49771
s__unclassified	49774
s__unclassified	49775
s__unclassified	49777
s__unclassified	49779
s__unclassified	49781
s__unclassified	49783
s__unclassified	49787
s__unclassified	49790
s__unclassified	49792
s__unclassified	49793
s__unclassified	49794
s__unclassified	49796
s__unclassified	49797
s__unclassified	49798
s__unclassified	49800
s__unclassified	49809
s__unclassified	49810
s__unclassified	49811
s__unclassified	49813

EU888514.1 gg_id:324049 Bacillus licheniformis str. ES_MS18c
DQ399261.1 gg_id:154170 Bacillus mangrovensis str. RB1
EF101700.1 gg_id:185635 Bacillus subtilis str. HU15
EF113306.1 gg_id:183568 Bacillus licheniformis LB 13
DQ232733.1 gg_id:142769 Bacillus pumilus str. JH3
AF058767.1 gg_id:14757 Bacillus subtilis str. A405
EF101713.1 gg_id:181038 Bacillus subtilis str. HU5
EU870507.1 gg_id:341105 Bacillus licheniformis str. Sua-BAC012
Z82044.1 gg_id:14754 Bacillus subtilis str. 168
AB248289.1 gg_id:153767 Bacillus licheniformis str. 114 (= KMM 3886)
AY162133.1 gg_id:74972 Bacillus subtilis str. BZ15
AJ867389.1 gg_id:110107 Bacillus subtilis
AY030334.1 gg_id:46335 Bacillus mojavensis str. KL-154
FJ751910.1 gg_id:569397 Bacillus sp. str. A24
AB301019.1 gg_id:250947 Bacillus pumilus str. GH19
FN435892.1 gg_id:537528 Bacillus sp. JDE-2009 29
EU620415.1 gg_id:279612 Bacillus pumilus str. S8-07
AB539835.1 gg_id:576463 Bacillus sp. str. HHS1
GU122953.1 gg_id:573808 Bacillus subtilis str. DBT2T2S3
EF423598.1 gg_id:205700 Bacillus subtilis str. BCRC 17435
GU458348.1 gg_id:516189 Bacillus aquimaris str. NT
DQ055129.1 gg_id:130897 Bacillus subtilis str. CICC10166
AB020198.1 gg_id:33993 Bacillus sp. str. TGS750
AB425366.1 gg_id:524408 Bacillus sp. str. SG109
EU311216.1 gg_id:246234 Bacillus pumilus str. DB-2
GU385857.1 gg_id:526287 Bacillus simplex str. QT11
EU366383.1 gg_id:269846 Bacillus licheniformis str. IV15
AY859479.1 gg_id:110137 Bacillus licheniformis str. CICC 10097
FJ263012.1 gg_id:361553 Bacillus mojavensis str. ZA1
EU240424.1 gg_id:235732 Bacillus simplex str. B154
Y14693.1 gg_id:14624 Bacillus benzoevorans str. YEO5
EU717842.1 gg_id:328397 Bacillus licheniformis str. X-14
AY690687.1 gg_id:104789 Bacillus sp. str. MT06
GU397385.1 gg_id:527253 Bacillus firmus str. A30
EF101717.1 gg_id:189913 Bacillus subtilis str. HU67
EU755382.1 gg_id:355623 Bacillus subtilis str. DSVP24
DQ057583.1 gg_id:137118 Bacillus subtilis str. CICC10167
EU231622.1 gg_id:247156 Bacillus subtilis str. TCCC11008
DQ403813.1 gg_id:154637 Bacillus subtilis
AB523743.1 gg_id:548564 Bacillus amyloliquefaciens str. XJ-SW-158B
GU391531.1 gg_id:573922 Bacillus sp. Ct2(2010) str. Ct2

EU888514.1	324049	167.1	407.7	487.0	159.6	66.3	1464.5
DQ399261.1	154170	451.1	652.8	833.5	633.0	182.5	831.6
EF101700.1	185635	680.3	867.8	541.3	806.8	160.1	1438.7
EF113306.1	183568	659.9	232.7	730.9	179.6	143.8	845.2
DQ232733.1	142769	779.1	1382.8	1392.9	707.0	221.7	2248.0
AF058767.1	14757	8875.1	7840.0	4424.3	5241.0	6438.6	6723.5
EF101713.1	181038	2255.4	1873.7	775.0	2256.7	794.3	1129.3
EU870507.1	341105	3216.3	4303.0	3160.5	3140.9	6683.3	6938.3
Z82044.1	14754	14127.1	16689.8	14457.9	12639.9	15709.7	15584.2
AB248289.1	153767	79.9	192.0	119.7	110.8	83.1	404.6
AY162133.1	74972	4392.2	4147.8	4261.7	5141.6	5179.3	8039.2
AJ867389.1	110107	597.4	739.9	116.1	125.2	96.0	61.0
AY030334.1	46335	4507.5	3932.8	4686.1	4974.7	6454.5	8507.1
FJ751910.1	569397	10474.4	11912.2	5375.6	9482.5	10612.6	9195.6
AB301019.1	250947	14260.1	16215.4	9210.3	12749.7	23713.9	17255.1
FN435892.1	537528	2522.1	2985.1	3969.0	3449.8	5658.6	6264.8
EU620415.1	279612	1288.2	1599.9	1988.7	700.0	1551.5	2870.4
AB539835.1	576463	3720.7	3275.3	2421.3	3528.3	1905.0	2755.8
GU122953.1	573808	8487.8	8498.4	4620.3	9779.0	11064.3	9699.9
EF423598.1	205700	1288.7	2933.0	6279.9	1959.5	11484.6	3833.1
GU458348.1	516189	336.3	483.3	572.4	403.4	129.6	1883.6
DQ055129.1	130897	445.8	953.9	989.7	388.6	1414.5	2583.3
AB020198.1	33993	75.9	167.1	296.3	123.4	163.2	327.5
AB425366.1	524408	1237.7	1460.8	817.0	809.8	375.0	2608.8
EU311216.1	246234	3424.4	4081.0	1962.8	2085.5	2004.6	3032.7
GU385857.1	526287	3485.8	4294.9	1111.5	2391.9	4881.6	5951.4
EU366383.1	269846	1133.2	1473.6	767.3	2062.6	1806.7	2353.6
AY859479.1	110137	4326.1	4128.7	3946.3	5340.9	1672.2	4180.6
FJ263012.1	361553	129.8	282.4	184.3	111.9	48.8	1342.9
EU240424.1	235732	5860.0	6699.6	7279.6	4533.8	5211.5	4484.2
Y14693.1	14624	2518.5	2292.4	769.8	2041.2	3056.0	2353.1
EU717842.1	328397	5529.7	6283.1	4096.5	4454.5	7083.6	6471.1
AY690687.1	104789	22.3	47.7	61.4	62.3	57.5	218.4
GU397385.1	527253	420.0	987.9	645.0	206.9	65.0	658.3
EF101717.1	189913	467.8	833.0	1038.5	381.9	207.5	2380.1
EU755382.1	355623	1172.2	1148.1	983.4	663.6	587.9	1671.1
DQ057583.1	137118	10028.4	10814.2	4873.0	9701.2	2769.7	5108.7
EU231622.1	247156	10305.7	10820.7	6272.2	6784.2	10943.8	9668.5
DQ403813.1	154637	8427.9	8421.5	5369.1	7401.6	12030.2	9388.8
AB523743.1	548564	1284.3	1343.8	482.5	242.0	906.3	1266.8
GU391531.1	573922	946.0	814.7	898.9	1425.0	653.1	3001.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus

s__unclassified	49816
s__unclassified	49819
s__unclassified	49820
s__unclassified	49821
s__unclassified	49822
s__unclassified	49824
s__unclassified	49827
s__unclassified	49834
s__unclassified	49835
s__unclassified	49837
s__unclassified	49838
s__unclassified	49848
s__unclassified	49860
s__unclassified	49862
s__unclassified	49864
s__unclassified	49865
s__unclassified	49868
s__unclassified	49869
s__unclassified	49873
s__unclassified	49874
s__unclassified	49875
s__unclassified	49876
s__unclassified	49887
s__unclassified	49888
s__unclassified	49891
s__unclassified	49897
s__unclassified	49898
s__unclassified	49900
s__unclassified	49910
s__unclassified	49912
s__unclassified	49915
s__unclassified	49916
s__unclassified	49917
s__unclassified	49923
s__unclassified	49925
s__unclassified	49929
s__unclassified	49935
s__unclassified	49936
s__unclassified	49937
s__unclassified	49939
s__unclassified	49942

FJ266313.1 gg_id:540830 Bacillus licheniformis str. RFNB2
FJ435234.1 gg_id:361712 Bacillus subtilis str. 25
DQ898281.1 gg_id:167016 Bacillus catenulatus str. XJU-1
AM910588.1 gg_id:272861 Bacillus licheniformis str. 68.5
AB508839.1 gg_id:588430 Bacillus licheniformis str. CMBL-Hg2
GQ280023.1 gg_id:564208 Bacillus licheniformis str. BJ-13
EU722711.1 gg_id:341178 Bacillus sp. str. SBC4
EU918561.1 gg_id:320060 Bacillus marisflavi str. NY-4
EU366369.1 gg_id:276519 Bacillus subtilis str. I1
FM180523.1 gg_id:325682 Bacillus pumilus str. B9
AY929251.1 gg_id:113947 Bacillus subtilis str. CG-312
FJ538256.1 gg_id:566024 Bacillus sp. str. DHVB1
FJ686818.1 gg_id:563067 Bacillus amyloliquefaciens str. LB1
DQ911348.1 gg_id:235458 Bacillus subtilis str. BMT4i
DQ870689.1 gg_id:225483 Bacillus pumilus str. KSC_SF6h
EU182884.1 gg_id:238431 Bacillus sp. str. MH56
EU867370.1 gg_id:577641 Bacillus asahii str. CCGE2069
FJ392725.1 gg_id:369758 Bacillus subtilis str. F1-5
AF157696.1 gg_id:14668 Bacillus macroides str. dhr2
EU341173.1 gg_id:247284 Evaluation Rapid Technologies Estimate Microbial Burden and Commercial Airline Ca
EF474343.1 gg_id:218989 Bacillus subtilis str. DC10
EU689157.1 gg_id:367096 Bacillus amyloliquefaciens str. ATCC 23842
GQ305125.1 gg_id:582824 Bacillus subtilis str. xw-2
EF101730.1 gg_id:190540 Bacillus firmus str. GB1
DQ911347.1 gg_id:244447 Paenibacillus lautus str. DMT637
GU385855.1 gg_id:514350 Bacillus simplex str. QT9
AY603658.1 gg_id:107172 Bacillus velezensis str. CR-502
DQ993679.1 gg_id:172763 Bacillus sonorensis str. BCRC 17532
GQ872187.1 gg_id:555382 Bacillus subtilis str. W39
EF032675.1 gg_id:193811 Bacillus pumilus str. AU18
FJ427970.1 gg_id:363928 Bacillus subtilis str. XJAS-ZB-36
GQ280087.1 gg_id:511562 Bacillus licheniformis str. JS-17
AY167822.1 gg_id:77384 Bacillus macroides str. SAFN-005
EU048273.1 gg_id:238028 Bacillus pumilus str. MASH
AY962473.1 gg_id:114704 Bacillus subtilis str. P40
GQ871450.1 gg_id:542698 Bacillus licheniformis str. KK2
FJ999555.1 gg_id:462822 Bacillus pumilus str. HLSB4
AM910583.1 gg_id:261115 Bacillus licheniformis str. 51.4
FN395272.1 gg_id:455038 Bacillus pumilus str. FR-S1Aa
EU561347.1 gg_id:262362 Bacillus subtilis str. B-16
GU594321.1 gg_id:519610 Bacillus aquimaris str. AP.MSU5

FJ266313.1	540830	5375.7	5325.0	3618.5	3269.6	4074.8	5700.0
FJ435234.1	361712	376.1	537.9	956.0	484.1	277.6	2772.5
DQ898281.1	167016	2096.5	2727.4	2649.0	832.7	567.8	3381.0
AM910588.1	272861	169.5	176.6	330.8	110.9	74.5	930.5
AB508839.1	588430	725.2	1123.8	517.6	271.5	685.1	1787.6
GQ280023.1	564208	556.9	1067.2	767.9	407.6	1992.2	5343.0
EU722711.1	341178	5370.5	5385.1	3659.3	4706.5	2806.7	4919.9
EU918561.1	320060	4377.7	4268.0	3308.0	5186.4	4901.1	6391.6
EU366369.1	276519	519.1	880.6	580.8	250.2	179.0	1203.7
FM180523.1	325682	5021.7	6082.4	1983.6	2268.1	3653.2	4305.7
AY929251.1	113947	1184.9	1698.4	1499.7	1745.1	1756.8	2398.6
FJ538256.1	566024	16055.0	15346.9	8617.6	14933.3	12400.2	12274.0
FJ686818.1	563067	1344.1	1272.6	554.7	432.7	297.8	428.1
DQ911348.1	235458	335.7	569.4	896.7	393.3	700.3	3549.0
DQ870689.1	225483	4164.3	5623.7	4509.4	4857.4	5583.2	1476.6
EU182884.1	238431	1315.6	1635.1	1542.0	1620.8	982.9	2801.1
EU867370.1	577641	2301.9	2211.3	2857.4	2093.7	1514.8	2868.9
FJ392725.1	369758	6899.0	7107.9	3867.2	7281.0	13930.0	10615.8
AF157696.1	14668	109.2	467.8	353.8	184.4	111.9	1663.9
EU341173.1	247284	14444.3	14965.8	16319.7	12400.8	16036.0	16654.8
EF474343.1	218989	1070.7	1320.7	834.9	396.9	145.9	1658.7
EU689157.1	367096	4753.2	4101.8	840.0	1744.0	1435.5	2227.5
GQ305125.1	582824	2527.8	2665.9	1910.1	1799.3	1351.4	2326.3
EF101730.1	190540	77.0	125.2	233.5	143.6	79.7	1019.1
DQ911347.1	244447	55.8	83.1	207.0	103.7	459.4	1490.1
GU385855.1	514350	7021.4	7217.4	8439.8	8130.0	6034.9	7859.4
AY603658.1	107172	838.9	1081.6	945.5	419.5	1179.2	1180.2
DQ993679.1	172763	562.6	877.2	1288.0	682.1	614.7	3100.9
GQ872187.1	555382	28.8	27.4	16.2	37.8	53.7	47.2
EF032675.1	193811	8931.8	12507.4	6993.3	7761.9	14948.2	10902.1
FJ427970.1	363928	503.2	609.1	858.0	703.4	464.0	1897.4
GQ280087.1	511562	2526.7	2616.0	1540.1	3393.9	4434.7	5873.0
AY167822.1	77384	4175.7	2804.9	1916.4	3981.8	2055.0	2904.2
EU048273.1	238028	7766.3	8117.4	4986.0	10731.0	14101.7	12278.4
AY962473.1	114704	1165.2	1412.0	1501.8	519.0	1356.9	2465.3
GQ871450.1	542698	109.0	160.1	306.2	183.7	97.4	1526.1
FJ999555.1	462822	562.6	984.4	696.8	315.4	1528.4	2632.1
AM910583.1	261115	224.1	398.4	331.3	122.1	60.9	313.2
FN395272.1	455038	646.7	823.4	388.4	434.4	709.2	1239.3
EU561347.1	262362	503.6	588.6	1047.7	632.6	1085.6	1875.7
GU594321.1	519610	2167.4	1327.6	3174.1	3061.7	1020.1	1179.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus

s__unclassified	49945
s__unclassified	49950
s__unclassified	49951
s__unclassified	49952
s__unclassified	49955
s__unclassified	49957
s__unclassified	49958
s__unclassified	49960
s__unclassified	49966
s__unclassified	49967
s__unclassified	49968
s__unclassified	49972
s__unclassified	49975
s__unclassified	49976
s__unclassified	49981
s__unclassified	49984
s__unclassified	49985
s__unclassified	50268
s__unclassified	72391
s__unclassified	76979
s__Geobacillus debilis	48733
s__Geobacillus debilis	49572
s__Geobacillus pallidus	46461
s__Geobacillus pallidus	46956
s__Geobacillus pallidus	46987
s__Geobacillus pallidus	47350
s__Geobacillus pallidus	47368
s__Geobacillus pallidus	47468
s__Geobacillus pallidus	47675
s__Geobacillus pallidus	48013
s__Geobacillus pallidus	48030
s__Geobacillus pallidus	48183
s__Geobacillus sp. WCH70	46453
s__Geobacillus thermodenitrificans	46486
s__Geobacillus thermodenitrificans	46683
s__Geobacillus thermodenitrificans	47717
s__Geobacillus thermodenitrificans	47933
s__Geobacillus thermodenitrificans	48082
s__Geobacillus thermoglucosidasius	46980
s__Geobacillus vulcani	47592
s__unclassified	45931

DQ631809.1 gg_id:160814 Bacillus subtilis str. A32
FM180510.1 gg_id:312929 Bacillus sp. ZZ-2008 str. A6
AY553090.1 gg_id:103226 Bacillus sp. str. GSP74
AY971363.1 gg_id:115327 Bacillus subtilis str. CICC10150
FJ544350.1 gg_id:420591 Bacillus subtilis str. ji09
AY114158.1 gg_id:63981 Bacillus subtilis str. GL
DQ350833.1 gg_id:149060 Empedobacter brevis str. N1
GQ503324.1 gg_id:584233 Bacillus licheniformis str. AsK03
EF113324.1 gg_id:191576 Bacillus licheniformis LB 6C
FJ937901.1 gg_id:509065 Bacillus sp. str. LS52
GU392041.1 gg_id:575901 Bacillus licheniformis str. KBDL4
EU571194.1 gg_id:273050 Bacillus sp. str. 25-7
EU586319.1 gg_id:270613 Bacillus subtilis str. P*46
EF101708.1 gg_id:190005 Bacillus subtilis str. HU50
FJ906822.1 gg_id:563243 Bacillus subtilis str. L520
GQ121033.1 gg_id:430149 Bacillus amyloliquefaciens str. TSWK1-1
DQ923215.1 gg_id:196582 Bacillus sp. m3-9
FJ226762.1 gg_id:341035 Bacillus oshimensis str. OS4
EU240392.1 gg_id:249403 Bacillus megaterium str. B100
GQ280014.1 gg_id:594063 Bacillus sp. str. BJ-4
EF661579.1 gg_id:246165 strict anaerobic extreme thermophilic hydrogen-producing enriched digested lab-sca
AJ564608.1 gg_id:87915 Geobacillus debilis str. F10
FJ808721.1 gg_id:523365 Geobacillus pallidus str. P112
FJ808724.1 gg_id:529616 Geobacillus pallidus str. P161
EU935594.1 gg_id:317043 Geobacillus pallidus str. M71
EU935598.1 gg_id:305020 Geobacillus pallidus str. AH23
FJ417407.1 gg_id:365570 Geobacillus pallidus str. P86
EU935593.1 gg_id:315068 Geobacillus pallidus str. P45
FJ808718.1 gg_id:520138 Geobacillus pallidus str. P66
FJ417405.1 gg_id:367668 Geobacillus pallidus str. P22
FJ808716.1 gg_id:523683 Geobacillus pallidus str. G19A
EU935591.1 gg_id:340153 Geobacillus pallidus str. P26
AY608982.1 gg_id:104271 Geobacillus toebii str. BGSC 99A1
AJ005760.1 gg_id:14539 Geobacillus stearothermophilus str. K1041
EU271906.1 gg_id:244287 Geobacillus sp. str. LV-3
AB116108.1 gg_id:91321 Geobacillus thermodenitrificans str. T1600
AF114424.1 gg_id:14536 Geobacillus thermodenitrificans str. NS
GQ180112.1 gg_id:542840 Bacillus clausii str. DF3
AY608984.1 gg_id:104580 Geobacillus thermoglucosidasius str. BGSC W9A15
EU484349.1 gg_id:274601 Geobacillus vulcani str. BCRC 17563
EU214622.1 gg_id:323684 Geobacillus stearothermophilus mt-22

DQ631809.1	160814	1276.0	1894.2	1804.9	1798.7	1769.6	2945.8
FM180510.1	312929	4165.2	7650.3	1435.6	2328.0	3599.6	3149.5
AY553090.1	103226	704.5	694.0	1309.5	691.1	671.2	1238.2
AY971363.1	115327	3760.6	3279.8	3801.5	4669.8	812.8	3405.1
FJ544350.1	420591	1275.6	1382.3	1068.6	979.0	714.5	1542.7
AY114158.1	63981	2013.2	2673.1	1894.2	2694.2	2846.7	3259.0
DQ350833.1	149060	727.6	954.8	667.0	1083.0	1492.9	1108.3
GQ503324.1	584233	5456.1	4840.1	3405.3	4648.9	3275.4	6160.5
EF113324.1	191576	7440.4	5160.5	4303.0	7288.9	508.1	4270.3
FJ937901.1	509065	6295.1	6556.8	5068.9	3962.8	5006.9	5333.3
GU392041.1	575901	860.5	836.8	920.0	1075.6	1188.2	2782.2
EU571194.1	273050	2660.9	1917.6	1625.6	1685.5	205.0	1598.5
EU586319.1	270613	1427.3	1524.3	1445.3	1754.2	3323.6	2530.8
EF101708.1	190005	1790.1	2094.2	2375.1	2330.9	8083.3	6390.9
FJ906822.1	563243	15050.8	18524.2	8916.8	11708.0	15163.3	14310.3
GQ121033.1	430149	8461.8	6497.3	6528.7	6077.5	4584.2	5237.8
DQ923215.1	196582	3110.8	3329.5	3030.2	5952.5	2675.9	3054.8
FJ226762.1	341035	9016.2	10263.0	12610.1	8641.1	11429.5	8906.1
EU240392.1	249403	4001.0	3308.6	2117.6	5518.5	8159.9	5931.7
GQ280014.1	594063	1838.5	2138.6	1795.6	3074.5	3622.2	3347.6
EF661579.1	246165	794.0	1560.8	529.1	174.1	1040.5	822.2
AJ564608.1	87915	12473.8	17253.6	8517.7	9864.1	14353.3	12215.0
FJ808721.1	523365	208.1	443.9	1034.6	332.0	165.7	838.5
FJ808724.1	529616	652.2	1540.4	1785.7	1125.3	2314.4	2393.7
EU935594.1	317043	197.5	387.8	815.5	292.5	157.2	789.6
EU935598.1	305020	2707.7	2653.0	1493.8	3244.1	5709.9	4951.5
FJ417407.1	365570	4801.7	4506.4	2052.2	5348.9	7726.5	6878.7
EU935593.1	315068	8551.2	8939.0	6797.0	5980.6	8499.7	7784.6
FJ808718.1	520138	6578.4	6421.9	4228.5	6678.8	9203.7	7685.3
FJ417405.1	367668	176.6	355.8	939.7	317.6	133.6	767.2
FJ808716.1	523683	160.3	298.3	911.7	248.5	147.4	574.9
EU935591.1	340153	197.6	352.1	727.9	304.3	152.9	451.4
AY608982.1	104271	1125.8	1411.2	3641.0	519.3	1832.6	1801.6
AJ005760.1	14539	5004.7	5891.8	2813.5	4726.1	4071.0	6089.7
EU271906.1	244287	910.1	1053.4	2029.9	1029.3	790.2	1496.3
AB116108.1	91321	1512.9	2293.5	1894.7	774.9	952.3	2214.6
AF114424.1	14536	902.3	1280.0	2173.8	708.8	2478.5	2252.3
GQ180112.1	542840	336.7	532.2	710.4	198.1	132.0	622.2
AY608984.1	104580	461.9	576.9	868.5	271.8	318.2	734.5
EU484349.1	274601	671.9	1009.9	1095.6	394.3	316.7	844.3
EU214622.1	323684	2227.4	3226.3	2734.5	882.7	1673.1	1653.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus

s__unclassified	45966
s__unclassified	46004
s__unclassified	46048
s__unclassified	46066
s__unclassified	46075
s__unclassified	46097
s__unclassified	46148
s__unclassified	46168
s__unclassified	46191
s__unclassified	46198
s__unclassified	46214
s__unclassified	46227
s__unclassified	46257
s__unclassified	46287
s__unclassified	46292
s__unclassified	46301
s__unclassified	46330
s__unclassified	46403
s__unclassified	46411
s__unclassified	46413
s__unclassified	46428
s__unclassified	46510
s__unclassified	46524
s__unclassified	46538
s__unclassified	46543
s__unclassified	46549
s__unclassified	46558
s__unclassified	46583
s__unclassified	46595
s__unclassified	46615
s__unclassified	46689
s__unclassified	46735
s__unclassified	46739
s__unclassified	46745
s__unclassified	46759
s__unclassified	46769
s__unclassified	46796
s__unclassified	46829
s__unclassified	46868
s__unclassified	46893
s__unclassified	46993

GQ103865.1 gg_id:453303 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
AY373321.1 gg_id:94874 Bacillus pallidus str. R-7748
AY608948.1 gg_id:102908 Geobacillus stearothermophilus str. BGSC 9A5
GQ255948.1 gg_id:533915 Geobacillus toebii str. HBB-218
EU381187.1 gg_id:352606 Geobacillus stearothermophilus str. GBPI-13
AY466700.1 gg_id:104680 Anoxybacillus toebii str. NS1-1
AY608945.1 gg_id:102443 Geobacillus lituanicus str. BGSC W9A89
NR_025143.1 gg_id:563677 Geobacillus toebii str. SK-1; KCTC 0306BP
Z26930.1 gg_id:14542 Geobacillus pallidus str. DSM 3670*
AJ489330.1 gg_id:70432 Geobacillus thermoleovorans I80
AY312404.1 gg_id:88427 Geobacillus jurassicus str. DS1
AJ489328.1 gg_id:70679 Geobacillus thermoleovorans T70
GQ112279.1 gg_id:374316 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
EU484350.1 gg_id:275411 Geobacillus lituanicus str. BCRC 17562
NR_028708.1 gg_id:588849 Geobacillus caldoxylosilyticus str. S1812; DSM 12041; ATCC 700356
EU214631.1 gg_id:334523 Geobacillus stearothermophilus mb-5
DQ298736.1 gg_id:183369 Geobacillus thermoglucosidasius str. NP-1
AY450926.1 gg_id:100906 Geobacillus thermoleovorans str. GE-7
GQ097137.1 gg_id:382259 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
AB543491.1 gg_id:573601 Geobacillus pallidus str. NCCP-131
GQ180113.1 gg_id:547508 Bacillus clausii str. DF4
FJ808714.1 gg_id:515344 Geobacillus toebii str. G7
GQ112234.1 gg_id:416050 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
EF490600.2 gg_id:245586 Geobacillus pallidus str. C5
GQ111503.1 gg_id:421722 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw581
FJ808712.1 gg_id:524476 Geobacillus stearothermophilus str. Ah22
Z26929.1 gg_id:14566 Bacillus sp str. DSM 2349
AB210953.1 gg_id:115284 Geobacillus toebii str. SSCT84-3
AY682097.1 gg_id:106402 Geobacillus stearothermophilus str. 49
Z26922.1 gg_id:14568 Bacillus caldotenax str. DSM 406
DQ355387.1 gg_id:147769 Solubilization and biodegradation polycyclic aromatic hydrocarbons under condition
AJ005759.1 gg_id:14531 Geobacillus stearothermophilus str. NUB3621
AY550104.1 gg_id:104797 Geobacillus thermocatenulatus hs6
AF411064.1 gg_id:45180 Geobacillus anatolicus str. SB
EU214619.1 gg_id:309162 Geobacillus stearothermophilus ir-25
AF411065.1 gg_id:34112 Geobacillus kaue str. HU
FJ808717.1 gg_id:515154 Geobacillus toebii str. M66A
AJ564619.1 gg_id:87954 Geobacillus caldoxylosilyticus Tk
AB210959.1 gg_id:115180 Geobacillus toebii str. SSCT82-1
AB089238.1 gg_id:58657 Bacillus sp. str. VA2
AB210957.1 gg_id:115310 Geobacillus toebii str. SSCT82-3

GQ103865.1	453303	914.1	1257.1	4198.8	653.5	3363.1	2274.0
AY373321.1	94874	646.6	984.4	2247.3	1143.8	494.8	1896.7
AY608948.1	102908	472.6	592.4	896.7	280.1	330.5	756.8
GQ255948.1	533915	694.9	1108.8	3421.1	431.2	1820.0	1714.9
EU381187.1	352606	7062.7	9285.4	7811.5	6679.8	15112.9	12790.6
AY466700.1	104680	157.8	230.3	120.4	133.4	602.1	317.1
AY608945.1	102443	1365.0	1632.2	1692.4	700.4	2276.5	2134.3
NR_025143.1	563677	447.5	866.5	1896.2	405.6	599.6	1506.8
Z26930.1	14542	318.8	499.3	905.7	418.4	172.1	836.2
AJ489330.1	70432	8815.2	7760.0	4558.9	7169.6	6843.3	7392.1
AY312404.1	88427	2156.1	3134.1	1845.0	817.9	919.0	1428.7
AJ489328.1	70679	8089.5	6902.1	2439.6	9454.3	11121.3	10054.1
GQ112279.1	374316	1782.5	1906.4	1256.4	2214.4	6686.0	4795.9
EU484350.1	275411	988.4	1227.9	1071.1	271.8	340.3	516.2
NR_028708.1	588849	14022.4	14524.5	10335.5	10888.3	15539.5	13548.4
EU214631.1	334523	5496.3	5398.0	5225.0	5925.4	16264.7	12479.5
DQ298736.1	183369	9512.3	9950.1	6712.3	6929.6	7659.6	7959.6
AY450926.1	100906	2763.2	3576.9	1508.5	1020.5	1399.1	2115.6
GQ097137.1	382259	639.6	1225.7	3132.5	521.4	3425.5	2765.1
AB543491.1	573601	330.7	678.8	995.8	410.4	205.9	1281.3
GQ180113.1	547508	602.1	625.4	985.5	610.5	286.5	677.3
FJ808714.1	515344	3157.0	3685.0	6151.8	2657.1	4083.7	3806.8
GQ112234.1	416050	521.0	919.4	3152.0	479.1	3484.7	2436.1
EF490600.2	245586	6594.0	7752.6	7700.4	7224.4	14411.5	11891.4
GQ111503.1	421722	597.8	418.5	1467.5	303.3	762.2	971.2
FJ808712.1	524476	2887.3	4670.8	4259.1	1004.5	2563.3	2788.4
Z26929.1	14566	303.4	501.8	966.6	387.0	187.9	932.0
AB210953.1	115284	5778.0	4632.3	2005.5	5944.4	6660.2	5945.8
AY682097.1	106402	1502.4	2318.6	1333.9	605.2	669.2	1012.6
Z26922.1	14568	496.0	830.2	1417.5	326.6	310.0	648.0
DQ355387.1	147769	8484.8	6829.6	3375.1	8326.2	6152.5	5965.6
AJ005759.1	14531	382.4	520.0	369.5	123.8	141.0	440.6
AY550104.1	104797	858.3	1330.8	1041.4	273.8	478.1	490.1
AF411064.1	45180	6809.4	6780.9	6183.8	6091.9	7014.2	5939.0
EU214619.1	309162	9807.0	10042.4	4892.3	9638.8	16570.4	12302.8
AF411065.1	34112	4858.3	4423.6	2716.5	5952.8	6203.7	4928.4
FJ808717.1	515154	686.0	1011.3	3584.0	417.8	1914.9	1898.7
AJ564619.1	87954	274.8	608.1	2280.4	300.6	1291.5	1228.1
AB210959.1	115180	6709.3	7809.7	7605.6	5138.0	7558.5	5885.1
AB089238.1	58657	7247.9	9642.5	4712.5	4991.6	12050.5	9005.0
AB210957.1	115310	1321.4	1227.9	2665.9	1295.6	2313.1	1943.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus

s__unclassified	47040
s__unclassified	47044
s__unclassified	47045
s__unclassified	47064
s__unclassified	47080
s__unclassified	47082
s__unclassified	47113
s__unclassified	47134
s__unclassified	47189
s__unclassified	47197
s__unclassified	47255
s__unclassified	47280
s__unclassified	47329
s__unclassified	47348
s__unclassified	47365
s__unclassified	47367
s__unclassified	47370
s__unclassified	47371
s__unclassified	47398
s__unclassified	47405
s__unclassified	47434
s__unclassified	47483
s__unclassified	47497
s__unclassified	47502
s__unclassified	47534
s__unclassified	47539
s__unclassified	47576
s__unclassified	47589
s__unclassified	47598
s__unclassified	47628
s__unclassified	47695
s__unclassified	47710
s__unclassified	47769
s__unclassified	47771
s__unclassified	47807
s__unclassified	47810
s__unclassified	47824
s__unclassified	47826
s__unclassified	47899
s__unclassified	47919
s__unclassified	47973

EU214614.1 gg_id:338137 Geobacillus thermoleovorans hs-1
DQ870685.1 gg_id:218913 Geobacillus caldoxylosilyticus str. KSC_T6b
GQ487459.1 gg_id:590908 Geobacillus toebii str. HBB-247
EU381193.1 gg_id:352145 Geobacillus stearothermophilus str. GBPI-12
AY608936.1 gg_id:106419 Geobacillus thermoleovorans str. BGSC 96A1
GQ096866.1 gg_id:406506 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
FJ417401.1 gg_id:362377 Geobacillus pallidus str. P4
EU214620.1 gg_id:336321 Geobacillus stearothermophilus it-8
EU652071.1 gg_id:273513 Geobacillus stearothermophilus str. mm-19
EU381183.1 gg_id:325891 Geobacillus stearothermophilus str. GBPI-5
NC_006510.1 gg_id:128657 Geobacillus kaustophilus str. HTA426
FN428682.1 gg_id:571762 Geobacillus pallidus str. R-35634
EU214627.1 gg_id:335894 Geobacillus toebii mc-12
FJ429998.1 gg_id:357811 Geobacillus sp. A364
X60618.1 gg_id:14567 Geobacillus kaustophilus str. NCIMB 8547
EF469734.1 gg_id:222519 Geobacillus vulgivagus str. CDZ 1
EF025325.1 gg_id:186620 Geobacillus stearothermophilus str. ARM 1
EU621361.1 gg_id:279618 Geobacillus pallidus str. DR03
EU484353.1 gg_id:272744 Bacillus caldovelox str. BCRC 11957
L09227.1 gg_id:14553 Saccharococcus thermophilus
EF535794.1 gg_id:218748 Geobacillus toebii str. T85
AY248718.1 gg_id:86077 Geobacillus caldoxylosilyticus str. TK4
AY491497.1 gg_id:107338 Geobacillus stearothermophilus
M77488.1 gg_id:14564 Bacillus thermoleovorans
EU484357.1 gg_id:268222 Geobacillus kaustophilus str. BCRC 11223
AY248717.1 gg_id:85270 Geobacillus thermoleovorans str. G1
EU884294.1 gg_id:338217 Geobacillus stearothermophilus str. BMSCE-1
AM947545.1 gg_id:260757 Minor changes detected microbial structure and after three week thermophilic dige
X57309.1 gg_id:14552 Geobacillus stearothermophilus str. T10
EU652094.1 gg_id:276376 Geobacillus subterraneus str. ra-11
EU214626.1 gg_id:318116 Geobacillus toebii mc-9
AY952967.1 gg_id:114690 Bacillus caldotenax str. CCSD 3900
AY297092.2 gg_id:88437 Geobacillus stearothermophilus str. BGSC 9A21; DSM 13240
AY536054.1 gg_id:104537 Bacillus pallidus str. Row2A1
GQ180111.1 gg_id:580954 Bacillus clausii str. DF2
DQ923400.1 gg_id:197471 Geobacillus stearothermophilus str. 5
AF276305.1 gg_id:23251 Geobacillus uzenensis str. X
DQ452018.1 gg_id:219154 Bacillus sp. HT4
FN428688.1 gg_id:541063 Geobacillus uzenensis str. R-35640
AY608938.1 gg_id:106733 Bacillus caldovelox str. BGSC 96A5
EU428777.1 gg_id:274145 Geobacillus toebii str. DPE7

EU214614.1	338137	13248.5	12120.2	12046.2	8997.5	13914.9	11081.2
DQ870685.1	218913	1133.8	1360.0	3595.0	522.9	1834.4	1923.9
GQ487459.1	590908	2018.2	2019.9	2440.9	1431.0	2318.4	2116.1
EU381193.1	352145	896.8	1191.1	1160.9	248.0	351.7	535.4
AY608936.1	106419	620.2	972.7	1004.8	317.3	310.9	610.4
GQ096866.1	406506	644.2	1126.1	3432.6	405.6	1933.5	1969.3
FJ417401.1	362377	7098.1	7930.3	3703.3	5471.1	8418.7	6934.0
EU214620.1	336321	6359.3	7842.6	6943.0	4716.0	10414.5	8093.6
EU652071.1	273513	6386.7	7244.7	4186.3	4511.5	2165.3	3800.2
EU381183.1	325891	3493.9	4832.6	5895.5	2500.1	5474.7	4280.1
NC_006510.1	128657	693.7	1062.2	1178.0	433.6	330.9	828.7
FN428682.1	571762	297.6	531.0	693.1	407.3	119.0	1046.5
EU214627.1	335894	607.4	840.8	2420.3	426.6	1319.7	1274.6
FJ429998.1	357811	3319.7	4584.5	4025.3	6668.5	6368.4	6039.7
X60618.1	14567	703.7	1134.9	1245.4	284.8	361.0	681.0
EF469734.1	222519	484.6	660.7	771.2	202.6	252.3	386.9
EF025325.1	186620	1593.2	2308.1	1301.7	581.8	649.0	1060.2
EU621361.1	279618	361.7	704.8	1350.8	508.6	207.4	1167.5
EU484353.1	272744	299.8	584.5	702.1	176.4	241.4	311.6
L09227.1	14553	1217.0	1344.4	3776.2	629.0	1365.9	1975.5
EF535794.1	218748	4568.9	5507.9	4388.5	4708.9	3919.7	4944.5
AY248718.1	86077	15472.9	15871.5	7759.5	12097.3	13763.3	13204.2
AY491497.1	107338	6198.4	6805.4	6546.5	5367.2	7707.1	6580.1
M77488.1	14564	2080.8	2019.3	1073.8	1958.2	2983.9	2283.7
EU484357.1	268222	2312.6	2074.9	1257.9	1613.9	1823.3	2138.4
AY248717.1	85270	4333.8	4102.8	2636.0	3154.4	4420.0	4142.8
EU884294.1	338217	5418.2	5736.3	1617.2	3389.0	4072.2	3981.4
AM947545.1	260757	1476.4	1234.2	206.3	141.8	225.1	630.7
X57309.1	14552	3291.3	5054.4	3689.1	1029.0	1624.8	1891.6
EU652094.1	276376	6254.5	7865.3	4519.2	6007.8	10874.9	8808.7
EU214626.1	318116	614.0	934.7	2437.0	404.8	1320.8	1244.7
AY952967.1	114690	946.6	1253.9	1905.5	533.6	899.0	1391.7
AY297092.2	88437	1158.8	2335.4	1803.1	318.1	1001.4	787.6
AY536054.1	104537	251.9	238.8	480.0	147.9	129.4	649.9
GQ180111.1	580954	656.6	750.7	1179.4	703.3	310.3	949.6
DQ923400.1	197471	1601.8	2504.6	2109.6	727.6	1249.2	1524.6
AF276305.1	23251	12176.0	11731.8	11990.3	9939.4	8561.0	8789.2
DQ452018.1	219154	198.3	431.7	688.9	366.7	98.0	644.4
FN428688.1	541063	1011.6	1429.2	1927.4	826.4	825.5	1320.6
AY608938.1	106733	520.7	797.9	755.5	252.8	244.1	426.0
EU428777.1	274145	650.0	873.6	2347.0	418.2	1307.1	1306.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Geobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus

s__unclassified	48023
s__unclassified	48068
s__unclassified	48130
s__unclassified	50419
s__Halobacillus dabanensis	46751
s__Halobacillus dabanensis	47217
s__Halobacillus dabanensis	47662
s__Halobacillus salinus	47136
s__Halobacillus salinus	47894
s__Halobacillus salinus	48017
s__Halobacillus trueperi	46112
s__Halobacillus trueperi	46124
s__Halobacillus trueperi	46137
s__Halobacillus trueperi	46300
s__Halobacillus trueperi	46427
s__Halobacillus trueperi	46648
s__Halobacillus trueperi	46658
s__Halobacillus trueperi	46938
s__Halobacillus trueperi	47218
s__Halobacillus trueperi	47430
s__Halobacillus trueperi	47580
s__Halobacillus trueperi	47671
s__Halobacillus trueperi	47781
s__Halobacillus trueperi	47815
s__Halobacillus trueperi	47932
s__Halobacillus trueperi	47942
s__Halobacillus trueperi	48086
s__Halobacillus virgiliensis	47488
s__unclassified	46085
s__unclassified	46143
s__unclassified	46326
s__unclassified	46379
s__unclassified	46412
s__unclassified	46459
s__unclassified	46467
s__unclassified	46787
s__unclassified	46916
s__unclassified	47071
s__unclassified	47121
s__unclassified	47163
s__unclassified	47167

EU381188.1 gg_id:307004 Geobacillus stearothermophilus str. GBPI-1
FJ808713.1 gg_id:524678 Geobacillus toebii str. G5A
AY608975.1 gg_id:99643 Geobacillus kaue str. BGSC W9A78
EU710557.1 gg_id:349122 Bacillus sp. str. TSSC-3
GQ903452.1 gg_id:580022 Halobacillus dabanensis str. XJSL8-3
GU397404.1 gg_id:520933 Halobacillus dabanensis str. B1B
GQ903455.1 gg_id:552668 Halobacillus dabanensis str. XJSL8-6
FJ937910.1 gg_id:533869 Halobacillus litoralis str. LS93
AY190534.1 gg_id:80237 Halobacillus locisalis str. MSS-155
NR_025244.1 gg_id:543606 Halobacillus salinus str. HSL-3; KCCM 41590
FJ444962.1 gg_id:582194 Halobacillus trueperi str. whb16
AM950312.1 gg_id:274816 Halobacillus sp. US16 HS-2008
AM160651.1 gg_id:249267 Halobacillus sp. str. Hallo B
FJ444988.1 gg_id:567005 Halobacillus trueperi str. whb42
FJ999556.1 gg_id:379642 Halobacillus trueperi str. HLSB14
FJ444972.1 gg_id:509677 Halobacillus trueperi str. whb26
FJ444991.1 gg_id:593188 Halobacillus trueperi str. whb45
DQ458840.1 gg_id:156999 Halobacillus sp. str. YT243
GQ092595.1 gg_id:462431 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
DQ981806.1 gg_id:181241 Halotolerant aerobic waters and shal groundwater along Rouge southeastern Michig
AB539830.1 gg_id:581121 Halobacillus sp. str. SVT12-2
EF533970.1 gg_id:265846 Halobacillus sp. str. Y13
DQ458839.1 gg_id:156629 Halobacillus sp. str. YT242
EU624440.1 gg_id:280361 Halobacillus trueperi str. S6-16
AB198758.1 gg_id:110746 Halobacillus sp. str. IS-Hb9
EU624420.1 gg_id:282283 Halobacillus trueperi str. S8-16
FJ444952.1 gg_id:584666 Halobacillus trueperi str. whb6
AM161501.1 gg_id:144741 Halobacillus virgiliensis str. S21
AB305176.1 gg_id:229439 Halobacillus sp. str. S19-3
EU170130.1 gg_id:242105 Halobacillus sp. str. T15
DQ089676.1 gg_id:128093 Halobacillus trueperi str. I101
AB243865.1 gg_id:235317 Halobacillus faecis str. IGA7-4
FJ937876.1 gg_id:570452 Halobacillus trueperi str. LS5
AB539831.1 gg_id:554742 Halobacillus sp. str. SVT14
GQ342530.1 gg_id:545041 Halobacillus mangrovi str. VKSJ-1
X94558.1 gg_id:14614 Halobacillus litoralis str. SL-4
AM295006.1 gg_id:254422 Halobacillus sp. str. FP5
FJ746574.1 gg_id:537031 Halobacillus sp. str. H57B77
AM161506.1 gg_id:144979 Halobacillus styriensis str. I3A
FJ999554.1 gg_id:439688 Halobacillus trueperi str. HLSB3
FJ386520.1 gg_id:552974 Halobacillus sp. str. IA-27

EU381188.1	307004	1494.8	2580.9	1915.9	474.0	1008.9	1118.8
FJ808713.1	524678	4382.0	3410.5	4469.2	3171.3	3593.2	4462.7
AY608975.1	99643	280.2	404.2	903.9	289.4	463.8	670.9
EU710557.1	349122	2104.2	2238.9	2024.6	1285.0	2076.9	2661.5
GQ903452.1	580022	2379.7	1978.8	1443.5	893.1	887.2	1373.4
GU397404.1	520933	1781.9	1242.0	1345.1	348.2	566.4	1516.6
GQ903455.1	552668	1680.6	1457.4	1117.8	862.6	388.0	3045.0
FJ937910.1	533869	326.4	696.2	920.8	412.1	515.4	1758.1
AY190534.1	80237	397.5	635.0	845.3	180.8	583.2	988.8
NR_025244.1	543606	918.2	1121.0	402.9	83.1	62.6	804.6
FJ444962.1	582194	6708.7	4849.1	2748.7	7147.0	10181.3	10276.9
AM950312.1	274816	730.7	915.7	985.2	315.2	864.2	861.1
AM160651.1	249267	2269.0	2133.4	1662.6	1063.0	1768.4	2352.7
FJ444988.1	567005	1066.0	832.0	1131.4	348.6	854.5	923.0
FJ999556.1	379642	5951.5	3595.3	1222.6	1396.4	1974.7	2153.5
FJ444972.1	509677	1071.4	841.2	1119.2	351.2	889.7	917.3
FJ444991.1	593188	792.3	579.9	1362.4	413.1	512.6	1173.5
DQ458840.1	156999	1295.3	2060.1	2558.4	720.6	589.0	1394.4
GQ092595.1	462431	4417.6	4395.8	5887.9	6495.2	6759.2	8310.5
DQ981806.1	181241	1917.3	1563.5	1042.0	822.3	648.6	1462.5
AB539830.1	581121	6071.1	5602.5	2428.1	1897.2	5442.4	3774.8
EF533970.1	265846	1866.9	1397.9	486.5	1646.6	1750.9	2597.3
DQ458839.1	156629	4250.6	1832.7	4023.0	4371.8	184.8	1041.8
EU624440.1	280361	993.6	788.2	1043.3	333.6	869.7	962.4
AB198758.1	110746	521.3	417.5	957.7	357.5	534.9	643.6
EU624420.1	282283	1149.5	991.7	1132.8	355.6	857.6	919.7
FJ444952.1	584666	348.6	271.1	602.3	210.3	296.4	370.5
AM161501.1	144741	2724.5	917.5	946.3	4558.6	370.2	1278.2
AB305176.1	229439	745.2	699.7	1694.3	512.5	1289.5	1428.2
EU170130.1	242105	68.6	105.3	168.4	90.5	72.8	370.7
DQ089676.1	128093	701.7	1373.6	680.1	501.1	1862.0	776.3
AB243865.1	235317	2108.5	1625.2	2586.3	685.2	1614.4	1756.4
FJ937876.1	570452	1479.3	684.7	2330.6	3257.7	611.5	835.8
AB539831.1	554742	1359.8	1387.8	1047.3	460.4	177.4	1831.3
GQ342530.1	545041	10667.0	10079.9	9128.3	8903.1	9005.9	9420.9
X94558.1	14614	2406.2	1770.9	74.6	63.6	72.1	58.8
AM295006.1	254422	2902.3	2331.6	885.7	1175.0	676.7	2014.9
FJ746574.1	537031	3465.8	3616.7	3324.1	1911.5	1418.8	1584.2
AM161506.1	144979	3005.8	2604.7	1552.3	1511.0	1107.7	3750.4
FJ999554.1	439688	899.6	612.0	803.0	208.7	333.3	534.2
FJ386520.1	552974	1055.2	1145.2	996.9	421.5	364.1	1200.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halobacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Halolactibacillus
g__Lentibacillus
g__Lentibacillus
g__Lentibacillus
g__Lentibacillus
g__Lentibacillus
g__Marinococcus
g__Marinococcus
g__Natronobacillus
g__Natronobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus

s__unclassified	47180
s__unclassified	47226
s__unclassified	47239
s__unclassified	47278
s__unclassified	47286
s__unclassified	47518
s__unclassified	47704
s__unclassified	47716
s__unclassified	47751
s__unclassified	47825
s__unclassified	47931
s__unclassified	47987
s__unclassified	48001
s__unclassified	48043
s__unclassified	48187
s__Halolactibacillus halophilus	46553
s__Halolactibacillus halophilus	47249
s__Halolactibacillus halophilus	47759
s__Halolactibacillus miurensis	48044
s__unclassified	46019
s__unclassified	47486
s__unclassified	47647
s__unclassified	47820
s__unclassified	46305
s__unclassified	46631
s__unclassified	47025
s__unclassified	47607
s__unclassified	47631
s__unclassified	49371
s__unclassified	49839
s__Natronobacillus azotifigens	46015
s__Natronobacillus azotifigens	46408
s__Oceanobacillus iheyensis	46312
s__Oceanobacillus iheyensis	47070
s__Oceanobacillus iheyensis	47733
s__Oceanobacillus oncorhynchi	46108
s__Oceanobacillus oncorhynchi	47390
s__Oceanobacillus picturae	46267
s__Oceanobacillus picturae	47511
s__Oceanobacillus picturae	48143
s__unclassified	45965

DQ888316.1 gg_id:168082 Halobacillus puertoriconensis str. MS10
AB198762.1 gg_id:111228 Halobacillus sp. str. RG-Hb
GQ903457.1 gg_id:548869 Halobacillus trueperi str. XJSL8-8
EF612763.1 gg_id:240407 Halobacillus seohaensis str. ISL-50
AB491191.1 gg_id:562474 Halobacillus sp. str. DH3-2
AJ486874.1 gg_id:66422 Halobacillus karajensis str. DSM 14948
EU308337.1 gg_id:366337 Halobacillus sp. str. FIB248
EU602318.2 gg_id:587130 Halobacillus halophilus str. MMD047
EU868843.1 gg_id:309460 Halobacillus sp. str. S27-1
DQ868676.1 gg_id:164410 Halobacillus sp. str. SMB10
GQ903459.1 gg_id:567734 Halobacillus litoralis str. XJSL8-1O
AM161504.1 gg_id:143754 Halobacillus herbersteinensis str. I7
DQ093354.1 gg_id:131635 Marinococcus albus str. I18
AY881246.1 gg_id:111708 Halobacillus yeomjeoni str. MSS-402
DQ458838.1 gg_id:156924 Halobacillus sp. str. YT234
AB362695.1 gg_id:237041 Halolactibacillus halophilus str. NRIC 0629
AB362697.1 gg_id:237016 Halolactibacillus halophilus str. NRIC 0632
AB362693.1 gg_id:244528 Halolactibacillus halophilus str. NRIC 0627
AB362701.1 gg_id:239864 Halolactibacillus miurensis str. NRIC 0637
EF554593.1 gg_id:231281 Halolactibacillus xiariensis str. H-5
AB362698.1 gg_id:254684 Halolactibacillus miurensis str. NRIC 0633
AB362694.1 gg_id:249393 Halolactibacillus halophilus str. NRIC 0628
AB196783.1 gg_id:132611 Halolactibacillus halophilus str. M2-2
AB231905.1 gg_id:137844 Lentibacillus kapialis str. PN7-6
AY762976.1 gg_id:102689 Salibacillus sp. str. BH113
AB191345.1 gg_id:100303 Lentibacillus halophilus str. PS11-2
AB365482.1 gg_id:235720 Virgibacillus siamensis str. MS3-4
AY667497.1 gg_id:103142 Virgibacillus sp. str. BH260
EU442366.1 gg_id:274948 Marinococcus sp. str. 05
X90835.1 gg_id:14475 Marinococcus halophilus str. DSM 20408
EU281853.2 gg_id:242528 Alkalilactibacillus ikkense str. GCM68
EU143688.1 gg_id:247337 Natronobacillus azotifixans str. ES 3
BA000028.3 gg_id:110585 Oceanobacillus iheyensis str. HTE831
BA000028.3 gg_id:128938 Oceanobacillus iheyensis str. HTE831
NC_004193.1 gg_id:128905 Oceanobacillus iheyensis str. HTE831
EU817570.1 gg_id:356253 Oceanobacillus sp. str. CHL-21
GQ903478.1 gg_id:556428 Oceanobacillus oncorhynchi str. XJSL10-9
AJ316297.1 gg_id:70179 Virgibacillus picturae str. LMG 20959
AB539827.1 gg_id:542410 Oceanobacillus picturae str. SAD12-1
EF512732.1 gg_id:223472 Oceanobacillus picturae str. JL85
FJ479134.1 gg_id:570283 species richness estimates obtained nearly and simulated pyrosequencing-generated

DQ888316.1	168082	4123.8	3300.5	2090.2	2059.3	1880.2	2469.2
AB198762.1	111228	1486.3	1135.0	1103.2	387.2	625.2	752.5
GQ903457.1	548869	1009.7	949.0	1102.7	358.6	872.5	1466.5
EF612763.1	240407	1458.6	2075.0	4341.7	1909.1	4370.5	6061.2
AB491191.1	562474	1022.3	857.4	2704.8	498.5	532.6	728.2
AJ486874.1	66422	6725.9	7679.1	7502.3	8222.9	15530.6	16296.9
EU308337.1	366337	4757.5	4790.9	3759.2	4711.7	7759.9	6035.3
EU602318.2	587130	1999.0	2249.9	2814.5	545.9	3517.6	4098.8
EU868843.1	309460	2011.4	1638.3	2017.7	2464.4	2007.1	2053.4
DQ868676.1	164410	371.4	834.8	1559.0	611.4	1793.1	3592.2
GQ903459.1	567734	2330.6	1858.2	1309.8	824.3	868.8	1558.6
AM161504.1	143754	1304.7	1025.5	1776.8	1354.9	1751.5	5250.9
DQ093354.1	131635	8919.1	9999.9	7218.0	9785.1	11559.2	12798.3
AY881246.1	111708	2265.4	2137.5	342.5	222.9	94.6	1083.4
DQ458838.1	156924	225.1	123.5	261.8	190.8	91.8	607.9
AB362695.1	237041	1743.3	1742.2	1880.9	2029.8	1853.8	2567.5
AB362697.1	237016	985.0	820.6	1683.3	1602.8	688.9	1322.4
AB362693.1	244528	311.2	513.0	838.7	577.4	1094.8	2965.6
AB362701.1	239864	1955.8	1295.8	2871.9	2114.7	1791.5	5127.5
EF554593.1	231281	3519.6	3770.7	3293.5	6262.9	4630.3	5573.9
AB362698.1	254684	8125.9	7073.7	7343.2	6627.3	7079.3	7414.5
AB362694.1	249393	393.8	410.5	710.9	1133.8	611.8	2190.1
AB196783.1	132611	222.1	317.2	552.2	419.7	123.3	2008.6
AB231905.1	137844	3311.3	3510.5	4071.3	4329.5	3226.4	4286.1
AY762976.1	102689	4110.0	6579.9	5708.2	3350.7	3599.7	4259.7
AB191345.1	100303	32.2	45.3	282.3	66.6	74.0	144.5
AB365482.1	235720	8834.3	11788.6	3576.3	3340.4	6422.3	4340.4
AY667497.1	103142	2608.9	4836.1	5645.9	3835.8	2931.2	3358.3
EU442366.1	274948	3597.8	2935.5	2767.5	1394.4	1704.8	1446.8
X90835.1	14475	1137.5	1253.7	829.4	309.5	758.8	978.7
EU281853.2	242528	223.8	448.9	447.5	145.0	106.8	475.0
EU143688.1	247337	238.8	513.3	465.7	180.4	65.2	813.5
BA000028.3	110585	1502.7	2231.1	3833.5	1116.7	895.2	1720.0
BA000028.3	128938	3184.6	5587.5	6009.4	3541.2	2734.7	4208.0
NC_004193.1	128905	1606.1	2228.1	3537.1	1120.8	898.8	1709.2
EU817570.1	356253	1482.5	3097.0	1948.7	1499.8	609.5	1852.8
GQ903478.1	556428	1868.0	2222.0	1616.4	2170.4	2391.3	3433.8
AJ316297.1	70179	407.0	476.1	1291.2	401.3	137.0	1278.2
AB539827.1	542410	1312.1	1699.6	1084.5	1472.3	2602.2	1862.7
EF512732.1	223472	550.0	1004.8	2977.8	717.3	618.4	2193.0
FJ479134.1	570283	924.0	964.7	1221.7	2123.7	845.8	858.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Oceanobacillus
g__Piscibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Pontibacillus
g__Salimicrobium
g__Salimicrobium
g__Salimicrobium
g__Salinibacillus
g__Sediminibacillus
g__Terribacillus
g__Terribacillus
g__Terribacillus
g__Terribacillus

s__unclassified	46012
s__unclassified	46193
s__unclassified	46206
s__unclassified	46273
s__unclassified	46414
s__unclassified	46441
s__unclassified	46456
s__unclassified	46566
s__unclassified	46907
s__unclassified	47142
s__unclassified	47147
s__unclassified	47443
s__unclassified	47501
s__unclassified	47510
s__unclassified	47513
s__unclassified	47648
s__unclassified	47665
s__unclassified	47895
s__unclassified	48144
s__unclassified	48150
s__unclassified	48160
s__unclassified	47403
s__Pontibacillus chungwhensis	46593
s__Pontibacillus chungwhensis	47985
s__unclassified	46296
s__unclassified	46768
s__unclassified	47153
s__unclassified	47184
s__unclassified	47266
s__unclassified	47336
s__unclassified	47450
s__unclassified	47747
s__unclassified	46638
s__unclassified	47168
s__unclassified	47325
s__unclassified	47793
s__unclassified	47178
s__Terribacillus saccharophilus	46493
s__Terribacillus saccharophilus	46531
s__unclassified	47075
s__unclassified	48125

AM500742.1 gg_id:560278 proof spatial heterogeneity hot composting clone D35
GQ903468.1 gg_id:582726 Oceanobacillus picturae str. XJSL9-9
AB010863.2 gg_id:14611 Oceanobacillus iheyensis str. HTE831
GQ903465.1 gg_id:553642 Oceanobacillus picturae str. XJSL9-6
AB366005.1 gg_id:263096 Oceanobacillus kapialis str. SSK2-2
AJ309561.1 gg_id:47685 Bacillus litoralis str. IB-B4
AY647302.1 gg_id:103563 Oceanobacillus iheyensis str. MSU3110
DQ089680.1 gg_id:128071 Virgibacillus picturae str. IV9
EU680961.1 gg_id:299980 Oceanobacillus iheyensis str. OMA1 8
EU624422.1 gg_id:283122 Oceanobacillus iheyensis str. S8-19
AB034713.1 gg_id:40994 compost clone 4-49
EF201774.1 gg_id:211259 Virgibacillus sp. LCKS000-Isolate10
GQ903467.1 gg_id:594077 Oceanobacillus picturae str. XJSL9-8
EU330342.1 gg_id:247179 Oceanobacillus sp. str. BSi20641
DQ115985.1 gg_id:132563 rbl flr whch inhbt cnls hlth lcttng bvns bvn tt cnl cln B-7
DQ129339.1 gg_id:152700 microarray level air two cities Texas urban aerosol clone AKIW466
DQ190427.1 gg_id:139007 Oceanobacillus sp. 5
DQ468656.1 gg_id:157247 Oceanobacillus chironomi str. T3944D
AB275883.1 gg_id:193390 Oceanobacillus sp. str. S-11
EF660762.1 gg_id:244150 Oceanobacillus cibarius str. A34
DQ129338.1 gg_id:138206 microarray level air two cities Texas urban aerosol clone AKIW1021
AY762978.1 gg_id:102984 Halobacillus sp. str. BH178
AY553296.1 gg_id:106986 Pontibacillus chungwhensis str. BH030062
AY603362.1 gg_id:102560 Pontibacillus chungwhensis str. BH030080
EU308474.1 gg_id:358650 Pontibacillus sp. str. TB138
EF533969.2 gg_id:273625 Pontibacillus sp. str. Y32
DQ448765.1 gg_id:157160 Pontibacillus sp. str. CNJ912 PL04
EU308475.1 gg_id:370058 Pontibacillus sp. str. TB238
EU583724.1 gg_id:263804 Pontibacillus sp. str. JSM 072002
FJ937904.1 gg_id:510492 Pontibacillus chungwhensis str. LS59
FJ232474.1 gg_id:363725 Pontibacillus sp. str. NH11EB76
AY603977.1 gg_id:99045 Bacillus sp. str. BH030004
GU001908.1 gg_id:575458 Salimicrobium halophilum str. PLF
EU868872.1 gg_id:344756 Salimicrobium luteum str. M1-1
DQ093355.1 gg_id:134586 Marinococcus albus str. 63
AY321437.1 gg_id:89985 salt lake water isolate str. W11-1
AM905297.1 gg_id:235359 Sediminibacillus halophilus str. EN8d
FJ999948.1 gg_id:577242 Terribacillus saccharophilus str. EQH19
DQ519571.1 gg_id:161113 Goribacillus litoralis str. CL-GR16
AY553068.1 gg_id:107125 Bacillus sp. str. GSP9
GQ304893.1 gg_id:588713 Terribacillus sp. str. DB2

AM500742.1	560278	55.8	111.6	128.9	55.3	53.8	1075.3
GQ903468.1	582726	7866.7	8946.4	7056.3	7122.2	7214.2	7708.8
AB010863.2	14611	2984.0	3459.3	3259.5	1986.7	324.1	1354.1
GQ903465.1	553642	3100.4	3814.6	4574.8	1810.3	2913.1	5447.9
AB366005.1	263096	1091.4	2656.3	2784.1	812.3	600.0	1162.6
AJ309561.1	47685	9012.2	12175.6	13594.8	8528.2	8771.4	10255.0
AY647302.1	103563	39.2	85.7	194.5	75.0	52.7	230.7
DQ089680.1	128071	705.0	942.6	2652.7	932.3	958.3	2476.5
EU680961.1	299980	6462.6	8549.1	3570.6	4833.6	6573.5	8950.7
EU624422.1	283122	3676.4	5195.4	4166.3	4019.6	4888.7	9022.9
AB034713.1	40994	48.4	218.0	366.0	127.1	109.3	1090.9
EF201774.1	211259	209.5	439.4	604.7	137.1	84.1	264.8
GQ903467.1	594077	10903.1	12372.6	5267.3	7599.4	9833.7	10882.9
EU330342.1	247179	142.5	215.3	437.7	616.2	126.7	962.4
DQ115985.1	132563	6479.6	6782.1	3193.9	6365.3	5931.6	6569.2
DQ129339.1	152700	3110.5	2359.2	814.4	2472.7	669.3	1357.4
DQ190427.1	139007	1661.3	2902.2	2204.3	1256.7	239.2	3242.3
DQ468656.1	157247	2451.0	3013.0	1640.8	2046.3	294.1	1753.5
AB275883.1	193390	18.2	28.9	19.6	38.3	66.2	26.0
EF660762.1	244150	3841.3	4879.1	5926.1	3573.5	2238.9	3467.2
DQ129338.1	138206	448.2	397.7	750.0	510.1	923.4	940.2
AY762978.1	102984	2495.0	3453.5	4017.6	2990.2	800.9	2428.8
AY553296.1	106986	427.3	1229.7	1322.5	382.6	1590.3	2348.3
AY603362.1	102560	474.0	915.3	1247.8	452.3	742.5	1194.8
EU308474.1	358650	2000.1	3662.4	2548.8	1565.2	1517.7	2310.9
EF533969.2	273625	11019.7	11608.0	8808.1	8817.6	12552.9	10870.6
DQ448765.1	157160	1369.8	1748.0	1751.1	2658.2	1308.5	2381.5
EU308475.1	370058	4127.7	3908.1	4837.0	4749.7	3914.2	6265.1
EU583724.1	263804	591.0	1069.2	667.2	377.1	139.0	1017.1
FJ937904.1	510492	250.7	629.2	879.6	491.2	950.5	1293.5
FJ232474.1	363725	4010.1	7622.9	3078.5	3933.1	2631.3	4261.9
AY603977.1	99045	290.3	702.7	1451.1	424.8	505.3	1933.3
GU001908.1	575458	5046.5	5867.6	7952.2	4788.3	5297.2	7884.6
EU868872.1	344756	592.0	1113.7	664.7	494.1	254.2	931.9
DQ093355.1	134586	5318.4	6577.4	5438.0	4863.7	10098.2	7639.0
AY321437.1	89985	30.4	31.8	22.2	54.3	50.1	45.2
AM905297.1	235359	1688.5	1815.3	2372.6	1321.4	1499.0	2034.9
FJ999948.1	577242	5486.9	5380.2	5340.2	3294.9	5828.0	7421.7
DQ519571.1	161113	1420.6	1838.5	2139.6	1323.4	418.8	3255.7
AY553068.1	107125	404.9	589.5	924.8	1018.0	260.6	1970.4
GQ304893.1	588713	414.2	674.4	466.6	1187.8	246.5	3599.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__Thalassobacillus
g__Thalassobacillus
g__Thalassobacillus
g__Thalassobacillus
g__Thalassobacillus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__Thalassobacillus devorans	47099
s__Thalassobacillus devorans	48164
s__unclassified	45971
s__unclassified	46802
s__unclassified	47525
s__unclassified	45945
s__unclassified	46049
s__unclassified	46058
s__unclassified	46089
s__unclassified	46101
s__unclassified	46252
s__unclassified	46286
s__unclassified	46317
s__unclassified	46406
s__unclassified	46504
s__unclassified	46507
s__unclassified	46603
s__unclassified	46640
s__unclassified	46721
s__unclassified	46734
s__unclassified	46801
s__unclassified	46849
s__unclassified	46852
s__unclassified	46861
s__unclassified	46973
s__unclassified	47126
s__unclassified	47141
s__unclassified	47170
s__unclassified	47193
s__unclassified	47228
s__unclassified	47297
s__unclassified	47374
s__unclassified	47394
s__unclassified	47421
s__unclassified	47427
s__unclassified	47439
s__unclassified	47444
s__unclassified	47490
s__unclassified	47606
s__unclassified	47654
s__unclassified	47658

AB185150.1 gg_id:103731 Halobacillus sp. str. SR5-3
GQ903447.1 gg_id:584245 Thalassobacillus devorans str. XJSL7-8
EU817571.1 gg_id:348471 Thalassobacillus sp. str. AD-1
EU308489.1 gg_id:369188 Thalassobacillus sp. str. FIB228
GU397401.1 gg_id:523161 Thalassobacillus devorans str. T1B
AY616012.1 gg_id:99851 Virgibacillus koreensis str. BH30097
AB243851.1 gg_id:252650 Virgibacillus halophilus str. 5B73C
EU191907.1 gg_id:241247 Salinibacillus sp. str. BH128
AJ618979.1 gg_id:101225 Geobacillus amylolyticus str. MR3C
FJ675088.1 gg_id:517206 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ903428.1 gg_id:558327 Bacillus pumilus str. XJSL5-9
NR_027209.1 gg_id:561406 Filobacillus milosensis str. SH714; DSM 13259
AY422987.1 gg_id:97903 Virgibacillus sp. str. R-7428
FJ543002.1 gg_id:524185 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone B
FJ425909.1 gg_id:586791 Virgibacillus litoralis str. JSM 089168
EU369158.1 gg_id:348666 libraries oyster shell clone MBHOS-09
NR_029096.1 gg_id:541374 Tenuibacillus multivorans str. 28-1; NBRC 100370
AM930318.1 gg_id:538016 gradual cooling stage mass and its spatial composting clone SMQ1
AJ315056.1 gg_id:46172 Virgibacillus necropolis str. LMG 19488
EF600581.1 gg_id:296462 leaf litter clone E2-1
EU009754.1 gg_id:256614 between classification and soils Ross Sea region Antarctic ornithogenic soil clone 11H
EU191908.1 gg_id:242845 Virgibacillus sp. str. BH258
AM409184.1 gg_id:184332 Anoxybacillus bogroviensis str. NBIMCC 8427=DSM 1795
EF205590.1 gg_id:207832 among geographically regions central Tibet geothermal spring mat clone TP80
EF675742.1 gg_id:534570 Virgibacillus arcticus str. Hal 1
AY121435.1 gg_id:63143 Amphibacillus sp. str. YIM-kkny10
EF520006.1 gg_id:221367 Halobacillus sp. str. BH097
AB034710.1 gg_id:27234 compost clone 4-28
FJ347755.1 gg_id:361710 Halalkalibacillus sp. str. B3A
DQ664537.1 gg_id:163144 Filobacillus sp. str. BH204
AB533312.1 gg_id:579420 Amphibacillus sp. str. DA-19
EF600597.1 gg_id:287481 leaf litter clone E1-38
X90834.1 gg_id:14615 Marinococcus albus str. DSM 20748
X82436.1 gg_id:14603 Gracilibacillus dipsosauri str. DD1
AM114102.1 gg_id:145545 Paucisalibacillus globulus str. B22
FJ425900.1 gg_id:536206 Aquisalibacillus sp. str. JSM 078194
FJ380184.1 gg_id:367058 ornithogenic Ross Sea region Antarctica AB1 soil clone J9
EU417652.2 gg_id:273369 Virgibacillus sp. str. ZLC-17
EU213011.1 gg_id:244056 Virgibacillus sp. str. CC-YMP-6
AB189326.1 gg_id:103803 Gracilibacillus sp. str. SA-Gb1
EU868883.1 gg_id:319984 Halalkalibacillus halophilus str. M24-1

AB185150.1	103731	665.7	1205.9	762.9	583.5	453.3	1345.8
GQ903447.1	584245	2602.9	2396.2	1231.6	1303.4	718.2	2064.2
EU817571.1	348471	506.7	1130.7	1867.7	346.1	754.4	1308.3
EU308489.1	369188	2089.1	1621.7	968.4	1421.6	728.8	1588.3
GU397401.1	523161	764.0	1212.1	772.4	686.6	756.3	1258.3
AY616012.1	99851	629.0	991.3	2940.7	1120.0	230.6	1740.5
AB243851.1	252650	845.0	2356.6	2287.3	1465.4	1572.2	1620.2
EU191907.1	241247	86.4	244.5	165.6	122.5	62.5	553.8
AJ618979.1	101225	173.2	351.1	634.3	180.6	228.2	668.0
FJ675088.1	517206	1927.0	492.2	900.4	2324.8	124.6	469.7
GQ903428.1	558327	1252.6	1353.7	735.9	890.1	821.1	2014.9
NR_027209.1	561406	1341.1	2331.8	3060.9	1448.4	501.6	1449.0
AY422987.1	97903	121.7	269.5	180.0	136.0	75.7	432.4
FJ543002.1	524185	1616.6	1833.6	2249.8	1704.2	4200.2	5713.4
FJ425909.1	586791	83.9	124.0	329.2	145.2	74.0	652.3
EU369158.1	348666	173.7	148.8	287.8	167.8	135.5	845.0
NR_029096.1	541374	156.7	351.2	406.7	380.2	261.5	503.9
AM930318.1	538016	2871.7	3683.7	2125.7	3052.9	2601.8	3679.7
AJ315056.1	46172	2314.8	5387.8	4793.4	3241.0	2291.0	3905.9
EF600581.1	296462	3759.7	2040.1	2420.1	2513.8	295.6	1344.6
EU009754.1	256614	945.4	1135.7	2282.5	647.7	501.3	893.2
EU191908.1	242845	360.2	791.1	1009.7	970.6	316.3	968.4
AM409184.1	184332	112.7	303.7	436.2	215.8	136.4	392.2
EF205590.1	207832	456.4	162.7	559.7	58.7	385.4	605.9
EF675742.1	534570	1976.8	2299.0	2208.6	1934.6	2286.3	1845.7
AY121435.1	63143	828.5	636.2	2073.5	622.1	461.6	834.4
EF520006.1	221367	53.7	173.9	207.3	165.4	145.4	253.5
AB034710.1	27234	2846.1	2399.2	1543.8	2482.5	1924.6	1717.9
FJ347755.1	361710	3210.1	4307.1	2584.7	1483.7	1627.6	1265.2
DQ664537.1	163144	5277.9	5064.1	1175.6	2077.4	1625.9	1710.5
AB533312.1	579420	1534.0	1739.1	1215.2	2237.2	494.4	1356.3
EF600597.1	287481	4952.2	5195.3	648.2	1934.6	6553.2	4573.5
X90834.1	14615	1918.7	1814.5	1267.9	1490.5	2454.9	3740.2
X82436.1	14603	228.7	586.6	416.8	163.1	92.0	492.8
AM114102.1	145545	3355.1	4659.5	4224.7	3232.6	6162.6	6791.6
FJ425900.1	536206	3976.3	4693.3	4572.6	5053.6	6622.1	9630.6
FJ380184.1	367058	1825.7	2863.8	1737.2	1423.3	2712.1	3055.7
EU417652.2	273369	649.6	597.6	370.7	194.4	261.3	233.5
EU213011.1	244056	266.9	477.2	674.4	148.0	86.5	1127.4
AB189326.1	103803	7511.8	5572.4	4840.0	5379.3	5696.2	5853.3
EU868883.1	319984	37.5	72.5	32.5	67.5	59.0	274.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	47679
s__unclassified	47749
s__unclassified	47773
s__unclassified	47876
s__unclassified	47880
s__unclassified	47913
s__unclassified	47916
s__unclassified	47952
s__unclassified	47970
s__unclassified	48025
s__unclassified	48054
s__unclassified	48070
s__unclassified	48078
s__unclassified	48094
s__unclassified	48113
s__unclassified	48242
s__unclassified	48272
s__unclassified	48288
s__unclassified	48299
s__unclassified	48328
s__unclassified	48341
s__unclassified	48359
s__unclassified	48377
s__unclassified	48381
s__unclassified	48402
s__unclassified	48408
s__unclassified	48429
s__unclassified	48552
s__unclassified	48588
s__unclassified	48757
s__unclassified	48957
s__unclassified	49017
s__unclassified	49020
s__unclassified	49045
s__unclassified	49047
s__unclassified	49112
s__unclassified	49128
s__unclassified	49221
s__unclassified	49370
s__unclassified	49403
s__unclassified	49579

EU249938.1 gg_id:246585 Polyphasic description Pocillopora seawater adjacent Pacillopora meandrina coral co
EU430986.1 gg_id:260081 Paucisalibacillus globulus 5
FJ357159.1 gg_id:358728 Virgibacillus sp. str. ISL-24
EU369133.1 gg_id:325308 libraries oyster shell clone MBIOS-17
DQ842544.1 gg_id:173209 Application Glucose Glutamate Temperature Biotrickling Filtration Hydrogen Sulphic
AB197126.1 gg_id:129671 Gracilibacillus borotolerans str. T16X
DQ346527.1 gg_id:156308 during composting libraries compost clone 3B13
NR_028649.1 gg_id:587710 Cerasibacillus quisquiliarum str. BLx; DSM 15825
AB189333.1 gg_id:99420 Filobacillus sp. str. SA-Fb1
FJ348416.1 gg_id:552637 Investigation microbial soil method saltern 15 cm be surface clone DGGE gel band ntu
AM292417.2 gg_id:192309 Salirhabdus caputitis str. CVS14
FN428698.1 gg_id:574818 Geobacillus caldoproteolyticus str. R-35652
NR_028642.1 gg_id:569518 Paraliobacillus ryukyuensis str. O15-7; DSM 15140
EU143689.1 gg_id:236513 Amphibacillus diazotrophicus str. 22KS-2
EU135676.1 gg_id:248158 Virgibacillus sp. str. YIM C834
AM400872.1 gg_id:244314 Bacillus sp. str. Jsl1
AB176374.1 gg_id:187575 Microbial Hydrothermal System Suiyo Seamount on Izu-Ogasawara Arc vent area wa
DQ504377.1 gg_id:160666 Bacillus sp. str. 17-5
AB176366.1 gg_id:178532 Microbial Hydrothermal System Suiyo Seamount on Izu-Ogasawara Arc vent area wa
EF422411.1 gg_id:203680 Bacillus sp. str. ANL-iso4
AY762977.1 gg_id:102843 Bacillus sp. str. BH164
GQ009179.1 gg_id:500487 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw
EU620444.1 gg_id:276370 Aerobic Facultative Alkalitolerant and Halotolerant Endospore Formers Soil Alvord Ba
FM244839.1 gg_id:359288 Bacillus sp. str. HS-136
AM492160.1 gg_id:206482 Salsuginibacillus kocurii str. CH9d
DQ115802.2 gg_id:133117 Bacillus sp. CM1
FJ437873.1 gg_id:548924 Benthic okenone production Fayetteville New York Green Lake 25 m water depth clor
GU217709.1 gg_id:590271 Bacillus sp. str. ljh-13
FJ380159.1 gg_id:363860 ornithogenic Ross Sea region Antarctica AB1 soil clone 9/4/2D
AY376312.1 gg_id:105770 Bacillus bogoriensis str. LBB3
EU620448.1 gg_id:276903 Aerobic Facultative Alkalitolerant and Halotolerant Endospore Formers Soil Alvord Ba
AJ717379.1 gg_id:110222 Bacillus sp. AC6t
FJ764775.1 gg_id:541211 Bacillus sp. str. E-172
EU491818.1 gg_id:267423 Abundance and microbial life ocean crust seafloor lavas East Pacific Rise clone EPR39
AY553128.1 gg_id:101804 Bacillus sp. str. GSP69
DQ344635.1 gg_id:147585 Sinococcus beijingensis str. IMBZ007
AB002644.1 gg_id:14473 G+C gram-positive HTA454
EU091310.1 gg_id:255095 Bacillus halodurans str. C7
EF422410.1 gg_id:206803 Bacillus sp. str. ANL-isoa2
AY753654.1 gg_id:99130 Bacillus sp. str. HA6
AM050346.1 gg_id:134015 Bacillus sp. str. BR

EU249938.1	246585	629.3	1057.3	818.9	416.8	236.7	1163.2
EU430986.1	260081	88.8	260.3	274.5	389.7	65.3	833.6
FJ357159.1	358728	97.6	187.6	363.6	208.6	162.9	623.6
EU369133.1	325308	5351.7	5739.1	3898.4	5180.4	6605.8	6147.5
DQ842544.1	173209	19.3	25.6	19.1	50.4	56.0	26.0
AB197126.1	129671	4396.0	3931.2	1558.3	4331.5	1710.0	1038.9
DQ346527.1	156308	143.6	484.2	470.0	278.2	100.4	992.3
NR_028649.1	587710	9.9	9.7	18.7	38.4	26.9	7.7
AB189333.1	99420	1350.1	2324.5	4698.3	1482.5	5355.2	4013.2
FJ348416.1	552637	44.9	87.1	63.3	93.6	66.7	702.1
AM292417.2	192309	30.7	44.3	31.1	56.8	64.5	41.8
FN428698.1	574818	274.4	538.6	827.6	425.0	153.3	880.1
NR_028642.1	569518	4480.6	5913.3	5406.9	4519.9	6439.3	5202.3
EU143689.1	236513	5393.6	4480.7	908.9	2206.3	2689.6	3395.5
EU135676.1	248158	60.2	301.1	236.7	120.8	86.5	205.6
AM400872.1	244314	2734.1	2430.1	1789.9	5025.1	2410.6	2836.6
AB176374.1	187575	188.7	204.4	800.6	562.3	106.8	261.5
DQ504377.1	160666	862.8	946.6	1277.5	423.9	149.5	1005.4
AB176366.1	178532	13091.7	19543.3	8027.7	10151.1	13793.0	11753.9
EF422411.1	203680	7580.3	8154.1	4600.3	3270.6	5147.4	5378.3
AY762977.1	102843	105.8	323.2	93.1	132.3	69.0	32.8
GQ009179.1	500487	8624.7	7380.4	6319.3	2454.1	684.5	1718.2
EU620444.1	276370	3088.5	3611.9	6569.2	2227.3	3934.4	3628.0
FM244839.1	359288	1631.7	2044.6	2850.3	2025.3	4904.4	3585.1
AM492160.1	206482	1187.2	2245.4	1354.8	1051.0	1304.5	1505.0
DQ115802.2	133117	77.2	172.0	58.7	137.9	90.5	755.7
FJ437873.1	548924	1980.9	2121.4	3189.7	698.8	1051.6	1744.7
GU217709.1	590271	642.5	988.1	2693.1	531.7	411.3	368.2
FJ380159.1	363860	2436.7	2365.7	1927.6	1543.5	523.2	1991.3
AY376312.1	105770	1318.4	1814.2	2828.0	1734.8	988.9	1362.3
EU620448.1	276903	7456.8	9256.4	9038.9	8995.3	5343.3	7615.1
AJ717379.1	110222	953.2	1391.2	2905.7	507.0	398.2	972.1
FJ764775.1	541211	2304.8	2323.7	759.9	1637.4	380.4	1031.7
EU491818.1	267423	1723.2	1744.5	2269.3	2713.3	407.0	2170.3
AY553128.1	101804	226.2	327.3	575.6	171.2	71.6	159.6
DQ344635.1	147585	102.7	84.0	266.1	97.6	146.8	662.7
AB002644.1	14473	4020.0	6724.9	5568.6	4074.2	2102.1	4493.7
EU091310.1	255095	2684.9	3995.9	5336.7	3288.8	2976.8	2919.1
EF422410.1	206803	5481.0	4899.9	2133.0	701.6	1832.8	2271.1
AY753654.1	99130	4679.0	7265.7	5135.2	3327.5	4323.8	5727.5
AM050346.1	134015	145.1	358.0	113.8	525.3	62.7	192.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Bacillaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Virgibacillus
g__Brochothrix
g__Brochothrix
g__Brochothrix
g__Brochothrix

s__unclassified	49780
s__unclassified	49828
s__unclassified	49858
s__unclassified	49880
s__unclassified	49883
s__unclassified	49895
s__unclassified	49896
s__unclassified	50021
s__unclassified	50166
s__unclassified	50425
s__unclassified	50559
s__unclassified	50899
s__unclassified	46623
s__unclassified	46635
s__unclassified	46700
s__unclassified	46742
s__unclassified	46927
s__unclassified	47117
s__unclassified	47282
s__unclassified	47332
s__unclassified	47388
s__unclassified	47691
s__unclassified	47776
s__Virgibacillus halodenitrificans	47426
s__Virgibacillus halodenitrificans	47955
s__Virgibacillus halodenitrificans	48129
s__Virgibacillus marismortui	46313
s__Virgibacillus marismortui	46421
s__Virgibacillus marismortui	46479
s__Virgibacillus marismortui	47614
s__Virgibacillus marismortui	48136
s__Virgibacillus pantothenticus	46626
s__Virgibacillus pantothenticus	46677
s__Virgibacillus pantothenticus	47039
s__Virgibacillus pantothenticus	47834
s__Virgibacillus proomii	46644
s__Virgibacillus proomii	48003
s__Brochothrix thermosphacta	46079
s__Brochothrix thermosphacta	46474
s__Brochothrix thermosphacta	47960
s__unclassified	46095

GQ068997.1 gg_id:381899 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
DQ516994.1 gg_id:160836 Cultivation-intensive study ephemeral hypereutrophic aquatic microbial Mojave Des
AB043846.1 gg_id:46071 Bacillus sp. str. C-11
DQ227672.1 gg_id:146657 Bacillus sp. M115
U40230.1 gg_id:14558 anaerobic thermophile IC-BH
GQ007987.1 gg_id:501679 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
EU090232.1 gg_id:244156 Bacillus pseudofirmus str. SJ2
FJ429990.1 gg_id:362192 Geobacillus sp. A142
GQ280013.1 gg_id:578974 Bacillus sp. str. BJ-3
GQ280018.1 gg_id:514033 Bacillus sp. str. BJ-8
FJ430056.1 gg_id:359103 Geobacillus sp. E173a
FJ430003.1 gg_id:366859 Geobacillus sp. A394
EU135625.1 gg_id:237805 Virgibacillus sp. str. YIM C510
D16275.1 gg_id:14608 Virgibacillus pantothenticus str. IAM11061
AB305203.1 gg_id:229456 Virgibacillus marismortui str. Slt2
GU397387.1 gg_id:531012 Virgibacillus marismortui str. B33
EU095647.1 gg_id:249439 Virgibacillus marismortui str. NT-6
AJ309562.1 gg_id:21848 Bacillus nitritophilus str. IB-256
AY121439.1 gg_id:63140 Salibacillus sp. str. YIM-kkny16
FJ373040.1 gg_id:350043 Ornithinibacillus sp. str. ZM1
GU172146.1 gg_id:573008 Virgibacillus dokdonensis str. MSK2-1
DQ664543.1 gg_id:169643 Virgibacillus sp. str. SL6-1
AB524502.1 gg_id:536546 Virgibacillus sp. str. SOKA-CSH10
DQ089000.1 gg_id:132339 Virgibacillus halodenitrificans str. I6
GU001894.1 gg_id:564081 Virgibacillus sp. str. PL31
GU172147.1 gg_id:567504 Virgibacillus halodenitrificans str. CHM1-4
AJ009793.1 gg_id:14612 Virgibacillus marismortui str. 123
DQ089674.1 gg_id:128039 Virgibacillus marismortui str. I121
AB267089.1 gg_id:168194 Virgibacillus marismortui
GU172145.1 gg_id:588937 Virgibacillus marismortui str. TPA3-3
DQ139839.3 gg_id:196963 Virgibacillus olivae str. E308
AB305195.1 gg_id:231235 Virgibacillus pantothenticus str. IVC1-5
GU202420.1 gg_id:583700 Virgibacillus sp. str. J18
AB489108.1 gg_id:550082 Virgibacillus pantothenticus str. GL4-1
EF101168.3 gg_id:200403 Virgibacillus chiguensis str. Halo30-9
AY373323.1 gg_id:94551 Virgibacillus proomii str. R-6762
GU339240.1 gg_id:551232 Virgibacillus proomii str. EH10
AY543017.1 gg_id:99017 Brochothrix thermosphacta MF 110
AY543038.1 gg_id:100369 Brochothrix campestris DSMZ 4712
AY543022.1 gg_id:103393 Brochothrix thermosphacta MF 171
AY543020.1 gg_id:103099 Brochothrix thermosphacta MF 154

GQ068997.1	381899	9178.0	10538.6	5971.2	6971.7	5875.8	5529.1
DQ516994.1	160836	462.6	570.1	134.1	295.3	517.4	265.5
AB043846.1	46071	1651.2	2652.4	4590.5	1121.1	4102.9	3962.8
DQ227672.1	146657	685.5	2286.0	1587.4	2831.2	976.6	3865.8
U40230.1	14558	130.8	152.3	220.0	106.2	227.4	74.5
GQ007987.1	501679	6767.8	6231.5	5413.6	1875.7	719.6	1898.1
EU090232.1	244156	6362.1	7034.0	4462.7	5445.5	5833.2	6771.2
FJ429990.1	362192	9528.0	7233.2	4205.5	8449.1	7662.5	7754.2
GQ280013.1	578974	4279.6	4383.4	3172.2	4277.2	614.4	1481.5
GQ280018.1	514033	11370.1	14129.4	7975.8	11223.5	3601.6	5270.6
FJ430056.1	359103	2607.0	2682.1	5450.3	2456.8	2096.5	3921.9
FJ430003.1	366859	3247.9	3000.1	2171.9	3001.0	4224.7	3768.0
EU135625.1	237805	99.1	461.1	1161.4	216.3	468.3	1258.1
D16275.1	14608	2775.1	3702.4	3156.4	2330.6	3048.0	5363.9
AB305203.1	229456	970.7	1980.8	1524.8	895.2	1195.7	1222.5
GU397387.1	531012	63.0	158.6	137.7	104.3	68.2	2167.6
EU095647.1	249439	809.9	1468.3	1410.1	930.5	1002.9	2113.5
AJ309562.1	21848	9.8	16.4	21.9	40.4	43.1	20.8
AY121439.1	63140	289.1	719.9	886.5	334.1	440.8	1679.1
FJ373040.1	350043	1101.3	1868.3	1590.3	1074.7	1901.3	2376.7
GU172146.1	573008	3250.0	3984.2	3520.7	2409.0	3133.8	5072.6
DQ664543.1	169643	849.6	754.6	89.2	125.0	64.3	260.7
AB524502.1	536546	754.2	1248.7	1823.6	615.4	1146.4	981.8
DQ089000.1	132339	55.6	55.7	285.4	46.0	85.6	394.2
GU001894.1	564081	184.9	356.4	557.4	239.6	83.5	1302.9
GU172147.1	567504	51.2	146.5	115.8	72.3	72.6	360.4
AJ009793.1	14612	856.4	1549.1	1714.6	925.5	1017.8	2075.4
DQ089674.1	128039	690.2	1534.3	1294.8	883.9	1105.8	2163.8
AB267089.1	168194	2172.9	2492.8	2178.2	651.1	193.0	1788.9
GU172145.1	588937	22.0	28.2	13.6	44.2	51.4	39.3
DQ139839.3	196963	1540.3	2273.8	1228.8	827.1	1179.9	2058.8
AB305195.1	231235	3386.7	3870.2	3470.0	2533.7	3154.1	5505.0
GU202420.1	583700	3445.3	5022.7	2982.5	2433.4	2552.4	2817.7
AB489108.1	550082	2712.6	3592.1	2914.4	2254.3	3049.1	4520.8
EF101168.3	200403	5551.3	4244.3	6012.4	5758.1	5870.4	9393.1
AY373323.1	94551	6666.2	5209.1	5327.2	3898.8	3727.7	4202.7
GU339240.1	551232	4858.3	4919.2	5129.9	3087.1	3687.9	3375.6
AY543017.1	99017	13815.3	12267.5	10233.4	9427.3	13088.6	10886.7
AY543038.1	100369	1400.4	2939.1	1632.8	1064.6	1435.0	2153.1
AY543022.1	103393	7277.7	7167.3	6278.1	5526.7	6322.6	6581.8
AY543020.1	103099	1067.4	1408.1	977.3	736.7	905.4	1024.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Listeriaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__Listeria
g__unclassified
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Ammoniphilus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Aneurinibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus

s__Listeria grayi	47198
s__Listeria marthii	47270
s__Listeria monocytogenes	46065
s__Listeria monocytogenes	46150
s__Listeria monocytogenes	46616
s__Listeria monocytogenes	46917
s__Listeria seeligeri	46697
s__Listeria seeligeri	46823
s__Listeria welshimeri	47292
s__unclassified	46316
s__unclassified	46762
s__unclassified	47682
s__unclassified	47907
s__unclassified	47950
s__unclassified	48011
s__unclassified	48034
s__unclassified	46871
s__Ammoniphilus oxalaticus	46144
s__Ammoniphilus oxalaticus	46423
s__Ammoniphilus oxalaticus	46964
s__Ammoniphilus oxalaticus	47718
s__unclassified	46043
s__unclassified	46236
s__unclassified	46499
s__unclassified	46874
s__unclassified	47577
s__unclassified	47634
s__Aneurinibacillus aneurinilyticus	46872
s__Aneurinibacillus migulanus	45938
s__Aneurinibacillus migulanus	46756
s__Aneurinibacillus migulanus	47683
s__Aneurinibacillus terranovensis	46716
s__Aneurinibacillus thermoaerophilus	46105
s__Aneurinibacillus thermoaerophilus	46519
s__Aneurinibacillus thermoaerophilus	47641
s__Aneurinibacillus thermoaerophilus	47941
s__unclassified	47094
s__unclassified	47861
s__Brevibacillus borstelensis	46364
s__Brevibacillus borstelensis	47359
s__Brevibacillus borstelensis	47447

X98526.1 gg_id:15034 Listeria grayi str. ATCC19120
EU545982.1 gg_id:343691 Listeria marthii str. NR-9579
CP001604.1 gg_id:528087 Listeria monocytogenes str. 08-5923
CP001604.1 gg_id:528088 Listeria monocytogenes str. 08-5923
NC_002973.6 gg_id:108681 Listeria monocytogenes str. 4b F2365
CP001175.1 gg_id:522930 Listeria monocytogenes str. HCC23
DQ065845.1 gg_id:133743 Listeria seeligeri str. ATCC 35967
DQ065844.1 gg_id:133797 Listeria seeligeri str. 2436KA
DQ065846.1 gg_id:130677 Listeria welshimeri str. ATCC 35897
NC_003212.1 gg_id:128465 Listeria innocua str. Clip11262
FJ774219.1 gg_id:566482 Listeria monocytogenes str. N9
CP001604.1 gg_id:528090 Listeria monocytogenes str. 08-5923
Y12757.1 gg_id:16370 Listeria-like organism clone
AJ535698.1 gg_id:100269 Listeria seeligeri 50
NC_008555.1 gg_id:196027 Listeria welshimeri serovar 6b str. SLCC5334
X98532.1 gg_id:15046 Listeria welshimeri str. ATCC35897
FJ557241.1 gg_id:376496 Listeria sp. str. CIP 109804
Y14580.1 gg_id:14467 Ammoniphilus oxalivorans str. RAOx-FS
Y14579.1 gg_id:14469 Ammoniphilus oxalaticus str. RAOx-FF
Y14578.1 gg_id:14468 Ammoniphilus oxalaticus str. RAOx1
DQ346580.1 gg_id:154944 during composting libraries compost clone 4B16
DQ129329.1 gg_id:154541 microarray level air two cities Texas urban aerosol clone AKIW1124
DQ378179.1 gg_id:155936 oil-polluted soil clone F14_Pitesti
GQ062548.1 gg_id:410410 Topographical and Temporal Human Skin Microbiome skin nare clone nbw12b03c1
DQ129330.1 gg_id:138087 microarray level air two cities Texas urban aerosol clone AKIW1134
AM930509.1 gg_id:252328 Mobilizing agents enhance fungal degradation polycyclic aromatic hydrocarbons an
Y14581.1 gg_id:14466 Oxalophagus oxalicus str. DSM 5503T
AB271755.1 gg_id:166364 Aneurinibacillus aneurinilyticus str. NBRC 15521
X77789.1 gg_id:14455 Bacillus acidovorans str. ATCC 51159
GU397386.1 gg_id:521475 Aneurinibacillus migulanus str. A72
D78462.1 gg_id:14454 Aneurinibacillus migulanus str. ATCC9999
AJ715385.1 gg_id:100842 Aneurinibacillus terranovensis str. LMG 22483
EF032876.1 gg_id:174619 Aneurinibacillus thermoaerophilus str. AFNA 1
X94196.1 gg_id:14460 Aneurinibacillus thermoaerophilus str. DSM 10154
DQ890194.1 gg_id:162600 Aneurinibacillus thermoaerophilus str. HZ
X94197.1 gg_id:14461 Aneurinibacillus thermoaerophilus str. DSM 10155
AB112725.1 gg_id:99186 Aneurinibacillus danicus str. NCIMB 13288T
DQ350838.1 gg_id:146417 Aneurinibacillus migulanus str. U603
AJ586382.1 gg_id:104351 Brevibacillus borstelensis str. R-16402
DQ350837.1 gg_id:146165 Brevibacillus borstelensis str. U404
EU714903.1 gg_id:323091 Brevibacillus borstelensis str. SRDTh2

X98526.1	15034	11072.0	11980.6	7680.1	9201.7	14533.0	12504.6
EU545982.1	343691	309.9	539.7	693.4	226.8	195.2	1173.2
CP001604.1	528087	1907.1	2720.3	2186.6	1283.7	1713.9	1932.4
CP001604.1	528088	1980.6	2871.5	2493.0	1454.2	1765.1	2534.9
NC_002973.6	108681	1956.0	2800.1	2322.3	1374.5	1728.1	2589.6
CP001175.1	522930	7104.1	7913.5	6208.4	6022.7	6358.6	7060.5
DQ065845.1	133743	3219.0	2229.8	2733.7	3852.2	2036.1	2368.3
DQ065844.1	133797	3109.8	2262.2	2545.0	4554.1	2206.5	2549.4
DQ065846.1	130677	2984.2	3913.2	2923.9	3186.8	3439.2	4369.1
NC_003212.1	128465	4582.7	5782.3	4523.8	4755.7	4853.4	5077.6
FJ774219.1	566482	2008.9	3881.9	2989.4	2844.1	6600.0	6981.4
CP001604.1	528090	1558.1	1877.8	3440.9	1703.3	2082.8	3470.8
Y12757.1	16370	30.6	49.1	33.4	64.7	59.6	33.2
AJ535698.1	100269	3170.1	2156.1	2597.9	3761.4	2021.9	1754.8
NC_008555.1	196027	2979.5	4199.3	2872.3	3158.5	3220.4	3597.9
X98532.1	15046	2899.5	3992.0	2554.7	3036.6	3198.8	2900.3
FJ557241.1	376496	3250.3	2734.0	2669.8	5368.0	3643.4	4335.0
Y14580.1	14467	2086.2	2466.4	3839.2	574.9	748.7	937.4
Y14579.1	14469	237.5	831.3	1569.5	267.2	155.2	435.4
Y14578.1	14468	1779.3	2685.6	4553.5	1336.6	1649.5	2103.3
DQ346580.1	154944	4401.3	2898.9	2345.4	4799.9	846.2	2591.3
DQ129329.1	154541	137.4	226.9	101.6	111.1	80.7	121.8
DQ378179.1	155936	3279.7	3710.6	3150.8	3038.1	2264.9	3252.8
GQ062548.1	410410	4823.1	5819.1	2175.2	1623.2	1957.6	2741.4
DQ129330.1	138087	119.1	247.8	166.5	92.4	105.8	186.0
AM930509.1	252328	8924.8	6138.7	8409.7	7165.9	6989.5	6140.1
Y14581.1	14466	1173.2	1593.3	1514.1	4762.2	379.0	1046.7
AB271755.1	166364	1167.3	1390.4	1924.0	1586.7	2081.3	2423.8
X77789.1	14455	1338.3	1824.7	2723.9	1909.5	2328.5	2617.0
GU397386.1	521475	1204.9	1634.8	2361.5	1632.3	872.3	1941.3
D78462.1	14454	2460.5	3043.4	3734.6	2289.3	2911.6	2915.3
AJ715385.1	100842	484.2	628.7	517.7	576.7	565.9	1552.3
EF032876.1	174619	962.6	1117.5	1725.1	1373.8	1388.4	2477.4
X94196.1	14460	2939.0	3403.5	2576.4	2793.6	2621.0	3791.2
DQ890194.1	162600	180.3	269.9	394.9	241.7	107.8	251.2
X94197.1	14461	1573.5	1890.3	1652.0	1484.9	1970.5	2654.9
AB112725.1	99186	5059.2	3036.8	1091.5	3897.2	2805.0	4408.3
DQ350838.1	146417	2956.4	3382.4	3306.5	3077.0	3029.3	3416.5
AJ586382.1	104351	623.4	716.1	478.4	545.6	1438.1	1529.6
DQ350837.1	146165	2329.9	4272.0	3264.5	2846.2	6804.6	4572.8
EU714903.1	323091	7725.3	7443.8	7705.7	7513.2	12689.3	9582.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Brevibacillus
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Cohnella
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__Brevibacillus invocatus	46355
s__Brevibacillus invocatus	46446
s__Brevibacillus laterosporus	46550
s__Brevibacillus levickii	46469
s__Brevibacillus reuszeri	46690
s__Brevibacillus thermoruber	46375
s__Brevibacillus thermoruber	46795
s__unclassified	46017
s__unclassified	46211
s__unclassified	46221
s__unclassified	46232
s__unclassified	46289
s__unclassified	46304
s__unclassified	46454
s__unclassified	46508
s__unclassified	46755
s__unclassified	46792
s__unclassified	46803
s__unclassified	46974
s__unclassified	47036
s__unclassified	47091
s__unclassified	47257
s__unclassified	47446
s__unclassified	47689
s__unclassified	47809
s__unclassified	47945
s__unclassified	48000
s__unclassified	48020
s__unclassified	48080
s__unclassified	50084
s__unclassified	50085
s__unclassified	50110
s__unclassified	50226
s__unclassified	50249
s__unclassified	50327
s__unclassified	50485
s__unclassified	50581
s__unclassified	50759
s__Bacillus edaphicus	50650
s__Bacillus mucilaginosus	50267
s__Bacillus mucilaginosus	50627

AY372925.1 gg_id:141313 Brevibacillus sp. str. PC6
AF378231.1 gg_id:72419 Brevibacillus invocatus str. LMG 18167
AY745239.1 gg_id:107154 Brevibacillus laterosporus
AJ715383.1 gg_id:100531 Brevibacillus levickii str. R-22010
D78464.1 gg_id:14444 Brevibacillus reuszeri str. NRRL NRS-1206
AY196006.1 gg_id:82008 Brevibacillus thermoruber str. WR-249
DQ452016.1 gg_id:220136 Brevibacillus sp. FB2
AB048253.1 gg_id:27343 Brevibacillus agri str. MC-C1
EF690427.1 gg_id:242098 Brevibacillus formosus M13-7
EU497965.1 gg_id:266742 Brevibacillus sp. str. P-6
EU730932.1 gg_id:318433 Brevibacillus invocatus str. 176
FJ009377.1 gg_id:349508 Brevibacillus brevis str. G14
GQ495662.1 gg_id:560159 Brevibacillus brevis str. L-25
EF055990.1 gg_id:181337 Brevibacillus parabrevis str. LH1-1
AJ457160.1 gg_id:67396 Brevibacillus sp. str. AV-Pb
AY493971.1 gg_id:136682 Fingerprinting aggregates soil clone 1047
EU605978.1 gg_id:271212 Brevibacillus brevis str. B12
EU621907.1 gg_id:277682 Brevibacillus sp. str. CCBAU 10720
EU730938.1 gg_id:335118 Brevibacillus centrosporus str. 218
D78460.1 gg_id:14443 Brevibacillus formosus str. NRRL NRS-863
EU221377.1 gg_id:253356 Brevibacillus laterosporus str. Y2S9
AB362271.1 gg_id:268437 Brevibacillus sp. str. JAM-FM0601
FJ430060.1 gg_id:362530 Brevibacillus sp. E187
AP008955.1 gg_id:560716 Brevibacillus brevis str. NBRC 100599 (= 47)
AB112717.1 gg_id:103446 Brevibacillus limnophilus str. DSM 6472
AY072721.1 gg_id:77296 Brevibacillus sp. str. SE004
FJ592179.1 gg_id:556989 Brevibacillus agri str. Q6-2
EU638360.1 gg_id:307934 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n
FJ430048.1 gg_id:361257 Brevibacillus sp. D505a
AJ971483.1 gg_id:130970 Cohnia thermotolerans str. CCUG 47242
AB362828.1 gg_id:251819 Paenibacillus sp. str. YT1101
AF227835.1 gg_id:16553 str. 31295
EF203083.2 gg_id:206849 Paenibacillus sp. str. HIO-4
EU134631.1 gg_id:253479 tallgrass prarie soil clone FFCH11327
DQ129381.1 gg_id:137918 microarray level air two cities Texas urban aerosol clone AKIW1107
AM900791.1 gg_id:244571 Cohnella sp. PA228
EU284591.1 gg_id:253236 Microbacterium sp. str. sq5
EF368009.1 gg_id:214536 Cohnella soli str. 5GH36-9
NR_028674.1 gg_id:565706 Bacillus edaphicus str. T7; CIP 105814
DQ898308.1 gg_id:173293 Bacillus mucilaginosus str. AS1.231
AF182807.2 gg_id:17949 Paenibacillus velasolus str. P1

AY372925.1	141313	7429.4	9140.5	5577.9	7675.4	9040.0	8048.0
AF378231.1	72419	173.7	214.2	541.2	125.8	114.9	739.3
AY745239.1	107154	598.1	1139.7	165.8	177.7	70.7	516.0
AJ715383.1	100531	100.0	197.5	1060.1	147.9	87.8	482.3
D78464.1	14444	1244.5	1262.8	985.8	465.7	469.7	1616.4
AY196006.1	82008	11.6	20.4	16.2	43.9	48.0	18.2
DQ452016.1	220136	6957.5	5934.4	6081.1	3447.8	2742.4	2905.8
AB048253.1	27343	84.5	129.3	449.4	157.5	100.2	903.8
EF690427.1	242098	420.8	293.6	322.0	132.1	84.5	910.5
EU497965.1	266742	5160.9	5035.2	4100.7	6520.9	8529.9	6858.8
EU730932.1	318433	175.2	241.5	845.6	265.6	130.9	851.3
FJ009377.1	349508	270.4	465.8	305.0	215.7	470.7	624.7
GQ495662.1	560159	42.2	94.2	57.5	89.4	49.5	402.9
EF055990.1	181337	7142.9	7695.3	7367.0	7611.6	8921.0	7974.8
AJ457160.1	67396	6630.5	9246.1	5620.2	5347.7	8247.8	8148.9
AY493971.1	136682	521.9	381.2	561.2	116.8	195.2	210.6
EU605978.1	271212	66.5	127.1	444.5	143.9	89.2	955.6
EU621907.1	277682	8404.0	8648.3	2829.2	10333.8	8477.0	6093.4
EU730938.1	335118	291.4	567.4	629.0	371.7	490.0	989.0
D78460.1	14443	649.2	1262.4	2668.0	783.7	6967.1	4420.6
EU221377.1	253356	183.1	229.8	254.0	152.7	405.5	430.6
AB362271.1	268437	1198.5	814.0	2321.6	1960.9	394.2	1521.4
FJ430060.1	362530	12503.7	12105.6	7878.8	10915.1	10273.2	11772.4
AP008955.1	560716	1238.6	1251.3	1001.8	525.6	457.6	1546.6
AB112717.1	103446	40.1	109.7	219.9	74.1	64.2	546.4
AY072721.1	77296	70.1	255.8	276.9	98.4	91.9	633.6
FJ592179.1	556989	3854.5	5234.4	3604.8	3208.0	7135.9	6525.0
EU638360.1	307934	119.4	301.0	615.5	114.2	112.7	1252.0
FJ430048.1	361257	5687.1	5988.8	4368.3	5630.7	8907.4	6960.4
AJ971483.1	130970	33.4	136.8	335.3	85.0	74.4	101.1
AB362828.1	251819	156.7	302.0	536.0	203.4	419.3	222.3
AF227835.1	16553	2718.3	3797.6	3235.1	1584.6	659.1	2818.0
EF203083.2	206849	35.8	42.0	32.3	66.2	84.7	38.7
EU134631.1	253479	1832.0	3172.7	2231.6	1749.8	621.6	963.7
DQ129381.1	137918	2915.4	3886.5	4922.2	1887.4	842.0	2153.8
AM900791.1	244571	4643.4	4515.5	4410.5	4710.7	1908.2	2406.0
EU284591.1	253236	1328.1	2096.8	716.7	1249.6	542.5	891.1
EF368009.1	214536	1746.0	2197.7	2548.0	3027.0	1380.5	2026.6
NR_028674.1	565706	94.2	195.7	293.7	119.3	130.2	480.4
DQ898308.1	173293	33.9	45.9	133.4	58.7	33.4	114.5
AF182807.2	17949	3117.9	4566.5	5315.3	4910.9	6205.9	5238.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__Paenibacillus alvei	50363
s__Paenibacillus alvei	50664
s__Paenibacillus alvei	50805
s__Paenibacillus amylolyticus	50208
s__Paenibacillus amylolyticus	50241
s__Paenibacillus amylolyticus	50370
s__Paenibacillus amylolyticus	50402
s__Paenibacillus amylolyticus	50494
s__Paenibacillus amylolyticus	50786
s__Paenibacillus amylolyticus	50858
s__Paenibacillus amylolyticus	50896
s__Paenibacillus apiarius	50703
s__Paenibacillus barengoltzii	50130
s__Paenibacillus barengoltzii	50269
s__Paenibacillus barengoltzii	50280
s__Paenibacillus barengoltzii	50322
s__Paenibacillus barengoltzii	50572
s__Paenibacillus barengoltzii	50640
s__Paenibacillus barengoltzii	50662
s__Paenibacillus barengoltzii	50758
s__Paenibacillus barengoltzii	50807
s__Paenibacillus borealis	50237
s__Paenibacillus borealis	50459
s__Paenibacillus borealis	50506
s__Paenibacillus campinasensis	50870
s__Paenibacillus chitinolyticus	50523
s__Paenibacillus chondroitinus	50443
s__Paenibacillus chondroitinus	50675
s__Paenibacillus chondroitinus	50825
s__Paenibacillus chondroitinus	50891
s__Paenibacillus chondroitinus	50941
s__Paenibacillus cookii	50348
s__Paenibacillus curdlanolyticus	50335
s__Paenibacillus elgii	50118
s__Paenibacillus elgii	50706
s__Paenibacillus illinoisensis	50155
s__Paenibacillus illinoisensis	50638
s__Paenibacillus lactis	50040
s__Paenibacillus lactis	50635
s__Paenibacillus lactis	50969
s__Paenibacillus larvae	50233

EU435385.1 gg_id:272151 Paenibacillus alvei str. V1
EF429201.1 gg_id:211532 Paenibacillus alvei str. SCR2ac
AJ320491.1 gg_id:28165 Paenibacillus alvei str. DSM 29
EF103205.1 gg_id:182312 Paenibacillus sp. str. MSCB-8
EF690415.1 gg_id:252209 Paenibacillus amylolyticus M18-5
AJ884854.1 gg_id:186123 Paenibacillus sp. DF4MM5
FJ006879.1 gg_id:313888 Paenibacillus sp. str. WPCB056
AJ884852.1 gg_id:199597 Paenibacillus sp. DF4MM1
FJ944661.1 gg_id:545044 Paenibacillus amylolyticus str. KUDC1039
AJ495806.1 gg_id:55541 Paenibacillus sp. p22D
AJ884856.1 gg_id:174753 Paenibacillus sp. DF4SC1
AB073201.1 gg_id:77745 Paenibacillus apiarius str. DSM 5581
GQ284360.1 gg_id:549779 Paenibacillus barengoltzii str. THWCSN11
GQ284370.1 gg_id:559070 Paenibacillus barengoltzii str. THWCSN47
DQ124699.1 gg_id:140775 Paenibacillus barengoltzii str. SAFN-125
GQ284353.1 gg_id:577062 Paenibacillus barengoltzii str. THWCS6
GQ284361.1 gg_id:547686 Paenibacillus barengoltzii str. THWCSN13
GQ284355.1 gg_id:548873 Paenibacillus barengoltzii str. THWCS8
EU888523.1 gg_id:314265 Paenibacillus barengoltzii str. ES_MS41c
GQ284369.1 gg_id:583230 Paenibacillus barengoltzii str. THWCSN46
GQ284371.1 gg_id:567491 Paenibacillus barengoltzii str. THWCSN50
AB073364.1 gg_id:78279 Paenibacillus borealis str. DSM 13118
FJ266315.1 gg_id:513350 Paenibacillus borealis str. RFNB4
AJ011322.1 gg_id:14376 Paenibacillus borealis KK19
NR_024857.1 gg_id:555585 Paenibacillus campinasensis str. 324; KCTC 364BP
AF181573.1 gg_id:73805 Paenibacillus cf. polymyxa 6
EF516124.1 gg_id:225551 grassland soil clone FCPP694
EF492898.1 gg_id:243136 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule
DQ906781.1 gg_id:250537 Oman subsurface soil clone 2A-10
EU240430.1 gg_id:245111 Paenibacillus chondroitinus str. B179
AB245386.1 gg_id:150342 Paenibacillus pocheonensis str. Gsoil 1138
AJ438302.1 gg_id:67648 Paenibacillus cookii str. R-11600
D78466.1 gg_id:14415 Paenibacillus curdlanolyticus str. IFO15724T
FJ944652.1 gg_id:539755 Paenibacillus elgii str. KUDC1030
AY090110.1 gg_id:89996 Paenibacillus elgii str. SD17
FJ189797.1 gg_id:571764 Paenibacillus illinoisensis str. CSB12
D85397.1 gg_id:14360 Paenibacillus illinoisensis str. NRRL NRS-1356T
FJ973530.1 gg_id:465403 Paenibacillus lactis str. NBPP29 B29
AY257868.1 gg_id:84777 Paenibacillus lactis str. MB 1871
AY257870.1 gg_id:101148 Paenibacillus lactis str. MB 2035
EF415643.1 gg_id:207810 Paenibacillus larvae C

EU435385.1	272151	3380.8	2868.2	1274.0	2995.5	1470.9	2331.9
EF429201.1	211532	12697.0	15461.8	7448.9	10425.2	10549.1	10892.7
AJ320491.1	28165	6523.6	5902.1	2840.5	7091.6	5492.2	4758.8
EF103205.1	182312	2623.7	2109.3	1290.9	2005.7	1716.7	2343.7
EF690415.1	252209	4022.9	3557.3	2459.7	2988.1	1912.1	2294.4
AJ884854.1	186123	3206.9	2638.0	1724.7	4616.3	3881.4	4144.0
FJ006879.1	313888	1478.9	1016.5	1382.0	664.8	266.1	767.6
AJ884852.1	199597	62.9	226.1	263.4	95.6	97.5	153.0
FJ944661.1	545044	6639.1	5746.6	4873.4	5682.6	4623.9	5134.2
AJ495806.1	55541	2412.0	3315.1	2876.9	2576.4	1563.1	2010.3
AJ884856.1	174753	2610.2	2992.7	3096.8	1878.8	1107.8	867.9
AB073201.1	77745	555.6	744.0	1428.2	67.6	765.8	1393.8
GQ284360.1	549779	5472.7	4828.7	2930.2	4183.1	1396.9	2557.2
GQ284370.1	559070	12766.1	9815.0	7927.2	11105.1	13176.2	11089.2
DQ124699.1	140775	1911.5	2272.5	2364.5	2111.8	4304.5	3741.7
GQ284353.1	577062	243.4	1028.8	204.2	152.9	96.5	162.9
GQ284361.1	547686	112.3	609.9	263.8	116.0	75.6	336.1
GQ284355.1	548873	254.8	1040.7	235.9	165.4	97.7	342.8
EU888523.1	314265	100.1	393.5	124.0	124.1	72.2	83.6
GQ284369.1	583230	352.4	1310.9	358.4	220.5	90.5	387.1
GQ284371.1	567491	59.1	90.0	109.4	130.4	85.3	342.9
AB073364.1	78279	206.2	318.6	654.5	230.2	169.0	616.2
FJ266315.1	513350	8793.7	9615.7	8536.5	5086.1	4080.8	3891.8
AJ011322.1	14376	2546.2	3456.9	3462.7	2152.5	1887.2	2089.2
NR_024857.1	555585	1698.0	1607.3	1090.8	2271.0	895.5	1523.3
AF181573.1	73805	52.2	96.0	115.9	78.2	86.9	59.3
EF516124.1	225551	171.5	308.5	384.3	192.1	110.4	353.4
EF492898.1	243136	2412.4	2000.4	1279.9	626.5	1460.0	1198.2
DQ906781.1	250537	4548.4	4836.3	4842.0	2472.7	3979.6	3816.2
EU240430.1	245111	187.3	246.9	384.6	211.9	175.1	319.6
AB245386.1	150342	3179.7	3152.5	3610.9	2976.1	4253.8	3666.4
AJ438302.1	67648	433.1	378.2	599.8	623.2	125.7	444.8
D78466.1	14415	20.5	27.7	104.1	45.7	46.8	18.8
FJ944652.1	539755	567.7	800.3	2493.4	633.4	1889.5	1939.2
AY090110.1	89996	1097.9	1087.0	1482.2	757.9	2108.3	2073.5
FJ189797.1	571764	223.0	353.8	713.1	494.2	548.2	937.6
D85397.1	14360	1766.0	1838.5	1638.1	1604.2	615.2	944.0
FJ973530.1	465403	8351.3	8714.5	5877.6	5946.7	8111.2	8096.1
AY257868.1	84777	213.3	509.7	674.6	216.6	631.8	921.4
AY257870.1	101148	10171.0	7242.0	8188.9	8699.9	10930.0	10603.1
EF415643.1	207810	74.0	81.2	42.4	74.5	86.8	79.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__Paenibacillus lautus	50199
s__Paenibacillus lautus	50279
s__Paenibacillus lautus	50326
s__Paenibacillus lautus	50362
s__Paenibacillus lautus	50742
s__Paenibacillus lautus	50881
s__Paenibacillus lautus	50888
s__Paenibacillus lentimorbus	50292
s__Paenibacillus lentimorbus	50684
s__Paenibacillus lentimorbus	50963
s__Paenibacillus macerans	50104
s__Paenibacillus macquariensis	50967
s__Paenibacillus massiliensis	50567
s__Paenibacillus naphthalenovorans	50914
s__Paenibacillus nematophilus	50087
s__Paenibacillus popilliae	50342
s__Paenibacillus popilliae	50511
s__Paenibacillus sabinae	50013
s__Paenibacillus sabinae	50410
s__Paenibacillus sabinae	50718
s__Paenibacillus sp. KFC 91	50846
s__Paenibacillus stellifer	50171
s__Paenibacillus stellifer	50612
s__Paenibacillus terrae	50704
s__Paenibacillus terrae	50816
s__Paenibacillus turicensis	50251
s__Paenibacillus validus	50873
s__unclassified	49988
s__unclassified	49999
s__unclassified	50004
s__unclassified	50010
s__unclassified	50014
s__unclassified	50019
s__unclassified	50027
s__unclassified	50031
s__unclassified	50033
s__unclassified	50034
s__unclassified	50035
s__unclassified	50036
s__unclassified	50051
s__unclassified	50053

AY509231.1 gg_id:99387 Paenibacillus lautus str. S138
EU834247.1 gg_id:330648 Paenibacillus lautus str. DS19
EU236729.1 gg_id:247052 Paenibacillus lautus str. X6
EU249589.1 gg_id:251174 Paenibacillus sp. str. TPSB9
AJ491842.1 gg_id:78091 Paenibacillus lautus str. C2
AB363733.1 gg_id:252320 Paenibacillus lautus str. NBRC 15380
FJ974058.1 gg_id:382810 Paenibacillus lautus str. SK21
EF190498.1 gg_id:246384 Paenibacillus lentimorbus str. NRRL B-2521
EF190499.1 gg_id:241813 Paenibacillus lentimorbus str. DNG 10
EF190503.1 gg_id:238399 Paenibacillus lentimorbus str. DNG 16
EU071599.1 gg_id:237117 Paenibacillus macerans str. EHFS1_S05Ta
EF459546.1 gg_id:205051 Paenibacillus macquariensis KFC-81
AY230766.1 gg_id:84901 Paenibacillus massiliensis str. Smarlab BioMol-2301065
AF353681.1 gg_id:51767 Paenibacillus naphthalenovorans str. PR-N1; ATCC BAA-206; DSM14203
AF480935.1 gg_id:84099 Paenibacillus nematophilus str. NEM1a
EF190490.1 gg_id:239823 Paenibacillus popilliae str. Dutky 1S
EF190489.1 gg_id:250407 Paenibacillus popilliae str. NRRL B-2524
DQ338445.1 gg_id:147610 Paenibacillus sabina str. T67
DQ338447.1 gg_id:149770 Paenibacillus sabina str. JD2
DQ338446.1 gg_id:147466 Paenibacillus sabina str. T49
FJ973543.1 gg_id:418246 Paenibacillus sp. str. NBPP40 B40
GU321990.1 gg_id:568880 Paenibacillus stellifer str. Hp92
AJ316013.1 gg_id:48149 Paenibacillus stellifer str. IS1
EF690404.1 gg_id:255964 Paenibacillus terrae M1-4
AJ318910.2 gg_id:77277 Paenibacillus terrae str. MH72
AJ297714.1 gg_id:42642 Paenibacillus sp. P15-9
AB073203.1 gg_id:78225 Paenibacillus validus str. JCM 9077
AM900793.1 gg_id:249211 Paenibacillus sp. PA231
EU867345.1 gg_id:553260 Paenibacillus sp. str. CCGE3112
AY837734.1 gg_id:141548 -Based Identification Midgut Field-Caught Anopheles gambiae Sensu Lato and . funes
AB092351.1 gg_id:71025 Paenibacillus fujiensis str. Br1
DQ338448.1 gg_id:146263 Paenibacillus sabina str. G18-7
EU257517.1 gg_id:268656 Paenibacillus ourofinensis str. AC13MSD
NR_028886.1 gg_id:579344 Paenibacillus graminis str. RSA19; ATCC BAA-95
AM162329.1 gg_id:141176 Paenibacillus sp. L47
FN563205.1 gg_id:564674 Impact changing HRT OLR on prokaryotes involved biomethanizitaion and fuzzy logic
EU391155.1 gg_id:410549 Paenibacillus pueri str. b13i-1
EF194764.2 gg_id:187176 Paenibacillus sp. str. FH2071
AB162693.1 gg_id:122657 Paenibacillus sp. str. SH-55
EF165014.1 gg_id:192432 Bacillus sp. str. PML14
AB377108.1 gg_id:263427 Paenibacillus alvei str. AUG6

AY509231.1	99387	306.3	783.2	278.7	136.9	112.5	114.7
EU834247.1	330648	193.8	249.9	209.1	804.1	69.6	124.2
EU236729.1	247052	823.2	968.9	464.6	1089.3	431.8	619.6
EU249589.1	251174	1649.9	2394.8	671.7	911.5	643.2	923.2
AJ491842.1	78091	195.7	330.4	432.3	194.3	78.6	348.2
AB363733.1	252320	283.0	784.8	262.6	131.0	109.5	101.5
FJ974058.1	382810	84.4	141.9	218.6	93.3	115.8	171.6
EF190498.1	246384	80.7	169.9	282.0	72.7	78.3	336.0
EF190499.1	241813	2268.1	2021.1	1785.3	2312.3	1275.0	2164.5
EF190503.1	238399	68.9	116.1	146.5	69.3	69.7	168.5
EU071599.1	237117	202.0	253.2	409.7	521.3	949.8	688.3
EF459546.1	205051	9012.6	9550.8	5422.3	6882.0	6494.1	6370.5
AY230766.1	84901	3379.1	3915.9	2219.9	3454.1	2642.7	2834.2
AF353681.1	51767	2231.5	1849.7	1461.4	2364.8	894.4	1786.1
AF480935.1	84099	2355.7	2917.0	2796.5	1680.0	5137.5	3875.6
EF190490.1	239823	78.7	229.4	399.0	200.4	90.9	264.9
EF190489.1	250407	26.3	68.2	88.4	54.6	65.6	95.6
DQ338445.1	147610	6220.7	6075.3	3040.8	6024.2	16146.0	12352.8
DQ338447.1	149770	185.0	255.8	1165.6	194.9	146.3	805.1
DQ338446.1	147466	4990.2	5018.5	2715.7	2255.8	7221.6	4454.5
FJ973543.1	418246	414.9	963.0	470.7	450.5	935.7	1231.6
GU321990.1	568880	2981.8	2410.4	2726.7	4413.4	2435.4	2563.5
AJ316013.1	48149	2456.4	2691.8	2242.0	2883.6	2319.6	2628.8
EF690404.1	255964	4593.5	4433.3	2878.1	5461.5	2365.4	3232.5
AJ318910.2	77277	480.9	737.9	663.3	172.0	313.9	811.4
AJ297714.1	42642	30.4	42.4	68.8	61.0	61.3	109.0
AB073203.1	78225	132.7	209.2	403.6	82.8	92.9	266.4
AM900793.1	249211	10.2	22.4	19.6	48.8	66.6	18.7
EU867345.1	553260	150.4	64.5	97.2	212.9	288.5	393.3
AY837734.1	141548	26.5	43.8	25.5	56.7	76.5	21.8
AB092351.1	71025	138.1	203.3	835.1	170.8	250.4	486.8
DQ338448.1	146263	719.4	939.0	980.9	397.5	373.1	1226.5
EU257517.1	268656	519.9	579.6	1435.3	296.4	1426.1	1651.3
NR_028886.1	579344	8719.1	8894.9	6707.5	4585.4	6117.5	6886.5
AM162329.1	141176	2062.7	1238.6	3116.3	1425.7	917.1	2194.0
FN563205.1	564674	1003.7	1870.9	1532.2	751.0	1187.6	1155.0
EU391155.1	410549	110.6	321.8	578.4	153.2	176.5	596.7
EF194764.2	187176	83.7	81.1	125.5	92.1	264.2	154.3
AB162693.1	122657	799.3	824.0	1168.1	715.8	773.5	898.3
EF165014.1	192432	94.0	173.9	172.1	158.3	118.8	233.7
AB377108.1	263427	2362.6	2501.4	997.6	474.9	1410.2	1073.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__unclassified	50057
s__unclassified	50059
s__unclassified	50061
s__unclassified	50066
s__unclassified	50068
s__unclassified	50071
s__unclassified	50079
s__unclassified	50081
s__unclassified	50086
s__unclassified	50089
s__unclassified	50092
s__unclassified	50097
s__unclassified	50100
s__unclassified	50102
s__unclassified	50113
s__unclassified	50115
s__unclassified	50120
s__unclassified	50123
s__unclassified	50127
s__unclassified	50133
s__unclassified	50136
s__unclassified	50140
s__unclassified	50152
s__unclassified	50153
s__unclassified	50172
s__unclassified	50174
s__unclassified	50179
s__unclassified	50180
s__unclassified	50181
s__unclassified	50182
s__unclassified	50186
s__unclassified	50188
s__unclassified	50191
s__unclassified	50194
s__unclassified	50195
s__unclassified	50201
s__unclassified	50207
s__unclassified	50209
s__unclassified	50212
s__unclassified	50215
s__unclassified	50231

EF173330.1 gg_id:198464 Paenibacillus anaericanus MKI16
AY328609.1 gg_id:88221 drinking water system simulator clone HOClCi60
AM930274.1 gg_id:571641 gradual cooling stage mass and its spatial composting clone SMG8
DQ346513.1 gg_id:154742 during composting libraries compost clone 2B29
DQ129556.1 gg_id:138658 microarray level air two cities Texas urban aerosol clone AKIW1130
AJ251193.1 gg_id:21436 Paenibacillus sp. str. TRO4 (=LMG 19081)
GQ249618.1 gg_id:589407 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 18-20 cm layer cl
AM492794.1 gg_id:555079 Paenibacillus darangshiensis str. DSL-01 = JBRI 2110
EU257201.2 gg_id:278281 Paenibacillus riograndensis str. SBR5
EF452662.1 gg_id:214602 Paenibacillus sp. str. DCY16
AM900790.1 gg_id:235287 Paenibacillus sp. PA227
DQ816106.1 gg_id:166366 mouse cecum clone aaa87h04
FN395280.1 gg_id:421089 Paenibacillus sp. str. FR-W5cb
GU272267.1 gg_id:535255 library dichlorvos treatment rape phyllosphere clone TF178
EU730934.1 gg_id:312510 Paenibacillus validus str. 197
X77792.1 gg_id:14409 Bacillus viscosus str. ATCC 51155
AB045094.1 gg_id:99679 Paenibacillus pabuli str. HSCC 492T (NRRL NRS-924T)
DQ338444.1 gg_id:146742 Paenibacillus sabina str. T27
EU571156.1 gg_id:276668 Paenibacillus sp. str. 11-5
EU798300.1 gg_id:350178 Paenibacillus favisporus str. GXN153
AY728023.1 gg_id:163477 Paenibacillus sp. str. H3029
EU464732.1 gg_id:302066 Hartmann's mountain zebra feces clone AFZEB_aaj69h02
FJ544322.1 gg_id:461651 Paenibacillus graminis str. 801
AY279193.1 gg_id:86920 Paenibacillus favisporus str. KNUC56
EU464951.1 gg_id:300927 African elephant feces clone AFYEL_aaj65f10
EU570250.1 gg_id:275303 Paenibacillus sp. str. CJ25
EU003588.1 gg_id:235578 Paenibacillus sp. str. NCCB 100172
EF690429.1 gg_id:243542 Paenibacillus sp. M9-2
EU571197.1 gg_id:269962 Paenibacillus sp. str. 25-14
AJ318909.2 gg_id:77280 MH21 earthworm gut
AY559427.1 gg_id:202319 Hot Springs Taiwan hot spring water clone LS35
EU240395.1 gg_id:245141 Paenibacillus amylolyticus str. B87
AY326632.1 gg_id:136867 Amazon soil clone 43-1
EU240394.1 gg_id:239112 Paenibacillus sp. str. B113
AM745263.1 gg_id:243849 Paenibacillus caespitis str. LMG 23879
AJ131119.1 gg_id:14368 Paenibacillus sp. vortex
AY772704.1 gg_id:110061 Paenibacillus polymyxa str. CP7
EF025575.1 gg_id:185569 Paenibacillus ehimensis str. IB5
DQ129332.1 gg_id:137603 urban aerosol clone AKIW967
DQ407277.1 gg_id:156397 Paenibacillus sp. str. PALXIL02
AM906087.1 gg_id:252504 Paenibacillus sp. str. P117

EF173330.1	198464	18753.9	14461.2	12540.4	10872.3	7929.6	6958.6
AY328609.1	88221	8785.2	7352.4	6976.2	8800.4	4510.6	5250.4
AM930274.1	571641	862.1	1150.4	2589.5	1523.2	223.0	1461.5
DQ346513.1	154742	24.0	26.5	16.6	40.7	63.8	22.4
DQ129556.1	138658	4549.6	4483.3	4092.5	2823.7	2941.6	2851.6
AJ251193.1	21436	1529.1	1796.2	1794.8	1030.1	1110.6	1065.7
GQ249618.1	589407	1478.7	2840.4	2350.9	2057.3	3617.4	3070.2
AM492794.1	555079	2356.0	2251.1	2074.6	2839.0	722.6	1274.4
EU257201.2	278281	4802.3	5253.5	2073.0	3374.2	5202.4	5237.5
EF452662.1	214602	1248.0	1937.9	316.0	375.2	394.4	390.6
AM900790.1	235287	98.4	127.5	330.6	117.3	84.8	358.4
DQ816106.1	166366	29.9	58.9	57.7	66.5	97.8	103.5
FN395280.1	421089	1109.8	2538.3	2414.7	1490.7	1069.8	2404.1
GU272267.1	535255	9797.5	10860.8	9904.2	8596.2	6622.2	6799.5
EU730934.1	312510	708.1	903.7	928.0	389.2	476.9	1203.7
X77792.1	14409	569.5	526.8	595.7	365.1	281.7	724.0
AB045094.1	99679	1386.6	1330.8	1018.3	2030.9	488.0	1401.2
DQ338444.1	146742	3897.7	4271.1	4019.3	4858.2	7575.9	5712.5
EU571156.1	276668	2115.6	2392.8	1092.7	2468.2	1667.4	2363.2
EU798300.1	350178	2101.5	2757.6	608.9	2466.1	1834.8	1721.0
AY728023.1	163477	45.4	128.7	98.4	73.3	64.9	205.1
EU464732.1	302066	1065.8	855.5	783.2	2548.8	132.5	241.4
FJ544322.1	461651	469.7	691.7	2282.3	444.9	1163.8	2320.7
AY279193.1	86920	607.1	347.8	1311.4	1631.4	176.8	453.6
EU464951.1	300927	6991.1	7952.4	7377.3	8277.6	10402.1	10672.5
EU570250.1	275303	126.8	220.5	513.6	315.2	136.8	790.1
EU003588.1	235578	3449.9	3956.4	4746.0	2381.9	1712.3	2992.9
EF690429.1	243542	682.5	802.3	1360.0	71.9	786.1	839.2
EU571197.1	269962	627.1	774.9	250.7	235.8	187.7	422.4
AJ318909.2	77280	3030.8	3782.0	1093.1	833.2	1271.6	1940.9
AY559427.1	202319	3400.3	4227.5	4417.8	4398.8	6870.1	7616.3
EU240395.1	245141	772.2	1346.0	4274.3	1466.5	787.0	1519.8
AY326632.1	136867	1241.4	1867.4	953.3	400.0	677.8	2920.8
EU240394.1	239112	10862.5	10900.4	8455.5	10893.0	13269.1	11635.7
AM745263.1	243849	1881.2	1617.9	1787.3	2735.5	2970.5	4531.2
AJ131119.1	14368	913.2	1015.3	728.9	367.7	1206.1	665.5
AY772704.1	110061	4006.6	3529.7	1491.8	6573.4	6120.0	6686.8
EF025575.1	185569	445.3	727.2	4104.0	618.7	1750.8	1711.3
DQ129332.1	137603	2175.5	3031.3	2804.3	1752.2	1376.9	1742.3
DQ407277.1	156397	4405.7	5500.2	7970.9	3147.7	1997.1	2965.8
AM906087.1	252504	51.6	104.0	275.8	79.3	661.8	372.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__unclassified	50232
s__unclassified	50238
s__unclassified	50246
s__unclassified	50250
s__unclassified	50252
s__unclassified	50256
s__unclassified	50259
s__unclassified	50260
s__unclassified	50262
s__unclassified	50285
s__unclassified	50295
s__unclassified	50297
s__unclassified	50301
s__unclassified	50302
s__unclassified	50306
s__unclassified	50310
s__unclassified	50319
s__unclassified	50323
s__unclassified	50325
s__unclassified	50331
s__unclassified	50336
s__unclassified	50345
s__unclassified	50349
s__unclassified	50350
s__unclassified	50356
s__unclassified	50358
s__unclassified	50364
s__unclassified	50365
s__unclassified	50373
s__unclassified	50374
s__unclassified	50381
s__unclassified	50382
s__unclassified	50383
s__unclassified	50384
s__unclassified	50386
s__unclassified	50392
s__unclassified	50412
s__unclassified	50413
s__unclassified	50414
s__unclassified	50418
s__unclassified	50420

EU362606.1 gg_id:274746 Paenibacillus polymyxa TN84
AB257600.1 gg_id:262550 Paenibacillus sp. str. KSM-318
AB073189.1 gg_id:78298 Paenibacillus glucanolyticus str. DSM 5162
EU249588.1 gg_id:237405 Paenibacillus sp. str. DFVB13
GQ244430.1 gg_id:579358 Paenibacillus sp. str. R2
GQ007872.1 gg_id:501793 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw:
DQ272469.1 gg_id:141630 Paenibacillus sp. str. ADC2
EU134647.1 gg_id:252877 tallgrass prarie soil clone FFCH14175
DQ291142.1 gg_id:142876 Paenibacillus sepulcri str. CCM 7311; LMG 19508
FJ432004.1 gg_id:366723 Paenibacillus chibensis str. ZYb3
EF690424.1 gg_id:240189 Paenibacillus sp. M10-6
GQ476810.2 gg_id:578500 Paenibacillus sp. str. R172
AF071860.1 gg_id:14395 Paenibacillus popilliae str. NRRL B-4081
AY592793.1 gg_id:103973 deep-sea mud volcano clone Napoli-4B-79; BC07-4B-79
AF130254.1 gg_id:42610 Paenibacillus koreensis str. YC300
AY302187.1 gg_id:90699 Paenibacillus polymyxa str. BS04
DQ816367.1 gg_id:168948 mouse cecum clone aab17b06
EF620476.1 gg_id:247159 Paenibacillus polymyxa str. ISSDS-307
AB042938.1 gg_id:43825 Paenibacillus glycanilyticus str. DS-1
AB294155.1 gg_id:210271 Paenibacillus sp. str. BS2
GU187433.1 gg_id:569728 Paenibacillus sp. str. CAU 9324
AY289501.2 gg_id:100104 Paenibacillus sp. IDA4508
AY556414.1 gg_id:100022 Paenibacillus sp. str. SSL4
AJ576374.1 gg_id:99041 midgut homogenate Pachnoda ephippiata larva clone PeM01
GQ497919.1 gg_id:586156 Paenibacillus sp. str. KO_CM21
AJ863291.1 gg_id:120989 poplar tree microcosm rhizosphere unflooded clone 4RHU38
AB073192.1 gg_id:78185 Paenibacillus illinoisensis str. JCM 9907
GQ202679.1 gg_id:577284 Paenibacillus sp. str. U4 STR
AM162295.1 gg_id:143576 Paenibacillus sp. 6M20
AF480934.1 gg_id:84499 Paenibacillus sp. str. NEM3
EU722403.1 gg_id:342726 Paenibacillus sp. str. 13-4-17
AB119649.2 gg_id:94822 Paenibacillus abekawaensis str. MG1
FJ542823.1 gg_id:520512 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone A
AY382189.1 gg_id:98371 Paenibacillus sp. str. R-7652
EF212892.1 gg_id:272047 Paenibacillus urinalis str. 5402403
AM745265.1 gg_id:258150 Paenibacillus telluris str. LMG 23881T
AM162324.1 gg_id:143178 Paenibacillus sp. HO2-R17
GU080334.1 gg_id:539906 Paenibacillus sp. str. XP13
AY266990.1 gg_id:86275 Paenibacillus sp. str. 448-L5
AB179866.1 gg_id:99385 Paenibacillus sp. str. SG
AF515611.1 gg_id:64883 Paenibacillus polymyxa str. GBR-1

EU362606.1	274746	154.4	392.1	513.0	119.2	189.8	288.1
AB257600.1	262550	632.9	353.2	2381.3	379.2	241.9	663.9
AB073189.1	78298	2990.2	3328.2	1909.5	2503.9	2873.6	2364.9
EU249588.1	237405	19.0	47.0	47.9	53.3	75.0	56.0
GQ244430.1	579358	3697.5	3593.4	3469.6	4330.8	1219.1	1970.3
GQ007872.1	501793	405.9	617.6	1951.5	258.3	243.4	907.6
DQ272469.1	141630	226.5	231.4	373.0	145.0	503.2	78.0
EU134647.1	252877	726.2	1143.6	2168.2	949.0	785.1	1518.3
DQ291142.1	142876	538.3	876.2	1020.9	755.1	252.8	787.2
FJ432004.1	366723	1033.4	1222.2	1434.0	273.2	579.3	499.1
EF690424.1	240189	3620.5	4357.5	2195.3	3815.3	3251.7	2586.0
GQ476810.2	578500	2992.2	3824.7	2896.8	3889.2	2074.7	3017.3
AF071860.1	14395	25.8	341.2	73.4	38.5	46.4	45.6
AY592793.1	103973	6354.1	5843.6	4492.3	5995.2	10323.8	7890.5
AF130254.1	42610	106.7	1141.4	1281.6	188.9	2530.5	3779.6
AY302187.1	90699	2851.0	2220.6	3301.0	4350.3	2128.6	3121.4
DQ816367.1	168948	11243.0	10931.4	9455.4	8050.6	6617.6	6724.4
EF620476.1	247159	1950.2	2974.7	4428.3	3082.5	3648.0	3274.0
AB042938.1	43825	2333.7	2179.9	3893.4	2154.1	691.2	2067.1
AB294155.1	210271	391.3	348.2	258.7	280.8	351.2	387.8
GU187433.1	569728	1379.0	1601.7	938.4	1516.2	835.9	2745.8
AY289501.2	100104	6440.4	6623.4	2038.5	4324.4	294.4	1199.0
AY556414.1	100022	1341.7	1469.1	3846.7	1259.1	1152.1	1508.8
AJ576374.1	99041	229.1	171.0	175.7	189.7	164.6	419.8
GQ497919.1	586156	51.7	82.3	105.9	112.2	92.1	77.1
AJ863291.1	120989	8233.6	9824.4	5464.3	6352.4	10800.7	9319.7
AB073192.1	78185	61.4	345.2	315.9	72.8	76.9	441.8
GQ202679.1	577284	2248.1	1899.5	1665.0	3373.7	1438.1	2211.3
AM162295.1	143576	2806.6	3076.0	2327.4	2384.3	1012.6	2025.1
AF480934.1	84499	144.7	295.6	2229.0	166.9	191.9	420.7
EU722403.1	342726	262.0	806.9	1355.0	176.1	112.9	1107.1
AB119649.2	94822	2768.4	3755.7	7628.5	2419.8	3449.2	3283.9
FJ542823.1	520512	913.5	1724.9	1987.3	1217.0	4073.8	3904.3
AY382189.1	98371	33.3	52.2	78.6	72.1	53.6	37.4
EF212892.1	272047	240.1	638.9	406.3	217.3	81.8	149.5
AM745265.1	258150	536.8	578.0	2023.1	660.4	461.2	1609.8
AM162324.1	143178	2491.4	2524.7	1356.1	4765.4	313.3	1098.7
GU080334.1	539906	130.9	276.7	378.4	128.9	333.1	243.3
AY266990.1	86275	102.2	144.4	278.2	102.9	164.7	218.3
AB179866.1	99385	418.6	780.4	759.2	682.4	317.1	759.3
AF515611.1	64883	8839.5	6310.2	6655.7	9275.1	6044.3	6714.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__unclassified	50421
s__unclassified	50422
s__unclassified	50424
s__unclassified	50432
s__unclassified	50435
s__unclassified	50436
s__unclassified	50438
s__unclassified	50441
s__unclassified	50444
s__unclassified	50446
s__unclassified	50450
s__unclassified	50451
s__unclassified	50453
s__unclassified	50460
s__unclassified	50462
s__unclassified	50465
s__unclassified	50468
s__unclassified	50470
s__unclassified	50474
s__unclassified	50478
s__unclassified	50484
s__unclassified	50487
s__unclassified	50488
s__unclassified	50497
s__unclassified	50510
s__unclassified	50512
s__unclassified	50518
s__unclassified	50521
s__unclassified	50524
s__unclassified	50525
s__unclassified	50526
s__unclassified	50532
s__unclassified	50533
s__unclassified	50534
s__unclassified	50541
s__unclassified	50545
s__unclassified	50548
s__unclassified	50550
s__unclassified	50554
s__unclassified	50558
s__unclassified	50573

AB486660.1 gg_id:592542 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCORC
FJ006910.1 gg_id:347359 Paenibacillus sp. str. WPCB158
DQ816059.1 gg_id:169712 mouse cecum clone aaa86h05
EU134623.1 gg_id:241881 tallgrass prarie soil clone FFCH7271
GQ263672.1 gg_id:573776 Structure Simulated Level Waste Site simulated level waste site clone FW3_62C
EU464927.1 gg_id:296158 African elephant feces clone AFYEL_aaj65c09
DQ407283.1 gg_id:151967 Paenibacillus sp. str. PALXIL11
EU571198.1 gg_id:275621 Paenibacillus sp. str. 27-7
EU982512.1 gg_id:513039 Paenibacillus polymyxa str. 1207
EU134664.1 gg_id:257557 tallgrass prarie soil clone FFCH7932
AF355463.1 gg_id:42808 Paenibacillus polymyxa
DQ836314.1 gg_id:166697 Paenibacillus validus str. S3
DQ890521.1 gg_id:163114 Paenibacillus taiwanensis str. BCRC 17411
AF164345.1 gg_id:46987 Paenibacillus chinjuensis str. WN9
AB045096.1 gg_id:99994 Bacillus sp. str. HSCC 1471 (NCIMB 9651)
AB111937.2 gg_id:100108 Paenibacillus sp. str. A63
AY439226.1 gg_id:106608 Paenibacillus sp. GIC16
EF079062.1 gg_id:179040 Paenibacillus donghaensis str. JH 8
AF395028.1 gg_id:38098 Paenibacillus sp. str. C15
AJ229199.1 gg_id:50002 anoxic bulk soil flooded rice microcosm clone BSV44 clone
AF006077.1 gg_id:14405 Bacillus mucilaginosus str. 1480D
AM162334.1 gg_id:141122 Paenibacillus sp. YN08-04
GQ058441.1 gg_id:430478 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
EU464831.1 gg_id:289481 Hartmann's mountain zebra feces clone AFZEB_aaj71f03
GQ476811.2 gg_id:546073 Paenibacillus sp. str. R12-2
EF127602.1 gg_id:207635 Fossil Genes and Microbes Entombed Oldest Ice on Earth ice clone EME078
EU571139.1 gg_id:263497 Paenibacillus sp. str. 3-1
EU888525.1 gg_id:334762 Paenibacillus sp. str. FR1_23
GQ263441.1 gg_id:579869 Structure Simulated Level Waste Site simulated level waste site clone FW2_127B
GQ284352.1 gg_id:568865 Paenibacillus barengoltzii str. THWCS4
AF468220.1 gg_id:110511 Paenibacillus sp. 1
NR_025754.1 gg_id:574476 Paenibacillus sanguinis str. 2301083; CCUG 48214
DQ816668.1 gg_id:165977 mouse cecum clone aaa97a09
AY167820.1 gg_id:77386 Paenibacillus sp. str. SAFN-007
NR_029109.1 gg_id:563078 Paenibacillus xylanilyticus str. XIL14; LMG 21957
DQ085279.1 gg_id:137505 Paenibacillus ruminocola str. G22
DQ125886.1 gg_id:134126 uranium contaminated soil clone AKAU4139
FJ040809.1 gg_id:572351 Paenibacillus macerans str. HR13
AM162300.1 gg_id:143828 Paenibacillus sp. F11
X77846.1 gg_id:14423 Paenibacillus durus str. DSM 1735
AB362821.1 gg_id:241963 Paenibacillus sp. str. YT0003

AB486660.1	592542	203.5	687.0	1274.5	206.8	68.4	160.2
FJ006910.1	347359	221.7	258.2	439.5	151.7	416.7	781.4
DQ816059.1	169712	4030.4	4361.5	1759.1	4246.8	6812.4	5118.2
EU134623.1	241881	4764.4	4607.6	5054.0	4510.9	1639.2	3835.7
GQ263672.1	573776	1661.7	2202.7	1995.0	836.6	1072.2	1582.3
EU464927.1	296158	13458.7	12715.9	11029.5	12942.8	11276.6	10901.5
DQ407283.1	151967	2589.8	2912.3	3964.4	2546.4	798.3	1983.2
EU571198.1	275621	4268.6	3580.7	2281.1	2876.7	6485.6	3248.3
EU982512.1	513039	10083.4	11123.7	5543.3	8230.7	10188.8	9468.7
EU134664.1	257557	1230.9	1132.2	767.0	764.2	940.8	947.0
AF355463.1	42808	7558.4	8745.0	4577.0	2595.5	668.1	1220.1
DQ836314.1	166697	8913.1	8799.4	6681.9	8522.6	12975.7	11041.8
DQ890521.1	163114	91.1	92.5	80.6	54.2	61.1	49.4
AF164345.1	46987	1667.6	1746.2	7883.6	3901.6	5432.4	5815.6
AB045096.1	99994	245.2	186.9	432.9	188.0	254.1	440.5
AB111937.2	100108	593.4	1110.3	550.6	591.8	381.7	749.9
AY439226.1	106608	1982.6	1929.2	1476.1	1329.2	315.9	900.8
EF079062.1	179040	4794.7	3785.8	3107.6	4464.9	1252.0	2879.4
AF395028.1	38098	93.7	176.0	1375.9	117.9	7540.1	103.6
AJ229199.1	50002	114.6	324.6	393.4	157.5	1431.4	851.1
AF006077.1	14405	2112.9	1854.4	998.2	1440.2	569.0	1279.2
AM162334.1	141122	97.6	179.3	274.5	108.3	141.0	342.3
GQ058441.1	430478	155.7	214.4	689.4	184.1	354.6	332.0
EU464831.1	289481	4523.8	5887.7	4128.1	2596.3	952.8	1529.9
GQ476811.2	546073	63.6	100.3	239.6	72.4	60.1	151.7
EF127602.1	207635	491.4	790.9	2037.5	520.3	579.7	1309.8
EU571139.1	263497	873.5	999.9	2250.4	1295.9	1188.0	2556.1
EU888525.1	334762	536.8	567.6	596.2	957.7	320.8	692.6
GQ263441.1	579869	1926.0	1848.5	4068.1	2234.8	547.2	1553.6
GQ284352.1	568865	1689.2	2230.8	1495.3	1841.7	3376.8	3375.2
AF468220.1	110511	1152.3	2592.3	2551.5	1296.4	1090.0	1964.7
NR_025754.1	574476	67.0	96.0	66.5	135.1	101.6	427.5
DQ816668.1	165977	429.0	675.3	897.9	272.5	376.8	757.0
AY167820.1	77386	41.5	72.8	47.6	65.4	78.8	39.4
NR_029109.1	563078	162.2	401.4	611.1	174.9	106.9	893.1
DQ085279.1	137505	22.2	24.0	25.3	39.0	59.1	25.4
DQ125886.1	134126	16.4	29.4	29.8	44.6	52.5	26.5
FJ040809.1	572351	1569.6	2008.3	1300.1	606.5	1587.5	2134.1
AM162300.1	143828	2914.9	3642.4	8256.9	3139.7	3565.8	5370.7
X77846.1	14423	52.0	88.3	434.9	110.8	101.1	419.4
AB362821.1	241963	1655.0	1514.8	970.7	1085.3	617.3	1334.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__unclassified	50586
s__unclassified	50587
s__unclassified	50589
s__unclassified	50595
s__unclassified	50598
s__unclassified	50600
s__unclassified	50602
s__unclassified	50608
s__unclassified	50622
s__unclassified	50625
s__unclassified	50633
s__unclassified	50634
s__unclassified	50637
s__unclassified	50645
s__unclassified	50648
s__unclassified	50649
s__unclassified	50652
s__unclassified	50657
s__unclassified	50659
s__unclassified	50665
s__unclassified	50669
s__unclassified	50680
s__unclassified	50683
s__unclassified	50686
s__unclassified	50688
s__unclassified	50708
s__unclassified	50710
s__unclassified	50711
s__unclassified	50713
s__unclassified	50714
s__unclassified	50715
s__unclassified	50723
s__unclassified	50734
s__unclassified	50736
s__unclassified	50737
s__unclassified	50746
s__unclassified	50747
s__unclassified	50754
s__unclassified	50756
s__unclassified	50760
s__unclassified	50762

AJ863306.1 gg_id:120886 poplar tree microcosm rhizosphere unflooded clone 16RHU12
AJ011321.1 gg_id:14375 Paenibacillus borealis KM8
AY397766.1 gg_id:96549 Paenibacillus sp. str. R-6466
EU464438.1 gg_id:288992 African elephant feces clone AFEL_aai29b10
AB045097.1 gg_id:100154 Bacillus sp. str. HSCC 1649T (IK-5)
EF620469.1 gg_id:245314 Paenibacillus polymyxa str. ISSDS-795
EU379277.1 gg_id:270084 Paenibacillus pabuli str. 4RS-1a
EU249590.1 gg_id:257331 Paenibacillus xylanilyticus str. DPBS5
DQ338443.1 gg_id:145299 Paenibacillus forsythia str. T98
GU328687.1 gg_id:566956 Paenibacillus sp. str. Nz32
GQ423056.1 gg_id:557058 Paenibacillus sp. str. S22
AB073363.1 gg_id:77737 Paenibacillus kobensis str. DSM 10249
GQ355278.1 gg_id:590264 Paenibacillus sp. str. GT-L27
DQ298737.1 gg_id:144677 soybean rhizosphere
AB482199.1 gg_id:553697 Paenibacillus abekawaensis str. MG1 (= DSM 16939 = NBRC 100733)
AY725249.1 gg_id:102292 decayed velvetleaf seed clone S1-1-CL12
EU134644.1 gg_id:257088 tallgrass prarie soil clone FFCH13623
EF626690.1 gg_id:240072 Paenibacillus sp. str. CKOBP-6
AJ000984.2 gg_id:14396 soil clone DA116
AB073197.1 gg_id:77646 Paenibacillus thiaminolyticus str. IFO 15656
AB366401.1 gg_id:277860 Paenibacillus pabuli str. SW12
AM162321.1 gg_id:141438 Paenibacillus sp. HS16-12
NR_025106.1 gg_id:548770 Paenibacillus brasilensis str. PB1 72; ATCC BAA-413
GU213302.1 gg_id:588836 Paenibacillus sp. str. 4-10
AB362822.1 gg_id:248417 Paenibacillus sp. str. YT0011
GQ284368.1 gg_id:573503 Paenibacillus barengoltzii str. THWCSN26
FN673694.1 gg_id:517700 Paenibacillus anaericanus str. DSM 15890
EU331367.1 gg_id:242588 Influence Nitrate on Microbial Reduction Pertechnetate nitrate microcosm sediment
FN293173.1 gg_id:543248 Paenibacillus sp. str. MC-246
EU373421.1 gg_id:273400 Paenibacillus polymyxa str. YRL13
DQ023221.2 gg_id:132196 Paenibacillus sp. str. GPTSA 19T
DQ309072.1 gg_id:150196 Paenibacillus soli str. DCY03
EU497637.1 gg_id:259802 Paenibacillus sp. str. Dg-1009
EF016794.1 gg_id:251102 Hyper-Arid Atacama Desert Soils soil clone A2B-E3-114
GQ015526.1 gg_id:494140 Topographical and Temporal Human Skin Microbiome skin back clone nbw817f06c1
AB045102.1 gg_id:104520 Paenibacillus ehimensis str. HSCC 594 (IFO 15658)
AF537343.3 gg_id:104054 Bacillus sp. str. MZLU
GU457786.1 gg_id:520530 Paenibacillus sp. str. R1-12-4
AM162305.1 gg_id:142343 Paenibacillus sp. A26
EU661711.1 gg_id:285693 Paenibacillus ehimensis str. NBRAJATH7
EF125184.1 gg_id:188416 Paenibacillus sp. str. SA-7-6

AJ863306.1	120886	3817.5	4348.1	2920.6	2541.9	5918.0	4756.1
AJ011321.1	14375	185.2	337.9	793.5	227.0	304.3	553.8
AY397766.1	96549	9935.3	13028.5	2955.0	7914.6	9845.0	8822.2
EU464438.1	288992	978.7	1739.5	1755.4	982.5	146.0	831.4
AB045097.1	100154	1793.9	1796.0	1411.1	1912.0	1609.9	1484.3
EF620469.1	245314	3521.2	4595.6	4746.7	4756.9	1960.3	3157.5
EU379277.1	270084	122.8	262.5	335.1	143.2	105.4	623.4
EU249590.1	257331	869.2	975.6	2724.2	506.5	1424.5	2093.3
DQ338443.1	145299	64.4	71.4	234.8	92.5	187.3	145.0
GU328687.1	566956	1195.5	1724.8	1201.4	858.9	1071.7	2151.9
GQ423056.1	557058	810.3	937.4	556.9	2111.3	3657.8	1036.8
AB073363.1	77737	569.4	1047.7	1251.9	599.0	346.6	634.5
GQ355278.1	590264	1144.1	1152.1	653.5	2209.7	367.4	682.1
DQ298737.1	144677	423.3	851.8	1134.2	882.5	445.8	800.3
AB482199.1	553697	479.7	407.5	1639.5	294.5	105.8	1115.7
AY725249.1	102292	36.5	51.0	68.4	98.6	81.1	124.1
EU134644.1	257088	59.9	158.8	540.2	111.8	2081.6	238.4
EF626690.1	240072	1434.3	2175.1	1147.4	1035.2	1200.7	1889.7
AJ000984.2	14396	303.3	461.7	332.0	2713.1	98.6	663.0
AB073197.1	77646	27.7	113.3	53.5	32.8	43.7	22.5
AB366401.1	277860	491.6	702.0	685.6	1043.1	555.9	639.9
AM162321.1	141438	42.6	70.0	240.4	69.5	89.2	89.2
NR_025106.1	548770	7872.6	6536.4	7144.1	6972.2	5646.6	5509.8
GU213302.1	588836	1367.7	1520.4	3315.1	1150.7	537.4	1636.7
AB362822.1	248417	4301.6	4246.3	2747.4	7173.1	4970.1	3890.8
GQ284368.1	573503	5738.5	4985.1	1942.9	5416.4	3671.9	4735.4
FN673694.1	517700	2264.7	1968.4	1432.2	4154.9	1960.5	2007.9
EU331367.1	242588	3702.2	3871.4	3547.2	3961.6	1272.2	2598.8
FN293173.1	543248	47.1	113.5	143.1	77.8	62.2	87.3
EU373421.1	273400	158.2	258.5	626.9	181.2	125.4	2052.5
DQ023221.2	132196	2357.2	3263.8	2833.1	5702.6	2344.4	3750.8
DQ309072.1	150196	716.9	876.3	3275.2	489.7	191.4	1632.1
EU497637.1	259802	332.8	326.8	230.0	409.8	94.9	370.5
EF016794.1	251102	2132.5	2348.4	4264.1	3945.6	4030.6	5096.9
GQ015526.1	494140	395.3	264.7	1041.6	275.6	132.9	953.6
AB045102.1	104520	95.3	173.2	417.1	202.9	95.1	1692.1
AF537343.3	104054	64.7	219.8	444.3	66.3	158.9	74.5
GU457786.1	520530	2129.7	3238.4	1048.4	1849.3	1656.5	1986.9
AM162305.1	142343	2150.2	1658.3	4127.4	4713.4	1524.2	2772.0
EU661711.1	285693	652.9	1095.1	563.9	540.4	879.0	2193.1
EF125184.1	188416	56.5	59.5	51.5	61.2	87.9	39.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus

s__unclassified	50765
s__unclassified	50769
s__unclassified	50771
s__unclassified	50775
s__unclassified	50776
s__unclassified	50777
s__unclassified	50778
s__unclassified	50779
s__unclassified	50781
s__unclassified	50782
s__unclassified	50783
s__unclassified	50784
s__unclassified	50792
s__unclassified	50795
s__unclassified	50796
s__unclassified	50797
s__unclassified	50798
s__unclassified	50814
s__unclassified	50823
s__unclassified	50830
s__unclassified	50833
s__unclassified	50838
s__unclassified	50843
s__unclassified	50857
s__unclassified	50865
s__unclassified	50867
s__unclassified	50874
s__unclassified	50875
s__unclassified	50878
s__unclassified	50879
s__unclassified	50880
s__unclassified	50886
s__unclassified	50887
s__unclassified	50892
s__unclassified	50895
s__unclassified	50900
s__unclassified	50906
s__unclassified	50911
s__unclassified	50926
s__unclassified	50928
s__unclassified	50931

DQ298315.1 gg_id:153617 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos
AY660695.1 gg_id:99020 Paenibacillus sp. cryopeg_1b 1b
AJ716019.1 gg_id:100354 Paenibacillus barcinonensis str. BP-23
AB245383.1 gg_id:146833 Paenibacillus ginsengagri str. Gsoil 3125
DQ243815.1 gg_id:151279 Paenibacillus sp. str. 2S6
EU391157.1 gg_id:419476 Paenibacillus pectinilyticus str. RCB-08
DQ112247.1 gg_id:131383 Paenibacillus sp. str. CWBI-B1070
AY154489.1 gg_id:107622 earthworm intestine clone wi32
EU647520.1 gg_id:545572 Paenibacillus sp. str. TeW
FN563170.1 gg_id:582506 Impact changing HRT OLR on prokaryotes involved biomethanizitaion and fuzzy logic
AM162341.1 gg_id:141288 Paenibacillus sp. GR13-04
Y13062.1 gg_id:80385 Bacillus circulans str. WSBC20030
EU571189.1 gg_id:260618 Paenibacillus sp. str. 23-13
EF199999.1 gg_id:189311 Paenibacillus odorifer str. PNF4
AJ863305.1 gg_id:119660 poplar tree microcosm rhizosphere unflooded clone 16RHU11
AJ223990.1 gg_id:14384 Paenibacillus odorifer str. TOD45
AM162322.1 gg_id:141541 Paenibacillus sp. YO4-02
AF290916.1 gg_id:28736 Paenibacillus daejeonensis str. AP-20
EU638756.1 gg_id:353899 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n
DQ444985.1 gg_id:158562 Paenibacillus sp. Eur1 9.25
EF682937.1 gg_id:245965 Eastern Mediterranean atmosphere clone F12_5F_FL
FJ479476.1 gg_id:573137 species richness estimates obtained nearly and simulated pyrosequencing-generated
AB369185.1 gg_id:240501 Microbiological Assessment Circulation Mud Fluids During First Operation Drilling De
GU214173.1 gg_id:534180 and biota slimes Canadian paper mills slime mill taken wet section around papermal
EF208754.1 gg_id:200803 Paenibacillus sp. str. Ao3
FJ859876.1 gg_id:574741 Paenibacillus sp. str. MSL-9
AF492843.1 gg_id:67227 Bacillus sp. str. NK395
AB271758.1 gg_id:170195 Paenibacillus polymyxa str. NBRC 15309
FJ999582.1 gg_id:410196 Paenibacillus sp. str. HLSBA1
AB362823.1 gg_id:246316 Paenibacillus sp. str. YT0039
AF465647.1 gg_id:34110 Bacillus sp. str. YNPRH6P-1
DQ816052.1 gg_id:163426 mouse cecum clone aaa86f09
EF694702.1 gg_id:235485 Paenibacillus terrae EH23-5
FN433032.1 gg_id:533274 Paenibacillus alvei CCM2B
GQ074220.1 gg_id:392310 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
AM991254.1 gg_id:277951 Microbial groundwater and their potential use biomonitoring karst spring water clo
EU867347.1 gg_id:545107 Paenibacillus sp. str. CCGE3115
GU214160.1 gg_id:587713 and biota slimes Canadian paper mills slime mill taken wet section around papermal
AJ011327.1 gg_id:14381 Paenibacillus borealis HM31
AY493972.1 gg_id:136753 Fingerprinting aggregates soil clone 449
EU465045.1 gg_id:296852 African elephant feces clone AFYEL_aaj67b11

DQ298315.1	153617	82.1	84.3	74.2	131.8	121.9	102.8
AY660695.1	99020	1420.4	1009.0	229.8	1026.7	151.6	303.9
AJ716019.1	100354	48.5	130.4	212.8	74.6	70.2	55.9
AB245383.1	146833	1103.7	1755.9	796.3	787.1	1080.8	1006.8
DQ243815.1	151279	823.8	1440.8	930.1	857.3	693.6	1312.0
EU391157.1	419476	1211.7	1118.5	487.2	588.0	867.1	1353.1
DQ112247.1	131383	7854.5	7656.3	4459.8	5932.8	5314.1	5537.0
AY154489.1	107622	3090.3	2776.9	3501.1	2422.9	5794.3	2767.0
EU647520.1	545572	1157.1	928.0	881.0	600.2	85.6	574.5
FN563170.1	582506	1728.8	3075.1	2614.0	2933.1	2679.2	3063.4
AM162341.1	141288	2739.7	3409.9	7735.3	5622.7	4247.1	4954.8
Y13062.1	80385	2632.1	2444.9	3343.5	3295.3	1421.5	1893.9
EU571189.1	260618	3506.8	3616.4	1828.4	4567.8	2279.7	2471.0
EF199999.1	189311	486.5	350.5	840.8	278.5	149.6	1679.5
AJ863305.1	119660	1879.5	2288.3	1412.0	1054.3	2532.0	3547.8
AJ223990.1	14384	986.9	1022.3	549.9	596.3	1091.9	899.3
AM162322.1	141541	4148.0	3611.2	2897.8	4246.0	3117.3	3389.0
AF290916.1	28736	26.1	58.7	114.9	50.8	46.1	50.3
EU638756.1	353899	1851.4	2072.0	988.7	1976.1	1494.3	1938.5
DQ444985.1	158562	146.9	316.3	906.1	1011.9	145.2	899.1
EF682937.1	245965	1490.4	2125.6	568.3	632.2	466.9	1611.4
FJ479476.1	573137	1971.5	2789.5	1698.0	1235.5	1921.1	2063.1
AB369185.1	240501	2732.0	2921.2	3729.1	1138.6	3442.0	1452.0
GU214173.1	534180	2343.7	3719.8	4209.1	3319.6	3063.5	3533.1
EF208754.1	200803	1168.7	1590.4	3094.0	1402.1	385.3	1744.3
FJ859876.1	574741	4214.9	4493.9	2692.8	5009.2	3505.3	2752.6
AF492843.1	67227	8451.5	8198.9	4318.0	7326.9	10272.9	8345.1
AB271758.1	170195	688.4	1795.5	1624.4	1132.2	870.1	1483.8
FJ999582.1	410196	726.1	873.9	1385.8	434.8	332.0	990.4
AB362823.1	246316	68.5	153.4	250.8	108.5	71.9	697.4
AF465647.1	34110	22.8	55.3	49.7	52.4	61.3	41.9
DQ816052.1	163426	12110.4	11611.0	8820.0	10649.8	11435.7	11037.6
EF694702.1	235485	1677.4	1682.4	1159.6	2326.3	1076.9	1502.6
FN433032.1	533274	1605.1	3173.7	1570.2	2346.8	1499.9	1732.7
GQ074220.1	392310	439.5	1251.9	1806.4	392.8	266.3	1284.7
AM991254.1	277951	2871.4	2530.0	4379.5	5777.8	2116.3	4080.3
EU867347.1	545107	1412.7	1969.7	1840.7	3088.4	1396.7	1151.7
GU214160.1	587713	6933.4	8511.5	6218.2	6575.1	5039.4	7009.8
AJ011327.1	14381	1335.4	1831.6	1512.0	939.8	335.4	854.8
AY493972.1	136753	23.1	46.1	27.7	39.4	47.4	58.1
EU465045.1	296852	4495.4	5911.2	3175.2	6198.4	3183.8	4109.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Paenibacillaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Pasteuriaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Paenibacillus
g__Thermobacillus
g__Thermobacillus
g__unclassified
g__unclassified
g__Pasteuria
g__Pasteuria
g__Pasteuria
g__Pasteuria
g__unclassified
g__unclassified
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Bacillus
g__Kurthia
g__Kurthia
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus

s__unclassified	50937
s__unclassified	50942
s__unclassified	50943
s__unclassified	50949
s__unclassified	50954
s__unclassified	50960
s__unclassified	50962
s__unclassified	50965
s__unclassified	50968
s__unclassified	46024
s__unclassified	46740
s__unclassified	48181
s__unclassified	50361
s__Pasteuria penetrans	48734
s__unclassified	48464
s__unclassified	48589
s__unclassified	48954
s__unclassified	49517
s__unclassified	49554
s__Bacillus psychrodurans	42472
s__Bacillus psychrodurans	42745
s__Bacillus psychrodurans	43242
s__Bacillus psychrodurans	43785
s__Bacillus psychrodurans	43881
s__unclassified	42494
s__unclassified	42551
s__unclassified	42861
s__unclassified	42869
s__unclassified	42909
s__unclassified	43058
s__unclassified	43249
s__unclassified	43250
s__Kurthia gibsonii	43086
s__unclassified	43557
s__Lysinibacillus boronitolerans	43682
s__unclassified	42467
s__unclassified	42485
s__unclassified	42509
s__unclassified	42527
s__unclassified	42776
s__unclassified	42831

AJ863294.1 gg_id:125257 poplar tree microcosm rhizosphere unflooded clone 13RHU2
EU046270.1 gg_id:236825 Paenibacillus xinjiangensis str. HR1
AY839866.1 gg_id:110036 Paenibacillus sp. str. B518
DQ346553.1 gg_id:154746 during composting libraries compost clone 2B39
EU134635.1 gg_id:237941 tallgrass prarie soil clone FFCH12118
AB041721.1 gg_id:50544 Paenibacillus koleovorans str. TK
GQ015112.1 gg_id:494553 Topographical and Temporal Human Skin Microbiome skin back clone nbw816b06c1
DQ787687.1 gg_id:172955 holocene lake sediment clone SLB315
DQ129261.1 gg_id:137642 urban aerosol clone AKIW887
AJ005795.1 gg_id:14413 Thermobacillus xylanilyticus str. XE
GQ471930.1 gg_id:551611 Toward Plant Cell Wall Degradation Under Thermophilic Condition: Unique Microbia
AB234269.1 gg_id:148244 Biotransformation Polychlorinated Dioxins Microbial Dynamics Sediment Microcosm
FJ478798.1 gg_id:590559 species richness estimates obtained nearly and simulated pyrosequencing-generated
AF375881.1 gg_id:38647 Pasteuria penetrans
AF516396.1 gg_id:86730 Pasteuria nishizawae str. Tohoku
AJ878853.1 gg_id:111838 Pasteuria hartismerei
AF254387.1 gg_id:44324 Candidatus Pasteuria usgae S-1
AF515699.1 gg_id:87218 Pasteuria goettingianae
U34688.1 gg_id:14343 Daphnia endosymbiotic bacterium
GQ448221.1 gg_id:589624 Microbiome neonatal calves: shedding microorganisms fecal clone calf32_10wks_gr
GU385871.1 gg_id:522968 Bacillus psychrodurans str. QT25
AM980508.1 gg_id:269916 Bacillus insolitus str. DSM 5T
AY030325.1 gg_id:18100 Bacillus sp. str. KL-024
EU240419.1 gg_id:254377 Bacillus psychrodurans str. B169
EU778690.1 gg_id:345702 Springbok feces clone SBK_e12_1
EF377312.1 gg_id:203909 Bacillus sp. str. CCBAU 10775
EU458350.1 gg_id:292185 spotted hyena feces clone HY1_b04
AB017538.1 gg_id:15018 Renibacterium salmoninarum
EU249570.1 gg_id:243498 Bacillus sp. str. TSG11
EF377302.1 gg_id:204730 Bacillus sp. str. CCBAU 13244
EU249572.1 gg_id:237395 Bacillus sp. str. DFVB3
AY536564.1 gg_id:103433 Bacillus psychrodurans str. WED2.3
X70321.1 gg_id:14997 Kurthia zopfii str. NCIMB 9878
AB271741.1 gg_id:172747 Kurthia sibirica str. NBRC 101530
AB199593.2 gg_id:119659 Bacillus borotolerans str. T-12B
AF169518.1 gg_id:74854 Bacillus sp. str. BD-83
FM178866.1 gg_id:330655 Acetobacter pasteurianus str. CCM 3612
GQ280058.1 gg_id:592898 Bacillus sp. str. BJ-48
EU867354.1 gg_id:543461 Lysinibacillus fusiformis str. CCGE2086
GQ496620.1 gg_id:592278 Lysinibacillus sphaericus str. DMT-7
L14016.1 gg_id:14980 Bacillus sphaericus

AJ863294.1	125257	31.2	75.0	38.4	67.7	66.5	109.0
EU046270.1	236825	6324.9	7631.2	5641.2	5076.4	2553.9	3456.1
AY839866.1	110036	852.3	916.2	391.8	750.9	912.1	1310.5
DQ346553.1	154746	676.2	1315.4	661.2	279.7	761.1	1049.3
EU134635.1	237941	1340.4	2539.0	3124.9	1770.1	2615.1	4549.2
AB041721.1	50544	12467.5	10810.3	10205.7	9591.9	10723.5	11551.4
GQ015112.1	494553	1881.9	1736.6	2192.0	930.5	1359.4	1674.0
DQ787687.1	172955	26.1	67.3	76.4	57.9	75.2	136.7
DQ129261.1	137642	117.2	205.2	699.0	153.4	112.3	245.4
AJ005795.1	14413	30.3	44.9	39.4	41.6	75.1	24.1
GQ471930.1	551611	1181.5	1418.3	2563.6	2195.8	672.9	1680.9
AB234269.1	148244	1739.0	1398.1	1446.9	1190.4	1631.3	1424.7
FJ478798.1	590559	1115.4	1151.8	1161.5	1103.3	557.5	820.4
AF375881.1	38647	11005.6	12386.1	7055.7	7548.1	5369.8	5907.4
AF516396.1	86730	6515.5	7248.8	6212.5	3187.1	979.9	1102.1
AJ878853.1	111838	6230.7	6542.3	5234.3	4244.6	4595.3	4109.7
AF254387.1	44324	7604.3	8117.4	5013.3	5821.9	3910.9	4204.4
AF515699.1	87218	9580.8	8562.8	12364.3	9529.3	13741.8	12058.2
U34688.1	14343	5107.8	4948.3	4991.2	4847.4	1909.1	2936.9
GQ448221.1	589624	1796.8	3580.2	5406.6	3775.6	2523.0	3504.7
GU385871.1	522968	365.7	413.6	767.6	1022.5	480.1	254.4
AM980508.1	269916	55.5	151.2	128.0	78.1	81.1	206.6
AY030325.1	18100	44.6	105.1	66.4	86.7	223.5	170.7
EU240419.1	254377	9722.7	10138.2	6982.6	7189.6	9454.8	8575.9
EU778690.1	345702	5809.8	4856.7	2586.8	5508.9	2521.9	3183.9
EF377312.1	203909	7589.6	8726.0	6428.1	6261.6	7065.9	7750.4
EU458350.1	292185	2167.4	2365.5	3147.2	1983.7	1978.0	2988.9
AB017538.1	15018	30.1	73.3	85.2	61.4	72.4	191.8
EU249570.1	243498	6967.8	6535.7	7011.9	8409.8	6361.7	8072.9
EF377302.1	204730	248.9	214.8	305.8	103.6	64.5	518.7
EU249572.1	237395	424.8	998.4	1150.2	680.8	662.6	930.8
AY536564.1	103433	51.5	82.7	87.8	59.9	94.8	109.4
X70321.1	14997	1315.0	1851.3	2086.2	635.8	885.6	1963.9
AB271741.1	172747	1958.0	2556.8	1119.4	869.9	3160.4	2897.2
AB199593.2	119659	238.6	266.4	687.9	311.4	89.4	1838.7
AF169518.1	74854	6937.7	7782.6	5933.3	7811.9	11349.3	8163.5
FM178866.1	330655	164.7	295.1	247.6	142.7	82.0	292.0
GQ280058.1	592898	2346.2	2304.1	1422.4	971.0	1896.6	1936.1
EU867354.1	543461	209.9	192.7	613.4	203.4	83.7	805.9
GQ496620.1	592278	162.7	460.3	316.5	338.3	95.9	1169.6
L14016.1	14980	3417.5	5599.3	3018.9	2867.3	3240.9	3393.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Lysinibacillus
g__Marinibacillus
g__Marinibacillus
g__Marinibacillus
g__Marinibacillus
g__Paenisporosarcina
g__Paenisporosarcina
g__Paenisporosarcina
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planococcus
g__Planomicrobium
g__Planomicrobium

s__unclassified	42866
s__unclassified	42939
s__unclassified	43007
s__unclassified	43060
s__unclassified	43184
s__unclassified	43198
s__unclassified	43209
s__unclassified	43278
s__unclassified	43280
s__unclassified	43315
s__unclassified	43330
s__unclassified	43422
s__unclassified	43514
s__unclassified	43555
s__unclassified	43722
s__unclassified	43730
s__unclassified	43849
s__unclassified	43880
s__unclassified	43974
s__unclassified	44092
s__unclassified	44148
s__Jeotgalibacillus marinus	44115
s__Jeotgalibacillus marinus	49406
s__unclassified	43126
s__unclassified	43616
s__unclassified	42615
s__unclassified	43245
s__unclassified	43949
s__Planococcus citreus	42923
s__Planococcus citreus	43018
s__Planococcus citreus	43425
s__Planococcus maitriensis	42701
s__Planococcus maitriensis	43248
s__Planococcus maitriensis	43505
s__Planococcus maitriensis	43673
s__unclassified	42692
s__unclassified	42916
s__unclassified	43521
s__unclassified	43791
s__Planococcus antarcticus	42795
s__Planococcus antarcticus	43989

AY548956.1 gg_id:101757 Bacillus fusiformis str. S10
EU187497.1 gg_id:257140 Lysinibacillus sphaericus str. X-17
EU252508.1 gg_id:238118 Bacillus sp. str. AM20
GU129144.1 gg_id:588459 Lysinibacillus sphaericus str. TMB5
AF169523.1 gg_id:42176 Bacillus sp. str. BD-94
GU385849.1 gg_id:522769 Acetobacter pasteurianus str. QT3
GQ501071.1 gg_id:549791 Lysinibacillus fusiformis str. Ma-Su CECRI 2
GQ284348.1 gg_id:580342 Lysinibacillus fusiformis str. PCWCS3
DQ289063.1 gg_id:144100 Bacillus macroides WST 1
L38654.1 gg_id:14988 Bacillus sphaericus
GU084135.1 gg_id:540739 Lysinibacillus fusiformis str. DB-1
GQ280094.1 gg_id:585121 Bacillus sp. str. JS-24
FJ266320.1 gg_id:509099 Lysinibacillus sphaericus str. RFNB10
EU240383.1 gg_id:248547 Lysinibacillus sphaericus str. B85
EU647711.1 gg_id:273725 Lysinibacillus fusiformis str. REG60
EU855791.1 gg_id:346402 Lysinibacillus sphaericus Drngp
GQ889259.1 gg_id:569561 Lysinibacillus sphaericus str. S8
DQ990064.1 gg_id:195474 Microbial Profiling Some Heterotrophic isolates Waters and Shal Groundwater Wells
AB199591.2 gg_id:123207 Bacillus borotolerans str. T-10a
GQ284508.1 gg_id:540272 Lysinibacillus sp. str. TSSAS2-47
GU201856.1 gg_id:529798 Lysinibacillus fusiformis str. Zw-13-3
AJ237708.1 gg_id:14648 Marinibacillus marinus str. DSM 1297
EU812465.1 gg_id:326668 Bacillus sp. str. B-9987
AY190535.1 gg_id:79732 Marinibacillus campisalis str. SF-57
AF281158.1 gg_id:28627 Jeotgalibacillus alimentarius str. YKJ-13
FJ263020.1 gg_id:367827 Sporosarcina sp. str. ZD30
DQ444983.1 gg_id:157780 Sporosarcina sp. Eur1 9.21
FJ999934.1 gg_id:562449 Paenisporosarcina macmurdoensis str. EQH5
AF237975.1 gg_id:73281 Planococcus citreus str. MS20
FJ373028.1 gg_id:354487 Planococcus citreus str. W2-3
NR_026090.1 gg_id:544445 Planococcus citreus str. NCIMB 1493
AJ966515.2 gg_id:119206 Planococcus columbaii str. PgEx11
EF467308.1 gg_id:215171 Planococcus maitriensis str. Anita I
FJ675069.1 gg_id:518131 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AJ544622.1 gg_id:81178 Planococcus maitriensis str. S1
AM412216.1 gg_id:178613 Planococcus rifietoensis Z19-1zhy
GQ129917.1 gg_id:406391 Genetic inventory 'JPL-SAF' during MSL mission spacecraft assembly clean room floc
EU652853.1 gg_id:281832 Planococcus sp. str. ZY002
AM411996.1 gg_id:191228 Planococcus rifietoensis Z19-2zhy
AJ314745.1 gg_id:29551 Planococcus antarcticus str. CMS 26or
AJ314747.1 gg_id:37775 Planococcus antarcticus str. CMS 84or

AY548956.1	101757	5803.4	6683.0	6482.9	5698.3	8896.7	8268.1
EU187497.1	257140	3578.2	3396.7	1305.0	3655.7	4357.3	3272.1
EU252508.1	238118	127.6	226.5	254.6	262.7	102.8	126.7
GU129144.1	588459	15376.7	15153.5	14786.5	14494.7	18752.6	16116.3
AF169523.1	42176	2899.3	3457.4	1896.3	1928.8	3055.1	2831.7
GU385849.1	522769	1775.7	5890.7	6096.6	2024.1	6521.3	4818.7
GQ501071.1	549791	3895.6	4345.9	2059.5	2923.0	3012.4	3304.5
GQ284348.1	580342	132.9	263.5	217.9	173.7	92.0	619.6
DQ289063.1	144100	4003.0	5123.0	1349.3	1235.1	3495.9	3069.5
L38654.1	14988	1473.3	1120.8	3304.1	1668.4	255.8	2057.8
GU084135.1	540739	2121.0	1910.0	3147.4	2671.6	244.4	2546.1
GQ280094.1	585121	2531.6	2306.4	2632.4	1142.4	272.0	1600.1
FJ266320.1	509099	772.7	625.3	814.0	562.8	915.9	1091.8
EU240383.1	248547	328.9	339.1	1190.7	201.9	101.9	1347.6
EU647711.1	273725	738.5	1315.2	2413.4	1378.5	534.6	2489.8
EU855791.1	346402	947.9	1328.3	754.2	1459.9	162.7	1648.4
GQ889259.1	569561	5807.2	5017.2	4984.1	4664.4	3399.6	3735.2
DQ990064.1	195474	153.2	174.6	288.3	150.0	79.7	342.1
AB199591.2	123207	338.6	454.6	1034.6	434.3	114.1	2133.0
GQ284508.1	540272	4870.3	4979.5	5059.9	3879.6	415.7	3798.4
GU201856.1	529798	101.3	288.2	260.1	187.8	91.1	613.6
AJ237708.1	14648	250.6	349.1	250.6	213.2	57.1	857.5
EU812465.1	326668	3918.5	5410.9	2765.0	3190.4	9279.6	6854.2
AY190535.1	79732	1674.7	2318.1	1784.4	2358.5	1262.0	4396.5
AF281158.1	28627	1078.5	1328.8	1208.3	852.8	444.9	1703.6
FJ263020.1	367827	1414.2	1595.2	328.8	1906.2	126.8	1179.8
DQ444983.1	157780	13035.7	12807.2	6485.2	13650.6	15913.4	12990.3
FJ999934.1	562449	1437.5	1613.1	848.4	2599.6	481.7	933.9
AF237975.1	73281	3882.3	3039.0	3961.1	3301.9	2559.2	3855.3
FJ373028.1	354487	4025.7	3216.6	4195.4	3465.4	2903.6	4246.2
NR_026090.1	544445	5471.3	4751.0	5514.2	5140.4	3248.5	4648.9
AJ966515.2	119206	10737.8	11403.5	11527.7	12001.7	12100.1	11777.5
EF467308.1	215171	553.4	702.8	1301.7	975.2	281.7	1591.4
FJ675069.1	518131	8422.9	7625.5	5134.3	7994.3	5566.4	7684.8
AJ544622.1	81178	2393.3	3483.7	6139.2	2895.8	1278.2	3215.2
AM412216.1	178613	7529.1	8614.0	7541.3	8987.1	6522.5	7980.4
GQ129917.1	406391	3469.5	3790.1	4139.3	2352.7	4504.1	4392.3
EU652853.1	281832	6103.2	3767.5	4627.6	4738.0	3909.8	4934.8
AM411996.1	191228	3755.4	3191.7	4508.0	3456.7	2889.3	4580.3
AJ314745.1	29551	440.1	437.9	617.0	553.0	489.6	456.5
AJ314747.1	37775	1556.9	1785.3	1984.9	1749.9	1158.6	2716.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Planomicrobium
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Rummeliibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus

s__Planococcus antarcticus	44086
s__Planomicrobium koreense	44081
s__Planomicrobium okeanokoites	43453
s__unclassified	42471
s__unclassified	42610
s__unclassified	42653
s__unclassified	42711
s__unclassified	42796
s__unclassified	42798
s__unclassified	42835
s__unclassified	42960
s__unclassified	43000
s__unclassified	43113
s__unclassified	43123
s__unclassified	43190
s__unclassified	43207
s__unclassified	43254
s__unclassified	43267
s__unclassified	43626
s__unclassified	43779
s__unclassified	43866
s__unclassified	44029
s__unclassified	44056
s__Rummeliibacillus pycnus	43183
s__Rummeliibacillus stabekisii	42802
s__unclassified	42584
s__unclassified	42648
s__unclassified	42822
s__unclassified	42863
s__unclassified	42920
s__unclassified	43038
s__unclassified	43128
s__unclassified	43595
s__unclassified	44007
s__unclassified	44085
s__Solibacillus silvestris	42640
s__Solibacillus silvestris	43369
s__Solibacillus silvestris	43824
s__Solibacillus silvestris	43883
s__Solibacillus silvestris	43925
s__Solibacillus silvestris	44031

X62173.1 gg_id:15024 Planococcus kocurii str. NCIMB 629
NR_025011.1 gg_id:546668 Planomicrobium koreense str. JG07; KCTC 3684
DQ084464.1 gg_id:132599 Planomicrobium sp. str. CSS-3
AM111009.1 gg_id:140923 Planococcus sp. str. 3059
DQ435614.1 gg_id:154002 Planococcus sp. str. L4
EU362181.1 gg_id:324748 Paenibacillus sp. str. C8
FJ717184.1 gg_id:534668 L. Bioturbated Mesocosm marine sediment Cullercoats Northumberland United Kingc
AY771711.1 gg_id:108687 Planococcus psychrotoleratus str. S2-46
AF324659.1 gg_id:74784 Planococcus psychrotoleratus str. JCM 11080
AY538695.1 gg_id:103548 Planococcus sp. str. Smarlab 3302355
EU845048.1 gg_id:321091 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
AY437845.1 gg_id:101657 Planococcus stackebrandtii str. K22-03
AJ697862.1 gg_id:103823 Planomicrobium novatatis str. 3-12
AY771727.1 gg_id:143378 Planococcus psychrotoleratus S3-21
EU036220.1 gg_id:243814 Planomicrobium sp. str. 0423
AY260168.1 gg_id:87474 Planococcus kazaiensis str. K01-30
DQ223678.1 gg_id:161099 Planomicrobium koreense zf-IIRlt3
EF079063.1 gg_id:175169 Planococcus donghaensis str. JH 1
AJ314746.1 gg_id:45093 Planococcus psychrophilus str. CMS 53or ()
DQ108396.1 gg_id:131680 Planococcus sp. Tibet-IIVa2
AF041791.1 gg_id:15019 Planomicrobium mcmeekinii str. S23F2
FJ265708.1 gg_id:328050 Planomicrobium sp. str. ISL-41
DQ298405.1 gg_id:142309 Planococcus sp. str. BJ-1
AF169531.1 gg_id:39697 Bacillus pycnus str. NRS-1691
GU001896.1 gg_id:590554 Rummeliibacillus stabekisii str. PL71
EU468086.1 gg_id:289850 cheetah feces clone CE2_e08_3
FJ675233.1 gg_id:517131 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
EU773781.1 gg_id:324889 Cheetah feces clone CE2_f11_1
EU467969.1 gg_id:289010 cheetah feces clone CE2_c09_1
FJ671794.1 gg_id:515670 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
EU723829.1 gg_id:340460 Kurthia gibsonii str. HDDMM09
EU468042.1 gg_id:302060 cheetah feces clone CE2_g04_1
EU881980.1 gg_id:334555 Kurthia gibsonii str. HDDMN09
EU266058.1 gg_id:279405 Bacillus sp. str. SL170
AF169519.1 gg_id:35115 Bacillus sp. str. BD-85
EU776120.1 gg_id:316126 Spotted hyena feces clone HY1_h08_1
EU794212.1 gg_id:330402 bovine microbiota via oligonucleotide fingerprinting genes fecal clone EMP_R41
EU867363.1 gg_id:574930 Solibacillus silvestris str. CCGE2032
EU464938.1 gg_id:302898 African elephant feces clone AFYEL_aaj65e03
EU366378.1 gg_id:273023 Bacillus silvestris str. IV13
FJ379320.1 gg_id:555419 Bacillus sp. str. KHg2

X62173.1	15024	485.6	1046.1	905.7	536.4	451.5	595.1
NR_025011.1	546668	1070.5	1346.8	3485.1	630.9	1352.4	2192.6
DQ084464.1	132599	643.3	852.6	835.1	368.2	326.1	1050.3
AM111009.1	140923	5143.0	5325.8	6426.0	4952.8	3512.9	5099.4
DQ435614.1	154002	444.5	840.0	818.1	497.5	450.9	1084.5
EU362181.1	324748	1446.2	1711.1	3726.4	973.3	1155.1	1796.0
FJ717184.1	534668	1165.2	1898.5	3210.5	987.8	1389.6	2425.5
AY771711.1	108687	1691.3	2054.5	2891.8	1791.9	881.4	2149.8
AF324659.1	74784	2509.3	2285.0	615.8	2611.6	392.0	1842.6
AY538695.1	103548	1139.2	1961.5	2527.8	1106.5	777.3	2366.6
EU845048.1	321091	2832.2	2402.7	818.3	2737.8	452.9	2306.3
AY437845.1	101657	3442.7	5841.6	8591.3	5460.9	1907.1	4298.9
AJ697862.1	103823	4583.4	4573.9	4782.9	5226.9	1825.2	4403.6
AY771727.1	143378	3237.2	4044.2	6697.2	4164.2	1859.9	3832.5
EU036220.1	243814	764.1	1010.8	294.9	719.3	264.7	933.7
AY260168.1	87474	6616.4	8661.5	5022.0	4746.2	1672.6	3745.9
DQ223678.1	161099	913.0	1236.5	2430.6	585.1	1372.6	1756.3
EF079063.1	175169	518.7	850.4	335.1	2008.9	205.8	906.3
AJ314746.1	45093	3869.9	4026.6	4854.3	4263.7	2130.2	3315.1
DQ108396.1	131680	878.2	2388.7	4551.2	2262.4	682.9	2406.7
AF041791.1	15019	2875.1	2539.5	926.5	2789.2	461.3	2280.7
FJ265708.1	328050	772.0	1137.4	1611.9	574.5	345.7	856.3
DQ298405.1	142309	28.0	37.3	22.1	52.5	64.3	24.1
AF169531.1	39697	251.6	555.4	759.9	394.8	1413.6	1869.1
GU001896.1	590554	210.8	186.8	324.3	176.5	77.3	979.9
EU468086.1	289850	694.0	593.4	814.1	614.2	619.7	1418.4
FJ675233.1	517131	1565.1	1764.3	669.3	1930.1	4773.0	3499.4
EU773781.1	324889	7927.9	10633.0	8960.0	7857.6	15287.7	11042.7
EU467969.1	289010	3221.3	4495.9	2169.0	5280.7	5133.8	5416.5
FJ671794.1	515670	110.0	162.1	154.0	213.3	152.6	334.4
EU723829.1	340460	4808.8	6078.7	3033.1	6609.2	7716.1	6286.0
EU468042.1	302060	454.9	683.3	1501.5	768.9	342.4	568.3
EU881980.1	334555	346.1	584.7	1272.1	398.2	362.6	921.9
EU266058.1	279405	315.1	473.5	472.3	260.3	659.4	930.1
AF169519.1	35115	891.4	593.7	616.7	2076.4	126.9	356.0
EU776120.1	316126	181.6	305.6	561.4	352.6	199.2	759.1
EU794212.1	330402	924.0	613.5	1192.1	951.3	857.0	1081.6
EU867363.1	574930	3756.6	3343.8	4693.0	4941.4	4434.0	4789.3
EU464938.1	302898	9543.4	11039.9	8281.3	6616.1	3796.3	5102.1
EU366378.1	273023	1980.3	2656.2	4971.5	1724.3	1710.1	4535.0
FJ379320.1	555419	6297.7	5719.1	8446.1	5957.9	5195.3	6985.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus

s__unclassified	42470
s__unclassified	42491
s__unclassified	42492
s__unclassified	42525
s__unclassified	42546
s__unclassified	42561
s__unclassified	42635
s__unclassified	42685
s__unclassified	42728
s__unclassified	42749
s__unclassified	42804
s__unclassified	42811
s__unclassified	42943
s__unclassified	42947
s__unclassified	43030
s__unclassified	43062
s__unclassified	43111
s__unclassified	43173
s__unclassified	43178
s__unclassified	43193
s__unclassified	43218
s__unclassified	43352
s__unclassified	43374
s__unclassified	43488
s__unclassified	43497
s__unclassified	43499
s__unclassified	43658
s__unclassified	43665
s__unclassified	43667
s__unclassified	43711
s__unclassified	43752
s__unclassified	43805
s__unclassified	43853
s__unclassified	43910
s__unclassified	43930
s__unclassified	43940
s__unclassified	43953
s__unclassified	43969
s__unclassified	43976
s__unclassified	43997
s__unclassified	44019

EU466789.1 gg_id:300363 African elephant feces clone AFEL2_aao29e07
EU466030.1 gg_id:302359 African elephant feces clone AFEL3_aao16b09
EU466752.1 gg_id:298191 African elephant feces clone AFEL2_aao29a02
EU467027.1 gg_id:298756 African elephant feces clone AFEL2_aao32h06
EU464619.1 gg_id:288715 African elephant feces clone AFEL_aai31h12
EU458355.1 gg_id:298357 spotted hyena feces clone HY1_c04_1
EU466939.1 gg_id:298809 African elephant feces clone AFEL2_aao31f03
DQ824565.1 gg_id:174529 human fecal clone RL185_aaj69g03
EU466911.1 gg_id:295611 African elephant feces clone AFEL2_aao31c04
EU464646.1 gg_id:297510 African elephant feces clone AFEL_aai32e01
EU466769.1 gg_id:291375 African elephant feces clone AFEL2_aao29c04
X70319.1 gg_id:14991 Caryophanon latum str. NCDO 2034
EU466938.1 gg_id:296817 African elephant feces clone AFEL2_aao31f02
GQ448631.1 gg_id:562030 Microbiome neonatal calves: shedding microorganisms fecal clone calf784_6wks_gr
FJ676958.1 gg_id:514467 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU458326.1 gg_id:295839 spotted hyena feces clone HY1_e04
EU466850.1 gg_id:300468 African elephant feces clone AFEL2_aao30d02
EU466880.1 gg_id:290915 African elephant feces clone AFEL2_aao30g07
EU464508.1 gg_id:289686 African elephant feces clone AFEL_aai30d01
DQ824627.1 gg_id:193376 human fecal clone RL185_aaj70f09
EU466764.1 gg_id:287843 African elephant feces clone AFEL2_aao29b09
EU466996.1 gg_id:300307 African elephant feces clone AFEL2_aao32e02
EU467023.1 gg_id:296178 African elephant feces clone AFEL2_aao32h01
EU458363.1 gg_id:303075 spotted hyena feces clone HY1_d11_1
FJ683349.1 gg_id:524261 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU466929.1 gg_id:300324 African elephant feces clone AFEL2_aao31e01
FJ683448.1 gg_id:526268 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU458367.1 gg_id:292454 spotted hyena feces clone HY1_e05_1
EU466826.1 gg_id:287877 African elephant feces clone AFEL2_aao30a05
EU466807.1 gg_id:297158 African elephant feces clone AFEL2_aao29g03
EU465903.1 gg_id:303066 African elephant feces clone AFEL3_aao13g06
EU465955.1 gg_id:302347 African elephant feces clone AFEL3_aao14g03
EU466959.1 gg_id:295052 African elephant feces clone AFEL2_aao31h03
EU466899.1 gg_id:291942 African elephant feces clone AFEL2_aao31a10
EU466051.1 gg_id:290668 African elephant feces clone AFEL3_aao16f08
AJ491302.1 gg_id:64192 Caryophanon latum str. DSM 14151
EU466806.1 gg_id:290595 African elephant feces clone AFEL2_aao29g02
EU466995.1 gg_id:294075 African elephant feces clone AFEL2_aao32d11
FJ227504.1 gg_id:304321 Identification unculturable species growing sugarcane molasses based distillery spent
EU466017.1 gg_id:297626 African elephant feces clone AFEL3_aao15h09
AM934693.1 gg_id:274290 Bacillus sp. str. CL1.8

EU466789.1	300363	4377.9	5416.8	3700.6	5028.4	7973.5	7590.4
EU466030.1	302359	280.1	281.4	649.8	332.0	258.8	1017.3
EU466752.1	298191	2944.4	3325.4	6966.6	2951.7	410.2	1436.4
EU467027.1	298756	8853.7	10725.6	6899.7	7854.8	8964.2	8166.3
EU464619.1	288715	2149.1	2946.5	5565.7	1342.0	8340.0	4190.2
EU458355.1	298357	2229.0	2223.6	2627.5	2446.1	2934.3	5535.0
EU466939.1	298809	1725.7	1712.7	4950.6	1819.1	238.8	1068.0
DQ824565.1	174529	12286.3	11968.7	8853.7	10150.0	11763.6	10369.4
EU466911.1	295611	6671.7	7206.3	6971.4	3503.4	734.1	1472.4
EU464646.1	297510	1007.0	1985.0	2051.3	1658.7	3210.5	1631.1
EU466769.1	291375	278.3	349.1	600.8	182.0	114.3	458.2
X70319.1	14991	634.1	671.4	2153.8	372.4	699.0	996.0
EU466938.1	296817	10633.8	11868.6	8755.9	8423.0	9895.7	9437.0
GQ448631.1	562030	883.0	1340.2	3424.3	1074.2	333.2	839.0
FJ676958.1	514467	1746.1	4043.2	4979.9	1877.9	8770.6	6946.4
EU458326.1	295839	375.4	196.7	848.3	327.6	181.2	736.8
EU466850.1	300468	1704.8	2373.1	2904.6	1020.5	927.0	1593.3
EU466880.1	290915	9054.4	11986.2	8692.7	4598.3	2166.0	2614.3
EU464508.1	289686	3306.3	4440.3	3826.8	1811.7	5974.0	4569.3
DQ824627.1	193376	4033.4	5779.9	5746.7	4848.8	8536.7	7636.5
EU466764.1	287843	1522.3	1213.9	2712.9	1711.6	1307.0	2973.1
EU466996.1	300307	1234.8	2105.2	2963.5	1908.5	6363.4	4485.0
EU467023.1	296178	7124.3	9130.4	6162.9	6093.5	13280.2	10003.3
EU458363.1	303075	1124.9	938.5	1400.4	983.3	501.8	1157.3
FJ683349.1	524261	5914.2	6478.5	8506.8	7213.4	6882.3	6540.6
EU466929.1	300324	4648.1	6596.5	6573.7	6495.0	6960.2	7194.9
FJ683448.1	526268	10126.3	9302.5	4237.8	5371.2	3858.0	5034.3
EU458367.1	292454	685.5	286.2	1562.4	363.0	259.2	652.7
EU466826.1	287877	1159.9	2318.3	2381.1	1260.3	2195.8	1950.7
EU466807.1	297158	439.5	453.0	2363.1	390.8	96.9	1024.6
EU465903.1	303066	2562.6	3299.9	4782.4	3571.9	6751.5	5457.2
EU465955.1	302347	1937.4	2301.9	2571.4	1068.8	962.6	1298.5
EU466959.1	295052	868.2	577.3	948.5	305.9	102.4	321.3
EU466899.1	291942	942.7	1530.7	3676.0	824.0	967.0	1190.7
EU466051.1	290668	3258.5	5038.4	3663.7	4286.3	6311.3	7112.2
AJ491302.1	64192	3222.5	4098.6	7145.2	2255.6	1693.7	2612.7
EU466806.1	290595	2077.8	2132.9	2030.7	1521.1	7156.9	4629.4
EU466995.1	294075	427.8	515.2	1751.4	384.3	212.7	418.6
FJ227504.1	304321	894.5	972.6	1130.5	622.5	235.4	1519.8
EU466017.1	297626	1678.8	2659.8	3306.6	1388.0	1101.7	2088.1
AM934693.1	274290	188.1	297.1	548.0	357.5	160.0	1257.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Solibacillus
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__Sporosarcina
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	44040
s__unclassified	44097
s__unclassified	44114
s__unclassified	44135
s__Bacillus ginsengi	42530
s__Bacillus ginsengi	43350
s__Bacillus ginsengi	43809
s__Sporosarcina aquimarina	42606
s__Sporosarcina aquimarina	43692
s__Sporosarcina aquimarina	43832
s__Sporosarcina aquimarina	44130
s__Sporosarcina psychrophila	42830
s__Sporosarcina psychrophila	43445
s__Sporosarcina psychrophila	43991
s__unclassified	42668
s__unclassified	42746
s__unclassified	42821
s__unclassified	42833
s__unclassified	42901
s__unclassified	43151
s__unclassified	43219
s__unclassified	43365
s__unclassified	43538
s__unclassified	43618
s__unclassified	43798
s__unclassified	43831
s__unclassified	43870
s__unclassified	44087
s__unclassified	42454
s__unclassified	42489
s__unclassified	42490
s__unclassified	42503
s__unclassified	42516
s__unclassified	42554
s__unclassified	42571
s__unclassified	42605
s__unclassified	42614
s__unclassified	42621
s__unclassified	42651
s__unclassified	42664
s__unclassified	42679

EU466057.1 gg_id:288667 African elephant feces clone AFEL3_aao16g08
EU466796.1 gg_id:293023 African elephant feces clone AFEL2_aao29f03
EU466831.1 gg_id:290295 African elephant feces clone AFEL2_aao30a11
DQ824578.1 gg_id:194282 human fecal clone RL185_aaj69h06
EF371373.1 gg_id:210245 Bacillus sp. str. ge09
AB196468.1 gg_id:109827 Bacillus sp. str. FST-B30
FJ973540.1 gg_id:378451 Bacillus ginsengi str. NBPP103 B103
AY167819.1 gg_id:77326 Sporosarcina aquimarina str. SAFN-008
FJ944660.1 gg_id:579648 Sporosarcina aquimarina str. KUDC1038
EU468073.1 gg_id:301742 cheetah feces clone CE2_c12_3
EU468034.1 gg_id:292404 cheetah feces clone CE2_f04_1
EF459543.1 gg_id:216487 Sporosarcina globispora KFC-52
X54968.1 gg_id:15012 Sporosarcina psychrophila str. W16A
X54969.1 gg_id:15013 Sporosarcina psychrophila str. W5
EU939438.1 gg_id:356519 Fecal wild pygmy loris feces clone WF16S_292
DQ337594.1 gg_id:149329 Bacillus sp. CHNTR52
D16277.1 gg_id:15015 Sporosarcina psychrophila str. IAM 12468
EU308121.1 gg_id:237733 Sporosarcina ginsengisoli str. FT7
AF548880.1 gg_id:55578 Bacillus sp. str. CPB 9
AM237400.1 gg_id:153553 Sporosarcina globispora OS-253
EU308120.1 gg_id:252542 Sporosarcina aquimarina str. FT1
AY167816.1 gg_id:77347 Filibacter limicola str. SAFN-012
AF548874.1 gg_id:57755 Bacillus sp. str. CPB 2
AJ831845.1 gg_id:107690 Bacillus sp. str. 41KF1
FJ894720.1 gg_id:574272 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota BME; ear p
X68415.1 gg_id:15008 Sporosarcina globispora str. DSM 4
AJ292316.1 gg_id:51589 Filibacter limicola str. DSM 13886T
EU369157.1 gg_id:330035 libraries oyster shell clone MBHOS-08
EU465852.1 gg_id:288698 African elephant feces clone AFEL3_aao13a02
EU464548.1 gg_id:289526 African elephant feces clone AFEL_aai30h06
EU465926.1 gg_id:301602 African elephant feces clone AFEL3_aao14c02
EU464560.1 gg_id:290883 African elephant feces clone AFEL_aai31a10
EU464504.1 gg_id:295722 African elephant feces clone AFEL_aai30c07
EU464652.1 gg_id:294019 African elephant feces clone AFEL_aai32e10
EU464510.1 gg_id:299366 African elephant feces clone AFEL_aai30d05
EU464562.1 gg_id:300541 African elephant feces clone AFEL_aai31a12
EU464545.1 gg_id:302644 African elephant feces clone AFEL_aai30h01
GU125639.1 gg_id:573715 Lysinibacillus sphaericus str. IMAU80223
EU464677.1 gg_id:296988 African elephant feces clone AFEL_aai32h12
AJ863177.1 gg_id:123425 poplar tree microcosm bulk soil unflooded clone 20BSU17
EU771773.1 gg_id:352179 African elephant feces clone AFYEL_aaj65e04

EU466057.1	288667	1872.9	1808.1	2035.6	1389.6	379.0	1725.8
EU466796.1	293023	2493.9	3473.7	4575.5	2577.5	3742.4	4070.1
EU466831.1	290295	854.3	1312.4	1384.2	1445.5	1706.6	2231.8
DQ824578.1	194282	8004.8	8192.2	4856.0	6769.4	7950.4	7617.8
EF371373.1	210245	5822.8	4884.2	3331.3	6436.2	3427.4	5855.9
AB196468.1	109827	2040.0	2325.4	2434.4	2355.4	554.3	2221.0
FJ973540.1	378451	3531.8	4202.8	4919.7	3146.1	2464.6	3721.9
AY167819.1	77326	6497.3	6539.9	4590.1	5388.3	6696.5	6346.6
FJ944660.1	579648	5582.7	6018.4	5984.0	4312.2	2019.7	3565.1
EU468073.1	301742	5739.7	6168.2	6939.3	6056.3	5704.2	5946.8
EU468034.1	292404	4507.9	5266.2	3565.4	4894.5	5619.7	4611.3
EF459543.1	216487	4409.4	4861.0	5522.5	1429.1	1070.1	2679.9
X54968.1	15012	1377.1	2093.7	3184.1	1428.8	772.8	1622.1
X54969.1	15013	2151.4	3163.3	3872.5	1591.0	1682.3	1593.0
EU939438.1	356519	5184.1	6546.2	6818.2	4699.2	3972.6	4512.8
DQ337594.1	149329	394.3	807.1	1408.6	265.2	62.3	907.4
D16277.1	15015	8288.3	6446.2	6086.1	2954.2	1646.2	2583.3
EU308121.1	237733	474.4	588.5	2078.6	423.0	196.6	1618.5
AF548880.1	55578	2608.6	1382.2	1551.9	903.6	2565.3	1211.6
AM237400.1	153553	5847.5	8357.6	9936.4	4796.2	4572.5	5029.3
EU308120.1	252542	202.0	613.3	544.2	311.4	217.4	662.6
AY167816.1	77347	3084.6	2341.4	1984.3	1661.3	2284.4	3375.0
AF548874.1	57755	3279.6	3722.2	2742.9	1534.0	5269.0	4959.6
AJ831845.1	107690	762.9	1183.5	2401.7	803.4	184.9	1521.1
FJ894720.1	574272	7777.6	8260.4	6722.9	6381.9	4259.2	6646.8
X68415.1	15008	2367.3	2105.6	825.3	2207.3	4519.7	4910.7
AJ292316.1	51589	1541.7	669.2	2048.0	1420.4	1128.2	2346.9
EU369157.1	330035	827.8	855.0	571.8	461.6	316.5	350.8
EU465852.1	288698	9491.3	9206.5	10382.5	8452.2	14283.0	13271.9
EU464548.1	289526	1676.3	2111.7	1758.1	2994.2	990.0	1572.4
EU465926.1	301602	219.1	105.4	469.6	177.7	214.8	279.3
EU464560.1	290883	4878.9	4819.1	1790.3	7621.3	8783.6	8158.7
EU464504.1	295722	6173.2	6563.0	4220.8	6474.3	6913.2	6198.4
EU464652.1	294019	6426.4	5641.2	5072.2	6451.7	3048.0	3049.4
EU464510.1	299366	3519.8	5369.3	8054.5	4416.4	6722.7	6065.3
EU464562.1	300541	4528.9	5434.5	3296.9	1903.7	3647.7	3568.7
EU464545.1	302644	8554.6	7829.3	7155.4	9389.3	6097.1	5959.0
GU125639.1	573715	3776.8	3345.4	1738.6	1838.3	3001.8	2255.6
EU464677.1	296988	5570.5	6662.0	4522.8	5456.5	5593.9	4979.2
AJ863177.1	123425	2725.4	4841.5	4475.5	2997.6	4472.7	5377.9
EU771773.1	352179	5273.4	6011.5	2227.1	4549.4	4335.9	4302.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	42700
s__unclassified	42730
s__unclassified	42733
s__unclassified	42759
s__unclassified	42764
s__unclassified	42768
s__unclassified	42781
s__unclassified	42794
s__unclassified	42809
s__unclassified	42842
s__unclassified	42852
s__unclassified	42853
s__unclassified	42856
s__unclassified	42895
s__unclassified	42910
s__unclassified	42961
s__unclassified	42984
s__unclassified	43006
s__unclassified	43048
s__unclassified	43064
s__unclassified	43085
s__unclassified	43127
s__unclassified	43140
s__unclassified	43150
s__unclassified	43158
s__unclassified	43189
s__unclassified	43195
s__unclassified	43237
s__unclassified	43252
s__unclassified	43261
s__unclassified	43265
s__unclassified	43293
s__unclassified	43299
s__unclassified	43302
s__unclassified	43307
s__unclassified	43354
s__unclassified	43355
s__unclassified	43399
s__unclassified	43405
s__unclassified	43416
s__unclassified	43447

EU464563.1 gg_id:294760 African elephant feces clone AFEL_aai31b03
EU464654.1 gg_id:295369 African elephant feces clone AFEL_aai32f01
AB547124.1 gg_id:523827 Bacillus sp. str. NCCP-36
EU464503.1 gg_id:299250 African elephant feces clone AFEL_aai30c05
EU465114.1 gg_id:291402 African elephant feces clone AFYEL_aaj68c06
AM888194.1 gg_id:256287 Bacillus sp. str. TSWCSN5
EU464435.1 gg_id:289502 African elephant feces clone AFEL_aai29b05
EU464428.1 gg_id:303291 African elephant feces clone AFEL_aai29a09
EU464595.1 gg_id:294723 African elephant feces clone AFEL_aai31e08
EU223959.1 gg_id:247009 -RFLP microbes Qinghai-Tin rail soil clone 142
EU469326.1 gg_id:294062 springbok feces clone SBK_e10
EU464637.1 gg_id:290772 African elephant feces clone AFEL_aai32d01
AB245381.1 gg_id:147870 Sporosarcina ginsengisoli str. Gsoil 1433
EU464521.1 gg_id:293562 African elephant feces clone AFEL_aai30e07
EU465008.1 gg_id:290826 African elephant feces clone AFYEL_aaj66f03
AB243859.1 gg_id:252210 Sporosarcina saromensis str. HG645
AY372918.1 gg_id:141968 Bacillus sp. str. PC2
EU464628.1 gg_id:294015 African elephant feces clone AFEL_aai32b05
EU464656.1 gg_id:298694 African elephant feces clone AFEL_aai32f04
FJ681965.1 gg_id:530313 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU128488.1 gg_id:248552 Bacillus sp. str. CWBI B1434
EU771617.1 gg_id:344433 African elephant feces clone AFEL2_aao31a11
DQ125520.1 gg_id:134154 uranium contaminated soil clone AKAU3481
EU464620.1 gg_id:290547 African elephant feces clone AFEL_aai32a04
EU464601.1 gg_id:297706 African elephant feces clone AFEL_aai31f03
AM180748.1 gg_id:147511 Planococcus citreus UC15
EU465860.1 gg_id:299202 African elephant feces clone AFEL3_aao13b02
EU464657.1 gg_id:301998 African elephant feces clone AFEL_aai32f06
AF500007.1 gg_id:66683 Planococcus maritimus str. TF-9
DQ345467.1 gg_id:151317 during composting libraries compost clone 0B14
EU458324.1 gg_id:300849 spotted hyena feces clone HY1_d11
AY677116.1 gg_id:138589 Bacillus massiliensis str. 4400831
EU464967.1 gg_id:302579 African elephant feces clone AFYEL_aaj65h11
EU778726.1 gg_id:306956 Springbok feces clone SBK_g04_1
EU771809.1 gg_id:313253 African elephant feces clone AFEL3_aao14a04
FJ348029.1 gg_id:324182 Bacillus sp. str. GGC-P15A2b
EU465862.1 gg_id:299731 African elephant feces clone AFEL3_aao13b04
EU771667.1 gg_id:318825 African elephant feces clone AFEL_aai30b08
EU466815.1 gg_id:301287 African elephant feces clone AFEL2_aao29g12
EF675626.1 gg_id:247834 Bacillus sp. str. RM1A
EU464648.1 gg_id:287337 African elephant feces clone AFEL_aai32e03

EU464563.1	294760	660.4	1695.7	584.8	915.0	1618.8	1941.3
EU464654.1	295369	11105.3	11546.3	4483.9	11129.7	15363.7	12294.5
AB547124.1	523827	495.1	481.2	3181.8	859.8	654.0	2146.8
EU464503.1	299250	3859.8	3350.0	2840.1	6146.0	1556.9	1809.5
EU465114.1	291402	3374.4	5019.7	6354.4	4496.1	2299.3	3536.4
AM888194.1	256287	342.1	655.8	1110.3	267.6	107.8	959.3
EU464435.1	289502	16022.4	16609.2	10646.3	13417.9	17056.5	14727.9
EU464428.1	303291	4278.6	4865.2	964.2	4291.6	5524.4	5836.6
EU464595.1	294723	288.8	449.9	1899.0	299.5	134.6	664.1
EU223959.1	247009	569.5	701.4	1107.2	288.7	137.8	755.6
EU469326.1	294062	11953.1	10418.6	11864.6	8504.6	4918.4	5489.7
EU464637.1	290772	2317.1	3550.2	2389.2	1616.8	1635.6	1795.1
AB245381.1	147870	1358.8	1753.7	3036.3	1910.4	532.3	1473.6
EU464521.1	293562	2391.7	2693.9	1004.4	4536.2	798.9	1332.4
EU465008.1	290826	5338.2	4316.8	2447.7	5149.1	3873.1	4691.4
AB243859.1	252210	785.0	1449.2	2057.7	1791.5	443.2	1191.4
AY372918.1	141968	6694.1	7148.9	2584.8	5988.4	14193.6	6843.1
EU464628.1	294015	4354.1	3532.2	1668.3	4527.1	1486.3	1987.3
EU464656.1	298694	9475.7	11647.8	11405.3	8774.5	7371.0	7903.4
FJ681965.1	530313	2448.0	1955.0	2749.8	918.5	182.7	577.2
EU128488.1	248552	228.2	466.2	436.4	293.1	77.1	638.1
EU771617.1	344433	2471.3	2453.9	3021.0	1350.3	359.9	920.6
DQ125520.1	134154	249.1	417.3	534.6	250.2	1385.4	2064.8
EU464620.1	290547	6746.3	8799.2	10199.2	7245.6	5183.0	6414.6
EU464601.1	297706	2794.3	3826.8	4613.5	2611.9	1826.9	3002.8
AM180748.1	147511	520.1	879.1	991.0	642.6	4226.4	3052.8
EU465860.1	299202	987.8	985.8	1846.6	462.9	2991.5	2155.6
EU464657.1	301998	9013.2	9414.3	7989.1	7523.2	8573.3	7894.9
AF500007.1	66683	1908.4	1750.9	2566.6	1613.7	1465.6	2551.8
DQ345467.1	151317	270.0	253.3	1101.6	152.6	202.9	641.9
EU458324.1	300849	6041.1	6132.7	4191.9	5953.4	9425.0	8468.2
AY677116.1	138589	10713.8	7194.2	1896.8	2272.9	4217.4	3994.9
EU464967.1	302579	11073.0	11335.3	7743.2	8822.9	13826.8	8651.7
EU778726.1	306956	95.2	105.4	341.1	102.4	82.2	969.9
EU771809.1	313253	2472.1	2578.0	582.7	2113.5	3069.2	3577.3
FJ348029.1	324182	351.9	653.3	674.7	184.2	288.2	1554.4
EU465862.1	299731	7578.4	7106.1	6184.7	7417.6	6369.7	6641.5
EU771667.1	318825	5996.0	7242.6	4854.0	6323.6	12459.9	9590.2
EU466815.1	301287	1089.3	362.1	1871.9	277.4	126.5	635.9
EF675626.1	247834	4164.5	3917.4	4248.5	3253.3	1305.2	3363.5
EU464648.1	287337	12064.8	10904.6	5984.9	12455.5	14091.8	12714.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus

s__unclassified	43450
s__unclassified	43473
s__unclassified	43529
s__unclassified	43558
s__unclassified	43573
s__unclassified	43583
s__unclassified	43584
s__unclassified	43605
s__unclassified	43621
s__unclassified	43623
s__unclassified	43672
s__unclassified	43683
s__unclassified	43763
s__unclassified	43784
s__unclassified	43790
s__unclassified	43813
s__unclassified	43829
s__unclassified	43886
s__unclassified	43903
s__unclassified	43919
s__unclassified	43920
s__unclassified	43936
s__unclassified	43954
s__unclassified	43957
s__unclassified	43961
s__unclassified	44028
s__unclassified	44032
s__unclassified	44060
s__unclassified	44113
s__unclassified	44121
s__unclassified	47319
s__unclassified	49974
s__unclassified	43322
s__unclassified	43539
s__unclassified	43687
s__unclassified	43760
s__unclassified	43820
s__unclassified	43830
s__unclassified	43934
s__Ureibacillus suwonensis	43074
s__Ureibacillus suwonensis	43700

EU464523.1 gg_id:299298 African elephant feces clone AFEL_aai30e10
EU771613.1 gg_id:319678 African elephant feces clone AFEL_aai31g11
EU775992.1 gg_id:323455 Spotted hyena feces clone HY1_h06_3
EU469346.1 gg_id:303364 springbok feces clone SBK_b03
EU465873.1 gg_id:295003 African elephant feces clone AFEL3_aao13d02
EU465924.1 gg_id:294077 African elephant feces clone AFEL3_aao14b11
EU467924.1 gg_id:300689 cheetah feces clone CE2_c04
DQ350822.1 gg_id:147600 Bacillus massiliensis str. 625
DQ350820.1 gg_id:149022 Bacillus sphaericus str. 601
FJ373039.2 gg_id:328019 Bacillus sp. str. S7-3
EU464583.1 gg_id:288939 African elephant feces clone AFEL_aai31d02
EU464640.1 gg_id:291198 African elephant feces clone AFEL_aai32d04
EF503617.1 gg_id:223021 Bacillus sp. str. ge12
EU464615.1 gg_id:302384 African elephant feces clone AFEL_aai31h04
AF506059.1 gg_id:66290 Sporosarcina sp. LCSAOTU9
GU457789.1 gg_id:520283 Bacillus sp. str. 5M55
EU458457.1 gg_id:288070 spotted hyena feces clone HY1_h09_3
EU464653.1 gg_id:290156 African elephant feces clone AFEL_aai32e12
EU776053.1 gg_id:338567 Spotted hyena feces clone HY1_b01_2
EU464579.1 gg_id:290738 African elephant feces clone AFEL_aai31c09
EU464471.1 gg_id:296964 African elephant feces clone AFEL_aai29f10
EU771835.1 gg_id:343694 African elephant feces clone AFEL_aai32g01
EU464447.1 gg_id:302696 African elephant feces clone AFEL_aai29c10
FJ681317.1 gg_id:520320 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
FJ682537.1 gg_id:515638 Synecology primary and secondary habitats Escherichia coli O157:H7 fecal MARC bee
EU466043.1 gg_id:303040 African elephant feces clone AFEL3_aao16e06
DQ351921.1 gg_id:168183 manganese oxidation soil clone JH-GY13
AM295339.1 gg_id:323201 Crocinobacterium jejui str. SW2G-14
EU464457.1 gg_id:293528 African elephant feces clone AFEL_aai29d11
EF061442.1 gg_id:193195 Bacillus sp. NJSN49
DQ346545.1 gg_id:156055 during composting libraries compost clone 2B31
AM888182.1 gg_id:240670 Bacillus sp. str. TSWCSN8
AB170018.1 gg_id:104224 Ureibacillus sp. MM122
AM932266.1 gg_id:272689 Ureibacillus sp. str. S22-30
AB375754.1 gg_id:340308 Bacillus sp. str. 50LAy-1
NR_025394.1 gg_id:533566 Ureibacillus terrenus str. DSM 12654 TH9A
DQ348072.1 gg_id:149858 Ureibacillus koreensis str. HC 148
DQ348071.1 gg_id:148390 Ureibacillus rudaensis str. HC 145
AJ002154.1 gg_id:15001 Bacillus sp. str. TP-84
AY850379.1 gg_id:112646 Ureibacillus sp. 6T19
AY850380.1 gg_id:112588 Ureibacillus sp. 6T29

EU464523.1	299298	499.8	739.2	1560.6	290.5	144.3	437.1
EU771613.1	319678	2978.8	3670.8	2624.0	2324.0	3335.0	3542.2
EU775992.1	323455	7060.5	7744.1	6836.6	7664.2	7409.8	5960.1
EU469346.1	303364	492.3	434.2	423.3	265.7	998.8	1116.8
EU465873.1	295003	10233.2	11559.1	11460.1	11251.5	16156.7	13005.6
EU465924.1	294077	18536.7	17992.6	10182.4	15581.8	16283.8	15204.0
EU467924.1	300689	5555.9	5118.7	7000.5	4077.6	2105.8	3053.4
DQ350822.1	147600	1975.7	2709.6	1557.2	1169.6	1373.2	3640.0
DQ350820.1	149022	6216.2	5853.3	4052.3	5017.5	6546.6	6392.8
FJ373039.2	328019	2327.6	3672.6	4705.5	1687.0	1642.4	2479.6
EU464583.1	288939	7462.6	6820.9	6198.0	8882.1	7733.5	7472.3
EU464640.1	291198	2544.2	2931.6	5313.0	1796.8	2131.7	2485.8
EF503617.1	223021	613.7	1077.8	2128.2	706.5	172.2	1627.0
EU464615.1	302384	10914.3	10872.4	8463.0	9944.7	7339.6	7476.5
AF506059.1	66290	607.4	681.7	384.6	292.4	287.9	694.3
GU457789.1	520283	1052.6	1466.4	1079.5	516.3	700.4	1548.6
EU458457.1	288070	3125.3	2137.3	2636.1	1040.2	411.0	1404.1
EU464653.1	290156	9540.1	9937.7	6797.6	8489.1	10467.7	9688.6
EU776053.1	338567	786.4	1427.7	907.6	1154.7	1564.8	1311.1
EU464579.1	290738	2785.7	2757.2	1789.2	1920.3	2869.6	3217.7
EU464471.1	296964	4308.3	5003.0	1707.0	3852.7	2279.7	3307.9
EU771835.1	343694	9641.3	9966.7	6533.3	6700.2	7706.0	7440.5
EU464447.1	302696	6860.3	7521.8	8795.8	7701.1	11855.3	9481.5
FJ681317.1	520320	5129.1	5176.5	5505.5	3809.2	4263.6	5625.6
FJ682537.1	515638	41.9	57.0	80.9	74.1	61.9	113.7
EU466043.1	303040	7500.9	8771.6	6070.6	7975.6	12855.9	10871.3
DQ351921.1	168183	157.8	332.8	371.1	167.7	97.2	856.8
AM295339.1	323201	309.2	762.0	1011.4	358.6	156.4	853.6
EU464457.1	293528	5608.7	7714.9	3527.8	6515.0	9611.4	8119.7
EF061442.1	193195	38.1	51.2	41.0	86.8	79.7	71.5
DQ346545.1	156055	815.4	1115.0	539.5	388.7	302.1	281.2
AM888182.1	240670	606.0	1474.9	705.0	380.6	1973.3	2540.3
AB170018.1	104224	6818.9	7283.1	3082.5	6808.8	4631.7	6668.5
AM932266.1	272689	237.0	649.8	1098.6	134.8	77.0	216.6
AB375754.1	340308	222.2	445.9	531.5	211.5	104.1	1368.4
NR_025394.1	533566	3862.4	3847.4	4077.9	3147.1	1682.4	2953.8
DQ348072.1	149858	1661.5	1811.2	2056.3	1878.2	630.0	1619.5
DQ348071.1	148390	1231.9	1588.3	747.2	2412.6	2949.3	1737.5
AJ002154.1	15001	3176.1	3041.4	2316.0	2693.4	5451.1	3570.2
AY850379.1	112646	2746.3	2962.9	2109.7	4229.7	1490.1	3875.9
AY850380.1	112588	7209.4	7931.0	4341.2	5001.2	4683.2	5540.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Planococcaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Sporolactobacillaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Ureibacillus
g__Viridibacillus
g__Viridibacillus
g__Viridibacillus
g__Viridibacillus
g__Viridibacillus
g__Pullulanibacillus
g__Pullulanibacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__Sporolactobacillus
g__unclassified
g__unclassified
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Jeotgalicoccus
g__Macrococcus
g__Macrococcus
g__Macrococcus
g__Macrococcus
g__Macrococcus
g__Macrococcus
g__Macrococcus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus

s__Ureibacillus thermosphaericus	42820
s__Ureibacillus thermosphaericus	43008
s__Ureibacillus thermosphaericus	43854
s__Ureibacillus thermosphaericus	44147
s__unclassified	44090
s__Viridibacillus arenosi	42704
s__Viridibacillus arenosi	43495
s__Viridibacillus arvi	44062
s__Viridibacillus neidei	43861
s__unclassified	46339
s__unclassified	46601
s__Sporolactobacillus inulinus	47013
s__Sporolactobacillus kofuensis	47415
s__Sporolactobacillus nakayamae	46425
s__unclassified	45985
s__unclassified	46336
s__unclassified	47186
s__unclassified	47690
s__unclassified	47604
s__unclassified	48411
s__Jeotgalicoccus psychrophilus	42452
s__Jeotgalicoccus psychrophilus	43028
s__unclassified	42504
s__unclassified	42526
s__unclassified	43095
s__unclassified	43116
s__unclassified	43509
s__unclassified	43749
s__unclassified	44033
s__unclassified	44063
s__unclassified	44152
s__Macrococcus caseolyticus	43948
s__Macrococcus equipercicus	42445
s__Macrococcus equipercicus	42556
s__Macrococcus equipercicus	42770
s__unclassified	42666
s__unclassified	42727
s__unclassified	43099
s__Salinicoccus halodurans	42573
s__Salinicoccus halodurans	43800
s__Salinicoccus roseus	42956

AB210992.1 gg_id:115344 Ureibacillus thermosphaericus str. SSCS46-2
AB211000.1 gg_id:115243 Ureibacillus thermosphaericus str. SSCS41-1
AB211003.1 gg_id:115348 Ureibacillus thermosphaericus str. SSCS39-2
AB211004.1 gg_id:115248 Ureibacillus thermosphaericus str. SSCS39-1
EF690414.1 gg_id:245684 Bacillus arenosi M18-3
EU741070.1 gg_id:548314 Viridibacillus arenosi str. 13630P
NR_025628.1 gg_id:542641 Viridibacillus arenosi str. LMG 22166
AJ627211.1 gg_id:101984 Bacillus arvi str. LMG 22165
AF169520.1 gg_id:48079 Bacillus neidei str. BD-87
AJ535733.1 gg_id:91416 Bacillus sp. str. US149
AB021193.1 gg_id:26043 Bacillus naganoensis str. ATCC53909
D16288.1 gg_id:14489 Sporolactobacillus inulinus str. IAM 12384
D16287.1 gg_id:14484 Sporolactobacillus kofuensis str. M18
D16285.1 gg_id:14478 Sporolactobacillus laevis str. IAM 12387
AB374522.1 gg_id:269392 Sporolactobacillus sp. str. QC81-06
D16270.1 gg_id:14486 Bacillus laevolacticus str. IAM12321
EF581819.1 gg_id:279322 Sporolactobacillus sp. str. SL153
D16290.1 gg_id:14491 Sporolactobacillus terrae str. IAM 12395
GQ344411.1 gg_id:540404 Sporolactobacillaceae str. b09s-2
AB231785.1 gg_id:154718 Tuberibacillus calidus str. 606b
GQ016497.1 gg_id:493171 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
EF463102.1 gg_id:265870 Jeotgalicoccus psychrophilus str. S190
FJ674640.1 gg_id:526461 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ085599.1 gg_id:401412 Topographical and Temporal Human Skin Microbiome skin palm clone nbw278a08c1
AY038633.1 gg_id:36078 lacustrine subsurface sediment clone GL178.18
EU194336.1 gg_id:243071 Jeotgalicoccus psychrophilus str. XJUHX-36
EU583727.1 gg_id:266449 Jeotgalicoccus sp. str. JSM 076033
AY028925.1 gg_id:44574 Jeotgalicoccus halotolerans str. YKJ-101
FJ675373.1 gg_id:525451 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674485.1 gg_id:528297 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ086237.1 gg_id:425277 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
Y15711.1 gg_id:14905 Macrococcus caseolyticus str. ATCC 13548
NR_029057.1 gg_id:589163 Macrococcus lamae str. R 16089; CCM 4815
Y15714.1 gg_id:14908 Macrococcus bovicus str. L2F4
AM237362.1 gg_id:154444 Macrococcus equipercicus OS-58.a2
AB079788.1 gg_id:61797 Micrococcus luteus B-P 26
AY119685.1 gg_id:64394 Macrococcus hajekii str. CCM 4809
Y15713.1 gg_id:14912 Macrococcus carouselicus str. H8b16
EU432572.1 gg_id:265732 Salinicoccus sp. str. 10093
DQ989633.1 gg_id:192272 Salinicoccus sp. str. W24
DQ093353.1 gg_id:134112 Salinicoccus roseus str. Iii10

AB210992.1	115344	5414.1	4859.0	2613.8	5121.0	1355.0	2380.9
AB211000.1	115243	946.6	675.7	513.6	214.8	174.8	742.0
AB211003.1	115348	7560.4	7588.3	3110.0	4958.6	7750.4	7021.6
AB211004.1	115248	6745.6	6185.1	8304.7	7408.1	5684.4	5470.3
EF690414.1	245684	1016.1	1159.5	1560.4	990.9	404.8	1810.3
EU741070.1	548314	48.9	156.1	86.1	99.4	76.9	417.2
NR_025628.1	542641	507.3	705.8	780.7	289.7	229.2	814.2
AJ627211.1	101984	1898.7	2389.0	4505.9	1273.7	1416.7	1814.2
AF169520.1	48079	2680.3	3450.2	3533.7	4487.7	3779.9	3721.7
AJ535733.1	91416	1699.3	1303.7	1066.7	1230.9	1712.2	2485.4
AB021193.1	26043	160.1	206.8	119.4	255.2	103.5	169.1
D16288.1	14489	1373.7	1637.6	764.5	1245.1	1883.2	2632.8
D16287.1	14484	1250.0	1331.6	2855.2	2250.9	1277.3	2179.6
D16285.1	14478	188.5	288.7	335.0	537.9	206.3	520.7
AB374522.1	269392	3070.0	3977.3	4090.3	3972.3	4518.1	4915.8
D16270.1	14486	454.5	497.9	1727.7	2319.2	573.8	1348.3
EF581819.1	279322	4213.3	3701.6	4163.0	4861.9	2767.1	4092.7
D16290.1	14491	175.8	276.9	307.2	404.8	170.2	463.2
GQ344411.1	540404	744.7	1087.0	1674.3	293.8	731.4	1419.8
AB231785.1	154718	37.1	80.8	41.6	62.0	98.4	67.6
GQ016497.1	493171	7116.6	6496.3	3957.5	8589.1	3419.1	5485.0
EF463102.1	265870	4212.4	4926.5	2873.6	2652.8	3006.5	2468.8
FJ674640.1	526461	4031.2	5265.2	3587.7	3046.4	3150.7	3076.8
GQ085599.1	401412	8281.9	7242.9	5451.1	8153.6	6301.6	8688.1
AY038633.1	36078	10848.9	12744.7	9631.3	8884.8	6711.4	9391.4
EU194336.1	243071	4030.7	5540.0	5392.9	4147.3	5524.4	4824.8
EU583727.1	266449	3645.6	3628.9	2556.4	2854.4	2811.4	3190.8
AY028925.1	44574	5486.0	7039.4	4850.2	4024.1	5647.1	4448.4
FJ675373.1	525451	1407.3	3196.4	4606.9	2292.4	1860.6	2798.2
FJ674485.1	528297	2197.9	2747.5	3154.2	2727.2	3563.5	3646.0
GQ086237.1	425277	7909.2	7624.4	8442.5	7527.4	8445.9	9720.4
Y15711.1	14905	1543.0	2128.0	1364.4	1090.7	1901.3	1515.9
NR_029057.1	589163	4893.7	3848.9	1916.8	681.8	215.2	991.0
Y15714.1	14908	510.1	796.0	1370.7	504.8	181.2	336.9
AM237362.1	154444	665.5	537.8	3129.7	287.9	121.4	582.7
AB079788.1	61797	743.4	1402.4	1970.3	666.0	1741.0	3102.0
AY119685.1	64394	2795.1	2991.0	4000.2	1218.4	1393.5	2322.7
Y15713.1	14912	2632.9	3233.0	4278.7	1754.3	1765.6	2431.6
EU432572.1	265732	2829.0	3599.0	3256.0	3937.5	2353.9	2793.7
DQ989633.1	192272	2698.4	2454.6	2063.6	5111.5	1726.1	2252.7
DQ093353.1	134112	3032.1	3993.0	2723.9	3544.9	1964.0	4651.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Salinicoccus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Salinicoccus roseus	43946
s__unclassified	42496
s__unclassified	42718
s__unclassified	42931
s__unclassified	42990
s__unclassified	43146
s__unclassified	43149
s__unclassified	43624
s__unclassified	43743
s__Staphylococcus arlettae	46564
s__Staphylococcus arlettae	47033
s__Staphylococcus arlettae	48021
s__Staphylococcus aureus	45978
s__Staphylococcus aureus	46145
s__Staphylococcus aureus	46248
s__Staphylococcus aureus	46266
s__Staphylococcus aureus	46369
s__Staphylococcus aureus	46605
s__Staphylococcus aureus	46617
s__Staphylococcus aureus	46637
s__Staphylococcus aureus	46856
s__Staphylococcus aureus	47097
s__Staphylococcus aureus	47115
s__Staphylococcus aureus	47241
s__Staphylococcus aureus	47412
s__Staphylococcus aureus	47627
s__Staphylococcus aureus	47667
s__Staphylococcus aureus	47753
s__Staphylococcus aureus	47867
s__Staphylococcus aureus	47971
s__Staphylococcus aureus	47994
s__Staphylococcus aureus	48066
s__Staphylococcus cohnii	46920
s__Staphylococcus cohnii	47293
s__Staphylococcus cohnii	47435
s__Staphylococcus epidermidis	45905
s__Staphylococcus epidermidis	45912
s__Staphylococcus epidermidis	45914
s__Staphylococcus epidermidis	45918
s__Staphylococcus epidermidis	45921
s__Staphylococcus epidermidis	45926

GU397406.1 gg_id:517923 Salinicoccus roseus str. G0B
DQ352839.2 gg_id:145617 Salinicoccus aurantium str. YIM 70202
EF177689.1 gg_id:198961 Salinicoccus sp. str. Y22
AF275710.1 gg_id:37750 Salinicoccus alkaliphilus str. T8
EU534791.1 gg_id:282310 profile human skin microbiota ear punch biopsy female C57BL/6J mouse clone nbt21
EF397606.1 gg_id:215022 Salinicoccus siamensis str. PN7-1
AY028927.1 gg_id:26423 Salinicoccus hispanicus str. DSM 5352
DQ767692.2 gg_id:164495 Salinicoccus sp. str. QW6
FJ182049.2 gg_id:332643 Salinicoccus sp. str. Crm
GQ280080.1 gg_id:549014 Staphylococcus gallinarum str. JS-10
DQ355389.1 gg_id:158047 Staphylococcus saprophyticus
EU660331.1 gg_id:301632 Staphylococcus arlettae str. CM18
AF015929.1 gg_id:14788 Staphylococcus aureus str. ATCC 29740
AF146368.1 gg_id:14885 Staphylococcus aureus str. 71382
EF510513.1 gg_id:220229 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug
DQ226212.1 gg_id:144797 Staphylococcus aureus DR.Y11
DQ630753.1 gg_id:160169 Staphylococcus aureus
L36472.1 gg_id:138458 Staphylococcus aureus
EF463060.1 gg_id:223814 Staphylococcus aureus str. RKA6
X70648.1 gg_id:14825 Staphylococcus aureus str. NCDO 949
NC_007622.1 gg_id:150528 Staphylococcus aureus str. RF122
AJ938182.1 gg_id:144650 Staphylococcus aureus str. RF122
DQ997836.1 gg_id:196205 Staphylococcus aureus str. F155
EF463058.1 gg_id:224473 Staphylococcus aureus str. RKA4
Y15856.1 gg_id:14889 Staphylococcus aureus str. M2 3
FJ609418.1 gg_id:534669 Staphylococcus aureus str. PRSR-4
EU604543.1 gg_id:278032 Staphylococcus aureus str. 185060 (VRSA)
GQ919290.1 gg_id:567156 Staphylococcus aureus str. SGC801
EU604544.1 gg_id:279269 Staphylococcus aureus str. 185100
AY727530.2 gg_id:122846 Staphylococcus simiae str. CCM 7213
GU213356.1 gg_id:561986 Staphylococcus aureus str. 44
EU807758.1 gg_id:305525 Staphylococcus aureus str. X13
EU730931.1 gg_id:338529 Staphylococcus cohnii str. 175
NR_028996.1 gg_id:581219 Staphylococcus nepalensis str. CW1; DSM 15150
EF173930.1 gg_id:177509 Staphylococcus cohnii str. COL4
GQ052971.1 gg_id:380781 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbu
GQ073909.1 gg_id:466553 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ053940.1 gg_id:412476 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ103291.1 gg_id:413254 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw698f01
GU354324.1 gg_id:528574 Staphylococcus epidermidis str. DGC-1
GQ069570.1 gg_id:421820 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1

GU397406.1	517923	4410.2	5010.9	3691.9	3992.8	1564.4	3370.4
DQ352839.2	145617	101.3	153.3	45.4	73.4	133.0	65.4
EF177689.1	198961	5891.4	6737.8	5485.0	4097.6	2251.1	4164.6
AF275710.1	37750	14650.8	14508.8	14454.4	12094.6	13555.8	14551.5
EU534791.1	282310	1297.7	1389.7	865.9	3509.8	717.0	1227.2
EF397606.1	215022	1239.4	2793.5	4296.7	2042.1	588.6	2763.6
AY028927.1	26423	3851.4	4881.8	4437.9	6115.8	5417.8	5970.2
DQ767692.2	164495	54.9	77.0	46.4	88.2	105.3	41.1
FJ182049.2	332643	339.0	640.2	607.9	556.6	253.2	493.4
GQ280080.1	549014	173.6	280.3	183.6	110.9	60.9	517.6
DQ355389.1	158047	3861.5	5148.9	3168.2	3895.6	3593.2	4456.4
EU660331.1	301632	3377.5	6003.8	3189.4	2280.1	2695.5	3305.6
AF015929.1	14788	1353.2	1854.5	715.9	808.1	227.3	701.1
AF146368.1	14885	553.6	700.8	542.9	167.4	155.9	401.7
EF510513.1	220229	8259.8	8156.6	2536.3	10466.6	12310.9	11373.1
DQ226212.1	144797	1320.7	1736.1	697.3	742.4	220.4	722.1
DQ630753.1	160169	445.5	480.2	582.2	913.1	315.7	1186.9
L36472.1	138458	1423.1	1319.4	1489.4	2884.6	467.2	651.0
EF463060.1	223814	531.5	644.7	389.0	164.8	136.0	289.8
X70648.1	14825	3689.6	5293.5	3792.5	3866.4	6353.0	5530.0
NC_007622.1	150528	1232.8	1653.8	689.2	732.8	191.6	696.3
AJ938182.1	144650	5646.1	7900.2	3117.9	5777.4	6533.5	5882.3
DQ997836.1	196205	1336.8	1842.6	701.2	807.4	225.2	723.3
EF463058.1	224473	537.0	688.9	528.1	166.7	153.7	404.0
Y15856.1	14889	243.9	333.2	549.1	469.6	178.3	678.3
FJ609418.1	534669	938.4	1531.7	785.5	262.0	700.3	876.7
EU604543.1	278032	552.5	696.0	540.4	168.0	150.7	403.1
GQ919290.1	567156	258.8	586.9	708.8	248.5	217.3	509.5
EU604544.1	279269	550.3	683.2	532.7	159.9	151.5	304.2
AY727530.2	122846	46.6	65.7	185.6	59.8	74.7	130.2
GU213356.1	561986	385.8	748.8	1287.7	262.8	263.3	398.9
EU807758.1	305525	493.9	576.8	109.5	133.0	146.4	341.9
EU730931.1	338529	508.8	583.8	205.1	359.7	398.1	842.2
NR_028996.1	581219	683.0	1630.8	591.3	593.6	478.3	1516.8
EF173930.1	177509	489.0	867.9	732.6	443.0	149.7	955.3
GQ052971.1	380781	1887.0	2025.4	1555.2	417.1	164.4	451.0
GQ073909.1	466553	1974.4	2212.2	1922.7	1808.8	1185.7	1718.6
GQ053940.1	412476	1012.0	673.7	1091.2	810.0	121.2	913.2
GQ103291.1	413254	843.5	753.2	1322.7	1859.4	2402.0	1899.1
GU354324.1	528574	1865.0	2074.1	601.9	999.5	656.0	1370.7
GQ069570.1	421820	4319.8	7436.9	3033.9	3554.0	8241.6	5867.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	45928
s__Staphylococcus epidermidis	45951
s__Staphylococcus epidermidis	45953
s__Staphylococcus epidermidis	45959
s__Staphylococcus epidermidis	45960
s__Staphylococcus epidermidis	45968
s__Staphylococcus epidermidis	45976
s__Staphylococcus epidermidis	45979
s__Staphylococcus epidermidis	45982
s__Staphylococcus epidermidis	45983
s__Staphylococcus epidermidis	45991
s__Staphylococcus epidermidis	45998
s__Staphylococcus epidermidis	46000
s__Staphylococcus epidermidis	46001
s__Staphylococcus epidermidis	46006
s__Staphylococcus epidermidis	46007
s__Staphylococcus epidermidis	46010
s__Staphylococcus epidermidis	46018
s__Staphylococcus epidermidis	46025
s__Staphylococcus epidermidis	46033
s__Staphylococcus epidermidis	46038
s__Staphylococcus epidermidis	46046
s__Staphylococcus epidermidis	46050
s__Staphylococcus epidermidis	46053
s__Staphylococcus epidermidis	46056
s__Staphylococcus epidermidis	46063
s__Staphylococcus epidermidis	46067
s__Staphylococcus epidermidis	46072
s__Staphylococcus epidermidis	46078
s__Staphylococcus epidermidis	46087
s__Staphylococcus epidermidis	46106
s__Staphylococcus epidermidis	46107
s__Staphylococcus epidermidis	46117
s__Staphylococcus epidermidis	46118
s__Staphylococcus epidermidis	46121
s__Staphylococcus epidermidis	46126
s__Staphylococcus epidermidis	46127
s__Staphylococcus epidermidis	46132
s__Staphylococcus epidermidis	46133
s__Staphylococcus epidermidis	46138
s__Staphylococcus epidermidis	46140

GQ074249.1 gg_id:411974 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ040672.1 gg_id:379296 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw957d07c
GQ025280.1 gg_id:459414 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ054930.1 gg_id:424474 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ063021.1 gg_id:433497 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw96f11c
GQ039744.1 gg_id:414390 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu427g05
FN393796.1 gg_id:549256 Staphylococcus epidermidis str. ES-5a1
GQ056637.1 gg_id:444498 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ080181.1 gg_id:459819 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw113
GQ055927.1 gg_id:408408 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1040f0
GQ002213.1 gg_id:507448 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ002082.1 gg_id:507580 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ104186.1 gg_id:377635 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw564e0
CP000029.1 gg_id:151979 Staphylococcus epidermidis str. RP62A
GQ035501.1 gg_id:440041 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu3
GQ021875.1 gg_id:487793 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ022582.1 gg_id:487088 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
L37602.1 gg_id:14792 Staphylococcus saccharolyticus
GQ053159.1 gg_id:450808 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ053281.1 gg_id:456798 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ103944.1 gg_id:405855 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ113253.1 gg_id:409000 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ035691.1 gg_id:449623 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu3
GQ001890.1 gg_id:507772 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ020593.1 gg_id:489075 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ042909.1 gg_id:393511 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ004633.1 gg_id:505026 Topographical and Temporal Human Skin Microbiome skin nare clone nbu60g03c1
GQ041706.1 gg_id:396889 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw931e0
GQ022636.1 gg_id:487032 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ025698.1 gg_id:449649 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ110931.1 gg_id:424601 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ025771.1 gg_id:454897 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001971.1 gg_id:507691 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ018846.1 gg_id:490822 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbu191d
GQ002091.1 gg_id:507571 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ053908.1 gg_id:375642 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ002049.1 gg_id:507613 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ074744.1 gg_id:385062 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ022666.1 gg_id:487003 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ057326.1 gg_id:466215 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ079461.1 gg_id:426677 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n

GQ074249.1	411974	99.4	83.8	175.8	65.9	78.5	220.2
GQ040672.1	379296	2570.9	2587.2	1672.5	1147.9	142.9	825.3
GQ025280.1	459414	6744.9	4909.1	4416.2	4909.6	3423.3	4901.6
GQ054930.1	424474	2305.5	2462.9	1563.8	2008.6	1534.2	1902.8
GQ063021.1	433497	7373.6	5767.8	7837.7	9492.6	4026.1	2629.6
GQ039744.1	414390	1056.1	1033.0	1492.9	528.6	127.6	571.0
FN393796.1	549256	1813.5	2837.9	1709.0	1438.5	2109.5	2206.9
GQ056637.1	444498	3540.5	5062.9	3423.0	2200.1	2657.0	3013.8
GQ080181.1	459819	2770.9	1933.3	694.3	1076.1	1065.9	1566.1
GQ055927.1	408408	2256.0	1866.6	1148.4	3959.5	355.2	821.5
GQ002213.1	507448	6588.0	7255.6	5297.1	4652.1	2419.1	4181.3
GQ002082.1	507580	8369.5	6375.9	5407.0	1996.1	1178.2	2006.9
GQ104186.1	377635	8039.9	8722.2	6093.8	7407.3	8588.9	6255.5
CP000029.1	151979	4350.8	3540.2	1827.3	744.9	149.9	1280.1
GQ035501.1	440041	1655.6	2603.8	1609.2	977.5	1482.8	1791.2
GQ021875.1	487793	11464.9	11542.5	8782.1	10022.0	10578.8	9437.1
GQ022582.1	487088	14377.0	15083.5	13956.1	14490.9	12458.5	10641.2
L37602.1	14792	4279.4	4039.2	1141.6	7502.3	438.6	1670.3
GQ053159.1	450808	1425.1	2195.4	1093.9	1246.9	2072.8	2084.3
GQ053281.1	456798	311.7	644.8	839.1	219.2	83.4	153.9
GQ103944.1	405855	1949.6	2096.8	1968.1	1470.3	2921.9	4153.0
GQ113253.1	409000	2387.8	3469.2	2037.6	1549.9	2381.3	2472.0
GQ035691.1	449623	3836.5	4679.7	2262.4	1169.4	3067.0	3520.5
GQ001890.1	507772	5799.8	5011.8	2274.3	8088.8	6518.9	5946.5
GQ020593.1	489075	1012.8	2241.6	850.8	352.1	915.2	817.7
GQ042909.1	393511	21978.3	21360.9	9401.2	18226.9	23329.5	20312.8
GQ004633.1	505026	4826.1	5009.6	4482.1	3228.4	9636.3	8495.7
GQ041706.1	396889	2514.4	3166.4	160.2	2078.0	349.3	669.6
GQ022636.1	487032	16637.4	19859.9	16968.0	17531.7	21378.7	19022.6
GQ025698.1	449649	14525.1	15243.2	7997.2	17154.9	20525.5	15662.9
GQ110931.1	424601	1772.2	2566.4	1100.9	1253.3	2076.5	2103.3
GQ025771.1	454897	4891.4	5327.0	3752.5	3472.9	2084.6	3179.2
GQ001971.1	507691	3495.3	3627.2	1691.9	1658.6	876.3	1184.5
GQ018846.1	490822	2737.9	3507.5	2259.5	2822.8	2421.6	2527.9
GQ002091.1	507571	4986.3	5937.0	2585.5	1946.4	2426.5	3082.4
GQ053908.1	375642	1279.8	1299.4	301.2	2684.5	2059.3	2190.4
GQ002049.1	507613	9622.8	10968.5	5315.4	11560.7	15849.0	11761.0
GQ074744.1	385062	12217.3	12392.6	6751.7	10464.2	11173.5	10177.2
GQ022666.1	487003	1514.7	2423.3	1431.2	909.7	1385.7	1686.5
GQ057326.1	466215	3095.8	3602.9	2002.9	3635.3	3362.0	3777.1
GQ079461.1	426677	1582.0	1420.0	1398.4	1376.7	839.9	1318.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	46160
s__Staphylococcus epidermidis	46162
s__Staphylococcus epidermidis	46163
s__Staphylococcus epidermidis	46177
s__Staphylococcus epidermidis	46178
s__Staphylococcus epidermidis	46179
s__Staphylococcus epidermidis	46181
s__Staphylococcus epidermidis	46183
s__Staphylococcus epidermidis	46189
s__Staphylococcus epidermidis	46210
s__Staphylococcus epidermidis	46215
s__Staphylococcus epidermidis	46217
s__Staphylococcus epidermidis	46219
s__Staphylococcus epidermidis	46226
s__Staphylococcus epidermidis	46237
s__Staphylococcus epidermidis	46238
s__Staphylococcus epidermidis	46241
s__Staphylococcus epidermidis	46243
s__Staphylococcus epidermidis	46244
s__Staphylococcus epidermidis	46246
s__Staphylococcus epidermidis	46251
s__Staphylococcus epidermidis	46260
s__Staphylococcus epidermidis	46263
s__Staphylococcus epidermidis	46264
s__Staphylococcus epidermidis	46271
s__Staphylococcus epidermidis	46279
s__Staphylococcus epidermidis	46281
s__Staphylococcus epidermidis	46284
s__Staphylococcus epidermidis	46291
s__Staphylococcus epidermidis	46293
s__Staphylococcus epidermidis	46298
s__Staphylococcus epidermidis	46308
s__Staphylococcus epidermidis	46322
s__Staphylococcus epidermidis	46323
s__Staphylococcus epidermidis	46325
s__Staphylococcus epidermidis	46338
s__Staphylococcus epidermidis	46340
s__Staphylococcus epidermidis	46344
s__Staphylococcus epidermidis	46345
s__Staphylococcus epidermidis	46347
s__Staphylococcus epidermidis	46365

GQ042849.1 gg_id:375474 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001901.1 gg_id:507761 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ047296.1 gg_id:443018 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ112141.1 gg_id:414631 Topographical and Temporal Human Skin Microbiome skin nare clone nbw585a10c1
GQ050516.1 gg_id:411996 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbu486g
GQ047325.1 gg_id:414963 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ040065.1 gg_id:468106 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw94
GQ074022.1 gg_id:426723 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002019.1 gg_id:507644 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ049341.1 gg_id:440335 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ109943.1 gg_id:433569 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ001969.1 gg_id:507693 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
EU373429.1 gg_id:259221 Staphylococcus epidermidis str. TPR16
GQ053778.1 gg_id:426569 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ054967.1 gg_id:434386 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ002038.1 gg_id:507624 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ087061.1 gg_id:393772 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ081844.1 gg_id:392748 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002138.1 gg_id:507522 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ025315.1 gg_id:394560 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ087019.1 gg_id:394567 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ040901.1 gg_id:447501 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw959h11
GQ039873.1 gg_id:446272 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ103271.1 gg_id:431479 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw698c1(
GQ040814.1 gg_id:383672 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw958h12
GQ068221.1 gg_id:422149 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw148
GQ041813.1 gg_id:378964 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw933
GQ078977.1 gg_id:456256 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ026251.1 gg_id:405336 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ025279.1 gg_id:404032 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ112767.1 gg_id:459494 Topographical and Temporal Human Skin Microbiome skin nare clone nbw587h08c1
GQ068435.1 gg_id:397220 Topographical and Temporal Human Skin Microbiome skin nare clone nbw150e09c1
GQ074110.1 gg_id:438084 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ019216.1 gg_id:490451 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ107951.1 gg_id:434364 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw556f02
GQ056391.1 gg_id:402799 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025759.1 gg_id:437986 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ059239.1 gg_id:442648 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu58
GQ078970.1 gg_id:409541 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ051827.1 gg_id:395073 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ047106.1 gg_id:435044 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw

GQ042849.1	375474	5284.3	6226.7	4706.2	4795.5	8364.4	4812.3
GQ001901.1	507761	2712.0	2769.0	1482.1	1073.7	131.9	783.7
GQ047296.1	443018	2159.4	3209.5	1834.3	1352.4	2112.9	2240.2
GQ112141.1	414631	3922.6	2431.1	2129.8	3699.9	1284.0	2640.2
GQ050516.1	411996	12160.3	13262.9	8896.1	8852.2	11397.6	10540.0
GQ047325.1	414963	52.0	268.4	302.4	88.1	75.3	606.7
GQ040065.1	468106	5505.9	5891.8	3681.2	4244.3	6219.1	5027.7
GQ074022.1	426723	12299.6	5813.0	4012.5	5229.9	997.0	2834.0
GQ002019.1	507644	20359.4	17643.4	14267.7	9460.9	9498.3	11064.9
GQ049341.1	440335	7176.2	6200.2	4904.2	6428.2	5409.9	5507.0
GQ109943.1	433569	3350.0	5572.3	2992.7	3030.3	10567.1	5387.0
GQ001969.1	507693	2314.7	3291.1	1723.8	1457.6	2143.8	2249.3
EU373429.1	259221	11482.5	10063.1	6037.7	9181.1	3669.7	4223.3
GQ053778.1	426569	6629.4	6074.5	4080.2	1229.2	350.4	1511.9
GQ054967.1	434386	2160.6	3208.8	1716.0	1444.9	2113.2	2226.0
GQ002038.1	507624	2947.4	2974.9	1686.2	1152.7	144.1	711.6
GQ087061.1	393772	1721.7	949.5	669.5	3391.9	624.4	632.5
GQ081844.1	392748	8039.6	7322.9	5232.1	3388.1	3799.7	4219.9
GQ002138.1	507522	10139.8	7188.4	6326.6	7044.7	300.8	1645.2
GQ025315.1	394560	8582.5	10879.5	11372.8	8965.5	7081.7	6518.7
GQ087019.1	394567	823.7	952.0	324.5	120.1	102.6	202.3
GQ040901.1	447501	8792.9	7721.0	7949.6	3993.9	770.4	2117.5
GQ039873.1	446272	1072.1	1134.9	377.3	131.4	126.1	258.9
GQ103271.1	431479	7592.3	7623.9	7254.7	5477.2	6491.8	5022.1
GQ040814.1	383672	8097.2	8896.0	5265.2	1422.8	222.7	2103.5
GQ068221.1	422149	5343.2	4649.1	2244.3	5331.7	6056.6	5072.3
GQ041813.1	378964	5878.9	5129.6	3597.4	4552.1	5126.5	3764.0
GQ078977.1	456256	1012.8	1588.6	392.7	234.2	189.0	403.7
GQ026251.1	405336	6673.4	5922.4	4060.7	8807.9	10725.0	5917.3
GQ025279.1	404032	1659.1	2243.5	2369.0	697.0	515.8	898.7
GQ112767.1	459494	6769.8	6891.3	6476.8	7692.4	12729.2	8474.1
GQ068435.1	397220	1189.4	1858.5	257.6	634.5	93.1	505.9
GQ074110.1	438084	2030.7	2806.9	1631.4	2219.3	2005.7	2110.8
GQ019216.1	490451	1623.6	2351.8	566.9	577.6	2837.4	1603.1
GQ107951.1	434364	9603.3	9898.0	7143.7	8631.3	9878.5	8726.3
GQ056391.1	402799	991.2	1443.5	1654.8	2725.6	281.7	375.3
GQ025759.1	437986	1363.8	1168.5	1027.2	1498.3	640.6	806.2
GQ059239.1	442648	1858.6	1729.1	1477.5	2758.1	281.7	808.4
GQ078970.1	409541	1993.1	2994.5	1539.1	1267.5	1980.4	2084.0
GQ051827.1	395073	2449.3	2000.5	1505.4	3274.6	206.7	541.2
GQ047106.1	435044	2716.9	2461.3	3556.5	4009.1	2886.1	1386.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	46368
s__Staphylococcus epidermidis	46372
s__Staphylococcus epidermidis	46376
s__Staphylococcus epidermidis	46377
s__Staphylococcus epidermidis	46387
s__Staphylococcus epidermidis	46393
s__Staphylococcus epidermidis	46395
s__Staphylococcus epidermidis	46396
s__Staphylococcus epidermidis	46405
s__Staphylococcus epidermidis	46409
s__Staphylococcus epidermidis	46417
s__Staphylococcus epidermidis	46426
s__Staphylococcus epidermidis	46431
s__Staphylococcus epidermidis	46434
s__Staphylococcus epidermidis	46448
s__Staphylococcus epidermidis	46449
s__Staphylococcus epidermidis	46450
s__Staphylococcus epidermidis	46451
s__Staphylococcus epidermidis	46457
s__Staphylococcus epidermidis	46468
s__Staphylococcus epidermidis	46471
s__Staphylococcus epidermidis	46475
s__Staphylococcus epidermidis	46487
s__Staphylococcus epidermidis	46489
s__Staphylococcus epidermidis	46495
s__Staphylococcus epidermidis	46500
s__Staphylococcus epidermidis	46505
s__Staphylococcus epidermidis	46511
s__Staphylococcus epidermidis	46513
s__Staphylococcus epidermidis	46515
s__Staphylococcus epidermidis	46516
s__Staphylococcus epidermidis	46517
s__Staphylococcus epidermidis	46518
s__Staphylococcus epidermidis	46521
s__Staphylococcus epidermidis	46526
s__Staphylococcus epidermidis	46533
s__Staphylococcus epidermidis	46540
s__Staphylococcus epidermidis	46542
s__Staphylococcus epidermidis	46545
s__Staphylococcus epidermidis	46551
s__Staphylococcus epidermidis	46554

GQ025701.1 gg_id:403987 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001898.1 gg_id:507764 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ053848.1 gg_id:456146 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ086782.1 gg_id:447446 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3·
GQ017272.1 gg_id:492394 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbu116
GQ107868.1 gg_id:442915 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw555e07
GQ112009.1 gg_id:413521 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw583
GQ042149.1 gg_id:391556 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw93€
GQ001867.1 gg_id:507795 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ053154.1 gg_id:417106 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ025420.1 gg_id:434791 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025258.1 gg_id:421569 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002252.1 gg_id:507410 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ058706.1 gg_id:461823 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
X75943.1 gg_id:14891 Staphylococcus epidermidis str. GH561
GQ055027.1 gg_id:456272 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ002013.1 gg_id:507649 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ110105.1 gg_id:447181 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ089395.1 gg_id:452131 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ073987.1 gg_id:435601 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ047517.1 gg_id:417783 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025752.1 gg_id:435347 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025251.1 gg_id:456107 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001884.1 gg_id:507777 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ079879.1 gg_id:372232 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw113
GQ053253.1 gg_id:444491 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ103694.1 gg_id:436828 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw700b09
GQ025308.1 gg_id:449948 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ086780.1 gg_id:411828 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3·
GQ035708.1 gg_id:414230 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu3
GQ081341.1 gg_id:376548 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ025281.1 gg_id:434183 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058767.1 gg_id:400309 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ025719.1 gg_id:449080 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ017162.1 gg_id:492505 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
EU382221.1 gg_id:273606 Geobacillus stearothermophilus str. 10-4
GQ025468.1 gg_id:456129 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ003596.1 gg_id:506066 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbu54h
GQ058573.1 gg_id:370643 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ054444.1 gg_id:449634 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu57
GQ022470.1 gg_id:487199 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31

GQ025701.1	403987	4332.2	3935.8	2481.4	5049.6	3423.1	2595.3
GQ001898.1	507764	9206.8	8828.2	8307.8	5421.5	5760.7	5428.0
GQ053848.1	456146	6116.2	7597.8	4694.9	6416.4	10785.0	7483.3
GQ086782.1	447446	3303.8	3151.3	3624.3	6961.1	733.0	2115.1
GQ017272.1	492394	2103.4	2490.9	1014.6	1592.1	2254.2	1907.0
GQ107868.1	442915	2570.0	1875.8	2753.2	3288.7	244.7	874.2
GQ112009.1	413521	5998.4	4305.8	3224.9	680.7	268.0	1050.7
GQ042149.1	391556	8762.2	10001.2	4815.0	6489.4	12156.1	7025.4
GQ001867.1	507795	901.9	620.4	1980.9	377.1	115.7	1141.3
GQ053154.1	417106	5804.3	7225.8	4385.2	3728.9	8481.4	6463.7
GQ025420.1	434791	2140.3	3077.9	1557.1	1278.7	2006.0	2107.3
GQ025258.1	421569	2727.3	2103.7	1347.4	2851.8	81.2	256.9
GQ002252.1	507410	3006.4	3505.1	3608.1	2751.0	4955.9	3362.4
GQ058706.1	461823	1776.5	2557.3	1105.8	1251.3	2073.8	1985.7
X75943.1	14891	113.6	138.5	287.8	130.7	104.9	545.8
GQ055027.1	456272	589.4	941.9	561.1	191.0	64.2	381.7
GQ002013.1	507649	2004.7	2349.9	1132.1	411.2	138.3	750.3
GQ110105.1	447181	11560.6	11331.7	8367.9	10227.3	9056.0	7612.8
GQ089395.1	452131	9043.0	10288.7	4142.5	6583.7	9025.5	7056.8
GQ073987.1	435601	10805.0	11528.5	12482.6	9897.2	9561.3	9492.4
GQ047517.1	417783	4544.9	5199.2	3161.5	2492.3	3808.8	3391.6
GQ025752.1	435347	1385.6	1902.3	2526.3	858.3	6720.8	4085.4
GQ025251.1	456107	3226.5	3299.4	2389.4	2243.1	208.9	553.1
GQ001884.1	507777	1267.2	1961.4	994.0	785.8	1446.1	1668.6
GQ079879.1	372232	1384.3	1239.4	927.8	1430.0	292.6	325.9
GQ053253.1	444491	5493.7	5498.4	2291.2	6329.5	9573.1	6611.4
GQ103694.1	436828	526.3	880.1	899.1	523.4	3108.2	1800.6
GQ025308.1	449948	1018.6	1185.0	223.4	164.4	90.5	195.8
GQ086780.1	411828	2513.3	2047.2	1540.1	2939.3	656.6	770.2
GQ035708.1	414230	865.1	1030.2	640.4	281.7	150.2	435.5
GQ081341.1	376548	1469.7	1887.0	1080.6	813.2	979.7	1189.6
GQ025281.1	434183	2401.8	3477.8	2047.0	1450.3	2381.6	2474.1
GQ058767.1	400309	1443.0	1148.9	693.4	1315.5	250.0	255.5
GQ025719.1	449080	1077.0	2269.4	2122.4	383.6	313.0	1374.1
GQ017162.1	492505	54.6	128.3	113.7	99.7	59.1	201.8
EU382221.1	273606	1864.0	1504.0	2953.5	4298.4	1282.0	2660.1
GQ025468.1	456129	16571.4	16801.1	12997.6	13485.8	15434.4	14070.4
GQ003596.1	506066	1346.0	2293.7	1647.5	991.8	1480.0	1687.3
GQ058573.1	370643	2319.8	2859.5	1242.0	1105.2	355.7	1086.6
GQ054444.1	449634	3513.8	5352.8	5852.0	4676.3	302.7	1742.4
GQ022470.1	487199	4785.8	4815.6	1406.3	1934.8	191.0	1358.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	46559
s__Staphylococcus epidermidis	46562
s__Staphylococcus epidermidis	46567
s__Staphylococcus epidermidis	46568
s__Staphylococcus epidermidis	46571
s__Staphylococcus epidermidis	46576
s__Staphylococcus epidermidis	46578
s__Staphylococcus epidermidis	46579
s__Staphylococcus epidermidis	46585
s__Staphylococcus epidermidis	46586
s__Staphylococcus epidermidis	46607
s__Staphylococcus epidermidis	46611
s__Staphylococcus epidermidis	46612
s__Staphylococcus epidermidis	46624
s__Staphylococcus epidermidis	46625
s__Staphylococcus epidermidis	46629
s__Staphylococcus epidermidis	46630
s__Staphylococcus epidermidis	46650
s__Staphylococcus epidermidis	46654
s__Staphylococcus epidermidis	46657
s__Staphylococcus epidermidis	46667
s__Staphylococcus epidermidis	46674
s__Staphylococcus epidermidis	46675
s__Staphylococcus epidermidis	46676
s__Staphylococcus epidermidis	46678
s__Staphylococcus epidermidis	46680
s__Staphylococcus epidermidis	46682
s__Staphylococcus epidermidis	46684
s__Staphylococcus epidermidis	46692
s__Staphylococcus epidermidis	46694
s__Staphylococcus epidermidis	46695
s__Staphylococcus epidermidis	46702
s__Staphylococcus epidermidis	46712
s__Staphylococcus epidermidis	46714
s__Staphylococcus epidermidis	46717
s__Staphylococcus epidermidis	46718
s__Staphylococcus epidermidis	46724
s__Staphylococcus epidermidis	46729
s__Staphylococcus epidermidis	46752
s__Staphylococcus epidermidis	46753
s__Staphylococcus epidermidis	46764

GQ022328.1 gg_id:487343 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ022422.1 gg_id:487248 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
EU379309.1 gg_id:259234 Staphylococcus epidermidis str. 7N-1a
GQ039987.1 gg_id:412005 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002063.1 gg_id:507600 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ054854.1 gg_id:440421 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw110
GQ050463.1 gg_id:393135 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbu486b
GQ042196.1 gg_id:430355 Topographical and Temporal Human Skin Microbiome skin nare clone nbw937d07c1
GQ099766.1 gg_id:417413 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw473
EU379246.1 gg_id:261933 Staphylococcus epidermidis str. 1RN-2A1
GQ058303.1 gg_id:438352 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ025692.1 gg_id:450318 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025413.1 gg_id:393473 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ040787.1 gg_id:459778 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw958f07c
GQ022509.1 gg_id:487161 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ000724.1 gg_id:469290 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ089528.1 gg_id:397812 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ073951.1 gg_id:406992 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ089614.1 gg_id:440444 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ053687.1 gg_id:427594 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ025395.1 gg_id:435545 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ103303.1 gg_id:371911 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw698g02
GQ000385.1 gg_id:468950 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu11
GQ025442.1 gg_id:391899 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ112069.1 gg_id:455296 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw583
GQ025702.1 gg_id:454290 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002194.1 gg_id:507468 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ047406.1 gg_id:454469 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ056949.1 gg_id:416274 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1038g
GQ025325.1 gg_id:416996 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ108680.1 gg_id:446239 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ047612.1 gg_id:438914 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ058214.1 gg_id:376750 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbu
GQ042092.1 gg_id:372561 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw936
GQ073865.1 gg_id:404851 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
AE015929.1 gg_id:146872 Staphylococcus epidermidis str. ATCC 12228
GQ110220.1 gg_id:374978 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ047495.1 gg_id:432278 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ053781.1 gg_id:444820 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ092920.1 gg_id:426807 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ054387.1 gg_id:461609 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv

GQ022328.1	487343	201.4	441.1	456.5	104.4	369.8	237.2
GQ022422.1	487248	2877.4	3029.8	3203.6	3404.6	4014.1	3566.4
EU379309.1	259234	3785.8	6438.0	2443.7	2767.3	2055.9	2576.3
GQ039987.1	412005	279.4	267.0	88.7	73.3	72.5	191.8
GQ002063.1	507600	1624.7	2504.6	1440.3	916.3	1411.2	1719.6
GQ054854.1	440421	9422.5	8803.7	4633.0	9460.3	6930.0	5548.9
GQ050463.1	393135	9119.5	9372.6	7142.3	10040.2	10053.0	11968.2
GQ042196.1	430355	1036.2	732.4	1258.8	875.3	115.6	952.9
GQ099766.1	417413	2907.9	4353.4	2321.3	1962.8	2513.5	1214.7
EU379246.1	261933	2328.6	2643.1	920.7	1850.6	1144.2	1280.2
GQ058303.1	438352	673.2	814.4	333.6	594.1	745.7	775.9
GQ025692.1	450318	1777.4	2570.6	1109.1	1175.7	2080.4	2092.6
GQ025413.1	393473	15614.7	9945.5	10927.0	12806.4	10951.5	10656.7
GQ040787.1	459778	3232.3	2470.9	2367.6	3396.7	582.8	1009.1
GQ022509.1	487161	5252.0	4733.6	4257.8	5250.3	3644.3	2992.3
GQ000724.1	469290	11613.9	10654.2	5536.7	11428.6	15606.8	13229.3
GQ089528.1	397812	2216.4	1443.3	1758.0	1024.3	374.4	751.5
GQ073951.1	406992	5344.7	4648.6	2088.7	5708.4	6055.6	5057.1
GQ089614.1	440444	7938.5	7405.0	5627.4	8513.6	5420.4	4322.1
GQ053687.1	427594	870.4	584.5	562.1	747.1	112.4	330.8
GQ025395.1	435545	2891.5	3067.1	2835.7	1424.8	1220.2	1427.9
GQ103303.1	371911	7164.1	6381.8	5383.4	7270.0	4174.9	5331.1
GQ000385.1	468950	2164.9	3199.7	1719.6	1443.0	2110.5	2108.4
GQ025442.1	391899	13793.5	13574.0	8146.3	8773.5	9622.7	9228.6
GQ112069.1	455296	13762.3	13773.2	7013.4	11659.2	9722.8	8946.7
GQ025702.1	454290	7523.0	9074.5	6699.3	6946.7	10525.5	6980.4
GQ002194.1	507468	981.8	1113.2	290.8	573.8	745.5	772.7
GQ047406.1	454469	2337.9	3153.9	1626.0	2369.0	3153.0	3544.2
GQ056949.1	416274	14198.4	13090.7	9381.9	15244.8	16289.6	14123.0
GQ025325.1	416996	3617.4	2256.5	2950.0	3716.4	1313.3	4031.0
GQ108680.1	446239	2641.7	2981.0	2790.9	3012.4	1655.3	1602.7
GQ047612.1	438914	2018.4	1666.0	799.3	1782.4	901.4	741.3
GQ058214.1	376750	2932.9	2979.9	1678.3	1157.3	151.2	832.5
GQ042092.1	372561	3462.2	3778.1	2981.6	2196.7	4712.8	2961.6
GQ073865.1	404851	5103.0	2957.1	2569.5	4308.7	973.5	2040.2
AE015929.1	146872	129.8	161.0	120.0	85.4	87.7	391.6
GQ110220.1	374978	1957.4	2915.6	1723.7	1445.3	2134.0	2124.7
GQ047495.1	432278	3363.5	3518.1	1815.1	2056.8	2555.6	1488.1
GQ053781.1	444820	1904.4	2650.9	1118.1	1270.1	2107.4	2116.1
GQ092920.1	426807	982.2	638.3	706.6	801.0	123.1	223.9
GQ054387.1	461609	5264.5	3931.2	7798.0	9735.6	3722.0	4741.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	46771
s__Staphylococcus epidermidis	46772
s__Staphylococcus epidermidis	46774
s__Staphylococcus epidermidis	46779
s__Staphylococcus epidermidis	46783
s__Staphylococcus epidermidis	46785
s__Staphylococcus epidermidis	46786
s__Staphylococcus epidermidis	46791
s__Staphylococcus epidermidis	46794
s__Staphylococcus epidermidis	46799
s__Staphylococcus epidermidis	46805
s__Staphylococcus epidermidis	46808
s__Staphylococcus epidermidis	46810
s__Staphylococcus epidermidis	46819
s__Staphylococcus epidermidis	46824
s__Staphylococcus epidermidis	46826
s__Staphylococcus epidermidis	46834
s__Staphylococcus epidermidis	46840
s__Staphylococcus epidermidis	46843
s__Staphylococcus epidermidis	46847
s__Staphylococcus epidermidis	46858
s__Staphylococcus epidermidis	46859
s__Staphylococcus epidermidis	46867
s__Staphylococcus epidermidis	46869
s__Staphylococcus epidermidis	46880
s__Staphylococcus epidermidis	46881
s__Staphylococcus epidermidis	46886
s__Staphylococcus epidermidis	46888
s__Staphylococcus epidermidis	46898
s__Staphylococcus epidermidis	46906
s__Staphylococcus epidermidis	46909
s__Staphylococcus epidermidis	46910
s__Staphylococcus epidermidis	46911
s__Staphylococcus epidermidis	46912
s__Staphylococcus epidermidis	46913
s__Staphylococcus epidermidis	46934
s__Staphylococcus epidermidis	46937
s__Staphylococcus epidermidis	46940
s__Staphylococcus epidermidis	46943
s__Staphylococcus epidermidis	46955
s__Staphylococcus epidermidis	46975

GQ022324.1 gg_id:487345 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ047423.1 gg_id:449329 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ023121.1 gg_id:486548 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu3(
GQ054876.1 gg_id:389232 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw11(
GQ078562.1 gg_id:450683 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ022607.1 gg_id:487062 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ058621.1 gg_id:468256 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ112203.1 gg_id:463507 Topographical and Temporal Human Skin Microbiome skin nare clone nbw585g11c1
GQ046907.1 gg_id:457352 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ042352.1 gg_id:373938 Topographical and Temporal Human Skin Microbiome skin nare clone nbw939c09c1
GQ058537.1 gg_id:376690 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ047361.1 gg_id:411573 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ053091.1 gg_id:439727 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ065123.1 gg_id:372056 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw83b09
GQ022491.1 gg_id:487178 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ055178.1 gg_id:379245 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ053179.1 gg_id:466693 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ054438.1 gg_id:444458 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu57
GQ104085.1 gg_id:439559 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw562h0
AY699287.1 gg_id:102472 Staphylococcus epidermidis M99
GQ042248.1 gg_id:405134 Topographical and Temporal Human Skin Microbiome skin nare clone nbw938a05c1
GQ112815.1 gg_id:454518 Topographical and Temporal Human Skin Microbiome skin nare clone nbw588f04c1
GQ042739.1 gg_id:397703 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ074083.1 gg_id:435778 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ107912.1 gg_id:410783 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw556b0
GQ022527.1 gg_id:487138 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ099879.1 gg_id:418048 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw475
GQ061292.1 gg_id:377184 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ055303.1 gg_id:439960 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1113e(
GQ047350.1 gg_id:446068 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ019333.1 gg_id:490336 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058749.1 gg_id:456837 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ107618.1 gg_id:430456 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw551f06
GQ086846.1 gg_id:433163 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
AE015929.1 gg_id:146882 Staphylococcus epidermidis str. ATCC 12228
GQ073870.1 gg_id:455859 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ099418.1 gg_id:438565 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw51
GQ039665.1 gg_id:377224 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu425h07
GQ002159.1 gg_id:507503 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1(
EU513396.1 gg_id:267848 Staphylococcus epidermidis str. TMPSB-D10
GQ104142.1 gg_id:440730 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw563g1(

GQ022324.1	487345	8314.6	8397.5	5049.7	8331.2	10373.5	6952.1
GQ047423.1	449329	910.8	649.2	702.2	810.0	108.1	336.5
GQ023121.1	486548	1701.9	1985.6	1888.5	2399.6	473.8	578.1
GQ054876.1	389232	3682.7	2870.3	1062.4	2633.9	695.8	3610.4
GQ078562.1	450683	5674.4	5273.2	5839.1	5508.2	4465.7	4542.5
GQ022607.1	487062	15443.6	13106.5	8561.2	14093.3	15974.8	13052.5
GQ058621.1	468256	6189.0	6504.2	2923.4	8124.7	9161.2	5960.5
GQ112203.1	463507	6666.8	5067.9	4792.7	5244.5	5577.5	5129.0
GQ046907.1	457352	4645.7	3310.0	1352.7	1176.6	352.0	1372.1
GQ042352.1	373938	9207.9	9492.6	5109.4	2375.2	3471.0	3528.4
GQ058537.1	376690	1538.3	1213.5	846.4	1513.2	243.0	274.5
GQ047361.1	411573	6542.3	5683.1	8346.3	6156.7	4234.6	4278.5
GQ053091.1	439727	6807.3	7406.2	5658.8	7381.8	8591.7	7184.0
GQ065123.1	372056	3108.0	5121.8	3384.3	3129.8	7870.9	4583.2
GQ022491.1	487178	13682.5	16821.7	8553.4	11343.7	15437.8	12443.0
GQ055178.1	379245	3480.9	3632.1	1685.9	1663.2	883.4	1305.4
GQ053179.1	466693	1098.0	1272.8	391.5	573.8	880.2	692.2
GQ054438.1	444458	1446.7	1316.6	1203.0	1277.8	774.3	1359.9
GQ104085.1	439559	594.0	464.0	669.4	1354.8	132.9	235.0
AY699287.1	102472	6431.8	5909.9	4644.4	9949.8	5219.4	8129.6
GQ042248.1	405134	2168.6	2797.5	1744.0	2385.9	2004.5	2115.9
GQ112815.1	454518	8283.9	8115.6	8170.3	6356.4	5681.7	5760.8
GQ042739.1	397703	3550.5	3581.7	3404.5	7002.7	1106.0	1381.0
GQ074083.1	435778	1629.1	2390.3	963.4	1171.0	1942.5	1969.2
GQ107912.1	410783	2534.6	1602.0	1829.3	4623.5	222.4	846.9
GQ022527.1	487138	2044.1	1854.0	3092.8	4115.2	1070.8	2061.1
GQ099879.1	418048	8866.1	6353.3	5177.2	2147.0	205.3	1479.8
GQ061292.1	377184	923.4	763.4	798.6	1285.8	250.7	372.0
GQ055303.1	439960	6043.7	5307.8	6860.1	5400.2	6741.8	7856.5
GQ047350.1	446068	4261.9	2772.1	4204.4	6761.3	313.6	3286.9
GQ019333.1	490336	13526.8	13410.3	8087.3	12330.1	11663.0	10356.6
GQ058749.1	456837	5677.4	4542.0	2262.7	6334.7	6748.5	6764.6
GQ107618.1	430456	1066.8	906.6	802.9	1850.1	344.3	881.8
GQ086846.1	433163	10007.9	8198.6	3587.5	6423.1	2702.6	4832.0
AE015929.1	146882	5460.2	5110.0	3474.5	1296.9	892.8	1962.9
GQ073870.1	455859	2470.8	3171.9	1781.4	2580.7	3425.7	2102.0
GQ099418.1	438565	4255.9	4914.5	4660.5	5915.4	2546.9	4030.7
GQ039665.1	377224	1027.6	964.6	1162.3	232.2	60.3	309.7
GQ002159.1	507503	8675.2	6607.0	3809.7	1029.4	232.5	1553.7
EU513396.1	267848	3499.5	3870.1	892.5	3390.2	2013.1	2214.7
GQ104142.1	440730	3264.6	2896.5	2619.3	5714.1	1634.3	4013.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	46979
s__Staphylococcus epidermidis	46986
s__Staphylococcus epidermidis	46994
s__Staphylococcus epidermidis	46995
s__Staphylococcus epidermidis	46996
s__Staphylococcus epidermidis	46998
s__Staphylococcus epidermidis	46999
s__Staphylococcus epidermidis	47009
s__Staphylococcus epidermidis	47012
s__Staphylococcus epidermidis	47022
s__Staphylococcus epidermidis	47029
s__Staphylococcus epidermidis	47034
s__Staphylococcus epidermidis	47038
s__Staphylococcus epidermidis	47043
s__Staphylococcus epidermidis	47053
s__Staphylococcus epidermidis	47061
s__Staphylococcus epidermidis	47063
s__Staphylococcus epidermidis	47067
s__Staphylococcus epidermidis	47079
s__Staphylococcus epidermidis	47085
s__Staphylococcus epidermidis	47100
s__Staphylococcus epidermidis	47102
s__Staphylococcus epidermidis	47103
s__Staphylococcus epidermidis	47107
s__Staphylococcus epidermidis	47109
s__Staphylococcus epidermidis	47119
s__Staphylococcus epidermidis	47123
s__Staphylococcus epidermidis	47128
s__Staphylococcus epidermidis	47130
s__Staphylococcus epidermidis	47131
s__Staphylococcus epidermidis	47137
s__Staphylococcus epidermidis	47146
s__Staphylococcus epidermidis	47154
s__Staphylococcus epidermidis	47155
s__Staphylococcus epidermidis	47157
s__Staphylococcus epidermidis	47172
s__Staphylococcus epidermidis	47173
s__Staphylococcus epidermidis	47176
s__Staphylococcus epidermidis	47177
s__Staphylococcus epidermidis	47183
s__Staphylococcus epidermidis	47200

GQ073868.1 gg_id:425799 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ035765.1 gg_id:439551 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu3
GQ048170.1 gg_id:396946 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbu
GQ022357.1 gg_id:487312 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ058729.1 gg_id:371854 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
GQ051853.1 gg_id:466486 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ001978.1 gg_id:507683 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ002176.1 gg_id:507486 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ002137.1 gg_id:507524 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ042828.1 gg_id:461482 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ086838.1 gg_id:383293 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ070279.1 gg_id:427995 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ041602.1 gg_id:450674 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw930b0
GQ056340.1 gg_id:388167 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002202.1 gg_id:507460 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ054389.1 gg_id:371455 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ073830.1 gg_id:442118 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ040050.1 gg_id:404290 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw94
GQ107689.1 gg_id:439949 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw552f02
GQ002107.1 gg_id:507555 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
EU861981.1 gg_id:330001 Staphylococcus capitis str. ICIRC102
GQ056365.1 gg_id:409693 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ021844.1 gg_id:487826 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ003694.1 gg_id:505968 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbu56b
GQ001372.1 gg_id:508290 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu17
GQ074028.1 gg_id:384100 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ026318.1 gg_id:433852 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ002163.1 gg_id:507499 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ055561.1 gg_id:416503 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1117d0
GQ035548.1 gg_id:374977 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu3
GQ002023.1 gg_id:507641 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ051876.1 gg_id:420220 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
AJ880759.1 gg_id:112576 Staphylococcus epidermidis SLF1
GQ065910.1 gg_id:468242 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94d05c
GQ025427.1 gg_id:442395 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ075863.1 gg_id:443283 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ083870.1 gg_id:467583 Topographical and Temporal Human Skin Microbiome skin nare clone nbw254h04c1
GQ025246.1 gg_id:406542 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ022365.1 gg_id:487304 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ051708.1 gg_id:433689 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ058361.1 gg_id:381757 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1

GQ073868.1	425799	2695.7	1823.6	2105.1	3035.0	266.5	496.2
GQ035765.1	439551	7712.5	5359.1	2965.2	1360.8	259.2	1773.0
GQ048170.1	396946	539.9	1364.1	1608.2	801.5	70.5	158.5
GQ022357.1	487312	4490.7	3573.8	3192.4	7742.3	2029.0	1615.7
GQ058729.1	371854	12085.9	13432.2	10168.9	10304.9	11255.3	10915.0
GQ051853.1	466486	5817.1	4711.7	2789.2	854.2	272.2	1226.4
GQ001978.1	507683	1011.4	1195.2	376.8	568.7	855.7	774.4
GQ002176.1	507486	8454.3	7838.1	1873.0	5279.5	1320.4	854.2
GQ002137.1	507524	3181.0	4843.3	2872.0	2111.5	2636.9	3537.4
GQ042828.1	461482	6006.7	7283.0	4258.7	6803.4	8174.6	5932.4
GQ086838.1	383293	2889.5	3357.8	2142.0	2877.4	4227.4	2083.8
GQ070279.1	427995	5347.6	4095.8	2470.8	1934.1	223.7	1028.8
GQ041602.1	450674	13180.8	12607.9	8730.2	10641.0	8548.7	9958.8
GQ056340.1	388167	4270.9	3285.3	1671.7	6347.5	4892.8	4930.3
GQ002202.1	507460	10773.4	9905.1	6488.6	12165.3	13808.3	12090.2
GQ054389.1	371455	3923.9	4570.1	2761.1	2815.9	1815.0	2471.0
GQ073830.1	442118	4062.7	3678.6	1604.1	5438.9	1233.8	1304.9
GQ040050.1	404290	8363.6	9743.3	5761.1	7697.4	8344.9	7998.3
GQ107689.1	439949	3278.0	6762.8	3385.2	4621.0	8836.8	7783.1
GQ002107.1	507555	10238.6	10459.0	7354.3	7996.1	7446.3	8106.4
EU861981.1	330001	224.9	1058.7	3101.6	515.4	2007.7	2281.3
GQ056365.1	409693	5468.5	9991.6	5551.7	8629.8	11711.7	7113.8
GQ021844.1	487826	18065.5	18027.9	15072.0	13061.1	12521.2	12282.5
GQ003694.1	505968	12759.5	12089.2	10324.1	10897.3	8492.3	9141.0
GQ001372.1	508290	2127.6	1515.5	845.1	417.6	98.4	410.3
GQ074028.1	384100	11961.4	13806.1	5577.4	1896.9	750.4	3560.5
GQ026318.1	433852	18562.7	23626.8	13890.7	18370.5	21586.2	18313.3
GQ002163.1	507499	3725.2	3272.2	2192.0	472.1	110.4	779.3
GQ055561.1	416503	1253.2	1451.1	733.7	526.5	608.9	872.5
GQ035548.1	374977	2666.7	3224.2	2914.1	1857.8	1498.4	1961.8
GQ002023.1	507641	7265.4	6410.7	3677.1	1931.4	1673.7	2354.1
GQ051876.1	420220	9128.4	8439.0	7212.2	4810.9	5476.1	6169.4
AJ880759.1	112576	8510.2	7776.4	5655.4	9415.3	4502.6	4673.3
GQ065910.1	468242	2413.0	3047.1	3726.4	2522.5	541.7	1037.2
GQ025427.1	442395	923.7	836.8	94.0	99.7	79.3	144.8
GQ075863.1	443283	6018.0	7550.9	4780.3	4153.1	6926.8	4872.8
GQ083870.1	467583	12480.8	13844.7	6767.1	6149.0	4100.8	8236.7
GQ025246.1	406542	1346.9	2307.0	1650.9	933.4	1486.7	1794.2
GQ022365.1	487304	2261.3	2040.4	1477.7	2959.9	1234.7	1517.9
GQ051708.1	433689	7129.3	5619.9	5276.2	6824.7	6569.1	6245.6
GQ058361.1	381757	2949.6	2988.7	1573.6	1157.3	151.9	818.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	47201
s__Staphylococcus epidermidis	47224
s__Staphylococcus epidermidis	47225
s__Staphylococcus epidermidis	47256
s__Staphylococcus epidermidis	47258
s__Staphylococcus epidermidis	47263
s__Staphylococcus epidermidis	47264
s__Staphylococcus epidermidis	47269
s__Staphylococcus epidermidis	47272
s__Staphylococcus epidermidis	47276
s__Staphylococcus epidermidis	47279
s__Staphylococcus epidermidis	47288
s__Staphylococcus epidermidis	47302
s__Staphylococcus epidermidis	47303
s__Staphylococcus epidermidis	47306
s__Staphylococcus epidermidis	47309
s__Staphylococcus epidermidis	47312
s__Staphylococcus epidermidis	47313
s__Staphylococcus epidermidis	47314
s__Staphylococcus epidermidis	47320
s__Staphylococcus epidermidis	47322
s__Staphylococcus epidermidis	47328
s__Staphylococcus epidermidis	47331
s__Staphylococcus epidermidis	47333
s__Staphylococcus epidermidis	47341
s__Staphylococcus epidermidis	47345
s__Staphylococcus epidermidis	47349
s__Staphylococcus epidermidis	47355
s__Staphylococcus epidermidis	47361
s__Staphylococcus epidermidis	47362
s__Staphylococcus epidermidis	47369
s__Staphylococcus epidermidis	47376
s__Staphylococcus epidermidis	47380
s__Staphylococcus epidermidis	47383
s__Staphylococcus epidermidis	47387
s__Staphylococcus epidermidis	47389
s__Staphylococcus epidermidis	47396
s__Staphylococcus epidermidis	47416
s__Staphylococcus epidermidis	47419
s__Staphylococcus epidermidis	47420
s__Staphylococcus epidermidis	47423

GQ042565.1 gg_id:376784 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ058431.1 gg_id:373779 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ043102.1 gg_id:411286 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1013c
GQ042313.1 gg_id:415016 Topographical and Temporal Human Skin Microbiome skin nare clone nbw938g11c1
GQ089500.1 gg_id:455097 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ002279.1 gg_id:507381 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1
GQ058375.1 gg_id:415610 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ089636.1 gg_id:417076 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ039811.1 gg_id:421431 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ056415.1 gg_id:450515 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
EU021221.2 gg_id:258133 Staphylococcus epidermidis str. AT2
GQ107578.1 gg_id:461095 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw550h0
GQ073468.1 gg_id:462627 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ050507.1 gg_id:379455 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbu486f
EU834240.1 gg_id:316881 Staphylococcus epidermidis str. DS09
GQ109811.1 gg_id:426742 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ103316.1 gg_id:371098 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw698h0
GQ087103.1 gg_id:410429 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ051810.1 gg_id:394392 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ089406.1 gg_id:446805 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ109411.1 gg_id:437592 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ053170.1 gg_id:376309 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ041892.1 gg_id:450714 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw93
GQ048856.1 gg_id:424817 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu5
GQ099546.1 gg_id:434639 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw51
CP000029.1 gg_id:151982 Staphylococcus epidermidis str. RP62A
GQ025799.1 gg_id:415214 Topographical and Temporal Human Skin Microbiome skin nare clone nbw833c03c1
GQ053825.1 gg_id:467621 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ058444.1 gg_id:423163 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ107448.1 gg_id:452974 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw549a0
GQ103675.1 gg_id:437222 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw699h1
GQ042002.1 gg_id:397126 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ002135.1 gg_id:507527 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1
GQ073826.1 gg_id:382419 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058725.1 gg_id:431474 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
GQ058791.1 gg_id:380540 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
AB305324.1 gg_id:230438 Staphylococcus epidermidis str. DstI-1
GQ053924.1 gg_id:422156 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ042055.1 gg_id:421746 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ021510.1 gg_id:488158 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27
GQ097936.1 gg_id:398074 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw399d0

GQ042565.1	376784	5660.0	6370.0	4637.5	4617.9	4267.1	5971.6
GQ058431.1	373779	3001.0	2263.4	2543.4	2190.8	988.6	3571.4
GQ043102.1	411286	837.1	1018.6	371.7	146.6	103.2	480.9
GQ042313.1	415016	5894.3	2960.7	1821.9	911.3	166.6	450.7
GQ089500.1	455097	18074.3	18445.4	14245.3	15851.5	18184.4	16208.1
GQ002279.1	507381	250.1	161.7	741.0	125.0	78.9	390.3
GQ058375.1	415610	4236.9	6528.6	2258.7	3226.0	12336.5	7364.1
GQ089636.1	417076	2318.9	2188.3	1377.7	1399.2	625.5	1370.5
GQ039811.1	421431	9052.9	8651.5	5473.4	6547.3	5384.2	4373.0
GQ056415.1	450515	10879.3	9853.1	3942.2	8792.8	12901.3	11115.8
EU021221.2	258133	4076.2	3715.9	2254.6	7765.1	391.9	1470.1
GQ107578.1	461095	3937.1	4857.4	3411.1	2489.0	4880.6	3420.4
GQ073468.1	462627	4212.2	3834.4	1739.2	7133.0	1634.0	1572.5
GQ050507.1	379455	203.6	360.3	783.6	751.8	82.9	167.4
EU834240.1	316881	228.1	339.7	227.9	92.9	93.2	570.8
GQ109811.1	426742	7281.0	10051.9	4822.8	9161.4	12359.6	9195.2
GQ103316.1	371098	2872.5	1924.5	1275.5	1976.4	1286.6	2400.3
GQ087103.1	410429	10752.3	10655.3	5765.8	9618.4	10906.4	10217.2
GQ051810.1	394392	9291.2	8368.8	7408.7	8134.8	9545.6	8555.3
GQ089406.1	446805	1211.8	1698.6	822.3	372.9	258.8	523.9
GQ109411.1	437592	8304.3	6821.6	3073.1	9812.4	10230.9	9155.3
GQ053170.1	376309	2673.3	2154.0	974.0	918.9	363.1	776.2
GQ041892.1	450714	1343.5	1021.1	1178.7	1305.6	695.7	1803.6
GQ048856.1	424817	15487.8	12706.0	10466.2	10054.8	7250.9	8326.8
GQ099546.1	434639	20005.1	22014.4	20139.5	16600.1	17531.5	16158.8
CP000029.1	151982	394.9	444.1	197.3	117.8	107.2	447.2
GQ025799.1	415214	6299.2	5644.3	3491.9	6713.7	5258.0	4220.4
GQ053825.1	467621	4932.0	3457.6	1522.9	4337.7	631.1	1249.2
GQ058444.1	423163	1370.2	1755.7	905.9	765.4	782.2	895.4
GQ107448.1	452974	914.6	1273.9	815.1	1487.8	169.2	1152.4
GQ103675.1	437222	5025.7	5891.0	4686.9	4110.3	13378.3	8391.6
GQ042002.1	397126	10318.4	8198.0	7990.9	2380.5	8284.3	5671.2
GQ002135.1	507527	12428.7	15736.6	8570.8	10991.2	14444.1	11251.6
GQ073826.1	382419	5158.6	2878.5	3986.1	8878.0	1307.6	2812.1
GQ058725.1	431474	3603.3	4276.8	4882.6	3176.0	4845.1	3460.4
GQ058791.1	380540	1786.9	1484.4	1340.7	2469.6	410.6	286.2
AB305324.1	230438	1090.1	1391.5	1283.0	671.7	3531.4	2597.2
GQ053924.1	422156	9983.4	10299.6	10228.2	9812.7	8305.5	6968.3
GQ042055.1	421746	1841.9	2143.8	2113.7	663.8	898.2	1709.3
GQ021510.1	488158	2063.0	2470.2	1734.4	1507.9	910.4	1286.2
GQ097936.1	398074	12117.1	13319.7	18954.5	9948.7	10981.2	9906.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	47424
s__Staphylococcus epidermidis	47425
s__Staphylococcus epidermidis	47428
s__Staphylococcus epidermidis	47431
s__Staphylococcus epidermidis	47436
s__Staphylococcus epidermidis	47440
s__Staphylococcus epidermidis	47445
s__Staphylococcus epidermidis	47455
s__Staphylococcus epidermidis	47460
s__Staphylococcus epidermidis	47462
s__Staphylococcus epidermidis	47475
s__Staphylococcus epidermidis	47478
s__Staphylococcus epidermidis	47481
s__Staphylococcus epidermidis	47487
s__Staphylococcus epidermidis	47503
s__Staphylococcus epidermidis	47506
s__Staphylococcus epidermidis	47509
s__Staphylococcus epidermidis	47515
s__Staphylococcus epidermidis	47521
s__Staphylococcus epidermidis	47522
s__Staphylococcus epidermidis	47526
s__Staphylococcus epidermidis	47529
s__Staphylococcus epidermidis	47535
s__Staphylococcus epidermidis	47537
s__Staphylococcus epidermidis	47546
s__Staphylococcus epidermidis	47548
s__Staphylococcus epidermidis	47551
s__Staphylococcus epidermidis	47552
s__Staphylococcus epidermidis	47558
s__Staphylococcus epidermidis	47562
s__Staphylococcus epidermidis	47564
s__Staphylococcus epidermidis	47571
s__Staphylococcus epidermidis	47609
s__Staphylococcus epidermidis	47611
s__Staphylococcus epidermidis	47613
s__Staphylococcus epidermidis	47615
s__Staphylococcus epidermidis	47616
s__Staphylococcus epidermidis	47620
s__Staphylococcus epidermidis	47621
s__Staphylococcus epidermidis	47624
s__Staphylococcus epidermidis	47633

EU861985.1 gg_id:354005 Staphylococcus epidermidis str. ICIRC144
GQ002215.1 gg_id:507447 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1
GQ049383.1 gg_id:414156 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ022446.1 gg_id:487223 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ041833.1 gg_id:377014 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw93
GQ058471.1 gg_id:394173 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ041351.1 gg_id:427030 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl
GQ035714.1 gg_id:397771 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu
GQ043182.1 gg_id:413377 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl
GQ110699.1 gg_id:407697 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ046481.1 gg_id:449865 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ058580.1 gg_id:423641 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ078629.1 gg_id:386858 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ053223.1 gg_id:435986 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ111101.1 gg_id:418159 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
NC_002976.3 gg_id:141180 Staphylococcus epidermidis str. RP62A
GQ058747.1 gg_id:392567 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ051898.1 gg_id:396107 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ048451.1 gg_id:405849 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu51
GQ030782.1 gg_id:430746 Topographical and Temporal Human Skin Microbiome skin palm clone nbw882h08c
GQ111223.1 gg_id:378574 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ051686.1 gg_id:457299 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ025423.1 gg_id:466499 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clo
GQ056861.1 gg_id:443227 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1037e
GQ041750.1 gg_id:406641 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932a1
GQ073933.1 gg_id:451275 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clo
GQ025699.1 gg_id:466942 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clo
GQ053939.1 gg_id:381461 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ109366.1 gg_id:466006 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ103703.1 gg_id:377796 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw700c0
GQ089568.1 gg_id:381909 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ073755.1 gg_id:396812 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clo
GQ058572.1 gg_id:417729 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ047060.1 gg_id:389877 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ089492.1 gg_id:418506 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ109358.1 gg_id:416321 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ053772.1 gg_id:410695 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ025165.1 gg_id:437240 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ058397.1 gg_id:450540 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ110826.1 gg_id:413128 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ022298.1 gg_id:487372 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31

EU861985.1	354005	1254.9	1200.7	411.0	2074.3	184.8	799.0
GQ002215.1	507447	3330.4	3443.4	1164.1	792.5	519.1	872.4
GQ049383.1	414156	13700.4	11866.4	15017.2	15355.0	10487.2	12145.7
GQ022446.1	487223	2272.0	2898.7	1964.5	2029.3	1862.9	2575.2
GQ041833.1	377014	1283.2	1325.3	894.8	1641.4	637.4	604.2
GQ058471.1	394173	1763.1	2561.9	1098.9	1257.2	2080.0	2090.5
GQ041351.1	427030	2619.0	2668.5	1619.5	1179.2	152.2	822.2
GQ035714.1	397771	2739.7	3560.0	2060.0	2474.7	4524.0	2619.7
GQ043182.1	413377	4947.5	5164.4	4643.1	3339.9	6711.5	4151.2
GQ110699.1	407697	709.5	876.0	417.3	516.5	864.7	753.4
GQ046481.1	449865	1776.8	1839.7	1519.3	1521.3	261.4	924.7
GQ058580.1	423641	1398.8	1826.3	987.4	754.3	889.5	790.0
GQ078629.1	386858	2151.4	3204.4	1714.0	1447.3	2116.7	2213.2
GQ053223.1	435986	2564.8	2845.5	1309.0	3242.8	3318.2	2434.5
GQ111101.1	418159	73.9	87.4	91.2	65.3	50.6	128.5
NC_002976.3	141180	2371.5	2113.1	891.6	3184.0	319.3	924.5
GQ058747.1	392567	6426.7	6037.7	5891.1	7213.0	4591.0	4711.1
GQ051898.1	396107	7664.1	7043.5	5377.3	5576.3	1287.7	3617.7
GQ048451.1	405849	983.3	653.6	710.8	752.1	130.8	347.2
GQ030782.1	430746	5691.6	5766.5	5947.6	4596.6	7772.1	8344.2
GQ111223.1	378574	635.4	1273.5	1181.9	253.4	324.1	768.1
GQ051686.1	457299	3601.3	4403.5	2187.0	2251.3	2858.0	2633.6
GQ025423.1	466499	2152.8	1811.0	2373.7	1504.9	1273.5	967.3
GQ056861.1	443227	2306.5	1825.2	1114.3	2910.8	1465.1	2041.7
GQ041750.1	406641	5392.5	5113.9	3799.0	4037.3	5848.4	3631.4
GQ073933.1	451275	2978.2	2646.4	1649.8	234.6	482.3	1046.1
GQ025699.1	466942	1124.5	1281.0	447.1	130.7	114.5	258.9
GQ053939.1	381461	3479.6	3632.7	1811.1	1548.4	883.1	1321.8
GQ109366.1	466006	2292.8	2672.6	3621.3	1239.1	7632.0	4672.7
GQ103703.1	377796	6092.6	6914.3	2407.5	3679.5	546.2	879.3
GQ089568.1	381909	859.8	1148.5	789.7	293.8	151.6	471.2
GQ073755.1	396812	3097.6	3138.4	3588.0	2478.1	1106.5	1064.5
GQ058572.1	417729	4034.0	4176.2	2846.2	3847.6	3646.9	3918.0
GQ047060.1	389877	2340.8	1658.3	1033.3	2380.2	609.8	859.1
GQ089492.1	418506	2606.4	2871.4	3588.6	3304.8	4061.9	4293.5
GQ109358.1	416321	9190.5	9253.9	5847.5	9178.5	8889.1	8264.6
GQ053772.1	410695	8059.9	6350.4	4875.8	2691.6	2473.5	3277.0
GQ025165.1	437240	2879.7	2926.4	3800.9	4904.1	1849.5	6004.5
GQ058397.1	450540	1347.0	2305.0	1652.0	997.8	1482.9	1794.4
GQ110826.1	413128	8045.4	6944.2	5176.4	8919.8	8275.1	8185.8
GQ022298.1	487372	12701.1	12182.9	8925.2	9456.2	10772.7	10827.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	47650
s__Staphylococcus epidermidis	47652
s__Staphylococcus epidermidis	47655
s__Staphylococcus epidermidis	47656
s__Staphylococcus epidermidis	47660
s__Staphylococcus epidermidis	47666
s__Staphylococcus epidermidis	47668
s__Staphylococcus epidermidis	47672
s__Staphylococcus epidermidis	47680
s__Staphylococcus epidermidis	47684
s__Staphylococcus epidermidis	47694
s__Staphylococcus epidermidis	47697
s__Staphylococcus epidermidis	47702
s__Staphylococcus epidermidis	47715
s__Staphylococcus epidermidis	47724
s__Staphylococcus epidermidis	47734
s__Staphylococcus epidermidis	47741
s__Staphylococcus epidermidis	47756
s__Staphylococcus epidermidis	47761
s__Staphylococcus epidermidis	47782
s__Staphylococcus epidermidis	47788
s__Staphylococcus epidermidis	47789
s__Staphylococcus epidermidis	47790
s__Staphylococcus epidermidis	47791
s__Staphylococcus epidermidis	47792
s__Staphylococcus epidermidis	47800
s__Staphylococcus epidermidis	47803
s__Staphylococcus epidermidis	47806
s__Staphylococcus epidermidis	47819
s__Staphylococcus epidermidis	47822
s__Staphylococcus epidermidis	47832
s__Staphylococcus epidermidis	47840
s__Staphylococcus epidermidis	47844
s__Staphylococcus epidermidis	47848
s__Staphylococcus epidermidis	47853
s__Staphylococcus epidermidis	47854
s__Staphylococcus epidermidis	47855
s__Staphylococcus epidermidis	47869
s__Staphylococcus epidermidis	47870
s__Staphylococcus epidermidis	47872
s__Staphylococcus epidermidis	47878

AM157417.1 gg_id:141356 Staphylococcus epidermidis mother C3
GQ001934.1 gg_id:507733 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ086921.1 gg_id:424429 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3!
GQ022340.1 gg_id:487329 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
EU071606.1 gg_id:238363 Staphylococcus epidermidis str. EHFS2_AU1Hb
GQ001688.1 gg_id:507974 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ109830.1 gg_id:464215 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6!
GQ050929.1 gg_id:440832 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ089634.1 gg_id:384179 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ053105.1 gg_id:432048 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ058829.1 gg_id:446393 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ078826.1 gg_id:370737 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ055001.1 gg_id:394109 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ040635.1 gg_id:454466 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw957a04c
GQ001928.1 gg_id:507732 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ007811.1 gg_id:501854 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ002259.1 gg_id:507403 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ001993.1 gg_id:507669 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ058466.1 gg_id:385688 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ022284.1 gg_id:487386 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ100098.1 gg_id:394279 Topographical and Temporal Human Skin Microbiome skin nare clone nbw477h07c1
GQ047370.1 gg_id:377996 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5C
GQ041942.1 gg_id:425885 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ047608.1 gg_id:438220 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5C
GQ086951.1 gg_id:416127 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3!
GQ078941.1 gg_id:439518 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ039846.1 gg_id:380957 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ002125.1 gg_id:507537 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
GQ053836.1 gg_id:430791 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
EU977732.1 gg_id:548320 Staphylococcus epidermidis str. 2P7AnA
GQ041670.1 gg_id:422044 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw931a0
GQ002149.1 gg_id:507513 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1€
EU071611.1 gg_id:257014 Staphylococcus epidermidis str. EHFS1_S17Hb
GQ104191.1 gg_id:384257 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw564f04
GQ039800.1 gg_id:453985 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ112797.1 gg_id:447053 Topographical and Temporal Human Skin Microbiome skin nare clone nbw588d02c1
GQ112202.1 gg_id:418665 Topographical and Temporal Human Skin Microbiome skin nare clone nbw585g10c1
GQ055911.1 gg_id:375056 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1040d
GQ091533.1 gg_id:409749 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw347d0
GQ107903.1 gg_id:393464 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw555h1
GQ086765.1 gg_id:467724 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3

AM157417.1	141356	243.3	300.1	169.9	82.2	91.2	346.3
GQ001934.1	507733	1993.2	2992.6	1540.1	1349.9	1976.9	2084.2
GQ086921.1	424429	4124.4	3133.2	1018.3	3499.2	503.2	1148.1
GQ022340.1	487329	13391.2	12354.1	8528.9	11159.2	9123.6	10899.4
EU071606.1	238363	235.1	283.5	849.8	206.9	141.5	534.4
GQ001688.1	507974	334.9	472.8	95.6	97.8	87.1	194.8
GQ109830.1	464215	11841.9	11879.3	8308.7	9984.2	8670.7	6993.9
GQ050929.1	440832	2892.0	3063.3	2835.4	1620.8	1213.1	1428.2
GQ089634.1	384179	2135.1	3073.9	1549.3	1358.0	2002.4	2117.3
GQ053105.1	432048	4591.0	4387.0	4591.5	4254.6	4085.6	3368.2
GQ058829.1	446393	1860.4	1617.8	1334.4	2446.3	461.7	598.8
GQ078826.1	370737	1791.8	2046.0	1684.7	1682.9	1092.5	1718.8
GQ055001.1	394109	4897.9	5549.0	4970.4	6691.8	4555.3	4144.3
GQ040635.1	454466	2948.3	2989.2	1690.1	1078.6	151.7	834.9
GQ001928.1	507732	13098.1	8642.2	6217.3	2153.6	998.3	3230.2
GQ007811.1	501854	2168.2	2497.8	1706.2	1353.1	2573.7	1623.5
GQ002259.1	507403	4814.9	4356.2	3124.5	6209.9	4131.9	4320.8
GQ001993.1	507669	3769.0	4213.7	3953.5	3688.1	8441.5	6110.0
GQ058466.1	385688	914.5	1807.9	884.2	867.4	3099.8	1775.1
GQ022284.1	487386	901.1	1659.1	2174.7	477.9	188.4	329.5
GQ100098.1	394279	4968.1	6825.2	3532.3	4393.4	9259.9	5209.4
GQ047370.1	377996	3228.3	2859.0	3432.8	3525.6	2250.0	2362.3
GQ041942.1	425885	3369.7	3755.3	2611.1	2198.0	4704.3	2405.1
GQ047608.1	438220	1189.6	864.9	771.2	1854.4	147.3	370.6
GQ086951.1	416127	6496.8	6684.7	4865.1	5209.2	1146.9	4676.0
GQ078941.1	439518	8357.3	9915.7	9222.6	9146.6	19245.7	14451.1
GQ039846.1	380957	9853.5	9900.2	5425.9	7963.8	9372.2	8451.9
GQ002125.1	507537	9457.4	8151.2	5110.5	1595.7	3038.9	3802.8
GQ053836.1	430791	12831.5	12736.3	13035.6	11561.5	12294.3	11058.5
EU977732.1	548320	1451.8	1348.9	835.7	1313.4	835.5	838.1
GQ041670.1	422044	2713.1	2770.5	1386.1	1071.9	136.1	768.3
GQ002149.1	507513	15114.8	15029.7	10219.0	12648.7	11603.7	10786.9
EU071611.1	257014	2396.9	3473.6	2039.6	1547.5	2377.8	2484.8
GQ104191.1	384257	2114.8	2540.8	1522.7	2424.9	1642.8	2267.8
GQ039800.1	453985	2165.8	3213.0	1724.3	1354.5	2117.0	2215.3
GQ112797.1	447053	2714.3	4292.9	1787.3	2236.4	8453.5	4753.7
GQ112202.1	418665	9452.1	10748.9	4199.5	6995.1	9696.8	7498.0
GQ055911.1	375056	3473.9	3628.3	1801.5	1660.7	878.6	1328.3
GQ091533.1	409749	4219.7	6111.6	2876.0	3649.0	6621.5	4560.5
GQ107903.1	393464	603.8	721.5	291.8	484.8	318.2	753.2
GQ086765.1	467724	10143.5	9491.1	9944.1	10031.4	7387.4	8241.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	47883
s__Staphylococcus epidermidis	47887
s__Staphylococcus epidermidis	47891
s__Staphylococcus epidermidis	47904
s__Staphylococcus epidermidis	47923
s__Staphylococcus epidermidis	47930
s__Staphylococcus epidermidis	47937
s__Staphylococcus epidermidis	47939
s__Staphylococcus epidermidis	47959
s__Staphylococcus epidermidis	47964
s__Staphylococcus epidermidis	47965
s__Staphylococcus epidermidis	47966
s__Staphylococcus epidermidis	47986
s__Staphylococcus epidermidis	47991
s__Staphylococcus epidermidis	47993
s__Staphylococcus epidermidis	48006
s__Staphylococcus epidermidis	48009
s__Staphylococcus epidermidis	48014
s__Staphylococcus epidermidis	48018
s__Staphylococcus epidermidis	48027
s__Staphylococcus epidermidis	48031
s__Staphylococcus epidermidis	48037
s__Staphylococcus epidermidis	48049
s__Staphylococcus epidermidis	48053
s__Staphylococcus epidermidis	48057
s__Staphylococcus epidermidis	48062
s__Staphylococcus epidermidis	48063
s__Staphylococcus epidermidis	48065
s__Staphylococcus epidermidis	48073
s__Staphylococcus epidermidis	48074
s__Staphylococcus epidermidis	48075
s__Staphylococcus epidermidis	48081
s__Staphylococcus epidermidis	48083
s__Staphylococcus epidermidis	48098
s__Staphylococcus epidermidis	48099
s__Staphylococcus epidermidis	48100
s__Staphylococcus epidermidis	48106
s__Staphylococcus epidermidis	48109
s__Staphylococcus epidermidis	48122
s__Staphylococcus epidermidis	48132
s__Staphylococcus epidermidis	48134

GQ107968.1 gg_id:445081 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw556g1(
GQ053467.1 gg_id:467554 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ075319.1 gg_id:412403 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ002065.1 gg_id:507597 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1(
GQ078538.1 gg_id:431787 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ056304.1 gg_id:378894 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
EU379268.1 gg_id:276839 Staphylococcus epidermidis str. 3L-10A
GQ051067.1 gg_id:434140 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ089556.1 gg_id:457827 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ049380.1 gg_id:394059 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ094167.1 gg_id:464884 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw37(
GQ018091.1 gg_id:491577 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ099969.1 gg_id:422058 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw47(
GQ057522.1 gg_id:373817 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ058381.1 gg_id:460846 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
FJ380952.1 gg_id:574348 Staphylococcus epidermidis str. BQEL1-01b
GQ042058.1 gg_id:456762 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ041860.1 gg_id:433330 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw933
GQ054884.1 gg_id:429991 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ055813.1 gg_id:465988 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1120d1
GQ041957.1 gg_id:433674 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ002122.1 gg_id:507540 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1(
GQ041924.1 gg_id:435428 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ056943.1 gg_id:442062 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1038f(
GQ114099.1 gg_id:453084 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ053909.1 gg_id:414912 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ041815.1 gg_id:466105 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw933
GQ073819.1 gg_id:418193 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ025340.1 gg_id:382330 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ113403.1 gg_id:391776 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ073443.1 gg_id:391568 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ039842.1 gg_id:404010 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058882.1 gg_id:454203 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ025377.1 gg_id:417701 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001773.1 gg_id:507889 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1(
GQ054926.1 gg_id:407136 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ053499.1 gg_id:435583 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ041471.1 gg_id:430143 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ021558.1 gg_id:488109 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27
GQ112704.1 gg_id:448993 Topographical and Temporal Human Skin Microbiome skin nare clone nbw586g08c1
GQ056420.1 gg_id:384304 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor

GQ107968.1	445081	1327.0	1204.5	673.3	1676.6	303.9	790.4
GQ053467.1	467554	6017.5	5027.4	4292.6	1950.2	260.1	1132.1
GQ075319.1	412403	5028.9	4643.7	2797.1	4751.1	654.4	1479.3
GQ002065.1	507597	1777.6	2568.6	1110.3	1257.4	2076.7	2092.8
GQ078538.1	431787	3092.5	4496.7	5306.0	3173.6	2660.1	2796.4
GQ056304.1	378894	16204.7	14659.8	13376.4	15412.4	13551.3	14147.6
EU379268.1	276839	4392.0	4157.1	2429.7	8386.1	4558.0	3898.2
GQ051067.1	434140	4042.8	2529.9	1718.9	811.1	155.1	491.5
GQ089556.1	457827	2746.8	3268.0	2404.7	2653.1	1935.9	3131.6
GQ049380.1	394059	6967.9	9464.9	9945.7	5343.2	1811.7	3804.5
GQ094167.1	464884	2776.5	3662.0	2147.6	1558.5	813.4	2327.2
GQ018091.1	491577	797.7	881.4	274.2	129.9	104.7	843.0
GQ099969.1	422058	14422.4	14899.2	8621.5	12965.6	15832.0	13209.7
GQ057522.1	373817	1577.3	1432.1	1392.3	1378.7	843.0	1454.5
GQ058381.1	460846	9631.0	8563.8	7249.7	9128.9	15102.5	12008.4
FJ380952.1	574348	889.5	1230.4	875.7	288.8	261.7	472.9
GQ042058.1	456762	11905.6	11598.5	11823.7	12585.1	11975.9	7774.6
GQ041860.1	433330	15635.7	14276.9	10740.3	10223.5	6021.5	8026.1
GQ054884.1	429991	5034.9	5420.3	1493.3	3416.1	5607.8	3766.3
GQ055813.1	465988	1355.7	1749.0	894.5	765.2	785.5	893.1
GQ041957.1	433674	13582.7	14269.5	10039.6	14244.2	13611.3	12733.6
GQ002122.1	507540	4561.8	4297.8	6544.5	7822.7	2881.9	3062.8
GQ041924.1	435428	3043.1	3029.5	2405.1	1422.6	3939.0	2099.3
GQ056943.1	442062	3926.8	3224.5	1638.2	5782.2	1216.7	1281.4
GQ114099.1	453084	2290.3	1708.7	2141.3	2859.4	89.3	122.6
GQ053909.1	414912	2158.2	2572.9	1502.3	1974.9	1660.7	1894.4
GQ041815.1	466105	2402.0	2011.4	1928.8	4132.6	1225.7	2253.8
GQ073819.1	418193	1096.6	1164.4	108.0	107.3	81.7	179.5
GQ025340.1	382330	5862.0	4834.4	2838.7	4105.7	724.9	1555.4
GQ113403.1	391776	2298.5	2623.6	1671.2	1634.7	3739.5	3483.1
GQ073443.1	391568	13808.5	9762.6	12275.5	9838.3	6580.0	8960.0
GQ039842.1	404010	1662.0	2642.1	1522.8	1338.1	2098.5	2083.8
GQ058882.1	454203	1083.8	761.5	737.2	765.2	168.1	385.5
GQ025377.1	417701	4626.1	3962.2	3795.2	4766.6	1852.0	3619.4
GQ001773.1	507889	3053.5	2023.7	635.9	150.1	128.8	377.9
GQ054926.1	407136	440.1	671.0	362.7	188.0	154.3	340.1
GQ053499.1	435583	10354.5	8860.7	5735.5	9548.4	7607.5	9212.3
GQ041471.1	430143	3732.8	4051.0	3261.8	2201.6	5036.1	3151.3
GQ021558.1	488109	1872.4	1952.7	1390.4	1422.3	890.2	992.4
GQ112704.1	448993	13199.0	9334.5	7020.0	10194.7	3778.9	6006.6
GQ056420.1	384304	7740.4	7368.8	2976.5	9111.5	10710.7	7958.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__Staphylococcus epidermidis	48135
s__Staphylococcus epidermidis	48141
s__Staphylococcus epidermidis	48159
s__Staphylococcus epidermidis	48171
s__Staphylococcus epidermidis	48172
s__Staphylococcus epidermidis	48180
s__Staphylococcus epidermidis	48186
s__Staphylococcus epidermidis	48191
s__Staphylococcus epidermidis	48192
s__Staphylococcus epidermidis	48196
s__Staphylococcus epidermidis	48202
s__Staphylococcus equorum	47244
s__Staphylococcus equorum	47612
s__Staphylococcus haemolyticus	45988
s__Staphylococcus haemolyticus	45994
s__Staphylococcus haemolyticus	46361
s__Staphylococcus haemolyticus	46398
s__Staphylococcus haemolyticus	46706
s__Staphylococcus haemolyticus	47638
s__Staphylococcus haemolyticus	47963
s__Staphylococcus haemolyticus	48089
s__Staphylococcus haemolyticus	48189
s__Staphylococcus hominis	46102
s__Staphylococcus hominis	47669
s__Staphylococcus lugdunensis	47470
s__Staphylococcus pettenkoferi	46119
s__Staphylococcus pettenkoferi	46141
s__Staphylococcus pettenkoferi	47164
s__Staphylococcus pettenkoferi	47561
s__Staphylococcus pseudintermedius	46440
s__Staphylococcus sciuri	46039
s__Staphylococcus sciuri	47000
s__Staphylococcus sciuri	47072
s__Staphylococcus sciuri	47582
s__Staphylococcus sciuri	47644
s__Staphylococcus sciuri	47738
s__Staphylococcus succinus	46862
s__Staphylococcus succinus	47456
s__Staphylococcus vitulinus	46356
s__unclassified	45900
s__unclassified	45902

GQ025376.1 gg_id:424885 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ114233.1 gg_id:453143 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw59
GQ039944.1 gg_id:392066 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ055749.1 gg_id:370903 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1039a
GQ058773.1 gg_id:421285 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ107890.1 gg_id:442266 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw555g0
X68417.1 gg_id:14794 Staphylococcus aureus str. ATCC 12600
AY308046.1 gg_id:89118 Staphylococcus epidermidis str. AZ22L3
GQ073456.1 gg_id:452171 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ081939.1 gg_id:376646 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
X75944.1 gg_id:14817 Staphylococcus epidermidis str. GH 654
EU855190.1 gg_id:346511 Staphylococcus equorum str. CTSP8
EF061907.1 gg_id:181589 Staphylococcus sp. str. M210
GQ304781.1 gg_id:592590 Staphylococcus haemolyticus str. A5
GQ045534.1 gg_id:459324 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
L37600.1 gg_id:14857 Staphylococcus haemolyticus
X86640.1 gg_id:14867 Staphylococcus sp str. 1F-23
FN393802.1 gg_id:575037 Staphylococcus haemolyticus str. ES-263-1
EU071616.1 gg_id:256023 Staphylococcus haemolyticus str. EHFS1_AU1Ha
EU379304.1 gg_id:262934 Staphylococcus haemolyticus str. 6R-J-5
EF522132.1 gg_id:225987 Staphylococcus haemolyticus str. CU37-21
GQ037885.1 gg_id:385469 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
X86636.1 gg_id:14837 Staphylococcus sp str. 1F-09
X86650.1 gg_id:14838 Staphylococcus sp str. S5-96
AY903256.1 gg_id:111564 Staphylococcus lugdunensis str. Inje L2
AF322002.2 gg_id:26685 Staphylococcus pettenkoferi str. B3117
GQ104965.1 gg_id:448537 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ038197.1 gg_id:427149 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ038333.1 gg_id:432252 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
AJ780978.1 gg_id:137754 Staphylococcus pseudintermedius str. LMG 22221
GQ261178.1 gg_id:573127 Staphylococcus sciuri str. YL081101
AY820254.1 gg_id:141666 Staphylococcus sciuri str. SCBM1
AB523707.1 gg_id:471521 Staphylococcus sciuri str. -S05-2
AB212276.1 gg_id:148758 Staphylococcus sciuri
FJ573173.1 gg_id:550011 Staphylococcus sciuri str. E9-3
GU140036.1 gg_id:549509 Staphylococcus sciuri str. HBSD
AJ320272.1 gg_id:21472 Staphylococcus succinus str. SB72
GU143799.1 gg_id:539557 Staphylococcus succinus str. SV17
AB009942.1 gg_id:14879 Staphylococcus pulvereri str. ATCC 51698T
EU428955.1 gg_id:549555 Staphylococcus epidermidis str. BP/SU1
GQ068053.1 gg_id:393219 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw14

GQ025376.1	424885	4903.6	4750.0	4261.4	4911.2	3653.1	3124.2
GQ114233.1	453143	927.9	785.6	965.6	1290.1	218.2	409.3
GQ039944.1	392066	5388.0	4953.4	5609.9	7661.6	6315.6	6656.9
GQ055749.1	370903	11398.6	11944.6	7541.1	12923.3	9688.4	9018.9
GQ058773.1	421285	3272.0	3824.6	3224.9	3037.9	5893.6	4776.3
GQ107890.1	442266	11194.2	10784.8	5064.2	11900.8	8785.9	8393.9
X68417.1	14794	1293.6	1653.6	282.6	773.7	217.9	661.2
AY308046.1	89118	1394.4	1835.4	982.6	756.2	892.1	907.6
GQ073456.1	452171	9575.9	11742.6	7009.2	7830.5	13414.7	10594.2
GQ081939.1	376646	1802.0	1924.7	168.9	1809.3	2251.1	2102.9
X75944.1	14817	559.6	589.3	251.0	116.6	197.9	357.1
EU855190.1	346511	1585.1	2177.7	1341.9	1232.1	1889.6	2163.6
EF061907.1	181589	3970.1	3979.6	3250.0	3407.5	3696.4	3676.6
GQ304781.1	592590	251.7	457.9	284.2	112.4	102.5	371.7
GQ045534.1	459324	541.2	928.0	801.6	231.2	367.4	342.7
L37600.1	14857	581.9	941.3	443.0	215.7	325.7	648.8
X86640.1	14867	7553.9	8676.9	4919.5	6437.3	6371.3	6281.0
FN393802.1	575037	523.9	1033.1	753.2	991.1	3211.6	2024.2
EU071616.1	256023	815.8	1259.3	872.2	506.5	707.5	806.7
EU379304.1	262934	898.4	1376.4	945.4	515.3	765.4	896.0
EF522132.1	225987	233.4	516.2	461.8	213.2	323.3	654.6
GQ037885.1	385469	686.1	956.5	479.3	154.8	245.9	248.1
X86636.1	14837	41.2	49.1	126.1	65.6	60.7	92.0
X86650.1	14838	7891.1	8343.7	4612.1	6430.7	5688.7	6540.1
AY903256.1	111564	1240.2	528.6	1253.5	1476.6	1079.0	1305.4
AF322002.2	26685	160.9	206.0	572.0	215.8	133.1	298.4
GQ104965.1	448537	2657.2	2456.4	3449.5	4171.8	1242.2	2908.2
GQ038197.1	427149	3190.0	1494.7	1368.1	2524.3	801.0	2597.1
GQ038333.1	432252	253.5	255.1	620.2	290.8	146.1	795.0
AJ780978.1	137754	517.3	587.0	796.5	321.7	160.7	727.3
GQ261178.1	573127	5881.2	4941.2	1194.8	4284.4	6049.9	6490.8
AY820254.1	141666	4569.6	4657.5	1145.5	1213.4	143.9	2504.4
AB523707.1	471521	467.8	724.1	642.4	391.6	310.7	1111.6
AB212276.1	148758	1620.1	1839.0	739.2	1610.4	386.3	1030.6
FJ573173.1	550011	475.4	748.6	675.3	385.6	313.3	1160.8
GU140036.1	549509	468.9	727.5	645.4	390.9	313.2	1042.2
AJ320272.1	21472	879.7	1735.3	611.3	478.5	3433.7	2224.7
GU143799.1	539557	1554.2	2616.3	2186.4	1319.1	1720.1	1976.5
AB009942.1	14879	69.8	207.2	141.0	88.3	52.9	553.8
EU428955.1	549555	141.4	187.2	436.8	142.9	130.9	540.1
GQ068053.1	393219	542.3	949.3	426.9	429.9	503.5	221.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	45903
s__unclassified	45907
s__unclassified	45915
s__unclassified	45924
s__unclassified	45925
s__unclassified	45927
s__unclassified	45936
s__unclassified	45940
s__unclassified	45946
s__unclassified	45952
s__unclassified	45957
s__unclassified	45963
s__unclassified	45974
s__unclassified	45975
s__unclassified	45977
s__unclassified	45980
s__unclassified	45995
s__unclassified	46003
s__unclassified	46008
s__unclassified	46009
s__unclassified	46013
s__unclassified	46035
s__unclassified	46064
s__unclassified	46071
s__unclassified	46074
s__unclassified	46081
s__unclassified	46083
s__unclassified	46098
s__unclassified	46110
s__unclassified	46116
s__unclassified	46120
s__unclassified	46123
s__unclassified	46129
s__unclassified	46130
s__unclassified	46139
s__unclassified	46155
s__unclassified	46157
s__unclassified	46166
s__unclassified	46167
s__unclassified	46169
s__unclassified	46176

GQ100642.1 gg_id:388895 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ058970.1 gg_id:424593 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu58
GQ110064.1 gg_id:465622 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ078527.1 gg_id:381886 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ054452.1 gg_id:447357 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
GQ058410.1 gg_id:372431 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ078565.1 gg_id:405511 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ080880.1 gg_id:375079 Topographical and Temporal Human Skin Microbiome skin nare clone nbw1140e05c
GQ047355.1 gg_id:393184 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ022501.1 gg_id:487167 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ054992.1 gg_id:433377 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ053838.1 gg_id:407557 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ100456.1 gg_id:414429 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ084181.1 gg_id:426314 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ051649.1 gg_id:416284 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ065783.1 gg_id:419110 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw92h06
GQ055184.1 gg_id:466073 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ111550.1 gg_id:454416 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw581
GQ047593.1 gg_id:440178 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ084154.1 gg_id:384252 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ082641.1 gg_id:411281 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw1205b
EU071615.1 gg_id:256770 Staphylococcus haemolyticus str. EHFS1_S12Hd
GQ022657.1 gg_id:487012 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ058299.1 gg_id:454227 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
NC_007168.1 gg_id:130949 Staphylococcus haemolyticus str. JCSC1435
GQ085695.1 gg_id:455731 Topographical and Temporal Human Skin Microbiome skin palm clone nbw279c03c1
GQ046433.1 gg_id:380303 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ012293.1 gg_id:497373 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ044635.1 gg_id:437606 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
FJ189773.1 gg_id:553926 Staphylococcus pasteuri str. NSB07
GQ039946.1 gg_id:412114 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ035710.1 gg_id:392562 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbu
DQ818408.1 gg_id:170545 mouse cecal microbiota-colonized zebrafish digestive tract clone aaa38g12
GQ058878.1 gg_id:426011 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ067668.1 gg_id:409194 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw141c1
GQ022439.1 gg_id:487232 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ099306.1 gg_id:392601 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw50
Z22778.1 gg_id:14903 Spirochaeta sp str. human intestinal spirochaete oman strain 26
GQ058415.1 gg_id:382697 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ112722.1 gg_id:395866 Topographical and Temporal Human Skin Microbiome skin nare clone nbw587b05c1
GQ053104.1 gg_id:443823 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1

GQ100642.1	388895	1278.2	888.9	1493.0	2043.5	135.3	624.9
GQ058970.1	424593	2416.7	2841.2	1643.5	2449.7	2294.8	2243.9
GQ110064.1	465622	1221.6	1495.6	1893.7	1565.9	807.7	1232.4
GQ078527.1	381886	7140.0	8096.3	5079.3	5883.4	7464.6	6465.9
GQ054452.1	447357	1724.9	1900.6	1895.9	855.5	780.5	2039.7
GQ058410.1	372431	2076.3	2792.7	1970.0	2245.2	2557.3	3635.2
GQ078565.1	405511	6521.9	6457.0	6674.7	7161.2	7120.7	7463.5
GQ080880.1	375079	5212.9	7592.8	2564.9	3562.3	10120.6	5460.6
GQ047355.1	393184	1940.9	3516.2	5636.9	1472.2	5277.3	3306.7
GQ022501.1	487167	1592.7	1442.1	1405.1	1282.7	844.3	1455.5
GQ054992.1	433377	1318.9	1500.5	2133.5	1235.6	1608.5	1797.2
GQ053838.1	407557	3706.1	4219.6	1803.4	4438.0	3238.7	3757.1
GQ100456.1	414429	7457.7	8201.2	8071.5	6784.0	5348.5	6570.1
GQ084181.1	426314	4203.2	6138.3	4362.4	2321.5	5665.0	4321.5
GQ051649.1	416284	2775.1	2340.1	3019.6	3692.5	853.3	1270.2
GQ065783.1	419110	328.6	525.5	734.9	370.2	2007.9	1378.8
GQ055184.1	466073	13520.8	13645.9	4633.5	11043.9	13420.7	11267.8
GQ111550.1	454416	858.1	1417.8	1330.9	500.3	447.4	801.2
GQ047593.1	440178	3123.1	3799.3	2242.3	3886.5	3594.4	4030.2
GQ084154.1	384252	667.5	1022.4	1492.6	315.9	150.9	845.4
GQ082641.1	411281	7071.3	5642.6	6264.0	5828.2	4741.7	6123.9
EU071615.1	256770	980.3	1163.3	1277.8	736.6	605.1	978.7
GQ022657.1	487012	5847.1	7546.5	5427.6	7372.5	10268.4	6400.3
GQ058299.1	454227	81.3	194.1	607.8	178.9	74.2	1447.8
NC_007168.1	130949	483.3	733.0	370.6	184.2	309.6	620.9
GQ085695.1	455731	752.4	1190.1	1490.0	455.8	143.1	982.7
GQ046433.1	380303	832.0	1051.7	1102.6	1108.4	142.8	546.6
GQ012293.1	497373	9560.6	5902.4	9554.3	9848.8	8715.3	9108.1
GQ044635.1	437606	453.1	1277.0	353.6	539.0	75.1	434.7
FJ189773.1	553926	22.9	42.4	29.3	63.3	55.1	69.4
GQ039946.1	412114	19161.7	22979.0	21641.9	14954.0	18852.6	16703.5
GQ035710.1	392562	3111.5	2731.3	2428.5	4764.8	1475.9	648.4
DQ818408.1	170545	174.2	220.2	97.9	367.7	604.0	64.8
GQ058878.1	426011	1384.5	1690.5	1898.3	1640.5	1077.5	1682.6
GQ067668.1	409194	2278.6	2263.2	1840.6	2638.8	4402.2	3562.7
GQ022439.1	487232	2214.8	3240.8	1843.5	1445.6	2225.0	2326.8
GQ099306.1	392601	484.2	704.5	325.6	202.0	82.2	1621.9
Z22778.1	14903	78.5	128.0	41.7	75.5	71.8	50.3
GQ058415.1	382697	2337.0	2945.5	1414.1	2540.5	3151.0	3557.8
GQ112722.1	395866	2027.5	2143.7	2957.3	1726.0	3387.7	3195.1
GQ053104.1	443823	1517.2	1679.2	777.2	1724.5	1927.0	2148.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	46185
s__unclassified	46190
s__unclassified	46195
s__unclassified	46205
s__unclassified	46209
s__unclassified	46222
s__unclassified	46228
s__unclassified	46231
s__unclassified	46240
s__unclassified	46249
s__unclassified	46254
s__unclassified	46259
s__unclassified	46265
s__unclassified	46278
s__unclassified	46285
s__unclassified	46288
s__unclassified	46295
s__unclassified	46299
s__unclassified	46307
s__unclassified	46309
s__unclassified	46318
s__unclassified	46321
s__unclassified	46329
s__unclassified	46334
s__unclassified	46337
s__unclassified	46342
s__unclassified	46343
s__unclassified	46346
s__unclassified	46348
s__unclassified	46357
s__unclassified	46360
s__unclassified	46362
s__unclassified	46367
s__unclassified	46386
s__unclassified	46390
s__unclassified	46391
s__unclassified	46392
s__unclassified	46399
s__unclassified	46416
s__unclassified	46418
s__unclassified	46420

GQ094237.1 gg_id:454752 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw371
GQ004489.1 gg_id:505173 Topographical and Temporal Human Skin Microbiome skin nare clone nbu59b06c1
FM874018.1 gg_id:356733 occupant source house mattress dust clone MB05B10
GQ022322.1 gg_id:487348 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ037090.1 gg_id:428920 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu388e07
GQ051641.1 gg_id:434656 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ081466.1 gg_id:378578 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
X84731.1 gg_id:74274 Staphylococcus sp
EU834244.1 gg_id:311342 Staphylococcus epidermidis str. DS14
GQ053771.1 gg_id:394415 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
AY346310.1 gg_id:92651 Staphylococcus caprae str. HCP4
FN646067.1 gg_id:515862 Staphylococcus cohnii 100
GQ053206.1 gg_id:414174 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ053769.1 gg_id:434303 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ056161.1 gg_id:392394 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ022568.1 gg_id:487101 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ110044.1 gg_id:437051 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ038400.1 gg_id:447433 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ042604.1 gg_id:441876 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ025337.1 gg_id:436520 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ072395.1 gg_id:465742 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw195f12
EU834238.1 gg_id:312294 Staphylococcus cohnii str. ds07
EU861984.1 gg_id:330679 Staphylococcus epidermidis str. ICIRC142
GQ056314.1 gg_id:455165 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ110998.1 gg_id:446128 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
GQ022451.1 gg_id:487218 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
EU660348.1 gg_id:296554 Staphylococcus sciuri str. CM26
GQ091168.1 gg_id:439595 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw343a02
GQ081840.1 gg_id:378492 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ086785.1 gg_id:448762 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
FJ999931.1 gg_id:574393 Staphylococcus haemolyticus str. EQH2
NR_024667.1 gg_id:555928 Staphylococcus kloosii str. ATCC 43959
GQ022602.1 gg_id:487068 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ058790.1 gg_id:408516 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ020516.1 gg_id:489150 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
EU867337.1 gg_id:586661 Staphylococcus epidermidis str. CCGE2317
GQ113721.1 gg_id:468501 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(
S83569.1 gg_id:14880 Staphylococcus sciuri
GQ058681.1 gg_id:437545 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
GQ042568.1 gg_id:413390 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
EU434592.1 gg_id:269729 Staphylococcus saprophyticus str. e35

GQ094237.1	454752	1458.3	1825.5	740.4	620.5	259.6	645.1
GQ004489.1	505173	4222.1	4096.3	3631.1	6592.5	5915.2	6310.4
FM874018.1	356733	2980.6	3510.6	2136.2	4807.3	2302.0	2080.6
GQ022322.1	487348	6256.5	3403.4	3425.1	8551.6	2648.6	5246.9
GQ037090.1	428920	5902.3	4828.3	6826.6	7045.7	4737.7	5241.9
GQ051641.1	434656	1579.8	2879.4	2249.2	1352.2	3928.8	1843.6
GQ081466.1	378578	428.7	73.0	45.6	384.4	422.0	873.8
X84731.1	74274	1424.2	1255.7	1403.4	2340.2	1466.4	2170.6
EU834244.1	311342	123.5	162.9	456.2	102.9	85.9	472.2
GQ053771.1	394415	6519.0	9153.9	6454.0	7199.7	15453.7	10731.6
AY346310.1	92651	1080.9	1520.2	952.3	1009.3	568.4	1039.8
FN646067.1	515862	2238.0	2222.6	1490.1	1347.7	1992.5	3182.7
GQ053206.1	414174	4283.7	2697.9	2762.8	6308.0	938.0	2910.3
GQ053769.1	434303	4463.7	6435.8	3921.0	4550.7	9846.0	7415.5
GQ056161.1	392394	4794.9	6901.1	8492.7	6072.1	8897.1	7379.5
GQ022568.1	487101	3821.3	2659.2	4381.1	3703.1	1267.5	4625.2
GQ110044.1	437051	805.8	1226.6	1477.0	840.1	181.1	347.0
GQ038400.1	447433	2213.8	1978.0	4154.2	2000.3	1415.6	1112.4
GQ042604.1	441876	652.9	1987.8	432.3	788.6	964.4	1255.4
GQ025337.1	436520	4240.6	4036.6	5086.1	5064.7	6899.1	6429.9
GQ072395.1	465742	8631.5	12125.8	6864.5	7620.2	9070.7	7099.0
EU834238.1	312294	478.9	687.0	1950.4	587.7	1724.3	1889.9
EU861984.1	330679	15421.7	14569.4	14501.8	14927.5	14113.0	13501.0
GQ056314.1	455165	774.3	2218.0	1460.1	1728.6	5567.8	3308.7
GQ110998.1	446128	3536.1	5366.7	4674.8	4115.3	4117.1	5156.2
GQ022451.1	487218	2097.7	1976.1	1492.3	3752.7	1696.5	2885.6
EU660348.1	296554	85.1	182.4	171.2	120.1	71.0	800.5
GQ091168.1	439595	2716.2	2019.4	2075.5	4117.8	1650.1	1507.1
GQ081840.1	378492	2250.5	3373.8	1963.2	1605.0	3089.3	2606.8
GQ086785.1	448762	12089.6	10348.3	6357.6	14567.2	13244.2	15015.7
FJ999931.1	574393	557.7	799.1	339.4	114.2	218.3	316.0
NR_024667.1	555928	336.0	629.0	729.4	264.6	403.3	483.8
GQ022602.1	487068	251.9	180.0	748.9	133.5	88.0	523.4
GQ058790.1	408516	5927.8	3043.9	4027.2	11300.8	5253.5	3722.1
GQ020516.1	489150	718.5	1242.4	334.5	893.7	198.7	229.4
EU867337.1	586661	750.5	754.3	417.2	1397.8	302.4	919.9
GQ113721.1	468501	3494.8	2649.8	1755.2	5110.8	4174.7	3099.1
S83569.1	14880	64.9	159.0	136.0	103.8	62.7	766.3
GQ058681.1	437545	3955.1	2607.7	2666.5	4649.0	2218.3	4351.2
GQ042568.1	413390	4702.7	6537.5	4006.7	6424.4	8191.9	6175.8
EU434592.1	269729	24493.6	25523.5	20341.9	22234.8	24523.1	22241.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	46443
s__unclassified	46460
s__unclassified	46462
s__unclassified	46463
s__unclassified	46464
s__unclassified	46466
s__unclassified	46472
s__unclassified	46480
s__unclassified	46481
s__unclassified	46484
s__unclassified	46497
s__unclassified	46498
s__unclassified	46509
s__unclassified	46512
s__unclassified	46514
s__unclassified	46522
s__unclassified	46527
s__unclassified	46532
s__unclassified	46535
s__unclassified	46539
s__unclassified	46541
s__unclassified	46544
s__unclassified	46548
s__unclassified	46560
s__unclassified	46563
s__unclassified	46584
s__unclassified	46596
s__unclassified	46600
s__unclassified	46602
s__unclassified	46604
s__unclassified	46606
s__unclassified	46608
s__unclassified	46610
s__unclassified	46614
s__unclassified	46618
s__unclassified	46621
s__unclassified	46622
s__unclassified	46628
s__unclassified	46633
s__unclassified	46634
s__unclassified	46645

GQ068276.1 gg_id:403981 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw148
GQ053113.1 gg_id:467785 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ055167.1 gg_id:384063 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ111730.1 gg_id:390211 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ081124.1 gg_id:423536 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
AY030317.1 gg_id:48424 Staphylococcus epidermidis str. JPL-7
GQ053077.1 gg_id:416612 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ041416.1 gg_id:438031 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ053284.1 gg_id:413591 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
FN646068.1 gg_id:521848 Staphylococcus saprophyticus 108
AB009938.1 gg_id:14872 Staphylococcus delphini str. ATCC 49171T
GQ055186.1 gg_id:418844 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ073767.1 gg_id:396312 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058367.1 gg_id:437959 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ109865.1 gg_id:375930 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ001798.1 gg_id:507865 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1
GQ025596.1 gg_id:441564 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ042016.1 gg_id:380750 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ112114.1 gg_id:456097 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw584
AJ938182.1 gg_id:144597 Staphylococcus aureus str. RF122
GQ073823.1 gg_id:379019 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ055073.1 gg_id:443296 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ019997.1 gg_id:489671 Topographical and Temporal Human Skin Microbiome skin nare clone nbu201g05c1
GU369804.1 gg_id:519827 Staphylococcus simulans str. YH-13-3
GQ062945.1 gg_id:409013 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw95g01c
GQ042900.1 gg_id:377819 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ109354.1 gg_id:432512 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ014295.1 gg_id:495371 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw8
GQ083542.1 gg_id:448689 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw25C
GQ019046.1 gg_id:490622 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ082686.1 gg_id:467430 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ031690.1 gg_id:376874 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ058871.1 gg_id:398022 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ039726.1 gg_id:372077 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu427c12
GQ110751.1 gg_id:371458 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ044805.1 gg_id:427089 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw
GQ055005.1 gg_id:446655 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ022444.1 gg_id:487225 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ043618.1 gg_id:424105 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1016d
GQ002108.1 gg_id:507553 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu1
GQ068073.1 gg_id:416372 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw14

GQ068276.1	403981	5655.4	7585.4	6129.1	6306.2	6954.6	5165.3
GQ053113.1	467785	3965.4	5841.6	1296.1	4278.9	4733.8	4119.0
GQ055167.1	384063	162.9	223.3	284.5	79.6	230.2	329.4
GQ111730.1	390211	3515.3	3958.7	1260.9	2468.3	947.7	1125.9
GQ081124.1	423536	420.9	577.6	190.5	163.5	172.5	577.9
AY030317.1	48424	1572.3	1393.0	1106.6	2279.1	432.7	1338.0
GQ053077.1	416612	5615.5	3311.1	2187.8	6327.5	2527.2	3890.0
GQ041416.1	438031	7840.0	11506.5	6510.0	5981.1	6942.8	5088.9
GQ053284.1	413591	9636.0	10126.2	8407.6	10399.7	6992.7	11853.7
FN646068.1	521848	8203.8	7061.3	2985.8	7051.0	3443.1	5201.4
AB009938.1	14872	987.4	948.7	1075.3	1217.4	424.1	1094.9
GQ055186.1	418844	10669.0	9690.5	8516.9	9252.7	2376.1	6654.8
GQ073767.1	396312	9261.1	9272.4	11482.0	10282.9	6787.4	6589.0
GQ058367.1	437959	9003.6	8632.0	6973.7	9661.1	10916.1	10370.2
GQ109865.1	375930	1905.4	2320.2	1866.5	2100.8	1642.2	1761.1
GQ001798.1	507865	23093.4	22293.2	14402.8	15101.9	19009.9	16819.0
GQ025596.1	441564	826.1	1598.8	762.6	811.4	596.0	615.3
GQ042016.1	380750	2225.4	2041.6	1058.6	2687.5	1931.7	2362.9
GQ112114.1	456097	804.9	1383.7	1584.2	476.5	145.3	910.6
AJ938182.1	144597	142.1	345.9	275.0	170.2	202.8	291.5
GQ073823.1	379019	3803.2	4943.5	2063.5	4287.2	8857.7	6137.9
GQ055073.1	443296	3375.9	1787.6	3306.5	3958.4	1894.1	5087.9
GQ019997.1	489671	237.7	534.9	346.7	314.5	885.5	639.8
GU369804.1	519827	2625.6	2205.2	1160.7	237.9	228.6	413.3
GQ062945.1	409013	37.1	100.1	142.0	79.6	63.8	503.9
GQ042900.1	377819	8596.5	12967.5	13885.4	8274.5	13236.1	10600.4
GQ109354.1	432512	1223.4	2829.0	4219.3	2269.4	2095.2	2286.3
GQ014295.1	495371	892.5	1285.0	604.2	252.4	154.3	512.3
GQ083542.1	448689	2709.8	2833.8	3836.0	2644.4	3794.8	2927.4
GQ019046.1	490622	5998.1	4957.6	7586.3	5221.4	5564.3	5086.7
GQ082686.1	467430	1081.9	743.2	728.8	757.3	159.1	252.3
GQ031690.1	376874	751.8	1193.6	1624.1	459.3	144.4	1007.0
GQ058871.1	398022	4643.3	4172.3	3515.2	6602.9	5302.8	5419.5
GQ039726.1	372077	4498.8	7144.9	3292.6	4876.0	8298.6	6058.0
GQ110751.1	371458	1134.7	734.4	1278.1	868.7	132.5	851.1
GQ044805.1	427089	1958.4	2928.9	1727.1	1356.7	2140.5	2231.6
GQ055005.1	446655	1617.6	2797.5	2093.2	2249.2	1023.0	2048.7
GQ022444.1	487225	3353.8	3177.9	1190.9	2946.5	578.5	1010.4
GQ043618.1	424105	5256.2	4278.2	6432.8	6037.5	3287.4	4516.4
GQ002108.1	507553	1320.1	823.8	460.3	994.2	377.6	1086.0
GQ068073.1	416372	939.4	1595.7	3065.8	1538.0	3735.7	2840.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	46646
s__unclassified	46651
s__unclassified	46652
s__unclassified	46661
s__unclassified	46665
s__unclassified	46668
s__unclassified	46670
s__unclassified	46673
s__unclassified	46691
s__unclassified	46701
s__unclassified	46703
s__unclassified	46709
s__unclassified	46710
s__unclassified	46719
s__unclassified	46720
s__unclassified	46723
s__unclassified	46732
s__unclassified	46733
s__unclassified	46737
s__unclassified	46738
s__unclassified	46746
s__unclassified	46748
s__unclassified	46757
s__unclassified	46761
s__unclassified	46766
s__unclassified	46770
s__unclassified	46773
s__unclassified	46784
s__unclassified	46793
s__unclassified	46807
s__unclassified	46809
s__unclassified	46812
s__unclassified	46813
s__unclassified	46814
s__unclassified	46827
s__unclassified	46828
s__unclassified	46830
s__unclassified	46844
s__unclassified	46845
s__unclassified	46860
s__unclassified	46870

GQ084297.1 gg_id:438682 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ031964.1 gg_id:375035 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw:
GQ038516.1 gg_id:373056 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu4
GQ384358.1 gg_id:578611 Staphylococcus saprophyticus str. V
D83364.1 gg_id:14898 Staphylococcus felis str. ATCC49168T
GQ042042.1 gg_id:388539 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ078746.1 gg_id:407621 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
FN646072.1 gg_id:526427 Staphylococcus gallinarum 205
X66100.1 gg_id:14771 Staphylococcus haemolyticus str. CCM2737
GQ012886.1 gg_id:496781 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ043640.1 gg_id:397882 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1016f1
GQ110616.1 gg_id:419332 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ087014.1 gg_id:421924 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ022382.1 gg_id:487287 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
EF053370.1 gg_id:244892 Staphylococcus pseudolugdunensis str. B006
GQ039739.1 gg_id:401413 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu427f07
GQ109945.1 gg_id:446550 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
NC_007168.1 gg_id:131016 Staphylococcus haemolyticus str. JCSC1435
AM062696.1 gg_id:254131 Staphylococcus sciuri 11PP2C
FN393800.1 gg_id:537866 Staphylococcus haemolyticus str. ES-230-1b
GU197539.1 gg_id:572188 Staphylococcus saprophyticus str. YSY1-8
GQ045709.1 gg_id:396437 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ110243.1 gg_id:451900 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ051884.1 gg_id:393286 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ038366.1 gg_id:414478 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ058751.1 gg_id:391994 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ080676.1 gg_id:395347 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ081857.1 gg_id:437940 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ100667.1 gg_id:439095 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ056646.1 gg_id:407100 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw10
GQ081926.1 gg_id:460583 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ053931.1 gg_id:378164 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
L37598.1 gg_id:14763 Staphylococcus aureus
GQ111528.1 gg_id:377601 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw581
GQ056331.1 gg_id:430501 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ037007.1 gg_id:379870 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu387c11
GQ051878.1 gg_id:451597 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ058481.1 gg_id:436625 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ045883.1 gg_id:419749 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ109824.1 gg_id:437550 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
EU834242.1 gg_id:331162 Staphylococcus epidermidis str. DS12

GQ084297.1	438682	1777.4	2997.3	2300.3	1754.2	1716.7	2027.3
GQ031964.1	375035	3312.9	2528.1	3141.0	5913.1	252.1	777.8
GQ038516.1	373056	10589.3	10160.7	12223.1	12211.7	8839.4	9835.8
GQ384358.1	578611	4279.3	5503.6	2365.5	3728.3	8455.6	5749.1
D83364.1	14898	484.0	497.6	610.1	323.3	176.2	527.7
GQ042042.1	388539	652.8	1401.0	756.4	909.1	200.4	547.4
GQ078746.1	407621	9031.5	9628.9	8007.5	7310.8	8239.9	6960.2
FN646072.1	526427	5065.6	5182.3	1367.5	4729.4	9435.1	6370.8
X66100.1	14771	620.0	924.0	466.3	205.2	316.1	532.1
GQ012886.1	496781	2251.7	3410.2	4251.7	1839.8	1780.2	2631.5
GQ043640.1	397882	2751.4	5225.3	5280.8	3321.8	2243.5	3146.1
GQ110616.1	419332	1051.7	742.4	1271.6	815.3	116.9	953.9
GQ087014.1	421924	1723.8	1276.7	1460.4	1878.6	179.8	211.7
GQ022382.1	487287	4143.0	4266.6	4865.9	3718.4	3967.1	5024.4
EF053370.1	244892	1698.5	1535.9	1159.9	2241.0	320.5	1200.5
GQ039739.1	401413	448.3	1024.3	475.0	366.3	1484.0	1715.5
GQ109945.1	446550	7636.6	10069.4	5752.8	9625.3	11207.4	9134.5
NC_007168.1	131016	5010.2	6412.7	4076.5	5212.3	5477.1	4642.9
AM062696.1	254131	3071.2	4866.1	3901.0	3710.1	3661.5	3463.1
FN393800.1	537866	37.9	48.0	29.9	85.5	79.6	90.5
GU197539.1	572188	1173.2	1558.0	1810.6	938.5	796.0	1214.1
GQ045709.1	396437	7949.2	9159.1	5024.3	7618.6	3270.0	5997.4
GQ110243.1	451900	11676.0	11523.9	6554.2	10541.4	3349.6	6636.1
GQ051884.1	393286	243.7	268.2	664.9	128.6	214.4	817.8
GQ038366.1	414478	481.1	596.7	1436.5	278.0	95.0	1466.2
GQ058751.1	391994	503.8	585.0	1693.0	306.2	128.8	1427.4
GQ080676.1	395347	7164.3	10009.1	5915.0	7523.1	10615.0	9131.8
GQ081857.1	437940	146.9	215.3	202.2	141.3	835.0	383.9
GQ100667.1	439095	15284.8	15721.5	11599.8	13869.9	16154.3	13244.5
GQ056646.1	407100	6018.1	5024.2	3936.1	1946.4	258.9	1107.8
GQ081926.1	460583	15895.6	17374.3	13271.4	14124.4	18741.0	13837.2
GQ053931.1	378164	7786.5	7676.3	3732.2	6712.5	6546.0	5978.6
L37598.1	14763	9582.2	8890.3	8035.5	9381.9	14935.1	12997.3
GQ111528.1	377601	879.9	1495.6	723.4	851.6	570.3	628.1
GQ056331.1	430501	1631.4	2960.5	2913.0	1170.5	5428.9	3575.5
GQ037007.1	379870	445.6	964.5	262.8	456.5	439.2	608.5
GQ051878.1	451597	1546.2	1645.7	125.1	393.1	69.8	152.8
GQ058481.1	436625	2074.8	1552.2	1075.6	2580.0	290.1	501.3
GQ045883.1	419749	646.4	1031.2	694.2	952.8	381.2	375.1
GQ109824.1	437550	8785.5	8856.4	10224.6	7799.2	8424.6	7325.8
EU834242.1	331162	16321.5	22561.8	12142.6	12960.3	17647.5	12786.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	46875
s__unclassified	46890
s__unclassified	46891
s__unclassified	46894
s__unclassified	46895
s__unclassified	46896
s__unclassified	46897
s__unclassified	46903
s__unclassified	46904
s__unclassified	46905
s__unclassified	46908
s__unclassified	46914
s__unclassified	46922
s__unclassified	46929
s__unclassified	46930
s__unclassified	46931
s__unclassified	46944
s__unclassified	46947
s__unclassified	46957
s__unclassified	46958
s__unclassified	46962
s__unclassified	46963
s__unclassified	46967
s__unclassified	46969
s__unclassified	46977
s__unclassified	46978
s__unclassified	46981
s__unclassified	46988
s__unclassified	46989
s__unclassified	46990
s__unclassified	46991
s__unclassified	47019
s__unclassified	47021
s__unclassified	47023
s__unclassified	47048
s__unclassified	47049
s__unclassified	47051
s__unclassified	47054
s__unclassified	47055
s__unclassified	47058
s__unclassified	47073

GQ110807.1 gg_id:372702 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ055191.1 gg_id:453677 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ047571.1 gg_id:405097 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5
GQ078842.1 gg_id:411369 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ027051.1 gg_id:446363 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw84
GQ109912.1 gg_id:427860 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
GQ042126.1 gg_id:424636 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw93
GQ053795.1 gg_id:396064 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ022594.1 gg_id:487075 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ044468.1 gg_id:465562 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
DQ815093.1 gg_id:164612 zebrafish digestive tract clone aab49h07
GQ051683.1 gg_id:411223 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
DQ991032.1 gg_id:195138 Staphylococcus intermedius Gent30Groot
GQ041900.1 gg_id:374786 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ031683.1 gg_id:406998 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ042357.1 gg_id:442849 Topographical and Temporal Human Skin Microbiome skin nare clone nbw939d03c1
AP006716.1 gg_id:132473 Staphylococcus haemolyticus str. JCSC1435
GQ039867.1 gg_id:444058 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ001887.1 gg_id:507775 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ053084.1 gg_id:455397 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ075599.1 gg_id:451977 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ025478.1 gg_id:454610 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ046247.1 gg_id:462772 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ053792.1 gg_id:464476 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ051742.1 gg_id:461684 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ109796.1 gg_id:447110 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
AJ717378.1 gg_id:109544 Staphylococcus cohnii CV38
GQ073498.1 gg_id:455113 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ022390.1 gg_id:487279 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ045318.1 gg_id:422235 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ025301.1 gg_id:468322 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ005715.1 gg_id:503948 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ073511.1 gg_id:437517 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ001926.1 gg_id:507737 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu16
GQ086923.1 gg_id:419256 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ082837.1 gg_id:436172 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
FJ481960.1 gg_id:509619 Staphylococcus epidermidis str. KZ5
GQ022494.1 gg_id:487173 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
DQ350835.1 gg_id:147170 Staphylococcus gallinarum str. S1004
GQ046484.1 gg_id:427365 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ110764.1 gg_id:378177 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw

GQ110807.1	372702	2861.5	4085.6	2224.8	3504.1	4918.6	3535.3
GQ055191.1	453677	9239.9	7685.0	6930.3	10431.0	13962.7	11683.7
GQ047571.1	405097	4318.0	3840.6	6190.0	5981.0	3393.6	2779.5
GQ078842.1	411369	871.2	954.4	1196.8	1024.2	206.7	930.2
GQ027051.1	446363	9075.6	8476.6	5600.7	7775.9	6321.9	3128.8
GQ109912.1	427860	225.0	264.8	703.0	132.4	195.9	822.4
GQ042126.1	424636	1469.6	1476.8	1705.1	1565.5	275.7	381.4
GQ053795.1	396064	3015.5	3290.5	1868.4	3413.4	2228.9	3425.8
GQ022594.1	487075	2268.1	2555.8	5096.8	2786.3	1083.5	994.7
GQ044468.1	465562	376.5	442.7	1345.6	246.6	96.2	1388.8
DQ815093.1	164612	474.6	552.1	228.6	631.8	550.2	560.4
GQ051683.1	411223	919.6	1475.6	521.8	550.4	1204.5	879.5
DQ991032.1	195138	457.8	578.3	1307.0	383.3	308.7	867.2
GQ041900.1	374786	188.0	218.7	638.8	168.1	1001.6	520.4
GQ031683.1	406998	13483.4	17435.9	8610.6	10859.3	13743.6	12163.3
GQ042357.1	442849	4568.4	6975.1	6267.0	3456.2	8950.7	4789.2
AP006716.1	132473	445.8	740.0	716.1	640.2	409.5	957.1
GQ039867.1	444058	2167.8	3055.4	1601.7	2356.8	3120.7	3511.0
GQ001887.1	507775	184.1	481.3	522.6	230.1	3425.1	2028.6
GQ053084.1	455397	4439.0	5401.5	4319.4	6225.2	3668.5	4171.1
GQ075599.1	451977	1046.0	739.1	1261.3	871.1	111.6	966.2
GQ025478.1	454610	1637.4	1700.3	1241.0	1717.8	1930.5	2638.3
GQ046247.1	462772	11437.7	13910.2	8299.1	9393.5	12335.9	9855.4
GQ053792.1	464476	7398.7	9443.8	8182.1	8091.1	9679.7	9741.9
GQ051742.1	461684	1599.7	1164.7	1811.4	2599.9	506.0	960.8
GQ109796.1	447110	9540.0	11122.1	8781.0	9962.0	8733.9	10352.9
AJ717378.1	109544	5283.7	5393.6	3779.3	5117.0	5090.7	5772.9
GQ073498.1	455113	4539.3	4246.0	3707.3	4943.8	9782.3	7040.1
GQ022390.1	487279	823.3	3456.1	935.9	1909.6	1223.7	1078.9
GQ045318.1	422235	6844.8	8694.7	6468.4	4973.8	7626.0	6642.9
GQ025301.1	468322	1047.2	2080.6	2212.9	1369.8	1084.5	1247.5
GQ005715.1	503948	5721.8	7757.1	5472.3	3760.4	5775.0	4152.7
GQ073511.1	437517	5685.2	2562.8	3758.7	6434.2	6723.5	5885.2
GQ001926.1	507737	10321.3	11927.0	8600.2	10348.3	4691.4	5542.8
GQ086923.1	419256	4519.0	7189.5	3575.5	5258.7	8347.4	6118.2
GQ082837.1	436172	2612.4	3634.7	2287.0	1405.6	2847.2	1668.6
FJ481960.1	509619	589.0	777.8	338.6	575.2	381.7	719.0
GQ022494.1	487173	461.7	1200.8	1923.3	285.4	76.2	507.4
DQ350835.1	147170	88.3	382.4	308.5	129.6	79.7	658.8
GQ046484.1	427365	13267.5	14938.8	10188.8	11593.9	12867.3	11043.4
GQ110764.1	378177	329.2	1448.8	1559.0	502.8	2072.7	1040.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	47092
s__unclassified	47095
s__unclassified	47101
s__unclassified	47108
s__unclassified	47110
s__unclassified	47111
s__unclassified	47114
s__unclassified	47116
s__unclassified	47120
s__unclassified	47129
s__unclassified	47135
s__unclassified	47139
s__unclassified	47152
s__unclassified	47156
s__unclassified	47158
s__unclassified	47175
s__unclassified	47185
s__unclassified	47187
s__unclassified	47188
s__unclassified	47202
s__unclassified	47203
s__unclassified	47207
s__unclassified	47215
s__unclassified	47216
s__unclassified	47231
s__unclassified	47232
s__unclassified	47243
s__unclassified	47246
s__unclassified	47248
s__unclassified	47251
s__unclassified	47252
s__unclassified	47254
s__unclassified	47271
s__unclassified	47274
s__unclassified	47284
s__unclassified	47296
s__unclassified	47300
s__unclassified	47323
s__unclassified	47327
s__unclassified	47334
s__unclassified	47338

GQ041901.1 gg_id:454826 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ042117.1 gg_id:466752 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw93E
GQ095490.1 gg_id:434649 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ058646.1 gg_id:465963 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu58
AB219154.1 gg_id:132932 Staphylococcus lentus str. SSH39
GQ042838.1 gg_id:461598 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ078694.1 gg_id:446328 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ057282.1 gg_id:372603 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
AY953148.1 gg_id:115021 Staphylococcus croceolyticus str. MCC10046
GQ114324.1 gg_id:424129 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw59
GQ039696.1 gg_id:393450 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu426e08
GQ081930.1 gg_id:432256 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ038824.1 gg_id:441788 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu523f05
GQ068235.1 gg_id:466062 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw148
GQ053706.1 gg_id:438868 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ094748.1 gg_id:392978 Topographical and Temporal Human Skin Microbiome skin nare clone nbw374c11c1
GQ078552.1 gg_id:435016 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
EU867334.1 gg_id:564078 Staphylococcus haemolyticus str. CCGE2295
GQ068047.1 gg_id:435187 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw145
GQ053854.1 gg_id:440768 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ022569.1 gg_id:487100 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ081831.1 gg_id:462862 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ056225.1 gg_id:374799 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ020567.1 gg_id:489101 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ022405.1 gg_id:487265 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ040127.1 gg_id:381224 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw95
GQ056435.1 gg_id:426976 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
AB009943.1 gg_id:14779 Staphylococcus piscifermentans str. ATCC51136T
EU652069.1 gg_id:275202 Staphylococcus epidermidis str. mm-17
GQ110094.1 gg_id:446609 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw61
GQ022492.1 gg_id:487174 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ022384.1 gg_id:487285 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
L37599.1 gg_id:14873 Staphylococcus capitis
S83566.1 gg_id:14834 Staphylococcus muscae str. MB4 = CCM 4175
GQ045749.1 gg_id:408256 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ053856.1 gg_id:461179 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
EU798945.1 gg_id:330915 Staphylococcus sp. str. JY04
GQ062951.1 gg_id:374892 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw95g07c
GQ000155.1 gg_id:468720 Topographical and Temporal Human Skin Microbiome skin palm clone nbu103b07c1
GQ021520.1 gg_id:488148 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27
GQ074240.1 gg_id:372798 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n

GQ041901.1	454826	5030.2	4431.0	4117.9	5074.0	3291.2	5092.4
GQ042117.1	466752	6141.4	5090.6	3863.2	9847.1	4148.0	5851.4
GQ095490.1	434649	1233.4	1756.2	1989.5	615.7	1894.6	2343.3
GQ058646.1	465963	2708.7	3517.9	3703.8	4537.4	4912.8	3061.2
AB219154.1	132932	229.9	448.6	399.0	98.6	69.3	330.1
GQ042838.1	461598	7209.6	8036.7	5804.6	6536.6	4479.4	6796.4
GQ078694.1	446328	10757.2	9342.6	7548.0	11361.2	12864.5	11970.9
GQ057282.1	372603	2883.2	2317.8	2282.1	3395.1	3550.2	3713.0
AY953148.1	115021	37.6	38.3	166.1	52.6	59.5	141.9
GQ114324.1	424129	1486.1	1592.7	681.7	1330.8	1818.1	2224.3
GQ039696.1	393450	46.0	62.9	103.1	79.6	61.0	285.6
GQ081930.1	432256	2257.4	2240.2	3202.4	1815.6	2361.3	1282.6
GQ038824.1	441788	426.9	550.2	780.0	299.9	122.8	972.8
GQ068235.1	466062	387.3	592.3	941.6	319.4	4086.5	2169.7
GQ053706.1	438868	2143.7	2836.8	2380.8	2004.7	1567.4	1889.4
GQ094748.1	392978	3945.1	3552.8	3892.3	4722.5	3911.5	3576.6
GQ078552.1	435016	303.8	309.8	810.1	133.2	237.8	864.5
EU867334.1	564078	491.0	613.7	691.2	364.1	354.5	568.3
GQ068047.1	435187	8869.9	10797.9	10307.0	7434.0	15900.6	12605.8
GQ053854.1	440768	8744.7	9209.9	8470.0	11268.9	8038.4	7765.3
GQ022569.1	487100	4155.6	4178.7	4037.6	3990.5	3796.0	3445.5
GQ081831.1	462862	7926.2	10947.7	6659.2	6910.2	1719.7	2287.6
GQ056225.1	374799	6056.8	5780.4	3585.7	4620.2	4620.4	4400.2
GQ020567.1	489101	9501.6	11546.9	8861.5	7875.5	10898.7	7424.0
GQ022405.1	487265	5040.6	4873.5	6014.5	7857.2	2888.0	4549.2
GQ040127.1	381224	5510.7	5896.3	3688.6	3967.3	6221.8	5020.1
GQ056435.1	426976	5300.6	4281.7	2087.2	934.5	132.1	800.9
AB009943.1	14779	3002.0	3418.6	3418.2	3353.9	3982.6	3900.6
EU652069.1	275202	3488.7	2856.5	2303.5	2765.6	3297.5	3076.0
GQ110094.1	446609	1824.8	1265.4	1903.7	4303.0	149.3	790.2
GQ022492.1	487174	2740.8	2555.2	1759.5	1617.2	1770.1	1907.1
GQ022384.1	487285	2320.6	1752.2	2183.8	4694.1	168.6	244.6
L37599.1	14873	4742.8	6706.5	1505.7	6015.0	654.5	2213.5
S83566.1	14834	568.6	369.7	845.9	259.2	252.7	723.3
GQ045749.1	408256	7543.3	6932.3	6318.9	7527.4	8015.6	8090.1
GQ053856.1	461179	1962.8	2779.8	1518.0	2094.4	2554.9	3146.0
EU798945.1	330915	262.7	362.9	172.1	180.2	188.7	294.4
GQ062951.1	374892	955.6	1397.7	1459.1	1651.9	297.8	263.3
GQ000155.1	468720	451.2	599.8	480.3	307.3	357.4	648.6
GQ021520.1	488148	6512.9	7800.9	4502.8	4490.0	7311.0	7554.2
GQ074240.1	372798	2942.7	2984.8	1680.5	1154.8	147.2	847.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	47339
s__unclassified	47342
s__unclassified	47351
s__unclassified	47353
s__unclassified	47357
s__unclassified	47364
s__unclassified	47377
s__unclassified	47378
s__unclassified	47392
s__unclassified	47414
s__unclassified	47438
s__unclassified	47449
s__unclassified	47453
s__unclassified	47459
s__unclassified	47461
s__unclassified	47473
s__unclassified	47476
s__unclassified	47477
s__unclassified	47479
s__unclassified	47480
s__unclassified	47484
s__unclassified	47491
s__unclassified	47498
s__unclassified	47505
s__unclassified	47512
s__unclassified	47519
s__unclassified	47528
s__unclassified	47530
s__unclassified	47541
s__unclassified	47544
s__unclassified	47560
s__unclassified	47563
s__unclassified	47565
s__unclassified	47568
s__unclassified	47574
s__unclassified	47583
s__unclassified	47585
s__unclassified	47586
s__unclassified	47602
s__unclassified	47603
s__unclassified	47605

GQ081789.1 gg_id:420426 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ041639.1 gg_id:430998 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw930f04
GQ037100.1 gg_id:447367 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu388g08
GQ044295.1 gg_id:411012 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
FJ380961.1 gg_id:537565 Staphylococcus haemolyticus str. BQN1L-01d
GQ069072.1 gg_id:414846 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw
GQ058828.1 gg_id:438514 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ090282.1 gg_id:383631 Topographical and Temporal Human Skin Microbiome skin back clone nbw332c07c1
GQ041896.1 gg_id:466216 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
X86641.1 gg_id:14824 Staphylococcus sp str. AG-30
GQ065874.1 gg_id:381321 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94a04c
AM157439.1 gg_id:142047 Staphylococcus epidermidis mother V4
GQ081775.1 gg_id:415144 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ020542.1 gg_id:489127 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ051643.1 gg_id:453073 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu50
GQ087046.1 gg_id:391954 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ025527.1 gg_id:465582 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ058818.1 gg_id:391723 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ005604.1 gg_id:504060 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ099584.1 gg_id:439243 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw51
GU084442.1 gg_id:550096 Staphylococcus succinus str. AT4
AY167864.1 gg_id:77340 Staphylococcus epidermidis str. SAFR-016
GQ058459.1 gg_id:450531 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ051006.1 gg_id:444026 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ084296.1 gg_id:381294 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ074269.1 gg_id:428713 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
FJ832086.1 gg_id:537678 Staphylococcus sp. str. MRC5-7-5
GQ081918.1 gg_id:467462 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ112814.1 gg_id:434960 Topographical and Temporal Human Skin Microbiome skin nare clone nbw588f02c1
GQ018083.1 gg_id:491588 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbu
GQ056154.1 gg_id:442840 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ022338.1 gg_id:487331 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ058874.1 gg_id:380268 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ053751.1 gg_id:396047 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu57
GQ005789.1 gg_id:503874 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ041809.1 gg_id:414467 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932h0
GQ065876.1 gg_id:372988 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94a06c
EU379296.1 gg_id:258529 Staphylococcus hominis str. 6J-4b
GQ041958.1 gg_id:404670 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw934
GQ042504.1 gg_id:449327 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ039994.1 gg_id:452485 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor

GQ081789.1	420426	1119.5	2524.7	2137.8	2222.3	470.8	884.7
GQ041639.1	430998	1033.2	808.7	1058.6	1382.6	276.3	286.3
GQ037100.1	447367	1380.9	2887.2	1983.0	1110.8	1536.4	1737.0
GQ044295.1	411012	4279.0	3944.6	2094.6	5880.4	6282.3	6311.0
FJ380961.1	537565	582.7	920.4	366.5	203.2	317.7	586.3
GQ069072.1	414846	7291.1	9780.6	6456.3	7869.9	8222.1	8231.3
GQ058828.1	438514	1187.8	1513.1	691.2	787.8	446.0	566.3
GQ090282.1	383631	13819.7	14784.3	12005.3	13008.5	10514.1	12718.7
GQ041896.1	466216	16031.5	14743.2	12066.5	11329.2	12915.2	10762.6
X86641.1	14824	7517.1	8567.0	5566.3	6278.9	6196.2	5666.2
GQ065874.1	381321	1911.7	2655.9	2493.3	591.0	1266.4	1014.8
AM157439.1	142047	720.5	860.1	681.3	633.7	384.0	1195.8
GQ081775.1	415144	5924.7	8509.6	9483.2	5313.6	11475.6	7523.0
GQ020542.1	489127	3835.0	4215.0	3548.5	1617.6	213.7	770.0
GQ051643.1	453073	16022.7	17645.0	12150.5	14653.3	15404.2	15037.3
GQ087046.1	391954	1621.7	1982.4	1277.4	473.8	160.0	425.9
GQ025527.1	465582	2576.2	4823.6	2814.1	3972.7	5368.0	2681.0
GQ058818.1	391723	2670.4	2392.7	1540.3	3206.0	358.9	1291.0
GQ005604.1	504060	1621.1	1782.5	1511.6	1191.1	1554.4	1385.1
GQ099584.1	439243	333.4	457.4	391.2	905.4	110.4	531.7
GU084442.1	550096	685.9	1484.9	582.9	821.5	278.1	911.4
AY167864.1	77340	4081.5	3858.1	2187.1	3716.7	1600.6	1768.0
GQ058459.1	450531	2064.5	2116.9	2570.6	2664.3	2639.9	3724.6
GQ051006.1	444026	5549.1	5821.2	5295.9	9022.5	7408.7	10377.7
GQ084296.1	381294	9590.0	11143.5	15610.5	8262.5	7129.9	9971.6
GQ074269.1	428713	17047.1	17010.6	12384.0	13965.0	14973.9	14956.8
FJ832086.1	537678	12153.7	10325.8	6781.6	4154.1	3262.9	4727.1
GQ081918.1	467462	3487.0	5298.6	1458.6	3240.0	4320.8	2936.6
GQ112814.1	434960	2020.3	1778.2	999.9	1948.9	2853.8	4270.4
GQ018083.1	491588	650.6	1081.4	920.0	461.5	129.5	371.7
GQ056154.1	442840	8868.8	10784.9	5072.4	6336.4	1805.2	2482.0
GQ022338.1	487331	4072.3	4188.5	6181.9	7628.1	4838.3	4760.6
GQ058874.1	380268	1430.5	4172.1	2068.4	2248.6	5881.2	3264.1
GQ053751.1	396047	1271.7	1501.2	382.2	2672.5	2054.4	2186.2
GQ005789.1	503874	8582.5	11839.4	5188.3	6281.8	7613.3	6285.5
GQ041809.1	414467	8615.4	8830.1	6883.1	9530.0	5782.4	7274.6
GQ065876.1	372988	11410.0	15268.6	9638.6	9481.8	9664.5	6699.6
EU379296.1	258529	939.1	1353.5	1858.0	619.4	578.1	937.4
GQ041958.1	404670	1611.8	1352.4	1023.8	2878.8	497.6	1215.6
GQ042504.1	449327	4738.8	3471.0	2187.7	5991.7	2371.5	3482.2
GQ039994.1	452485	11871.7	12197.9	7378.7	11284.3	4304.1	5528.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	47625
s__unclassified	47626
s__unclassified	47636
s__unclassified	47642
s__unclassified	47643
s__unclassified	47651
s__unclassified	47659
s__unclassified	47661
s__unclassified	47663
s__unclassified	47676
s__unclassified	47688
s__unclassified	47693
s__unclassified	47696
s__unclassified	47700
s__unclassified	47706
s__unclassified	47707
s__unclassified	47709
s__unclassified	47728
s__unclassified	47730
s__unclassified	47740
s__unclassified	47764
s__unclassified	47766
s__unclassified	47774
s__unclassified	47777
s__unclassified	47801
s__unclassified	47802
s__unclassified	47805
s__unclassified	47808
s__unclassified	47818
s__unclassified	47821
s__unclassified	47828
s__unclassified	47830
s__unclassified	47831
s__unclassified	47839
s__unclassified	47841
s__unclassified	47843
s__unclassified	47846
s__unclassified	47852
s__unclassified	47857
s__unclassified	47862
s__unclassified	47864

GQ055142.1 gg_id:394531 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
EU664599.1 gg_id:284293 Staphylococcus epidermidis str. antarc
GQ042014.1 gg_id:429736 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw935
GQ022349.1 gg_id:487320 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ053754.1 gg_id:468223 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu57
GQ053193.1 gg_id:372854 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ068992.1 gg_id:412031 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw7
GQ031743.1 gg_id:438703 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ044203.1 gg_id:450422 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1020e(
EU379301.1 gg_id:269177 Staphylococcus haemolyticus str. 6J-8
GQ021537.1 gg_id:488131 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27
GQ022555.1 gg_id:487114 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ073892.1 gg_id:400431 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ039778.1 gg_id:397413 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu428h05
EU707796.1 gg_id:380713 Staphylococcus massiliensis str. CCUG 55927
EU554432.1 gg_id:273710 Staphylococcus haemolyticus str. Ag06
GQ039913.1 gg_id:429582 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ112199.1 gg_id:393405 Topographical and Temporal Human Skin Microbiome skin nare clone nbw585g05c1
GQ112002.1 gg_id:379952 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw583
FJ957497.1 gg_id:406248 Microbial Anaerobes Spacecraft Clean Rooms spacecraft clean room clone JPL-S2_C1
GQ016933.1 gg_id:492734 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbu113
GQ075294.1 gg_id:454723 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ051586.1 gg_id:466741 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ025146.1 gg_id:434456 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ100682.1 gg_id:420026 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ050925.1 gg_id:387022 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
S83568.1 gg_id:30519 Staphylococcus schleiferi
GQ058539.1 gg_id:391756 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ012304.1 gg_id:497362 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ068189.1 gg_id:447388 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw147
GQ041776.1 gg_id:438638 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932d1
GQ042893.1 gg_id:445584 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ053897.1 gg_id:407567 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1(
GQ113522.1 gg_id:373719 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ080789.1 gg_id:446573 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ047609.1 gg_id:419916 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(
GQ023137.1 gg_id:486532 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu3(
GQ040897.1 gg_id:380127 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw959h07(
AY592222.1 gg_id:101489 marine ANAMMOX sediment clone AY592222
GQ081762.1 gg_id:373850 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ046325.1 gg_id:436031 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw

GQ055142.1	394531	44.1	108.4	95.6	90.5	59.9	120.5
EU664599.1	284293	36.1	101.3	57.8	69.2	56.2	150.7
GQ042014.1	429736	3737.4	4828.8	3177.0	3066.6	4773.9	3196.9
GQ022349.1	487320	2018.2	2166.5	2946.5	1730.5	3394.4	3489.1
GQ053754.1	468223	413.8	555.9	431.7	186.1	107.8	1590.1
GQ053193.1	372854	3225.8	3262.4	1513.8	3017.8	3353.3	3549.7
GQ068992.1	412031	8429.3	11533.1	4543.3	7132.4	8666.8	8641.8
GQ031743.1	438703	663.4	1207.4	686.1	466.5	544.1	646.7
GQ044203.1	450422	179.2	170.9	372.0	99.3	105.0	505.1
EU379301.1	269177	640.2	883.8	424.5	128.0	244.5	358.1
GQ021537.1	488131	758.2	1327.2	1369.9	851.9	204.1	448.0
GQ022555.1	487114	1643.6	1296.1	1445.3	2137.1	96.9	195.0
GQ073892.1	400431	6698.3	8625.0	6138.3	6802.0	5240.8	6428.1
GQ039778.1	397413	390.5	882.4	151.8	423.8	399.3	574.7
EU707796.1	380713	8417.4	8560.2	5095.1	7770.9	8206.8	8258.9
EU554432.1	273710	11175.5	12771.6	6695.5	9579.8	14924.9	12107.4
GQ039913.1	429582	1123.1	797.1	990.3	1744.1	231.8	384.0
GQ112199.1	393405	2458.1	3175.0	2089.8	2362.4	3156.5	4034.2
GQ112002.1	379952	1582.4	3270.9	1710.7	2729.5	978.5	2143.9
FJ957497.1	406248	12279.2	11117.6	2730.0	6022.4	6493.8	6654.7
GQ016933.1	492734	1156.6	1627.7	769.9	1336.2	1122.4	805.0
GQ075294.1	454723	2337.7	3374.7	1904.7	1281.9	3363.8	2057.0
GQ051586.1	466741	192.0	358.2	755.2	740.2	82.3	193.8
GQ025146.1	434456	6502.3	5824.1	3513.3	6414.3	2097.6	3407.4
GQ100682.1	420026	2436.8	1744.0	2081.5	2726.8	3309.6	3200.4
GQ050925.1	387022	4857.1	6166.4	2918.9	4364.4	4069.9	2953.2
S83568.1	30519	477.8	635.8	765.3	240.9	281.2	531.4
GQ058539.1	391756	4169.3	4229.1	5324.2	4214.7	4078.3	3448.2
GQ012304.1	497362	3605.7	4398.6	1660.2	2292.8	3600.3	2900.0
GQ068189.1	447388	5949.5	6942.3	3023.3	3511.7	5695.0	5888.0
GQ041776.1	438638	2287.9	1940.2	1607.1	3150.4	688.4	862.6
GQ042893.1	445584	3972.8	2513.0	2221.9	4216.5	1402.0	2642.1
GQ053897.1	407567	9532.8	6934.5	6202.6	8058.2	2752.8	4794.7
GQ113522.1	373719	6692.9	6105.2	5212.0	4241.3	6910.8	5615.8
GQ080789.1	446573	248.6	430.9	194.2	96.5	90.1	297.0
GQ047609.1	419916	7060.0	8339.0	4704.8	5981.2	7877.1	7481.3
GQ023137.1	486532	4756.5	4879.0	9108.0	9053.3	5237.6	6867.1
GQ040897.1	380127	7142.9	8145.7	5689.4	7458.5	8376.6	7895.8
AY592222.1	101489	2959.1	2565.1	1306.2	1955.5	888.7	1034.1
GQ081762.1	373850	745.5	1187.4	1608.1	453.6	138.4	1009.4
GQ046325.1	436031	10043.7	12225.5	12193.9	8816.5	7055.3	6471.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus

s__unclassified	47881
s__unclassified	47886
s__unclassified	47905
s__unclassified	47908
s__unclassified	47910
s__unclassified	47912
s__unclassified	47914
s__unclassified	47940
s__unclassified	47947
s__unclassified	47948
s__unclassified	47953
s__unclassified	47954
s__unclassified	47961
s__unclassified	47978
s__unclassified	47981
s__unclassified	47990
s__unclassified	47992
s__unclassified	48004
s__unclassified	48010
s__unclassified	48029
s__unclassified	48036
s__unclassified	48039
s__unclassified	48048
s__unclassified	48061
s__unclassified	48069
s__unclassified	48079
s__unclassified	48085
s__unclassified	48092
s__unclassified	48097
s__unclassified	48111
s__unclassified	48121
s__unclassified	48137
s__unclassified	48138
s__unclassified	48142
s__unclassified	48146
s__unclassified	48149
s__unclassified	48156
s__unclassified	48162
s__unclassified	48163
s__unclassified	48166
s__unclassified	48174

GQ081905.1 gg_id:375982 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ065901.1 gg_id:388201 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94c08c
GQ056193.1 gg_id:382224 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ054357.1 gg_id:396264 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw1108
GQ000609.1 gg_id:469174 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ065882.1 gg_id:396863 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94a12c
GQ012049.1 gg_id:497617 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw796f07
GQ080106.1 gg_id:443165 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw113
GQ030746.1 gg_id:389249 Topographical and Temporal Human Skin Microbiome skin palm clone nbw882c05c1
GQ112684.1 gg_id:373346 Topographical and Temporal Human Skin Microbiome skin nare clone nbw586e07c1
GQ025460.1 gg_id:380964 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ054385.1 gg_id:405946 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ025262.1 gg_id:446303 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ042587.1 gg_id:451942 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ041479.1 gg_id:457266 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc
GQ025769.1 gg_id:380706 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ053828.1 gg_id:444736 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
FJ957523.1 gg_id:465670 Microbial Anaerobes Spacecraft Clean Rooms spacecraft clean room clone JPL-S2_MC
FJ389203.1 gg_id:553809 Staphylococcus devriesei str. KS-SP_27
GQ058627.1 gg_id:371105 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ020648.1 gg_id:489020 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ097877.1 gg_id:424453 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw398f10
GQ058318.1 gg_id:444147 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ041565.1 gg_id:370904 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw929f11
GQ085549.1 gg_id:434127 Topographical and Temporal Human Skin Microbiome skin palm clone nbw277d08c
GQ081400.1 gg_id:448236 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ058414.1 gg_id:393240 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ053126.1 gg_id:423155 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ030425.1 gg_id:390991 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw878a06c
GQ109937.1 gg_id:420186 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw6
AB233330.1 gg_id:161782 Staphylococcus fleurettii str. GTC 1999
GQ086793.1 gg_id:466939 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw3
GQ042507.1 gg_id:432110 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ057730.1 gg_id:387215 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
GQ020616.1 gg_id:489052 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl
GQ058548.1 gg_id:408662 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ110640.1 gg_id:421574 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ037066.1 gg_id:461076 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu388b11
GQ019163.1 gg_id:490504 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor
EF512729.1 gg_id:220295 Staphylococcus cohnii str. JL812
GQ114342.1 gg_id:433851 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw59

GQ081905.1	375982	1345.5	1751.2	1368.2	2595.4	268.8	495.2
GQ065901.1	388201	1533.9	1362.0	1226.8	3363.4	241.7	433.8
GQ056193.1	382224	6373.5	8953.5	7427.1	6634.4	7026.4	5450.7
GQ054357.1	396264	12078.4	11062.3	11414.2	11879.5	13280.7	9810.1
GQ000609.1	469174	8582.9	10836.5	6549.6	7998.2	8301.3	7346.4
GQ065882.1	396863	2363.3	3440.8	1643.5	2082.4	4229.9	2113.4
GQ012049.1	497617	8120.1	7905.9	2316.1	6057.7	2807.4	3226.5
GQ080106.1	443165	1151.8	1636.9	2442.1	1526.8	3720.1	3338.2
GQ030746.1	389249	1791.9	2501.4	1493.2	2064.5	2518.6	3120.2
GQ112684.1	373346	10839.8	10104.6	7387.8	10049.3	8025.1	6755.9
GQ025460.1	380964	984.0	656.6	714.6	809.6	132.2	357.0
GQ054385.1	405946	9038.6	9466.2	6103.7	10045.4	13479.8	10915.1
GQ025262.1	446303	9636.7	7800.8	10003.4	11620.2	14845.4	13561.8
GQ042587.1	451942	2145.4	1888.7	3112.1	4543.5	128.7	506.6
GQ041479.1	457266	9552.9	10244.2	8655.7	8255.0	9418.2	8869.7
GQ025769.1	380706	1667.9	2225.9	3035.4	2413.5	1879.8	1252.6
GQ053828.1	444736	1285.5	1670.4	742.5	1069.2	1740.4	1498.0
FJ957523.1	465670	184.8	170.7	386.2	133.0	42.9	156.8
FJ389203.1	553809	5172.6	5820.8	4147.2	5545.8	5555.5	5179.8
GQ058627.1	371105	1134.0	731.5	1276.0	807.0	131.8	841.3
GQ020648.1	489020	209.0	382.8	244.0	211.4	119.1	145.6
GQ097877.1	424453	446.3	305.2	995.0	262.2	107.8	1138.6
GQ058318.1	444147	2105.8	2838.6	2148.5	2153.3	2606.8	3676.1
GQ041565.1	370904	4364.0	4720.0	5290.3	4656.9	3444.0	2601.2
GQ085549.1	434127	15238.1	13415.6	10620.5	11111.1	11174.3	11838.6
GQ081400.1	448236	6948.3	7746.7	6217.7	7153.2	5227.8	4702.2
GQ058414.1	393240	2592.6	3009.4	6271.8	3359.1	555.4	2598.1
GQ053126.1	423155	3235.2	2882.6	2685.2	5653.4	1235.7	1460.3
GQ030425.1	390991	8483.1	10339.4	8783.8	8654.7	7414.7	8044.4
GQ109937.1	420186	8220.0	8925.2	10291.5	7351.0	8430.7	7391.4
AB233330.1	161782	223.4	491.8	534.1	306.0	86.0	763.6
GQ086793.1	466939	995.9	661.7	1075.9	807.8	119.3	903.1
GQ042507.1	432110	4407.2	4770.8	3414.9	3766.0	2106.8	2975.5
GQ057730.1	387215	276.4	428.2	602.4	534.2	484.0	526.5
GQ020616.1	489052	3183.3	6428.8	3210.2	2340.3	9602.0	4289.2
GQ058548.1	408662	12234.4	14060.2	8090.4	10888.8	10067.8	8695.5
GQ110640.1	421574	2669.2	6600.8	11891.3	2812.6	11413.8	7505.5
GQ037066.1	461076	12508.1	15238.0	10204.3	10095.4	15537.4	11527.5
GQ019163.1	490504	2319.5	1796.4	3194.5	3535.7	1403.9	2421.1
EF512729.1	220295	190.3	252.2	125.6	148.3	123.0	358.5
GQ114342.1	433851	782.0	1163.8	1548.0	380.4	97.7	882.0

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Staphylococcaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__Thermoactinomycetaceae
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified

g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__Staphylococcus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Laceyella
g__Laceyella
g__Mechercharimyces
g__Mechercharimyces
g__Mechercharimyces
g__Mechercharimyces
g__Planifilum
g__Planifilum
g__Planifilum
g__Shimazuella
g__Thermoactinomyces
g__Thermoactinomyces
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA

s__unclassified	48182
s__unclassified	48185
s__unclassified	48195
s__unclassified	48198
s__unclassified	48200
s__unclassified	42655
s__unclassified	42791
s__unclassified	43019
s__unclassified	43438
s__unclassified	43921
s__unclassified	43932
s__unclassified	44125
s__unclassified	46040
s__Laceyella sacchari	49671
s__unclassified	49946
s__Mechercharimyces mesophilus	48961
s__unclassified	48472
s__unclassified	48517
s__unclassified	49948
s__Planifilum fulgidum	48844
s__Planifilum fulgidum	49169
s__unclassified	49350
s__unclassified	48813
s__Thermoactinomyces vulgaris	49388
s__unclassified	48818
s__unclassified	48658
s__unclassified	49281
s__unclassified	49289
s__unclassified	49922
s__unclassified	42447
s__unclassified	42875
s__unclassified	42948
s__unclassified	43222
s__unclassified	43333
s__unclassified	43395
s__unclassified	43541
s__unclassified	43548
s__unclassified	43601
s__unclassified	43680
s__unclassified	43750
s__unclassified	45970

GQ022513.1 gg_id:487155 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31
GQ013974.1 gg_id:495694 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw8(
GQ058842.1 gg_id:451616 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
GQ043595.1 gg_id:390563 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1016b(
FJ380980.1 gg_id:576172 Staphylococcus haemolyticus str. BQN2T-01d
DQ116003.1 gg_id:129388 bovine teat canal clone D-22
DQ069223.1 gg_id:128398 sbsrfc mcrrgnsms mfc sll: implctns SLME's SA A mn cln SRB36
DQ115992.1 gg_id:132839 bovine teat canal clone B-63
DQ069205.1 gg_id:128067 gold mine clone MAB24
FM872548.1 gg_id:369705 occupant source house floor dust clone FA03A04
EU373366.1 gg_id:262857 Macrococcus brunensis str. TPL01
EU240887.1 gg_id:252685 Nosocomiicoccus ampullae str. TC-9
AY167812.1 gg_id:77365 Bacillus sp. str. SAFN-018
GQ153851.1 gg_id:396595 Laceyella sacchari str. T11-7
NR_025007.1 gg_id:559489 Laceyella putida str. KCTC 3666
AB239530.1 gg_id:144022 Thermoactinomyces sp. MBIC08001 str. YM3-653 (= MBIC08001)
AM940019.1 gg_id:266782 Desmospora activa str. IMMIB L-1269
AJ251778.1 gg_id:41281 Thermoactinomyces sanguinis str. CCUG 38657T
GQ163470.1 gg_id:593230 Trigonala elaeagnus str. HBUM2132
AB088363.1 gg_id:78838 Thermoactinomyces sp. str. C0170
DQ119659.1 gg_id:133383 Thermoactinomyces sp. str. LA5
AB088364.1 gg_id:78806 Thermoactinomyces sp. str. H0165
GU002061.1 gg_id:565318 Shimazuella sp. str. FXJ7.246
AF138732.1 gg_id:111744 Thermoactinomyces vulgaris str. KCTC 9557 ()
AF138734.1 gg_id:112113 Thermoactinomyces intermedius str. KCTC 9646 ()
AB362275.1 gg_id:272839 Thermoactinomyces sp. str. JAM-FM1001
AB002650.1 gg_id:14561 G+C gram-positive HTA1420
GQ015481.1 gg_id:494185 Topographical and Temporal Human Skin Microbiome skin back clone nbw817b04c1
AF138735.1 gg_id:22975 Thermoactinomyces peptonophilus str. KCTC 9740 ()
EU779111.1 gg_id:321618 Takin feces clone TAK_aaa01d06
EF371926.1 gg_id:212584 Planococcus pelagicus str. /HsP6(II)
EU465810.1 gg_id:289883 argali sheep feces clone AS2_aao35h09
EU466486.1 gg_id:297742 bighorn sheep feces clone BH2_aao24e06
Y07580.2 gg_id:14632 Drentse grassland soil clone DA011
EU778808.1 gg_id:328205 Springbok feces clone SBK_h08_1_1
EU773972.1 gg_id:327895 Cheetah feces clone CE2_e08_1
EU466699.1 gg_id:295198 argali sheep feces clone AS3_aao20b04
EU467930.1 gg_id:293972 cheetah feces clone CE2_d10
EU469351.1 gg_id:290034 springbok feces clone SBK_f02_1
EU467981.1 gg_id:301629 cheetah feces clone CE2_e05_1
EF636829.1 gg_id:277855 Metagenomic and Namib desert sand clone 1

GQ022513.1	487155	5663.1	6180.8	6968.3	8628.2	4942.9	6343.3
GQ013974.1	495694	5723.1	4609.5	2177.3	1007.4	152.2	837.1
GQ058842.1	451616	4341.0	5609.9	2170.1	1811.0	5045.9	3034.7
GQ043595.1	390563	2869.6	3723.1	2637.4	2861.4	4155.0	3776.4
FJ380980.1	576172	568.2	912.1	377.2	200.2	318.6	590.0
DQ116003.1	129388	1118.8	820.4	862.4	3158.1	154.9	935.3
DQ069223.1	128398	7231.2	6497.5	7682.8	8414.0	5913.0	7650.5
DQ115992.1	132839	8254.0	6862.5	4809.7	6496.8	7809.2	7098.1
DQ069205.1	128067	3443.2	3738.7	4392.2	2254.5	4753.0	4042.3
FM872548.1	369705	1047.6	1345.2	823.7	1119.6	2277.7	2153.6
EU373366.1	262857	36.0	73.9	166.2	66.3	120.6	71.0
EU240887.1	252685	1789.8	1899.0	1157.8	2401.9	1091.0	996.0
AY167812.1	77365	164.0	196.6	521.1	84.7	103.8	136.2
GQ153851.1	396595	997.9	1635.7	2797.7	792.2	1442.0	1707.8
NR_025007.1	559489	2062.9	2142.8	3561.5	2397.9	1986.5	1913.5
AB239530.1	144022	94.2	140.4	169.5	105.3	115.4	82.2
AM940019.1	266782	2371.6	2518.7	2701.8	2743.8	3403.7	2643.7
AJ251778.1	41281	34.4	72.4	24.5	49.2	63.5	32.3
GQ163470.1	593230	15.0	28.7	31.0	48.2	68.1	35.2
AB088363.1	78838	5565.3	4880.0	2968.8	2905.7	816.7	2115.9
DQ119659.1	133383	947.5	1719.5	1641.6	535.7	1232.6	1492.0
AB088364.1	78806	1172.3	892.5	1654.6	736.5	795.3	1338.7
GU002061.1	565318	35.2	115.7	93.2	49.6	51.3	25.7
AF138732.1	111744	2088.2	2325.0	1912.1	504.5	188.1	1376.7
AF138734.1	112113	1822.6	2542.8	2239.2	1271.3	1837.4	1604.7
AB362275.1	272839	6891.6	5550.5	1794.8	1476.8	449.6	649.7
AB002650.1	14561	37.5	49.0	35.7	48.8	70.1	38.2
GQ015481.1	494185	4245.6	6172.5	3738.7	1781.8	1775.1	1668.6
AF138735.1	22975	1609.7	899.0	3418.7	2423.4	950.5	872.3
EU779111.1	321618	1322.4	1359.8	1861.7	1182.1	551.1	1353.9
EF371926.1	212584	591.8	821.7	1039.6	503.5	293.2	1728.1
EU465810.1	289883	10131.4	10986.6	5950.0	7220.5	9931.2	9761.5
EU466486.1	297742	3270.0	3533.4	4192.9	4221.7	5148.2	7948.0
Y07580.2	14632	6815.3	8255.0	8857.3	7454.1	7894.7	8529.3
EU778808.1	328205	978.9	1377.4	1304.5	1815.8	294.1	888.8
EU773972.1	327895	13931.3	14005.5	8920.4	11689.3	13493.9	12339.9
EU466699.1	295198	716.6	611.5	2026.7	911.3	89.2	1187.1
EU467930.1	293972	9963.4	9243.2	9425.4	8026.5	5457.1	6718.6
EU469351.1	290034	9775.5	9086.1	6246.6	9411.0	4165.4	5942.5
EU467981.1	301629	837.5	1119.2	642.5	232.9	232.4	421.5
EF636829.1	277855	869.2	1858.2	2993.6	1052.5	619.1	1458.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Bacillales	f__unclassified
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Exiguobacterales	f__Exiguobacteraceae
o__Gemellales	f__Gemellaceae

g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfA
g__sfB
g__sfB
g__sfB
g__sfC
g__sfD
g__sfE
g__sfF
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Exiguobacterium
g__Gemella

s__unclassified	46094
s__unclassified	46496
s__unclassified	47028
s__unclassified	47721
s__unclassified	47729
s__unclassified	47974
s__unclassified	48442
s__unclassified	48444
s__unclassified	48578
s__unclassified	48950
s__unclassified	48342
s__unclassified	48793
s__unclassified	48947
s__unclassified	49106
s__unclassified	44088
s__unclassified	49198
s__unclassified	42520
s__Exiguobacterium aurantiacum	46825
s__Exiguobacterium aurantiacum	47026
s__Exiguobacterium aurantiacum	47882
s__Exiguobacterium aurantiacum	48042
s__Exiguobacterium indicum	46569
s__Exiguobacterium indicum	47208
s__Exiguobacterium indicum	47485
s__Exiguobacterium sibiricum	46936
s__Exiguobacterium sibiricum	47893
s__unclassified	46022
s__unclassified	46099
s__unclassified	46202
s__unclassified	46216
s__unclassified	46632
s__unclassified	46800
s__unclassified	46854
s__unclassified	47018
s__unclassified	47179
s__unclassified	47554
s__unclassified	47763
s__unclassified	47812
s__unclassified	47968
s__unclassified	48175
s__Gemella sanguinis	43856

D16279.1 gg_id:14492 Bacillus racemilacticus str. IAM12319
EF590060.2 gg_id:228248 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni
AY642582.1 gg_id:202831 and carbonate precipitation giant microbialites ly alkaline Lake Van Turkey microbiali
AM711118.1 gg_id:265604 Scopulibacillus darangshiensis str. DLS-06
DQ083102.1 gg_id:131214 soil clone X17
EF515940.1 gg_id:224822 grassland soil clone FCPN728
DQ448756.1 gg_id:157711 Bacillus sp. str. CNJ775 PL04
FJ478789.1 gg_id:591482 species richness estimates obtained nearly and simulated pyrosequencing-generated
EU134633.1 gg_id:246398 tallgrass prarie soil clone FFCH11580
EU571191.1 gg_id:268803 Bacillus sp. str. 25-3
FJ671330.1 gg_id:523662 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AB002648.1 gg_id:14559 G+C gram-positive HTA1422
NR_025005.1 gg_id:562523 Thermoflavimicrobium dichotomicum str. KCTC 3667
AF332545.1 gg_id:40011 Bacillus thuringiensis B73
AY597525.2 gg_id:150661 Photorhabdus luminescens PDBC EPN6.71
AF332544.1 gg_id:41058 Bacillus megaterium B70
EU365680.1 gg_id:269842 Bacillus cereus str. M-7
DQ351341.1 gg_id:155340 Exiguobacterium homiense str. H1-R8
AF227839.1 gg_id:40417 str. 61610
DQ235551.1 gg_id:143456 biofilm water pipeline biofilms steel pipelines Gulf Mexico
X70316.1 gg_id:14691 Exiguobacterium aurantiacum str. NCDO 2321
X70313.1 gg_id:14688 Exiguobacterium acetylicum str. NCIMB 9889
GQ284484.1 gg_id:570858 Exiguobacterium indicum str. TDWCW4
GQ284470.1 gg_id:590797 Exiguobacterium indicum str. PCWCW1
CP001022.1 gg_id:267150 Exiguobacterium sibiricum str. 255-15
DQ019165.1 gg_id:153908 Exiguobacterium undae str. DSM 14481
D55730.1 gg_id:14687 Exiguobacterium acetylicum str. IFO12146
FJ970034.1 gg_id:374212 Exiguobacterium acetylicum str. QD-3
DQ019164.1 gg_id:154203 Exiguobacterium antarcticum str. DSM 14480
GQ284483.1 gg_id:584187 Exiguobacterium indicum str. TDWCW3
EF100862.1 gg_id:190839 Exiguobacterium sp. CON-C-8
FJ821599.1 gg_id:552284 Exiguobacterium sp. str. TPS3
AB334767.1 gg_id:253456 Exiguobacterium undae str. 5
GQ284346.1 gg_id:566992 Exiguobacterium acetylicum str. THWCSN38
AB105164.1 gg_id:93416 Exiguobacterium oxidotolerans str. T-2-2
FJ210797.1 gg_id:339135 Exiguobacterium sp. str. QDHT-01
X86600.1 gg_id:14694 Bacillus sp str. S2-97
GQ284477.1 gg_id:587191 Exiguobacterium indicum str. PCWCW8
EU847143.1 gg_id:311208 Exiguobacterium aestuarii str. SR 101
AJ344151.1 gg_id:72912 Exiguobacterium undae str. L2
Y13364.1 gg_id:14922 Gemella sanguinis str. 2045-94

D16279.1	14492	335.8	643.6	679.4	750.6	698.3	2609.6
EF590060.2	228248	682.8	1165.8	3029.0	367.1	1152.0	1157.6
AY642582.1	202831	1225.3	2223.5	2722.2	2235.3	334.3	918.8
AM711118.1	265604	2950.1	3082.6	2323.8	1393.3	3557.7	3368.1
DQ083102.1	131214	752.4	1364.4	5473.4	965.4	710.4	2596.4
EF515940.1	224822	5681.5	5602.3	8007.3	9505.2	6362.4	9148.5
DQ448756.1	157711	2485.6	4341.1	3027.2	2414.2	3030.0	3244.2
FJ478789.1	591482	692.2	1558.3	2916.2	706.4	675.9	2110.3
EU134633.1	246398	295.4	513.5	649.4	128.2	145.7	367.6
EU571191.1	268803	410.4	603.7	856.6	670.7	292.7	1328.8
FJ671330.1	523662	4051.9	4486.8	7313.0	4669.5	4256.9	4388.9
AB002648.1	14559	93.1	121.4	230.2	98.4	69.9	264.1
NR_025005.1	562523	52.2	111.1	222.1	79.0	66.6	55.8
AF332545.1	40011	86.5	238.4	93.4	163.5	98.2	196.8
AY597525.2	150661	1163.8	1362.6	1189.8	1660.1	1653.7	3278.5
AF332544.1	41058	6586.9	8451.6	3546.4	8191.9	11178.9	9472.5
EU365680.1	269842	137.3	304.6	475.1	208.6	106.4	2148.2
DQ351341.1	155340	897.3	1728.7	1818.2	1074.4	326.8	516.4
AF227839.1	40417	2033.9	3399.1	3055.2	2833.0	2546.3	3105.4
DQ235551.1	143456	4562.3	7787.0	3118.8	3743.9	4254.1	4958.7
X70316.1	14691	1320.5	2441.6	1854.9	2267.8	2228.8	2012.3
X70313.1	14688	960.6	1798.4	4499.5	1112.3	1249.5	2022.1
GQ284484.1	570858	1266.2	2428.3	2004.5	1541.4	1439.8	1903.4
GQ284470.1	590797	2363.8	3418.4	3664.2	2086.9	911.4	2175.2
CP001022.1	267150	406.0	1968.9	3175.5	719.6	617.7	1166.7
DQ019165.1	153908	2650.9	4353.7	5847.2	2378.4	1155.3	2374.2
D55730.1	14687	2039.8	2924.2	4237.7	2312.9	1840.6	3043.8
FJ970034.1	374212	2023.8	3441.6	3575.4	2257.9	1826.8	3027.7
DQ019164.1	154203	2455.5	3437.7	5436.6	1940.2	1957.1	2549.3
GQ284483.1	584187	1383.2	2966.4	2064.0	1672.8	2428.7	2395.1
EF100862.1	190839	322.7	912.2	1670.5	227.4	106.5	568.6
FJ821599.1	552284	8728.9	9266.4	7237.7	8680.2	15549.4	11481.3
AB334767.1	253456	774.0	2243.6	2776.3	865.8	339.8	952.0
GQ284346.1	566992	6654.7	6904.0	6077.6	6024.6	4536.9	5586.4
AB105164.1	93416	569.9	1863.0	4807.7	1096.3	970.8	1443.7
FJ210797.1	339135	10914.5	11169.9	8042.5	8534.4	7583.8	9908.2
X86600.1	14694	9884.7	11870.3	5184.7	7133.7	7759.8	8786.5
GQ284477.1	587191	2008.7	3235.7	3225.7	2240.6	1736.5	2916.7
EU847143.1	311208	1881.6	3516.1	3523.3	1676.1	326.2	1206.2
AJ344151.1	72912	3764.1	5066.2	6313.0	3812.7	2454.0	3657.8
Y13364.1	14922	131.4	462.2	37.5	69.8	54.6	22.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Gemellales	f__Gemellaceae
o__Haloplasmatales	f__Haloplasmataceae
o__Haloplasmatales	f__Haloplasmataceae
o__Haloplasmatales	f__Haloplasmataceae
o__Haloplasmatales	f__Haloplasmataceae
o__Haloplasmatales	f__Haloplasmataceae
o__Haloplasmatales	f__Haloplasmataceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae

g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Gemella
g__Haloplasma
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Abiotrophia
g__Abiotrophia
g__Abiotrophia
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Aerococcus
g__Facklamia
g__Facklamia
g__Facklamia
g__Facklamia
g__Facklamia
g__Facklamia
g__Facklamia

s__unclassified	42519
s__unclassified	42844
s__unclassified	42858
s__unclassified	42942
s__unclassified	42962
s__unclassified	43015
s__unclassified	43187
s__unclassified	43615
s__unclassified	43780
s__unclassified	43833
s__unclassified	43887
s__unclassified	44047
s__unclassified	43684
s__unclassified	42652
s__unclassified	42693
s__unclassified	42951
s__unclassified	43527
s__unclassified	43635
s__Abiotrophia defectiva	44103
s__unclassified	43298
s__unclassified	44027
s__Aerococcus sanguinicola	43308
s__Aerococcus urinae	43014
s__Aerococcus urinae	43437
s__Aerococcus urinae	44124
s__Aerococcus viridans	73018
s__unclassified	43110
s__unclassified	43147
s__unclassified	43279
s__unclassified	43775
s__unclassified	71929
s__unclassified	72388
s__unclassified	72407
s__unclassified	72434
s__Facklamia sourekii	43587
s__unclassified	42816
s__unclassified	43094
s__unclassified	43124
s__unclassified	43444
s__unclassified	43693
s__unclassified	43751

GQ079384.1 gg_id:449089 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1129g
EF509675.1 gg_id:226514 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug
FM873785.1 gg_id:370109 occupant source house mattress dust clone MA04F09
GQ087754.1 gg_id:423895 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
AJ251987.1 gg_id:45265 Gemella sp. str. M60449/99/1 T
GQ006874.1 gg_id:502790 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu88g11c
GQ023356.1 gg_id:486313 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu317d07
EU427463.1 gg_id:258882 Gemella sp. str. WAL 1945J
GQ006635.1 gg_id:503029 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu85h02c
Y13365.1 gg_id:14920 Gemella bergeri str. 617-93
DQ113771.1 gg_id:129485 dog jejunum clone J5-76
AM420049.1 gg_id:236798 Noma subgingival plaque clone 202F06(oral)
EF999972.1 gg_id:278692 Haloplasma contractile str. SSD-17B
EF586062.1 gg_id:245842 Methanol-assimilating anaerobic solid waste digester fed methanol clone M55_D21_
EF585995.1 gg_id:240344 Methanol-assimilating anaerobic solid waste digester fed methanol clone B55_K_B_F
GU455254.1 gg_id:519748 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir
EF586039.1 gg_id:248439 Methanol-assimilating anaerobic solid waste digester fed methanol clone M55_D15_
DQ431898.1 gg_id:204684 microorganisms catalyzing nitrogen removal and organic matter metabolism perme
NZ_ACIL02000016.1 gg_id:469920 Catonella morbi str. ATCC 51271
DQ113697.1 gg_id:129773 dog duodenum clone D5-23
DQ113716.1 gg_id:130850 dog jejunum clone J1-18
AF318316.1 gg_id:35088 Aerococcus sanguinicola str. BBMML 01
U64456.1 gg_id:15070 Aerococcus urinae str. F1-84
U64457.1 gg_id:15071 Aerococcus urinae str. G1-84
U64460.1 gg_id:15074 Aerococcus urinae str. 998-93
AY707773.1 gg_id:136245 Aerococcus viridans str. 37R
EU289060.1 gg_id:254233 microbiome cloacal openings urogenital and anal tracts tammar wallaby Macropus e
EU289078.1 gg_id:237214 microbiome cloacal openings urogenital and anal tracts tammar wallaby Macropus e
Y17318.1 gg_id:15076 Aerococcus christensenii str. CCUG 28826
AJ278341.2 gg_id:23513 Aerococcus urinaehominis str. CCUG 42038b
EU075039.1 gg_id:238621 Aerococcus viridans str. 15MS
AM230658.1 gg_id:196766 Aerococcus suis str. 1821-02
AM292063.1 gg_id:250567 Aerococcus viridans zf-68-I
GQ161096.1 gg_id:412780 Aerococcus viridans str. GDQY-1
NR_029351.1 gg_id:593109 Facklamia sourekii str. SS 1019; CCUG 28783; ATCC 700629
Y15716.1 gg_id:52354 Facklamia ignava
GQ071953.1 gg_id:425055 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw190d0
Y18053.1 gg_id:15053 Facklamia languida str. 1144-97
FM873282.1 gg_id:366119 occupant source house floor dust clone FD01A09
GQ497941.1 gg_id:561734 Facklamia sp. str. KO_PS21
Y16426.1 gg_id:15060 Ignavigranum ruoffiae str. CCUG 37658

GQ079384.1	449089	9036.5	9120.5	9288.5	10798.8	11003.1	10935.4
EF509675.1	226514	2602.6	2811.5	1239.2	2726.0	1119.4	2217.1
FM873785.1	370109	1478.3	5111.4	1951.3	3295.9	6516.8	5325.4
GQ087754.1	423895	10752.0	11210.0	8801.8	9342.8	12567.5	10111.7
AJ251987.1	45265	49.6	82.1	47.3	269.1	72.7	34.1
GQ006874.1	502790	60.3	327.2	48.4	64.1	74.3	57.7
GQ023356.1	486313	959.8	1735.8	1556.7	861.1	2076.4	1521.7
EU427463.1	258882	76.5	306.3	886.9	150.8	58.6	252.1
GQ006635.1	503029	9555.9	10798.5	9306.9	8573.7	7637.5	9268.2
Y13365.1	14920	59.7	251.9	60.9	90.5	53.7	38.5
DQ113771.1	129485	27.0	208.8	27.1	36.7	57.5	29.7
AM420049.1	236798	11937.8	13136.3	5131.4	10330.1	10431.7	11174.8
EF999972.1	278692	4451.6	4880.2	3480.2	6041.8	10155.1	9272.5
EF586062.1	245842	3134.0	3193.2	2623.3	4034.2	2584.9	3104.8
EF585995.1	240344	4215.2	4489.5	3994.9	6858.9	5186.4	4386.8
GU455254.1	519748	2797.2	3231.4	2300.9	3462.7	2741.7	4150.7
EF586039.1	248439	5679.7	5892.7	4589.4	6264.5	6097.4	6467.6
DQ431898.1	204684	66.8	162.1	194.9	98.2	131.2	136.9
NZ_ACIL02000016.1	469920	549.6	1314.7	3551.4	748.6	1666.7	2250.5
DQ113697.1	129773	2980.5	4060.2	3977.6	2920.6	10458.0	6705.4
DQ113716.1	130850	1551.3	2366.2	1727.2	1672.8	1148.7	1591.1
AF318316.1	35088	9162.6	5970.5	2271.8	1199.4	2902.7	1594.0
U64456.1	15070	615.8	881.6	1017.1	888.6	946.0	1507.6
U64457.1	15071	827.0	1550.1	2486.2	1057.5	915.7	3795.7
U64460.1	15074	2624.8	2836.6	4196.9	5306.8	1472.3	2823.8
AY707773.1	136245	632.2	1136.5	2838.9	866.9	2719.5	3623.7
EU289060.1	254233	97.1	176.9	260.2	110.6	372.9	130.5
EU289078.1	237214	1007.3	1672.9	2862.0	1242.5	3357.2	2729.6
Y17318.1	15076	1418.2	1173.5	2626.2	1874.4	2321.2	1605.8
AJ278341.2	23513	33.2	69.2	30.6	62.2	76.1	37.9
EU075039.1	238621	104.6	240.8	530.6	438.2	111.3	728.4
AM230658.1	196766	626.9	628.7	468.5	651.8	139.0	154.2
AM292063.1	250567	4363.0	5273.2	5423.7	5103.7	10318.4	9934.1
GQ161096.1	412780	95.7	185.3	489.6	428.9	115.3	548.0
NR_029351.1	593109	41.3	172.6	289.0	61.9	62.5	85.5
Y15716.1	52354	57.9	69.1	76.0	93.7	59.9	55.4
GQ071953.1	425055	6990.7	5879.9	7692.8	5646.5	2667.5	6151.8
Y18053.1	15053	610.2	1348.0	164.5	281.9	371.1	1087.4
FM873282.1	366119	368.3	770.9	1118.4	850.9	723.5	1847.3
GQ497941.1	561734	92.4	121.7	60.1	105.3	56.3	46.4
Y16426.1	15060	26.0	32.4	42.5	66.2	84.0	25.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Aerococcaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae

g__Facklamia
g__Facklamia
g__Facklamia
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__A.otid_group
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alkalibacterium
g__Alloiococcus
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium

s__unclassified	43871
s__unclassified	44011
s__unclassified	44138
s__unclassified	42498
s__unclassified	42545
s__unclassified	42598
s__unclassified	42634
s__unclassified	42694
s__unclassified	42878
s__unclassified	43044
s__unclassified	43159
s__unclassified	43320
s__unclassified	43419
s__unclassified	43423
s__unclassified	43835
s__unclassified	43968
s__unclassified	44065
s__bacterium1_from_P.ovis	43500
s__Alkalibacterium iburiense	42576
s__Alkalibacterium indicireducens	43449
s__Alkalibacterium kapii	42981
s__Alkalibacterium kapii	43070
s__Alkalibacterium kapii	43090
s__Alkalibacterium olivapovliticus	43460
s__Alkalibacterium psychrotolerans	43313
s__Alkalibacterium putridalgicola	43607
s__unclassified	43808
s__unclassified	43984
s__Alloiococcus otitis	43590
s__Carnobacterium divergens	72531
s__Carnobacterium divergens	73105
s__Carnobacterium maltaromaticum	72050
s__Carnobacterium maltaromaticum	72593
s__Carnobacterium maltaromaticum	72752
s__Carnobacterium maltaromaticum	72936
s__Carnobacterium maltaromaticum	73134
s__Carnobacterium viridans	71817
s__Carnobacterium viridans	71908
s__Carnobacterium viridans	72078
s__Carnobacterium viridans	72207
s__Carnobacterium viridans	72357

NR_025307.1 gg_id:537370 Dolosicoccus paucivorans str. 2992-95; CCUG 39307
GQ071986.1 gg_id:390110 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw190g07
FJ671853.1 gg_id:520766 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674961.1 gg_id:517319 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ002938.1 gg_id:506724 Topographical and Temporal Human Skin Microbiome skin occiput clone nbu182e09
GQ060659.1 gg_id:463917 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw03g08
FM873468.1 gg_id:369668 occupant source house floor dust clone FD04B03
EU341289.1 gg_id:240694 Evaluation Rapid Technologies Estimate Microbial Burden and Commercial Airline Ca
FJ672272.1 gg_id:515704 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
Y17780.1 gg_id:74511 Eremococcus coleocola str. M1832/95/2
GQ068237.1 gg_id:399188 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw148
AJ279038.1 gg_id:16600 Aerosphaera taetra str. CCUG 43036T
AY959019.1 gg_id:132717 Microbes on human vaginal epithelium clone rRNA246
GQ020706.1 gg_id:488962 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
FJ672416.1 gg_id:527548 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ024094.1 gg_id:485575 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw
FJ672485.1 gg_id:531811 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AF124041.1 gg_id:15240 sheep scab mite clone #1
AB188091.1 gg_id:104418 Alkalibacterium iburiensis str. M3
AB268550.1 gg_id:186973 Alkalibacterium polygonumreducens str. F11
AB294173.1 gg_id:368743 Alkalibacterium kapii str. T82-5-1
EU845714.1 gg_id:349078 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
GQ351352.1 gg_id:542881 Alkalibacterium sp. str. G4
AF143512.2 gg_id:15252 Alkalibacterium olivapovliticus str. WW2-SN4c
AB294176.1 gg_id:361292 Alkalibacterium psychrotolerans str. JCM 12281
AB294169.1 gg_id:364463 Alkalibacterium putridalgicola str. O26-12-2
X92169.1 gg_id:27088 Lake Nakuru isolate WN16
GQ848212.1 gg_id:556700 and Archaeal Xiarinur Soda Lake Water-sediment Interface water-sediment interfac
X59765.1 gg_id:15237 Alloiococcus otitis str. NCFB 2890
AY543021.1 gg_id:103243 Carnobacterium divergens MF 156
AY543036.1 gg_id:100049 Carnobacterium divergens MF 66
AY543031.1 gg_id:99269 Carnobacterium maltaromaticum MF 204
GQ304934.1 gg_id:568366 Carnobacterium maltaromaticum str. MMF-26
GQ304938.1 gg_id:581552 Carnobacterium maltaromaticum str. MMF-30
GQ304920.1 gg_id:559437 Carnobacterium maltaromaticum str. MMF-12
AM179873.1 gg_id:150460 Carnobacterium maltaromaticum B26
DQ027061.1 gg_id:134675 Carnobacterium sp. str. AT7
EU845619.1 gg_id:312732 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
EU845247.1 gg_id:313812 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
L08623.1 gg_id:15257 Carnobacterium alterfunditum
EU845677.1 gg_id:309286 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi

NR_025307.1	537370	1690.4	1787.7	838.4	274.0	620.0	515.2
GQ071986.1	390110	3313.6	1734.0	1372.7	2399.4	965.6	1097.2
FJ671853.1	520766	4320.7	6889.1	2735.0	3823.5	5583.9	5116.5
FJ674961.1	517319	968.0	2656.0	1507.3	3506.9	3081.8	1080.5
GQ002938.1	506724	381.7	428.4	515.7	216.3	116.4	566.5
GQ060659.1	463917	2936.2	4930.6	2969.5	2647.4	2184.4	2346.8
FM873468.1	369668	2335.1	2765.0	1116.9	533.3	220.8	678.5
EU341289.1	240694	585.9	1276.7	1474.1	1089.2	1786.1	1135.1
FJ672272.1	515704	8355.2	10102.6	3855.9	6299.1	8981.6	8001.2
Y17780.1	74511	169.3	608.7	2403.3	179.4	2470.3	1587.4
GQ068237.1	399188	11927.6	12175.3	6311.9	8155.2	9392.1	9344.8
AJ279038.1	16600	23.7	35.0	17.7	53.8	70.2	27.3
AY959019.1	132717	2716.4	4361.2	4461.4	4745.8	3552.2	3903.4
GQ020706.1	488962	4545.0	5970.8	6433.8	4547.5	3826.0	5071.4
FJ672416.1	527548	31.4	40.9	28.3	53.9	45.2	198.3
GQ024094.1	485575	1000.2	2303.9	3718.9	2243.6	6987.8	5263.4
FJ672485.1	531811	132.2	209.8	105.1	122.8	125.2	135.3
AF124041.1	15240	1149.4	1452.5	1360.7	1146.9	719.6	1142.1
AB188091.1	104418	5874.3	6156.8	3056.9	3336.5	5985.7	3914.0
AB268550.1	186973	6409.7	8637.2	4615.9	4532.9	3604.5	3225.0
AB294173.1	368743	2472.6	3971.1	3915.9	2384.5	4079.0	3314.4
EU845714.1	349078	4094.7	6908.5	4895.4	3424.4	4278.1	4029.5
GQ351352.1	542881	3499.2	5430.9	5735.3	2437.9	3187.9	4368.2
AF143512.2	15252	4137.0	7135.6	4164.2	2844.3	1645.8	3066.5
AB294176.1	361292	2154.1	3005.2	3039.9	1951.1	5425.5	2988.3
AB294169.1	364463	4264.4	5999.7	5435.5	3143.6	5606.1	4327.0
X92169.1	27088	1495.4	2195.6	1909.2	1528.0	1464.7	1649.0
GQ848212.1	556700	7602.5	11218.8	8670.5	6965.1	7142.4	5012.2
X59765.1	15237	572.3	762.3	1495.0	484.8	844.1	1026.4
AY543021.1	103243	12086.0	12629.4	11339.7	9462.9	13461.1	10476.0
AY543036.1	100049	2262.6	1353.4	3201.3	1596.3	1015.8	998.3
AY543031.1	99269	3759.3	4003.8	6395.1	5364.8	3193.1	5369.3
GQ304934.1	568366	2944.2	3147.6	5708.0	3914.0	3303.0	5343.1
GQ304938.1	581552	3162.8	3175.3	5771.3	3949.6	3317.1	5789.2
GQ304920.1	559437	9346.4	8031.2	8330.4	10193.6	11219.9	10025.7
AM179873.1	150460	4910.2	4434.1	6751.5	6175.6	4346.8	7028.7
DQ027061.1	134675	4537.5	2592.6	1053.4	4264.6	4906.1	5231.8
EU845619.1	312732	77.5	112.2	739.2	134.7	330.7	128.2
EU845247.1	313812	2383.9	2760.6	3151.5	2148.9	2860.4	3164.6
L08623.1	15257	726.4	811.5	2523.5	565.5	987.0	1699.6
EU845677.1	309286	7427.0	7604.3	9575.0	6764.1	11172.4	8503.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae

g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Carnobacterium
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Desemzia
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Granulicatella
g__Marinilactibacillus
g__Marinilactibacillus
g__Marinilactibacillus

s__Carnobacterium viridans	72363
s__Carnobacterium viridans	72476
s__Carnobacterium viridans	72552
s__Carnobacterium viridans	72633
s__Carnobacterium viridans	72696
s__Carnobacterium viridans	73031
s__unclassified	71823
s__unclassified	71835
s__unclassified	71865
s__unclassified	72088
s__unclassified	72222
s__unclassified	72951
s__unclassified	73005
s__Desemzia incerta	72064
s__Desemzia incerta	72385
s__unclassified	71882
s__unclassified	71912
s__unclassified	72380
s__unclassified	72387
s__unclassified	72394
s__unclassified	72398
s__unclassified	72449
s__unclassified	72613
s__unclassified	72750
s__unclassified	72806
s__unclassified	72834
s__unclassified	72878
s__unclassified	72919
s__unclassified	72924
s__Granulicatella adiacens	43817
s__Granulicatella elegans	43987
s__Granulicatella elegans	44055
s__Granulicatella elegans	44089
s__unclassified	42537
s__unclassified	42619
s__unclassified	43034
s__unclassified	43338
s__unclassified	43428
s__Marinilactibacillus psychrotolerans	42744
s__Marinilactibacillus psychrotolerans	43628
s__unclassified	43867

EU845485.1 gg_id:325830 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
NR_025197.1 gg_id:566585 Carnobacterium viridans str. MPL-11; ATCC BAA-336
AM111051.1 gg_id:140940 Carnobacterium sp. str. 7196
DQ778093.1 gg_id:166840 Carnobacterium sp. str. LIV10
EU817500.1 gg_id:332765 Carnobacterium sp. str. MS3
EU845027.1 gg_id:353898 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
AF184247.1 gg_id:36062 Carnobacterium maltaromaticum str. BA
S86170.1 gg_id:15243 Carnobacterium funditum str. pf3 (DSM 5970)
AJ387905.1 gg_id:16452 Carnobacterium gallinarum str. DSM 4847(T) NCFB 2766(T)
AM179875.1 gg_id:146934 Carnobacterium divergens B33
GQ008057.1 gg_id:501608 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw:
EU773383.1 gg_id:326100 BigHorn sheep feces clone BH2_aao23f01
GQ008163.1 gg_id:501503 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw:
FJ674675.1 gg_id:522048 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
Y17300.1 gg_id:15259 Desemzia incerta str. DSM 20581
FJ674414.1 gg_id:512638 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674411.1 gg_id:522459 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674427.1 gg_id:515642 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675581.1 gg_id:530569 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675028.1 gg_id:509443 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671781.1 gg_id:525552 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674863.1 gg_id:520714 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674821.1 gg_id:525603 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674822.1 gg_id:526054 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672402.1 gg_id:516922 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674570.1 gg_id:524856 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671977.1 gg_id:516168 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674634.1 gg_id:527071 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ194014.1 gg_id:353870 Genetic inventory 'KSC-Astrotek' spacecraft assembly clean room during DAWN missi
AY879299.1 gg_id:141939 Granulicatella adiacens str. 03252090
AF016390.1 gg_id:15054 Granulicatella elegans str. DSM 11693; B1333
AB022026.1 gg_id:15057 Granulicatella elegans str. HHC5
AB252689.1 gg_id:216513 Granulicatella elegans str. PAGU 792
AJ312375.1 gg_id:70105 Granulicatella adiacens str. 10/833
AY879298.1 gg_id:143622 Granulicatella paradiacens str. 04401102
Y15408.1 gg_id:15055 Granulicatella elegans str. 2640-91
FJ558447.1 gg_id:521851 Survey Approach Assess Endotracheal Tube Biofilms and their Origins biofilm extubat
GU374018.1 gg_id:532021 normal teeth clone SRC_DSC5
AB247277.1 gg_id:147894 Marinilactibacillus piezotolerans str. JCM 12337
AB159717.1 gg_id:103175 Marinilactibacillus psychrotolerans str. INCT119
AY485792.1 gg_id:99434 Marinilactibacillus piezotolerans str. LT20

EU845485.1	325830	12897.3	8963.6	7774.2	10387.5	10152.0	10360.3
NR_025197.1	566585	6019.7	6108.7	5348.3	4610.5	5037.7	5061.6
AM111051.1	140940	2859.4	2634.3	3757.3	3462.4	4866.0	4125.2
DQ778093.1	166840	5475.7	5681.3	4032.8	4272.5	4455.9	4910.0
EU817500.1	332765	101.2	194.7	430.1	121.9	79.9	537.2
EU845027.1	353898	1993.3	1817.5	3128.5	1430.2	1978.1	2072.8
AF184247.1	36062	2985.6	2623.7	3272.4	1993.5	2636.1	4761.4
S86170.1	15243	1698.3	2339.0	2780.0	1461.1	1763.1	2696.5
AJ387905.1	16452	1365.1	2194.0	2311.8	971.3	659.6	2451.2
AM179875.1	146934	1925.2	2546.5	4634.8	1360.0	2524.2	2795.4
GQ008057.1	501608	2870.7	1702.8	4714.6	4745.3	1442.0	1690.4
EU773383.1	326100	5183.4	6507.5	7472.1	4962.5	4586.4	4913.6
GQ008163.1	501503	3343.7	3246.7	5936.1	3570.4	3529.0	3079.4
FJ674675.1	522048	61.8	88.0	151.9	118.6	72.5	76.0
Y17300.1	15259	723.9	479.0	2151.2	930.3	424.1	2030.1
FJ674414.1	512638	3008.2	3757.4	3923.5	3224.6	5134.2	4652.9
FJ674411.1	522459	17032.1	17129.5	10327.9	14913.5	18841.3	16797.3
FJ674427.1	515642	3632.2	3869.5	4101.5	2089.3	2936.1	3464.1
FJ675581.1	530569	3120.6	2985.3	2979.9	1434.1	1357.6	1762.7
FJ675028.1	509443	3241.9	3100.0	3364.6	1152.4	880.3	1874.5
FJ671781.1	525552	3787.3	3531.8	2822.6	4506.3	5295.8	5346.5
FJ674863.1	520714	2875.3	2661.2	3711.6	2325.1	3107.9	2972.1
FJ674821.1	525603	12417.0	12720.0	6637.7	10804.2	12260.5	10589.5
FJ674822.1	526054	4442.1	3749.4	2543.6	5499.1	4957.1	5582.4
FJ672402.1	516922	1751.3	2108.6	3341.4	3311.8	5442.3	3322.4
FJ674570.1	524856	5611.6	5636.6	7662.1	1467.0	5138.3	5520.8
FJ671977.1	516168	1066.9	1271.9	2652.8	851.7	400.6	906.4
FJ674634.1	527071	4041.4	5407.3	3461.6	4030.3	14162.7	8750.0
FJ194014.1	353870	2165.6	2445.8	1793.9	2065.7	2170.1	1452.6
AY879299.1	141939	815.9	1065.3	375.1	145.5	126.5	1695.9
AF016390.1	15054	1397.6	1386.7	237.1	603.4	121.9	474.1
AB022026.1	15057	1427.0	1239.3	221.2	208.1	149.3	279.6
AB252689.1	216513	82.6	529.4	129.7	219.8	61.3	274.6
AJ312375.1	70105	504.5	563.5	141.5	148.4	98.5	175.8
AY879298.1	143622	102.3	308.0	283.2	234.4	91.4	589.6
Y15408.1	15055	75.8	431.4	128.4	177.7	90.7	132.0
FJ558447.1	521851	254.9	455.0	1151.6	461.1	1410.2	924.7
GU374018.1	532021	10954.5	9605.1	7725.7	11336.2	12958.3	11336.5
AB247277.1	147894	2209.5	2844.6	4420.1	3090.0	6693.7	7208.3
AB159717.1	103175	7470.0	8464.4	5699.4	6764.1	6620.4	5836.0
AY485792.1	99434	6201.3	6903.9	6437.0	4639.2	2088.4	3680.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae

g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__Trichococcus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__Trichococcus collinsii	71938
s__Trichococcus collinsii	71969
s__Trichococcus collinsii	72123
s__Trichococcus collinsii	72361
s__Trichococcus collinsii	72469
s__Trichococcus collinsii	72474
s__Trichococcus collinsii	72887
s__Trichococcus collinsii	73017
s__Trichococcus collinsii	73069
s__Trichococcus collinsii	73081
s__unclassified	71818
s__unclassified	71921
s__unclassified	72063
s__unclassified	72077
s__unclassified	72124
s__unclassified	72127
s__unclassified	72189
s__unclassified	72208
s__unclassified	72255
s__unclassified	72309
s__unclassified	72491
s__unclassified	72603
s__unclassified	72785
s__unclassified	72788
s__unclassified	72805
s__unclassified	72836
s__unclassified	72934
s__unclassified	42476
s__unclassified	42566
s__unclassified	42585
s__unclassified	42617
s__unclassified	42628
s__unclassified	42646
s__unclassified	42663
s__unclassified	42706
s__unclassified	42731
s__unclassified	42880
s__unclassified	43027
s__unclassified	43076
s__unclassified	43080
s__unclassified	43192

EU434573.1 gg_id:277322 Trichococcus collinsii str. b73
EU434534.1 gg_id:266599 Trichococcus collinsii str. b258
EU434512.1 gg_id:264683 Trichococcus collinsii str. b239
EU434551.1 gg_id:268210 Trichococcus collinsii str. b140
EU434537.1 gg_id:275949 Trichococcus collinsii str. b253
EU434536.1 gg_id:274539 Trichococcus collinsii str. b255
EU434554.1 gg_id:259750 Trichococcus collinsii str. b205
EU434507.1 gg_id:275512 Trichococcus collinsii str. b354
EU434495.1 gg_id:277597 Trichococcus collinsii str. b362
EU434510.1 gg_id:266846 Trichococcus collinsii str. b237
NR_025435.1 gg_id:572224 Trichococcus palustris str. DSM 9172
EU434478.1 gg_id:265112 Trichococcus collinsii str. b279
FJ672147.1 gg_id:529854 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AJ306612.1 gg_id:47658 Trichococcus collinsii str. 37AN3
AB186878.1 gg_id:101202 polychlorinated dioxin dechlorinating microcosm clone TSBX03
L76599.1 gg_id:15246 Trichococcus pasteurii str. ATCC 35945
EU844884.1 gg_id:327706 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
EU434522.1 gg_id:263346 Trichococcus flocculiformis str. b328
FJ675543.1 gg_id:509026 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
Y17301.1 gg_id:15254 Trichococcus flocculiformis str. DSM 2094
FJ672105.1 gg_id:527794 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
DQ337518.1 gg_id:145184 tetracycline and tylosin resistance genes impacted swine effluent holding pit
EU434437.1 gg_id:272157 Trichococcus flocculiformis str. a209
FJ674344.1 gg_id:527737 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672700.1 gg_id:527399 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
EU434501.1 gg_id:265834 Trichococcus flocculiformis str. b319
FJ671856.1 gg_id:511164 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671301.1 gg_id:526709 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ080732.1 gg_id:409174 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
NR_026454.1 gg_id:552567 Granulicatella balaenopterae str. M1975/96/1; CCUG 37380
FJ764779.1 gg_id:565642 Marinilactibacillus sp. str. E-109
FJ671733.1 gg_id:514230 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671721.1 gg_id:518863 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672820.1 gg_id:513562 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671872.1 gg_id:532281 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
X70907.1 gg_id:15241 Dolosigranulum pigrum str. NCFB 2975
GU395995.1 gg_id:526359 Dolosigranulum pigrum str. 33929-06
FJ670957.1 gg_id:516363 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672814.1 gg_id:520671 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675030.1 gg_id:515465 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674957.1 gg_id:519350 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I

EU434573.1	277322	463.5	534.0	1900.2	520.1	124.9	750.1
EU434534.1	266599	3547.2	2883.1	1865.1	1841.5	2194.3	2938.1
EU434512.1	264683	945.4	1064.2	1984.9	906.3	159.5	1209.9
EU434551.1	268210	9134.0	9247.1	5283.1	7306.5	5236.1	5819.0
EU434537.1	275949	3274.0	3135.9	5372.9	3483.2	1067.9	4130.6
EU434536.1	274539	7344.9	7457.9	9407.7	6517.2	8975.5	8189.6
EU434554.1	259750	139.4	329.8	1142.4	197.8	99.5	354.3
EU434507.1	275512	417.0	355.4	1810.1	581.5	273.0	776.5
EU434495.1	277597	443.6	492.4	1873.4	515.4	128.8	585.8
EU434510.1	266846	4643.0	5364.8	4866.6	4123.4	8470.0	7323.8
NR_025435.1	572224	2716.4	2964.3	8551.9	3488.6	2184.9	5007.4
EU434478.1	265112	190.0	316.2	1218.1	213.4	101.3	435.8
FJ672147.1	529854	118.5	424.7	452.4	434.4	1963.8	1587.5
AJ306612.1	47658	438.2	551.9	1652.9	516.6	125.7	751.8
AB186878.1	101202	279.5	1256.2	1079.1	216.7	343.5	838.7
L76599.1	15246	186.7	332.7	1214.5	213.0	96.7	409.6
EU844884.1	327706	215.2	425.8	635.0	183.9	716.6	624.6
EU434522.1	263346	10311.8	11342.0	8139.4	9046.6	9938.2	9473.7
FJ675543.1	509026	1030.4	1028.7	958.5	1751.2	1285.6	1693.4
Y17301.1	15254	302.6	885.0	2032.7	496.7	137.9	1653.4
FJ672105.1	527794	8796.6	8940.1	4607.6	8160.4	10134.1	8490.2
DQ337518.1	145184	92.9	188.9	32.0	78.0	94.6	29.6
EU434437.1	272157	4961.7	5610.7	4456.2	4127.2	5251.0	6363.0
FJ674344.1	527737	5955.3	8501.0	7331.2	9381.2	12984.9	11882.4
FJ672700.1	527399	9072.2	10570.9	9263.4	9344.8	11816.4	9278.3
EU434501.1	265834	5079.0	3921.3	4796.6	7258.1	469.3	4704.6
FJ671856.1	511164	9973.7	9020.2	6721.5	8590.8	8878.0	10563.3
FJ671301.1	526709	2624.9	4099.9	2695.9	1976.1	6552.3	6284.1
GQ080732.1	409174	5125.5	6556.3	4118.3	5507.8	8354.1	7922.7
NR_026454.1	552567	35.2	103.0	94.9	68.4	75.8	40.6
FJ764779.1	565642	790.7	1548.6	1555.8	925.4	2406.4	2554.5
FJ671733.1	514230	13425.2	13077.3	7604.6	13008.3	16641.6	15036.6
FJ671721.1	518863	6238.2	5153.6	3938.5	4789.9	11495.6	9181.3
FJ672820.1	513562	466.0	915.7	1374.7	631.0	659.2	1155.2
FJ671872.1	532281	3848.2	3397.3	4203.6	2777.9	5296.4	4558.2
X70907.1	15241	3765.9	5410.5	2521.0	3582.2	3780.2	3091.7
GU395995.1	526359	1426.6	1448.1	754.1	2295.8	1006.9	620.6
FJ670957.1	516363	8217.7	8268.8	6065.9	8613.5	8419.9	9147.6
FJ672814.1	520671	3642.2	3604.9	2501.6	3635.3	6289.9	4556.4
FJ675030.1	515465	12306.6	11766.1	6589.8	10807.8	13512.3	10806.7
FJ674957.1	519350	2934.1	3716.2	3461.7	2844.0	3329.3	3734.4

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Carnobacteriaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__unclassified	43201
s__unclassified	43205
s__unclassified	43216
s__unclassified	43263
s__unclassified	43327
s__unclassified	43364
s__unclassified	43387
s__unclassified	43400
s__unclassified	43535
s__unclassified	43543
s__unclassified	43579
s__unclassified	43597
s__unclassified	43608
s__unclassified	43636
s__unclassified	43759
s__unclassified	43762
s__unclassified	43894
s__unclassified	43926
s__unclassified	43935
s__unclassified	72146
s__unclassified	72428
s__unclassified	72458
s__unclassified	72606
s__unclassified	72797
s__unclassified	72969
s__Enterococcus asini	42834
s__Enterococcus asini	43010
s__Enterococcus asini	43757
s__Enterococcus avium	43472
s__Enterococcus avium	43493
s__Enterococcus avium	43542
s__Enterococcus avium	43630
s__Enterococcus casseliflavus	42559
s__Enterococcus casseliflavus	42560
s__Enterococcus casseliflavus	42940
s__Enterococcus casseliflavus	43003
s__Enterococcus casseliflavus	43021
s__Enterococcus casseliflavus	43130
s__Enterococcus casseliflavus	43181
s__Enterococcus casseliflavus	43418
s__Enterococcus casseliflavus	43439

FJ674400.1 gg_id:529137 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671686.1 gg_id:515359 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AJ458446.1 gg_id:111266 Allofustis seminis str. CCUG 45438
FJ825559.1 gg_id:559774 Microbial during start-up mesophilic biogas plant clone 46_BS5_10
FJ672294.1 gg_id:517005 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672544.1 gg_id:525845 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671690.1 gg_id:530430 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672168.1 gg_id:514023 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
GQ080691.1 gg_id:466222 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1
GQ085654.1 gg_id:407470 Topographical and Temporal Human Skin Microbiome skin palm clone nbw278f11c1
FJ674468.1 gg_id:520088 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672461.1 gg_id:509077 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675572.1 gg_id:516872 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ672927.1 gg_id:514848 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ893130.1 gg_id:545089 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota HM3; ear p
GQ079378.1 gg_id:445962 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw1129f0
FJ672013.1 gg_id:509420 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671894.1 gg_id:523062 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ671904.1 gg_id:530966 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ674889.1 gg_id:511294 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
DQ376550.1 gg_id:154459 Microbial ecology removing phosphate wastewater EBPR process aerobic sequencin
AY581816.1 gg_id:106773 feces clone 1D3
AJ302648.1 gg_id:20210 Isobaculum melis CCUG 37660T
FM875568.1 gg_id:365920 occupant source house dust skin surface swab clone SD01E05
FJ672609.1 gg_id:513204 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AJ576362.1 gg_id:102730 hindgut homogenate Pachnoda ephippiata larva clone PeH49
GU166170.1 gg_id:561594 intestinal tract larvae (Musca domestica) direct cloning and sequencing genes whea
Y11621.1 gg_id:15298 Enterococcus asini str. AS2
GQ155330.1 gg_id:581895 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155347.1 gg_id:592273 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
NR_028748.1 gg_id:586815 Enterococcus avium str. E6844; CIP 103019
AJ301825.1 gg_id:45325 Enterococcus avium str. LMG 10744
EF199997.1 gg_id:183702 Enterococcus casseliflavus str. ELS3
X76177.1 gg_id:15285 Enterococcus sp str. LMG12316
AF367977.1 gg_id:37079 Enterococcus casseliflavus str. CCM 4869
FJ538215.1 gg_id:536036 Enterococcus casseliflavus str. BPSr32
GQ337020.1 gg_id:544389 Enterococcus casseliflavus str. SS1229
AJ420804.1 gg_id:42419 Enterococcus casseliflavus str. CECT969T
AB547326.1 gg_id:515778 Enterococcus casseliflavus str. NCCP-53
DQ395285.1 gg_id:156436 Enterococcus casseliflavus F00186
FJ915804.1 gg_id:561364 Enterococcus casseliflavus str. IMAU10148; WH15-3-3

FJ674400.1	529137	7556.9	8380.6	4871.1	7572.4	2880.6	5431.0
FJ671686.1	515359	10341.2	8571.4	8371.2	10051.4	12953.6	9970.7
AJ458446.1	111266	56.0	75.8	56.0	77.3	102.5	52.8
FJ825559.1	559774	2331.3	1659.8	3730.2	2982.4	3537.3	4894.0
FJ672294.1	517005	3650.0	4891.4	2138.7	4357.1	2086.8	4078.6
FJ672544.1	525845	4704.9	4495.8	4832.0	4234.6	4413.7	5233.3
FJ671690.1	530430	3616.3	2491.0	639.9	5509.7	5742.2	4972.5
FJ672168.1	514023	862.9	1641.7	3710.2	957.8	1803.4	1351.5
GQ080691.1	466222	3656.2	5564.0	2559.2	5111.8	9137.1	6539.6
GQ085654.1	407470	6366.0	8402.7	6031.1	7991.8	11270.0	8210.3
FJ674468.1	520088	5450.6	5638.6	3496.0	5404.4	3690.6	4121.9
FJ672461.1	509077	7072.9	7303.3	1404.4	7256.3	7627.0	8839.5
FJ675572.1	516872	4681.9	5898.3	2892.8	3855.0	6898.6	7238.1
FJ672927.1	514848	5693.1	4880.9	5376.1	4878.1	5640.9	5150.6
FJ893130.1	545089	8959.0	6647.5	12312.7	10114.3	11032.1	11064.6
GQ079378.1	445962	574.4	759.4	4038.6	1384.4	3552.2	1788.6
FJ672013.1	509420	7042.7	7097.3	6693.9	5487.0	7475.6	7625.7
FJ671894.1	523062	10579.2	10960.8	4386.5	6319.4	7958.3	7977.2
FJ671904.1	530966	9829.1	9865.5	5773.4	10874.2	16182.6	14042.9
FJ674889.1	511294	4804.4	4818.9	1486.1	5210.6	7283.3	6717.6
DQ376550.1	154459	153.3	389.7	425.1	194.8	53.9	484.0
AY581816.1	106773	942.5	516.6	772.3	759.6	1518.1	796.7
AJ302648.1	20210	2871.3	4112.0	4851.5	3479.5	1773.4	3786.9
FM875568.1	365920	1466.5	1734.5	2903.4	1990.9	721.2	2141.8
FJ672609.1	513204	168.7	596.7	424.3	679.0	708.2	2023.2
AJ576362.1	102730	90.1	356.0	212.6	100.5	69.0	1012.8
GU166170.1	561594	2813.2	5327.4	3886.3	2443.1	1609.2	2777.8
Y11621.1	15298	865.2	2042.6	2076.1	694.6	522.9	1495.8
GQ155330.1	581895	1487.7	2568.7	2894.2	3225.5	1180.7	1986.4
GQ155347.1	592273	286.6	1235.6	1129.6	260.7	410.4	379.0
NR_028748.1	586815	1662.6	2447.4	2862.6	3287.8	1182.5	3146.2
AJ301825.1	45325	457.6	1216.2	1669.1	1561.7	333.6	1536.2
EF199997.1	183702	10225.5	11828.7	8856.2	8597.5	9078.1	8545.3
X76177.1	15285	2213.7	1122.6	655.6	2093.5	620.1	1398.3
AF367977.1	37079	108.7	180.5	376.2	162.6	68.0	300.5
FJ538215.1	536036	5564.4	8174.9	4575.0	5479.3	8358.8	6012.7
GQ337020.1	544389	97.9	176.1	381.9	128.0	63.9	314.5
AJ420804.1	42419	10193.0	11816.2	6435.3	7791.7	5637.6	6666.7
AB547326.1	515778	109.2	130.1	249.3	115.4	69.9	418.1
DQ395285.1	156436	246.9	450.1	1228.2	910.5	302.5	568.9
FJ915804.1	561364	98.3	177.8	406.0	126.4	68.1	292.8

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__Enterococcus casseliflavus	43533
s__Enterococcus casseliflavus	43639
s__Enterococcus casseliflavus	43646
s__Enterococcus casseliflavus	43691
s__Enterococcus casseliflavus	43941
s__Enterococcus casseliflavus	44071
s__Enterococcus cecorum	42532
s__Enterococcus cecorum	42862
s__Enterococcus cecorum	43384
s__Enterococcus columbae	42682
s__Enterococcus dispar	42451
s__Enterococcus durans	42583
s__Enterococcus durans	42647
s__Enterococcus durans	42695
s__Enterococcus durans	42827
s__Enterococcus durans	43262
s__Enterococcus durans	43276
s__Enterococcus durans	43483
s__Enterococcus durans	43604
s__Enterococcus durans	43649
s__Enterococcus durans	43738
s__Enterococcus durans	43905
s__Enterococcus durans	44004
s__Enterococcus durans	44100
s__Enterococcus faecalis	42502
s__Enterococcus faecalis	42510
s__Enterococcus faecalis	42565
s__Enterococcus faecalis	42575
s__Enterococcus faecalis	42577
s__Enterococcus faecalis	42612
s__Enterococcus faecalis	42629
s__Enterococcus faecalis	42654
s__Enterococcus faecalis	42671
s__Enterococcus faecalis	42680
s__Enterococcus faecalis	42710
s__Enterococcus faecalis	42812
s__Enterococcus faecalis	42836
s__Enterococcus faecalis	42864
s__Enterococcus faecalis	42891
s__Enterococcus faecalis	42893
s__Enterococcus faecalis	42896

FJ357239.1 gg_id:358644 Enterococcus casseliflavus str. MMB1
GQ995669.1 gg_id:584241 Enterococcus casseliflavus str. C1
EU075075.1 gg_id:241365 Enterococcus gallinarum str. 22-19BAM
U30931.1 gg_id:15301 Enterococcus saccharolyticus
DQ683079.1 gg_id:160884 Vibrio fluvialis str. CIFAMVIFL01
EU075043.1 gg_id:239422 Enterococcus casseliflavus str. thirtyfourmpalpha
EU459407.1 gg_id:294670 cheetah feces clone CE3_aai07e07
Y18355.1 gg_id:15280 Enterococcus cecorum str. NCDO 2674T
DQ057437.1 gg_id:132661 str. ii1209
AJ301828.1 gg_id:17976 Enterococcus columbae str. LMG 11740
Y18358.1 gg_id:15330 Enterococcus dispar str. NCIMB 13000T
EF197994.1 gg_id:193264 Enterococcus carnosus str. 933
FJ749767.1 gg_id:539955 Enterococcus durans str. IMAU60041; XZ12301
EU717964.1 gg_id:355906 Enterococcus durans str. Hx05
GU177630.1 gg_id:556032 Enterococcus durans str. 6-2
FJ607264.1 gg_id:548980 Enterococcus durans str. KLDS6.0618
FJ917730.1 gg_id:573141 Enterococcus durans str. IMAU60177; ZLG3-3
FJ749805.1 gg_id:537200 Enterococcus durans str. IMAU60084; XZ22301
FJ378680.1 gg_id:358790 Enterococcus faecium str. HN-N25
AJ420801.1 gg_id:47779 Enterococcus durans str. CECT411T
FJ917736.1 gg_id:555337 Enterococcus durans str. IMAU60185; ZLG6-3
FJ917735.1 gg_id:561625 Enterococcus durans str. IMAU60184; ZLG6-2
FJ555518.1 gg_id:573791 Enterococcus pernyi str. CS1
DQ239692.1 gg_id:144178 Enterococcus durans str. D1
AF070224.1 gg_id:15273 Enterococcus faecalis str. JH2-2
GU299085.1 gg_id:534960 Enterococcus faecalis str. 3-12
DQ295035.1 gg_id:144018 Lactobacillus plantarum str. PFK2
GQ155859.1 gg_id:510957 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FJ603646.1 gg_id:533585 Enterococcus faecalis str. XJ-1
AB092693.1 gg_id:58583 Enterococcus faecalis str. K-4
DQ983196.1 gg_id:182752 Enterococcus faecalis str. ABPL 007
FN377815.1 gg_id:574542 Enterococcus faecalis str. S5
DQ340074.1 gg_id:145783 Enterococcus faecalis str. KLDS 6.0319
DQ340071.1 gg_id:145866 Enterococcus faecalis str. KLDS 6.0317
FJ378704.1 gg_id:358683 Enterococcus faecalis str. HN-S7
FJ378698.1 gg_id:362655 Enterococcus faecalis str. HN-S1
GQ155862.1 gg_id:542841 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FJ378685.1 gg_id:359449 Enterococcus faecalis str. HN-N30
AJ276460.1 gg_id:50297 Enterococcus faecalis str. P7812
AY942558.1 gg_id:113485 Enterococcus faecalis str. ChDC YE2
AB362599.1 gg_id:250917 Enterococcus faecalis str. NRIC 0110

FJ357239.1	358644	15896.3	16775.4	9450.9	12274.1	11559.5	12444.3
GQ995669.1	584241	973.7	916.8	1215.7	1559.7	857.9	1284.9
EU075075.1	241365	11568.8	12789.8	4881.5	9721.3	3626.2	4304.4
U30931.1	15301	5196.7	7346.1	3406.2	5042.2	8162.4	8044.1
DQ683079.1	160884	203.7	406.9	826.0	202.7	364.2	854.1
EU075043.1	239422	195.6	296.8	314.6	126.7	125.9	144.3
EU459407.1	294670	2792.7	4408.3	1473.1	4345.2	4910.7	4148.2
Y18355.1	15280	168.7	491.0	785.6	91.2	153.2	553.1
DQ057437.1	132661	188.2	114.9	350.0	124.8	100.5	489.6
AJ301828.1	17976	146.3	286.7	236.8	109.1	75.2	404.8
Y18358.1	15330	1006.2	2148.0	964.4	1551.6	1010.8	1717.2
EF197994.1	193264	1243.9	1908.1	1892.3	1258.0	1144.8	1276.5
FJ749767.1	539955	1727.9	3275.7	2965.7	2223.7	1511.5	3496.5
EU717964.1	355906	1955.2	3653.1	3183.1	2289.8	1550.4	2213.3
GU177630.1	556032	5021.4	4931.7	5491.3	4180.9	2662.2	5137.0
FJ607264.1	548980	1223.6	1933.7	2384.3	1188.2	986.6	2180.8
FJ917730.1	573141	5659.5	5367.0	6449.6	5541.3	3379.9	5144.6
FJ749805.1	537200	1224.1	2045.4	2743.3	1192.9	989.5	2180.5
FJ378680.1	358790	1865.4	3729.9	3049.9	2399.1	1458.6	3107.1
AJ420801.1	47779	7856.1	7081.9	7970.4	5850.4	2911.1	3990.9
FJ917736.1	555337	1159.0	2013.7	2412.4	1236.1	923.7	2122.9
FJ917735.1	561625	1923.3	3509.7	3138.4	2310.7	1559.8	2445.9
FJ555518.1	573791	817.8	1028.9	3553.8	1254.2	2648.5	2014.5
DQ239692.1	144178	1584.4	2830.8	2611.5	1881.0	1122.1	3130.1
AF070224.1	15273	1865.5	2577.1	2023.8	2091.0	1288.4	1702.1
GU299085.1	534960	1164.4	1667.2	1427.9	763.3	794.8	2292.8
DQ295035.1	144018	1329.3	1633.0	1954.8	1423.3	966.0	1617.9
GQ155859.1	510957	1141.2	1819.3	2511.8	1601.7	1342.1	1848.6
FJ603646.1	533585	2889.7	2552.4	815.8	3017.8	5594.7	4814.1
AB092693.1	58583	3417.8	4413.0	3591.2	2391.2	3916.6	6578.3
DQ983196.1	182752	1863.4	2377.7	2019.1	2090.1	1284.2	1701.7
FN377815.1	574542	7578.9	8237.6	4896.1	7008.7	4888.0	6015.4
DQ340074.1	145783	220.0	175.5	199.5	161.3	182.7	305.9
DQ340071.1	145866	1662.2	2611.4	1497.1	1475.4	1117.0	2328.7
FJ378704.1	358683	1088.6	1631.0	1828.5	1505.0	238.3	1859.1
FJ378698.1	362655	10666.4	10114.5	8212.7	8165.5	7826.7	7290.4
GQ155862.1	542841	16867.0	19368.7	16775.6	12783.2	13813.7	15271.6
FJ378685.1	359449	1734.2	2380.9	2024.1	2088.4	1286.5	1832.0
AJ276460.1	50297	1619.2	2579.1	2024.6	2088.7	1283.9	1701.9
AY942558.1	113485	551.4	423.5	529.0	120.0	168.8	241.3
AB362599.1	250917	1647.0	2241.2	1383.3	1460.3	1114.5	2494.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__Enterococcus faecalis	42900
s__Enterococcus faecalis	42983
s__Enterococcus faecalis	43042
s__Enterococcus faecalis	43077
s__Enterococcus faecalis	43139
s__Enterococcus faecalis	43145
s__Enterococcus faecalis	43163
s__Enterococcus faecalis	43200
s__Enterococcus faecalis	43241
s__Enterococcus faecalis	43256
s__Enterococcus faecalis	43323
s__Enterococcus faecalis	43396
s__Enterococcus faecalis	43404
s__Enterococcus faecalis	43469
s__Enterococcus faecalis	43494
s__Enterococcus faecalis	43498
s__Enterococcus faecalis	43559
s__Enterococcus faecalis	43642
s__Enterococcus faecalis	43644
s__Enterococcus faecalis	43650
s__Enterococcus faecalis	43736
s__Enterococcus faecalis	43768
s__Enterococcus faecalis	43772
s__Enterococcus faecalis	43812
s__Enterococcus faecalis	43818
s__Enterococcus faecalis	43858
s__Enterococcus faecalis	44042
s__Enterococcus faecalis	44094
s__Enterococcus faecalis	44098
s__Enterococcus faecalis	44104
s__Enterococcus gallinarum	43001
s__Enterococcus gallinarum	43549
s__Enterococcus gallinarum	43756
s__Enterococcus gallinarum	43815
s__Enterococcus gallinarum	43845
s__Enterococcus haemoperoxidus	42658
s__Enterococcus haemoperoxidus	42953
s__Enterococcus haemoperoxidus	43413
s__Enterococcus hermanniensis	43972
s__Enterococcus hirae	42739
s__Enterococcus hirae	42925

FJ378699.1 gg_id:358655 Enterococcus faecalis str. HN-S2
FJ378664.1 gg_id:359661 Enterococcus faecalis str. HN-N9
EU547776.1 gg_id:277572 Enterococcus faecalis str. IJ-11
FJ378667.1 gg_id:365418 Enterococcus faecalis str. HN-N12
GQ155898.1 gg_id:586565 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ483456.1 gg_id:591276 Enterococcus faecalis str. CD1
EF183510.1 gg_id:197369 Enterococcus faecalis str. NT-10
AB244434.1 gg_id:257698 Enterococcus faecalis str. A19-2
GU064366.1 gg_id:544202 Enterococcus faecalis str. V14
NC_004668.1 gg_id:83107 Enterococcus faecalis str. V583
AB012212.1 gg_id:15272 Enterococcus faecalis str. JCM 5803
FJ378658.2 gg_id:365707 Enterococcus faecium str. HN-N3
EU717960.1 gg_id:305561 Enterococcus faecium str. SBlh05
GQ156027.1 gg_id:584460 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EF120452.1 gg_id:195263 Enterococcus faecalis str. GM
AY942559.1 gg_id:113097 Enterococcus faecalis str. ChDC YE3
GQ156053.1 gg_id:571196 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AY942557.1 gg_id:113425 Enterococcus faecalis str. ChDC YE1
FJ378657.2 gg_id:363544 Enterococcus faecalis str. HN-N2
EU728747.1 gg_id:324455 Enterococcus faecalis str. DJF_O03
AJ301831.1 gg_id:40693 Enterococcus faecalis str. LMG 7937
DQ340070.1 gg_id:145836 Enterococcus faecalis str. KLDS 6.0316
AB098122.1 gg_id:76134 Enterococcus faecalis str. TUA 2495L
GQ156001.1 gg_id:591089 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FJ378696.1 gg_id:364518 Enterococcus faecalis str. HN-N41
FJ378703.1 gg_id:367986 Enterococcus faecalis str. HN-S6
GQ156058.1 gg_id:585011 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AB292313.1 gg_id:250899 Enterococcus faecalis str. N1-33
FJ607298.1 gg_id:539417 Enterococcus faecalis str. KLDS6.0610
GQ155908.1 gg_id:552462 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ337019.1 gg_id:586597 Enterococcus canis str. SS1724
Y18160.1 gg_id:15321 Enterococcus gallinarum str. NCFB 2314
EF025905.1 gg_id:253248 Enterococcus gallinarum str. B2
AJ420805.1 gg_id:19924 Enterococcus gallinarum str. CECT970T
EU477410.1 gg_id:563672 Enterococcus saccharolyticus str. SD1
AF286831.1 gg_id:70378 Enterococcus moraviensis str. CCM 4856T
GQ337032.1 gg_id:586775 Enterococcus moraviensis str. SS1689
AF286832.1 gg_id:28186 Enterococcus haemoperoxidus str. CCM 4851T
GQ337028.1 gg_id:549794 Enterococcus hermanniensis str. SS1760
FJ851687.1 gg_id:592320 Enterococcus faecium str. HS3
AB186307.1 gg_id:136967 Enterococcus hirae str. DST 2010

FJ378699.1	358655	127.0	184.6	353.6	172.0	96.1	151.1
FJ378664.1	359661	373.4	571.3	889.6	209.9	167.1	447.2
EU547776.1	277572	2502.3	2734.5	2268.5	2501.3	1836.9	3620.1
FJ378667.1	365418	3789.5	4092.5	3585.1	2292.0	4387.3	3925.5
GQ155898.1	586565	7994.9	9071.4	6206.8	5610.6	7486.8	7521.1
GQ483456.1	591276	447.4	642.6	1925.9	253.4	250.8	540.2
EF183510.1	197369	7096.1	7011.6	8310.8	8024.5	2617.2	4692.2
AB244434.1	257698	19940.5	19937.9	12618.0	13975.7	17198.1	14543.1
GU064366.1	544202	4442.6	4943.1	1835.8	7076.5	7806.7	5274.9
NC_004668.1	83107	1849.1	2211.8	1877.2	2076.9	1285.9	1819.8
AB012212.1	15272	14374.8	17411.7	9865.4	11354.3	21008.5	15822.8
FJ378658.2	365707	130.5	219.1	320.3	161.6	78.6	1659.3
EU717960.1	305561	90.2	461.6	160.6	166.2	216.8	1026.7
GQ156027.1	584460	7045.1	11762.3	5637.0	9264.2	9646.4	10671.2
EF120452.1	195263	135.0	192.9	205.4	96.6	79.5	541.4
AY942559.1	113097	2561.9	3394.6	933.1	808.7	1201.6	1447.0
GQ156053.1	571196	83.3	55.1	393.3	84.5	79.2	88.1
AY942557.1	113425	22136.4	22676.8	4837.4	18712.2	21142.9	18979.3
FJ378657.2	363544	16034.1	16999.2	6502.8	10765.7	14776.0	12798.1
EU728747.1	324455	10956.1	11491.1	6288.6	8363.5	4500.8	4376.7
AJ301831.1	40693	365.5	1012.1	503.2	324.6	574.2	971.7
DQ340070.1	145836	9247.2	8625.7	5064.3	7387.0	11902.9	9267.7
AB098122.1	76134	985.6	1395.3	686.5	1123.1	463.2	1224.8
GQ156001.1	591089	161.8	358.9	786.9	176.4	239.9	317.8
FJ378696.1	364518	8747.6	9135.6	4890.8	5680.4	9986.8	8240.5
FJ378703.1	367986	9685.6	9939.6	6422.6	6519.6	9204.2	6307.0
GQ156058.1	585011	1138.7	1843.0	2509.1	1584.0	1347.0	1991.7
AB292313.1	250899	856.7	1397.0	687.2	1120.7	458.7	1224.6
FJ607298.1	539417	1356.3	1629.4	2022.0	1486.9	970.5	2719.5
GQ155908.1	552462	62.4	112.5	253.7	97.3	79.6	158.7
GQ337019.1	586597	243.7	777.1	320.3	266.3	93.6	1761.8
Y18160.1	15321	239.4	509.3	518.0	199.5	134.3	672.1
EF025905.1	253248	676.2	828.7	1343.9	394.9	695.0	636.7
AJ420805.1	19924	8963.5	9473.2	8633.7	6427.3	8292.6	9066.6
EU477410.1	563672	235.9	354.5	394.6	226.8	132.9	795.8
AF286831.1	70378	75.5	221.8	187.7	88.1	57.2	463.5
GQ337032.1	586775	1297.6	1158.9	558.0	982.9	321.3	1108.0
AF286832.1	28186	4412.6	4070.1	3089.3	3120.9	3238.8	4079.8
GQ337028.1	549794	1008.5	2679.3	2430.9	1599.0	1177.5	1272.5
FJ851687.1	592320	1304.8	1905.9	2084.5	1263.4	972.7	2380.5
AB186307.1	136967	3378.0	5437.5	4097.1	1950.0	5695.1	5047.1

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__Enterococcus hirae	43033
s__Enterococcus hirae	43236
s__Enterococcus hirae	43316
s__Enterococcus hirae	43637
s__Enterococcus hirae	43652
s__Enterococcus hirae	43745
s__Enterococcus hirae	43896
s__Enterococcus inusitatus	43741
s__Enterococcus lactis	42457
s__Enterococcus lactis	42506
s__Enterococcus lactis	42729
s__Enterococcus lactis	42917
s__Enterococcus lactis	43023
s__Enterococcus lactis	43063
s__Enterococcus lactis	43154
s__Enterococcus lactis	43226
s__Enterococcus lactis	43378
s__Enterococcus lactis	43421
s__Enterococcus lactis	43459
s__Enterococcus lactis	43715
s__Enterococcus lactis	43885
s__Enterococcus lactis	43890
s__Enterococcus lactis	44038
s__Enterococcus lactis	44093
s__Enterococcus phoeniculicola	43681
s__Enterococcus saccharolyticus	43125
s__Enterococcus sulfureus	43811
s__unclassified	42477
s__unclassified	42480
s__unclassified	42483
s__unclassified	42484
s__unclassified	42511
s__unclassified	42517
s__unclassified	42521
s__unclassified	42528
s__unclassified	42535
s__unclassified	42552
s__unclassified	42581
s__unclassified	42591
s__unclassified	42603
s__unclassified	42616

FJ751777.1 gg_id:548490 Enterococcus hirae str. DSPV 320T
Y18354.1 gg_id:15327 Enterococcus hirae str. NCFB 1258T
AJ301837.1 gg_id:40545 Enterococcus pseudoavium str. LMG 11426
EF591816.1 gg_id:232955 Enterococcus mundtii str. CWBI-B1431\(A2-17)
GU213907.1 gg_id:564647 Enterococcus hirae str. -12
GU255468.1 gg_id:583493 Enterococcus hirae str. ST3
AJ301834.1 gg_id:37447 Enterococcus hirae str. LMG 6399
AM050562.1 gg_id:138572 Enterococcus inusitatus str. E2ET29
AB507170.1 gg_id:393887 Enterococcus faecalis str. JCM 20313
EU717955.1 gg_id:340166 Enterococcus faecium str. wh05
GQ267520.1 gg_id:594212 Enterococcus faecium str. Linex
AB018210.1 gg_id:25976 Enterococcus faecium str. E 26
EU857635.1 gg_id:367979 Enterococcus faecium
EF533988.1 gg_id:222834 Enterococcus faecium str. IDCC 2102
AY692451.1 gg_id:100464 Enterococcus faecium str. SL2
EU857636.1 gg_id:366313 Enterococcus lactis
EU717965.1 gg_id:327400 Enterococcus faecalis str. Zy05
GQ493354.1 gg_id:590982 Effect Diet on Human Gut Microbiome: Metagenomic Humanized Gnotobiotic Mice
EU337116.1 gg_id:513300 Enterococcus lactis str. SK12
NZ_ACHL01000045.1 gg_id:470321 Enterococcus faecium str. TX1330
FJ743438.1 gg_id:553522 Enterococcus faecium str. VIT EF
DQ403193.2 gg_id:153252 Enterococcus faecium
FJ982664.1 gg_id:429448 Enterococcus faecium str. JBE0015
EU887827.1 gg_id:341145 Enterococcus faecalis str. H13
GQ337034.1 gg_id:533020 Enterococcus phoeniculicola str. SS1721
AJ301839.1 gg_id:43998 Enterococcus saccharolyticus str. LMG 11427
Y18341.1 gg_id:15283 Enterococcus sulfureus str. NCIMB 13117T
FJ378684.1 gg_id:359101 Enterococcus faecium str. HN-N29
AF070223.1 gg_id:15287 Enterococcus faecium str. GUCR
Y18294.1 gg_id:15290 Enterococcus faecium str. NCFB 942T
AJ459875.1 gg_id:62639 larval intestine clone E
AJ301838.1 gg_id:20443 Enterococcus raffinosus str. LMG 12999
GQ155811.1 gg_id:566795 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EU560859.1 gg_id:557059 Assessment genetic Apriona germari (Hope) larvae normalization techniques intestir
AJ301827.1 gg_id:37798 Enterococcus cecorum str. LMG 12902
DQ239693.1 gg_id:142719 Enterococcus durans str. D2
AJ877015.1 gg_id:139088 Enterococcus aquimarinus str. LMG 16607
FJ378700.1 gg_id:358320 Enterococcus avium str. HN-S3
FJ870986.1 gg_id:555272 Enterococcus faecium str. EF1
GQ156077.1 gg_id:578964 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FN600541.1 gg_id:554755 Enterococcus raffinosus Raj

FJ751777.1	548490	2672.3	5007.6	4345.2	2793.6	2683.7	3056.0
Y18354.1	15327	1287.4	2340.8	2511.4	1192.2	1387.7	2539.8
AJ301837.1	40545	2871.1	6075.5	3710.1	3134.6	2524.2	3579.4
EF591816.1	232955	1151.2	1897.3	1248.3	1418.0	1110.4	1796.3
GU213907.1	564647	3117.0	4146.2	3015.1	2766.4	3560.5	7228.9
GU255468.1	583493	11682.2	12059.7	4721.4	12078.3	15510.6	16220.5
AJ301834.1	37447	6131.9	8483.3	6936.2	4709.0	7135.0	7859.9
AM050562.1	138572	331.3	1525.8	1065.9	533.2	537.1	1366.7
AB507170.1	393887	2394.6	3106.9	2172.7	2167.4	1488.0	2834.5
EU717955.1	340166	448.3	705.1	874.4	507.5	203.9	1794.7
GQ267520.1	594212	2374.3	4202.9	3080.7	3219.1	2486.2	3803.3
AB018210.1	25976	153.2	659.8	257.5	233.5	245.6	954.6
EU857635.1	367979	2160.1	2779.6	2048.5	1972.0	1436.2	2693.9
EF533988.1	222834	2337.8	2814.5	2120.2	2151.5	1585.4	2860.3
AY692451.1	100464	82.3	374.6	233.3	140.6	197.7	559.0
EU857636.1	366313	4695.0	7031.1	4000.4	5764.0	4622.2	4506.9
EU717965.1	327400	140.1	450.1	548.1	265.8	233.2	982.8
GQ493354.1	590982	8270.2	5094.1	5606.7	8577.6	4647.6	6248.9
EU337116.1	513300	193.6	708.7	733.0	256.9	144.4	1581.6
NZ_ACHL01000045.1	470321	518.1	796.6	1439.0	1248.1	378.7	2017.7
FJ743438.1	553522	9833.7	11582.2	6888.6	9533.4	11053.4	9725.5
DQ403193.2	153252	2531.0	4012.3	2266.1	2851.2	5225.4	4066.0
FJ982664.1	429448	2342.1	4024.7	3468.3	1875.9	2702.2	5571.6
EU887827.1	341145	604.8	1339.5	1035.2	679.1	307.5	1179.4
GQ337034.1	533020	2070.2	2302.2	2213.3	1529.7	1524.1	3603.5
AJ301839.1	43998	105.0	159.1	431.0	117.2	78.5	418.0
Y18341.1	15283	2428.0	2823.5	2492.5	1650.1	1893.6	5462.4
FJ378684.1	359101	323.0	807.2	1618.1	1433.3	488.2	2619.0
AF070223.1	15287	983.7	1869.3	1139.7	1976.4	711.0	972.6
Y18294.1	15290	230.7	483.7	419.6	1100.1	269.1	2010.6
AJ459875.1	62639	3354.6	3172.4	1737.4	3546.5	2072.9	4041.6
AJ301838.1	20443	18673.2	16218.6	21874.4	13828.1	15563.0	15916.3
GQ155811.1	566795	4291.2	6073.0	8163.5	6413.2	6419.6	5344.4
EU560859.1	557059	2738.3	3081.1	2200.8	2602.3	2302.6	3356.3
AJ301827.1	37798	1133.3	1864.0	1795.1	738.3	486.3	1730.5
DQ239693.1	142719	6287.9	6668.6	6197.9	5982.4	3794.3	5594.3
AJ877015.1	139088	1899.3	2616.8	2240.7	2269.3	4206.5	3876.1
FJ378700.1	358320	184.1	854.0	675.2	265.5	194.9	819.4
FJ870986.1	555272	320.0	510.9	627.6	386.2	133.7	859.3
GQ156077.1	578964	1067.1	2512.8	2355.2	1042.9	969.4	1312.4
FN600541.1	554755	1569.9	3515.8	2641.8	979.1	484.0	2519.6

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__unclassified	42626
s__unclassified	42636
s__unclassified	42669
s__unclassified	42715
s__unclassified	42721
s__unclassified	42722
s__unclassified	42738
s__unclassified	42742
s__unclassified	42753
s__unclassified	42754
s__unclassified	42808
s__unclassified	42810
s__unclassified	42855
s__unclassified	42859
s__unclassified	42867
s__unclassified	42870
s__unclassified	42874
s__unclassified	42889
s__unclassified	42903
s__unclassified	42912
s__unclassified	42935
s__unclassified	42966
s__unclassified	42968
s__unclassified	43005
s__unclassified	43026
s__unclassified	43031
s__unclassified	43065
s__unclassified	43072
s__unclassified	43073
s__unclassified	43078
s__unclassified	43088
s__unclassified	43093
s__unclassified	43118
s__unclassified	43133
s__unclassified	43141
s__unclassified	43152
s__unclassified	43155
s__unclassified	43161
s__unclassified	43162
s__unclassified	43172
s__unclassified	43176

FJ378671.1 gg_id:367690 Enterococcus faecium str. HN-N16
FJ481129.1 gg_id:552330 Enterococcus faecalis str. RSCQ0
AJ420800.1 gg_id:50018 Enterococcus faecium str. CECT410T
AY953149.1 gg_id:114861 anaerobic swine lagoon clone B-1A
Y18274.1 gg_id:15332 Enterococcus avium str. NCFB 2369T
FJ378672.1 gg_id:359990 Enterococcus faecium str. HN-N17
AY971749.1 gg_id:115294 Enterococcus faecium
EU081012.1 gg_id:238193 Enterococcus devriesei str. BMG 128
EU074827.1 gg_id:256245 Enterococcus mundtii str. MC6
AM157434.1 gg_id:141429 Enterococcus faecium mother C4
FJ378686.1 gg_id:357324 Enterococcus faecium str. HN-N31
AB012213.1 gg_id:15286 Enterococcus faecium str. JCM 5804
GQ337035.1 gg_id:584752 Enterococcus raffinosus str. SS1278
FJ378682.1 gg_id:367316 Enterococcus faecium str. HN-N27
AY057055.1 gg_id:49707 Enterococcus faecium str. ID9201
FJ749344.1 gg_id:539586 Enterococcus durans str. IMAU40069; QH27-4
AJ301826.1 gg_id:44126 Enterococcus casseliflavus str. LMG 10745
EU459193.1 gg_id:294816 hedgehog feces clone HH_aai33f05
AF335596.2 gg_id:74276 Enterococcus villorum str. ATCC 700913
AY098492.1 gg_id:72595 Enterococcus sp. AK61
FJ378693.1 gg_id:366369 Enterococcus faecium str. HN-N38
EU714899.1 gg_id:322682 Enterococcus mundtii str. SRDIPC3
FJ378706.1 gg_id:361210 Enterococcus faecium str. HN-F21
DQ295038.1 gg_id:141350 Enterococcus faecium str. MMA2
AY653231.1 gg_id:111218 Enterococcus faecium str. MLG856-2
FJ861091.1 gg_id:554398 Enterococcus faecium str. KLDS 6.0640
AJ874342.1 gg_id:133685 Enterococcus faecium str. RJ16
AF326472.1 gg_id:57509 Enterococcus ratti
FJ915701.1 gg_id:569577 Enterococcus faecium str. IMAU40164; QH25-2
EU977721.1 gg_id:534595 Enterococcus faecium str. 1P10AnC
FJ378689.1 gg_id:363778 Enterococcus faecium str. HN-N34
FJ378673.1 gg_id:362932 Enterococcus faecium str. HN-N18
EF533987.1 gg_id:220746 Enterococcus faecium str. IDCC 2101
GU084441.1 gg_id:562832 Enterococcus mundtii str. AT6
EF428252.2 gg_id:221584 Enterococcus mundtii str. HDYM-33
EU878169.1 gg_id:346951 Enterococcus faecium str. SH 528
GQ337037.1 gg_id:592016 Enterococcus termitis str. SS1793
DQ223885.1 gg_id:169662 Enterococcus raffinosus str. P6
GU384204.1 gg_id:516700 Enterococcus sp. str. CJ-1
EU428012.1 gg_id:263573 Enterococcus faecium str. SM21
FJ378676.1 gg_id:361678 Enterococcus faecium str. HN-N21

FJ378671.1	367690	803.9	824.2	1106.9	362.7	1123.8	1789.4
FJ481129.1	552330	2043.2	2817.4	2098.3	1990.1	1446.3	2602.3
AJ420800.1	50018	172.3	267.9	314.5	157.8	85.9	618.8
AY953149.1	114861	709.9	1105.9	933.5	1441.4	796.6	1771.4
Y18274.1	15332	2253.8	3826.7	3524.5	4420.0	2040.8	3408.0
FJ378672.1	359990	556.8	1111.3	1044.1	1290.0	324.2	3082.4
AY971749.1	115294	1056.2	1725.9	1082.7	1968.1	705.7	899.8
EU081012.1	238193	154.3	383.9	652.8	155.4	119.4	619.4
EU074827.1	256245	3648.8	3129.3	1296.8	4586.8	6699.1	5387.1
AM157434.1	141429	382.9	521.5	560.4	1177.3	279.5	2087.0
FJ378686.1	357324	188.6	366.1	460.3	261.0	78.9	1679.4
AB012213.1	15286	5280.7	3546.1	1111.6	4262.2	1549.9	2868.8
GQ337035.1	584752	184.2	481.7	777.3	216.9	125.7	1109.6
FJ378682.1	367316	1296.4	1602.9	1085.6	2591.5	597.1	1783.3
AY057055.1	49707	200.7	469.1	376.9	965.3	264.2	984.0
FJ749344.1	539586	6120.5	6601.0	6181.3	5756.7	3746.2	5536.8
AJ301826.1	44126	970.7	845.2	1300.9	1558.8	857.3	1283.7
EU459193.1	294816	163.5	417.8	699.0	167.5	143.0	1045.9
AF335596.2	74276	3521.9	5103.0	1291.0	3694.7	2887.9	2619.4
AY098492.1	72595	451.3	651.9	1259.9	1036.0	343.9	604.9
FJ378693.1	366369	64.3	122.2	143.9	100.8	73.4	376.7
EU714899.1	322682	3859.0	3062.5	3681.9	4067.2	2840.7	4541.3
FJ378706.1	361210	5367.7	5415.2	2409.6	5870.3	8859.3	9649.9
DQ295038.1	141350	2008.8	2728.8	2537.2	2833.4	1648.6	2755.1
AY653231.1	111218	383.1	488.1	526.7	1107.6	271.3	2248.0
FJ861091.1	554398	102.7	281.2	464.3	243.3	91.0	1822.3
AJ874342.1	133685	66.8	376.6	100.3	113.9	86.1	1105.8
AF326472.1	57509	480.2	796.8	1276.4	271.7	521.7	633.3
FJ915701.1	569577	4085.4	4675.6	2103.7	4910.2	7158.4	7375.6
EU977721.1	534595	452.0	1139.4	863.7	792.0	221.3	2955.5
FJ378689.1	363778	215.0	621.7	467.0	347.0	93.1	2722.7
FJ378673.1	362932	215.6	535.7	1053.3	972.2	306.1	1623.1
EF533987.1	220746	81.7	280.8	174.7	153.2	80.4	525.0
GU084441.1	562832	107.1	425.9	368.3	163.7	122.8	654.3
EF428252.2	221584	2587.6	3770.7	2172.0	2391.7	2228.2	3131.8
EU878169.1	346951	658.0	1324.7	1033.8	1647.5	642.2	731.5
GQ337037.1	592016	459.4	737.3	828.7	335.6	260.0	1279.5
DQ223885.1	169662	281.8	1158.8	1258.8	377.0	391.4	1372.6
GU384204.1	516700	375.0	349.1	887.0	230.8	287.6	536.8
EU428012.1	263573	803.5	1494.7	943.1	1820.5	658.1	1798.6
FJ378676.1	361678	2607.1	2639.5	1428.6	3176.6	5614.6	6895.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus

s__unclassified	43186
s__unclassified	43206
s__unclassified	43259
s__unclassified	43274
s__unclassified	43294
s__unclassified	43324
s__unclassified	43348
s__unclassified	43357
s__unclassified	43371
s__unclassified	43381
s__unclassified	43392
s__unclassified	43398
s__unclassified	43402
s__unclassified	43408
s__unclassified	43426
s__unclassified	43435
s__unclassified	43436
s__unclassified	43443
s__unclassified	43457
s__unclassified	43468
s__unclassified	43507
s__unclassified	43524
s__unclassified	43534
s__unclassified	43536
s__unclassified	43567
s__unclassified	43569
s__unclassified	43592
s__unclassified	43617
s__unclassified	43633
s__unclassified	43660
s__unclassified	43675
s__unclassified	43676
s__unclassified	43685
s__unclassified	43694
s__unclassified	43698
s__unclassified	43699
s__unclassified	43729
s__unclassified	43732
s__unclassified	43774
s__unclassified	43797
s__unclassified	43801

FJ674559.1 gg_id:516797 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ751788.1 gg_id:553011 Enterococcus hirae str. DSPV 346T
AB066266.1 gg_id:62895 Enterococcus mundtii str. NFRI 7393
EU888524.1 gg_id:313899 Enterococcus faecium str. ES_MS1c
FJ378683.1 gg_id:366505 Enterococcus faecium str. HN-N28
FJ917737.1 gg_id:556893 Enterococcus durans str. IMAU60186; ZLG7-1
GQ155710.1 gg_id:581919 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155106.1 gg_id:572042 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FJ378691.1 gg_id:359087 Enterococcus faecium str. HN-N36
GU139738.1 gg_id:590537 Enterococcus durans str. 2-4
AM039967.1 gg_id:146606 Enterococcus silesiacus str. LMG 23084 = R-23708
EU418442.1 gg_id:558319 Enterococcus faecium str. 133
FJ378678.1 gg_id:362310 Enterococcus faecium str. HN-N23
FJ378669.1 gg_id:366456 Enterococcus faecium str. HN-N14
AF395325.1 gg_id:37654 isopod gut clone RKPsBA
AJ276352.1 gg_id:30497 Enterococcus rottae str. CCM4629
FJ378681.1 gg_id:362734 Enterococcus faecium str. HN-N26
NZ_ACIY01000209.1 gg_id:470292 Enterococcus faecium str. DO
GQ337018.1 gg_id:582529 Enterococcus canintestini str. SS1787
AB470234.1 gg_id:367959 Enterococcus pseudoavium str. h50
DQ985159.1 gg_id:223992 Enterococcus faecium str. R0026
AJ301830.1 gg_id:39621 Enterococcus faecium str. LMG 11423
EU003448.1 gg_id:241772 Enterococcus faecium str. IDCC 2104
GQ155230.1 gg_id:549024 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
FJ378670.1 gg_id:368923 Enterococcus faecium str. HN-N15
EU528257.1 gg_id:287252 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime
FJ378668.1 gg_id:359756 Enterococcus faecium str. HN-N13
EU717963.1 gg_id:309491 Enterococcus faecium str. Lyws05
FJ378661.2 gg_id:362596 Enterococcus faecium str. HN-N6
GU369800.1 gg_id:529160 Enterococcus faecalis str. YH-10-3
FJ378692.1 gg_id:362577 Enterococcus faecium str. HN-N37
AJ301836.1 gg_id:74813 Enterococcus mundtii str. LMG 10748
EU845466.1 gg_id:316840 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
FJ378675.1 gg_id:361670 Enterococcus faecium str. HN-N20
AJ271856.1 gg_id:73318 Enterococcus faecalis str. UK873 traditional fermented milk
FJ378707.1 gg_id:369245 Enterococcus faecium str. HN-F22
GQ155748.1 gg_id:557151 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
DQ199665.1 gg_id:140065 Enterococcus durans
FJ672209.1 gg_id:515601 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ845008.1 gg_id:559785 Enterococcus faecium str. IMAU20109; ML11-2-2
EU459323.1 gg_id:294649 hedgehog feces clone HH_aai36d01

FJ674559.1	516797	2206.4	2359.4	2920.3	1231.1	1532.9	2145.5
FJ751788.1	553011	2505.2	4669.9	4281.2	2800.5	2513.7	2488.2
AB066266.1	62895	109.5	444.1	351.1	173.6	120.1	655.9
EU888524.1	313899	656.6	844.6	1542.3	1168.6	350.8	812.9
FJ378683.1	366505	245.4	434.5	424.7	1094.1	268.4	2164.6
FJ917737.1	556893	8824.3	9377.1	9827.9	10310.8	11395.3	10154.8
GQ155710.1	581919	2093.5	2110.4	3044.6	1129.6	3728.1	2723.0
GQ155106.1	572042	5530.2	6916.0	3541.5	3551.0	8322.2	5750.8
FJ378691.1	359087	150.6	773.3	714.2	211.5	68.0	1004.7
GU139738.1	590537	5315.6	4861.9	5778.5	4071.6	2834.3	4388.2
AM039967.1	146606	1737.5	2028.7	1155.9	1528.4	584.8	1768.1
EU418442.1	558319	341.3	842.4	904.0	547.1	153.3	3046.8
FJ378678.1	362310	822.8	676.2	776.2	1004.1	421.4	1963.3
FJ378669.1	366456	123.7	332.7	320.1	229.5	113.0	528.5
AF395325.1	37654	1602.8	1643.5	1681.9	1857.3	3002.6	3002.6
AJ276352.1	30497	1461.0	1816.6	1061.4	1180.6	556.7	1379.5
FJ378681.1	362734	240.8	425.7	446.8	1023.2	260.9	2008.8
NZ_ACIY01000209.1	470292	204.1	512.0	654.2	349.3	102.6	2906.6
GQ337018.1	582529	129.6	253.0	304.1	218.3	117.2	775.1
AB470234.1	367959	191.2	433.3	647.2	250.8	122.8	1196.2
DQ985159.1	223992	1865.3	2815.9	2645.9	2729.7	1614.0	3689.3
AJ301830.1	39621	1893.6	4357.7	1873.4	1869.5	1543.3	2234.8
EU003448.1	241772	101.3	302.0	211.7	170.2	85.1	588.5
GQ155230.1	549024	293.2	591.7	1147.0	917.4	305.0	1000.1
FJ378670.1	368923	104.0	322.9	209.7	179.8	91.1	587.9
EU528257.1	287252	4003.8	3643.6	5293.9	3553.9	5683.5	6307.5
FJ378668.1	359756	114.5	254.6	246.3	260.0	89.3	1885.4
EU717963.1	309491	1814.5	3162.5	2283.2	2089.0	1316.3	2347.3
FJ378661.2	362596	191.3	359.6	373.7	973.7	268.9	1058.0
GU369800.1	529160	1361.7	1629.4	2157.3	1758.4	940.3	1439.8
FJ378692.1	362577	207.3	468.7	515.0	1019.8	258.8	2042.9
AJ301836.1	74813	134.8	507.5	511.5	222.0	142.3	697.8
EU845466.1	316840	2016.2	2562.8	2188.3	2286.0	4210.0	4080.1
FJ378675.1	361670	4609.1	3204.2	1263.8	4513.0	1342.3	4462.3
AJ271856.1	73318	6061.5	6264.1	5507.4	5621.0	3681.8	5353.4
FJ378707.1	369245	9022.4	10927.4	4457.9	7119.9	9312.3	10868.5
GQ155748.1	557151	1213.0	1617.3	2315.6	1491.2	1246.3	1749.2
DQ199665.1	140065	6364.0	6955.3	6478.2	6048.8	3795.2	6325.3
FJ672209.1	515601	515.5	513.9	1191.9	324.8	1922.3	1480.4
FJ845008.1	559785	118.6	541.5	472.6	322.7	133.4	2480.4
EU459323.1	294649	482.8	1517.3	1456.6	1162.9	1019.8	2088.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae

g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Enterococcus
g__Melissococcus
g__Tetragenococcus
g__Tetragenococcus
g__Tetragenococcus
g__Tetragenococcus
g__Tetragenococcus
g__Tetragenococcus
g__Tetragenococcus
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified
g__unclassified

s__unclassified	43807
s__unclassified	43836
s__unclassified	43917
s__unclassified	43937
s__unclassified	43944
s__unclassified	43958
s__unclassified	43966
s__unclassified	43971
s__unclassified	43975
s__unclassified	43982
s__unclassified	44030
s__unclassified	44044
s__unclassified	44057
s__unclassified	44059
s__unclassified	44077
s__unclassified	44080
s__unclassified	44101
s__unclassified	44102
s__unclassified	44119
s__unclassified	44131
s__Melissococcus plutonius	43351
s__Tetragenococcus halophilus	42632
s__Tetragenococcus halophilus	42991
s__Tetragenococcus halophilus	43138
s__unclassified	42474
s__unclassified	42743
s__unclassified	43257
s__unclassified	43510
s__unclassified	42493
s__unclassified	42641
s__unclassified	43136
s__unclassified	43188
s__unclassified	43363
s__unclassified	43446
s__unclassified	43638
s__unclassified	43718
s__unclassified	43739
s__unclassified	43794
s__unclassified	43850
s__unclassified	43899
s__unclassified	44134

FJ215668.1 gg_id:325841 Enterococcus durans str. IMAU60069
FJ015055.1 gg_id:350606 Enterococcus lactis str. GA4
GQ131184.1 gg_id:424771 Enterococcus italicus str. IMAU70068; HS2301
AF349930.1 gg_id:67810 Enterococcus sp. str. CR-303S
EU717957.1 gg_id:355438 Enterococcus faecium str. Yl05
GU255467.1 gg_id:555823 Enterococcus faecium str. ST2
EU789396.1 gg_id:325104 Enterococcus faecium str. M0138
FJ378697.1 gg_id:357775 Enterococcus faecium str. HN-N42
DQ411812.1 gg_id:155933 Enterococcus pallens str. ATCC BAA-351
AB189709.1 gg_id:114014 alkaline-enriched termite gut homogenate clone Pl-9.2e-20
EF428246.2 gg_id:226289 Enterococcus mundtii str. HDYM-22
AJ301832.1 gg_id:28797 Enterococcus flavescens str. LMG 13518
FJ378694.1 gg_id:368401 Enterococcus faecium str. HN-N39
EU459175.1 gg_id:288293 hedgehog feces clone HH_aai33c04
FJ378674.1 gg_id:361558 Enterococcus faecium str. HN-N19
EU844974.1 gg_id:352189 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi
AJ420806.1 gg_id:44890 Enterococcus mundtii str. CECT972T
AJ301835.1 gg_id:48898 Enterococcus malodoratus str. LMG 10747
EU807757.1 gg_id:322616 Enterococcus faecalis str. NR1
EU878170.1 gg_id:315043 Enterococcus faecium str. SH 632
AY862507.1 gg_id:109837 Melissococcus plutonius str. ATCC 35311
EU689058.1 gg_id:352407 Tetragenococcus halophilus str. JCM 2015; T19
EU522084.1 gg_id:305691 Tetragenococcus halophilus str. T2
EU522090.1 gg_id:315186 Tetragenococcus halophilus str. T9
D88824.1 gg_id:15292 Tetragenococcus muriaticus
AJ301840.1 gg_id:20568 Enterococcus solitarius str. DSM 5634
Y18338.1 gg_id:15294 Enterococcus solitarius str. NCIMB 12902T
AY690334.1 gg_id:106000 Tetragenococcus koreensis str. Wan-Taek Im
GQ502552.1 gg_id:553330 Effects Geographic Location on Formosan Subterranean Termite (FST) gut clone Cf4-
FJ675076.1 gg_id:519677 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
AJ576414.1 gg_id:101516 midgut homogenate Pachnoda ephippiata larva clone PeM56
AJ854484.1 gg_id:145696 Catellicoccus marimammalium str. M34/04/3
GQ156063.1 gg_id:565384 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AJ576356.1 gg_id:107176 hindgut homogenate Pachnoda ephippiata larva clone PeH40
FJ672320.1 gg_id:512239 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ675223.1 gg_id:524674 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I
FJ192638.1 gg_id:330592 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior
AJ576341.1 gg_id:101355 hindgut homogenate Pachnoda ephippiata larva clone PeH24
AY571409.1 gg_id:114659 termite gut clone RsaHf388
Y16546.1 gg_id:43965 Atopobacter phocae str. m1590/94/2
EU560817.1 gg_id:571665 Assessment genetic Apriona germari (Hope) larvae normalization techniques intestir

FJ215668.1	325841	5402.3	5136.5	6082.5	4133.0	2844.3	5583.9
FJ015055.1	350606	330.1	870.9	1222.5	1058.8	341.1	2786.4
GQ131184.1	424771	3148.4	3536.5	2384.8	4086.9	1620.1	2303.0
AF349930.1	67810	3408.4	3597.1	2277.7	2854.4	5778.3	5541.0
EU717957.1	355438	223.4	812.1	624.3	381.8	255.4	2066.6
GU255467.1	555823	431.0	770.3	1230.1	1108.3	359.2	754.4
EU789396.1	325104	320.3	783.9	908.6	518.6	141.9	2841.0
FJ378697.1	357775	678.9	1403.0	376.6	1004.3	473.1	1541.8
DQ411812.1	155933	1422.8	2284.6	2332.9	1538.8	1320.9	4188.4
AB189709.1	114014	1248.6	1889.1	2030.7	897.9	1037.4	1835.7
EF428246.2	226289	1956.7	4242.6	3669.2	1620.9	4978.8	5968.4
AJ301832.1	28797	100.5	159.5	403.4	119.7	69.3	313.3
FJ378694.1	368401	3522.9	4059.5	3223.7	3939.3	7686.0	4450.9
EU459175.1	288293	2018.8	2223.8	2386.4	2407.4	2907.1	5696.0
FJ378674.1	361558	218.9	438.5	458.1	1090.5	261.9	2180.1
EU844974.1	352189	2381.3	3577.7	3000.9	2663.8	1512.4	2395.7
AJ420806.1	44890	10756.8	11581.1	7629.3	10781.6	14081.7	13247.6
AJ301835.1	48898	5215.1	6380.4	3497.7	5087.3	8178.0	9193.1
EU807757.1	322616	389.0	458.5	1013.2	1099.7	315.8	1797.6
EU878170.1	315043	170.0	287.1	195.4	921.8	262.5	381.2
AY862507.1	109837	2934.1	1396.7	3007.9	1788.2	2261.8	1424.8
EU689058.1	352407	5191.7	5841.2	4489.1	5340.7	5424.3	5642.9
EU522084.1	305691	652.9	1254.4	1756.0	995.0	1458.8	818.3
EU522090.1	315186	11844.6	11217.3	9388.3	9148.9	13397.7	12259.1
D88824.1	15292	97.9	115.5	18.2	59.9	63.0	58.4
AJ301840.1	20568	3701.6	4098.0	3281.7	3530.5	2999.9	3763.9
Y18338.1	15294	1322.3	1968.0	1655.1	1558.6	2205.5	1753.0
AY690334.1	106000	1776.5	3246.6	2160.0	1813.3	2682.1	2665.1
GQ502552.1	553330	16.7	72.7	12.3	44.2	64.6	14.7
FJ675076.1	519677	4945.4	6358.3	3607.5	3395.2	2398.5	2374.8
AJ576414.1	101516	3862.7	3938.4	5857.2	4924.1	1303.2	503.9
AJ854484.1	145696	14.0	26.2	18.4	49.4	58.4	13.7
GQ156063.1	565384	1351.3	2584.8	4266.7	1078.8	1237.0	1619.4
AJ576356.1	107176	5535.7	5954.6	4714.1	6606.6	7236.4	6703.7
FJ672320.1	512239	450.8	500.6	302.8	69.0	61.8	171.3
FJ675223.1	524674	232.9	480.6	407.5	145.3	200.2	191.1
FJ192638.1	330592	257.6	217.0	239.1	133.0	43.7	78.3
AJ576341.1	101355	714.6	1310.2	3111.2	1559.8	1105.4	1738.4
AY571409.1	114659	77.2	261.7	513.1	176.2	96.6	728.9
Y16546.1	43965	12.8	21.4	14.4	50.4	31.7	18.3
EU560817.1	571665	965.5	1522.5	2029.6	726.8	2882.2	1734.3

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Enterococcaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__unclassified
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Vagococcus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__unclassified	73122
s__unclassified	42829
s__unclassified	42913
s__unclassified	42924
s__unclassified	43407
s__unclassified	43837
s__unclassified	44018
s__unclassified	44058
s__Vagococcus fluvialis	43105
s__Vagococcus fluvialis	43965
s__Vagococcus lutrae	43978
s__Vagococcus salmoninarum	42992
s__Lactobacillus acidipiscis	71913
s__Lactobacillus acidophilus	72266
s__Lactobacillus acidophilus	72905
s__Lactobacillus agilis	72334
s__Lactobacillus agilis	72854
s__Lactobacillus agilis	72898
s__Lactobacillus aviarius	71810
s__Lactobacillus brevis	71778
s__Lactobacillus brevis	71806
s__Lactobacillus brevis	71838
s__Lactobacillus brevis	71855
s__Lactobacillus brevis	71899
s__Lactobacillus brevis	71933
s__Lactobacillus brevis	72126
s__Lactobacillus brevis	72281
s__Lactobacillus brevis	72485
s__Lactobacillus brevis	72541
s__Lactobacillus brevis	72544
s__Lactobacillus brevis	72575
s__Lactobacillus brevis	72669
s__Lactobacillus brevis	72698
s__Lactobacillus brevis	72699
s__Lactobacillus brevis	72724
s__Lactobacillus brevis	72738
s__Lactobacillus brevis	72739
s__Lactobacillus brevis	72824
s__Lactobacillus brevis	72868
s__Lactobacillus brevis	72883
s__Lactobacillus brevis	72892

EF608535.1 gg_id:230114 predatory Poecilus chalcites their response lab rearing and antibiotic treatment diges
NR_025689.1 gg_id:566186 Vagococcus carniphilus str. 1843-02; ATCC BAA-640
AY669387.1 gg_id:110054 Vagococcus carniphilus 12J
GU166171.1 gg_id:570199 wheat bran (Musca domestica) direct cloning and sequencing genes intestinal tract
NR_025360.1 gg_id:533589 Vagococcus fessus str. m2661/98/1; CCUG 41755
DQ860043.1 gg_id:240763 anchovy intestinal microflora clone F2G
FJ211190.1 gg_id:334656 Vagococcus sp. str. AC-1
FJ360897.1 gg_id:590532 Vagococcus penaei str. CD 276
AM490371.1 gg_id:200615 Vagococcus carniphilus str. JIP 14-01
EU660371.1 gg_id:301246 Vagococcus fluvialis str. CT21
Y17152.2 gg_id:15276 Vagococcus lutrae str. m1134/97/1; CCUG 39187
AM490375.1 gg_id:202657 Vagococcus salmoninarum str. JIP 20-00
AB326357.1 gg_id:250831 Lactobacillus acidipiscis str. NBRC 102164
NC_006814.3 gg_id:128961 Lactobacillus acidophilus str. NCFM
EF533992.1 gg_id:224532 Lactobacillus acidophilus str. IDCC 3301
DQ057474.1 gg_id:137026 str. ii1369
EU460840.1 gg_id:301883 short-beaked echidna feces clone ECH_aai39a11
EU774899.1 gg_id:322737 Short-beaked Echidna feces clone ECH_aai39c02
AB175732.1 gg_id:221299 Lactobacillus aviarius str. LAV7
EU177639.1 gg_id:334767 Lactobacillus brevis str. NS125
EF412979.1 gg_id:209868 Lactobacillus brevis str. I12
AF515219.1 gg_id:64389 Lactobacillus brevis str. RO97
GQ900602.1 gg_id:574944 Lactobacillus brevis str. E37
GU116478.1 gg_id:542716 Lactobacillus brevis str. TCCC13007
GQ289387.1 gg_id:572012 Lactobacillus plantarum str. TJ2
FJ532359.1 gg_id:552133 Lactobacillus brevis str. TJ7
GU125543.1 gg_id:556178 Lactobacillus brevis str. IMAU80121
DQ974207.1 gg_id:184047 Lactobacillus brevis str. BH2
AF090328.1 gg_id:15172 Lactobacillus brevis str. K9
GQ900600.1 gg_id:591412 Lactobacillus brevis str. E6
GQ900601.1 gg_id:579148 Lactobacillus brevis str. E36
EF412983.1 gg_id:212390 Lactobacillus brevis str. I218
GQ900599.1 gg_id:573530 Lactobacillus brevis str. D13
D37785.1 gg_id:15173 Lactobacillus brevis L63
FJ405226.1 gg_id:360833 Lactobacillus brevis str. ZJ2
AJ937772.1 gg_id:126840 Lactobacillus brevis str. TKS8
EU147304.1 gg_id:236581 Lactobacillus brevis str. BFE 8359
EU626007.1 gg_id:277794 Lactobacillus brevis str. KLDS 1.0722
FJ532360.1 gg_id:562473 Lactobacillus brevis str. 14G
EF412982.1 gg_id:204678 Lactobacillus brevis str. I211
EU194344.1 gg_id:335435 Lactobacillus brevis str. LMG 11992

EF608535.1	230114	15.3	30.4	22.1	50.8	49.1	18.1
NR_025689.1	566186	478.6	1045.5	2342.3	464.7	1436.8	2558.6
AY669387.1	110054	5397.5	4174.3	5179.7	6751.0	4037.3	4183.3
GU166171.1	570199	310.4	593.6	1022.8	260.5	720.6	525.9
NR_025360.1	533589	553.1	828.8	1773.4	475.9	942.4	2051.3
DQ860043.1	240763	2577.0	3038.6	1703.9	1536.2	1237.7	1575.8
FJ211190.1	334656	938.9	1926.0	3386.6	611.7	3344.1	2494.1
FJ360897.1	590532	2048.6	2293.2	1974.3	1415.5	1359.3	1799.9
AM490371.1	200615	662.2	1001.3	3186.7	558.9	2756.4	3991.8
EU660371.1	301246	2213.4	2083.1	2217.6	1410.8	1569.1	2831.6
Y17152.2	15276	207.1	193.7	882.3	207.7	265.8	302.3
AM490375.1	202657	1342.6	1832.0	6070.2	1732.6	2959.9	3819.7
AB326357.1	250831	1518.4	987.5	2488.4	944.3	1538.1	1816.4
NC_006814.3	128961	4558.2	4764.1	3737.0	3295.4	3614.8	3782.6
EF533992.1	224532	1470.1	1451.7	1505.3	1517.7	188.2	1088.1
DQ057474.1	137026	1391.4	1127.1	1655.6	615.4	433.2	1968.4
EU460840.1	301883	2324.2	2852.4	2305.1	1786.2	4799.0	7005.2
EU774899.1	322737	716.4	1356.6	1667.8	1289.5	3039.9	4389.4
AB175732.1	221299	223.8	217.9	207.8	94.7	306.9	539.1
EU177639.1	334767	1831.4	2068.6	1744.0	1711.0	4790.6	3940.1
EF412979.1	209868	1127.5	1040.7	1087.5	1702.1	707.8	1162.1
AF515219.1	64389	482.1	699.1	2178.8	2118.7	878.1	1238.5
GQ900602.1	574944	119.5	128.9	473.6	216.7	211.8	370.1
GU116478.1	542716	1143.3	1411.9	1599.4	982.8	3285.1	3334.9
GQ289387.1	572012	1603.4	1696.0	1674.5	857.9	3702.9	3346.8
FJ532359.1	552133	2740.3	3510.3	2228.6	3683.3	7431.9	4246.2
GU125543.1	556178	1145.6	1409.1	1599.8	980.8	3283.7	3373.3
DQ974207.1	184047	1099.0	1355.9	1548.0	891.9	3274.3	2926.0
AF090328.1	15172	1589.5	1775.0	1620.6	839.9	3694.2	3266.9
GQ900600.1	591412	1667.2	1845.7	1897.8	1006.5	3906.6	3373.5
GQ900601.1	579148	2884.5	1813.7	2720.3	3467.6	1990.2	2990.7
EF412983.1	212390	1145.5	1394.3	1574.8	985.1	3294.7	3368.2
GQ900599.1	573530	1401.8	1505.2	869.3	1627.7	3378.5	3001.8
D37785.1	15173	372.7	680.1	1031.6	511.5	1529.1	2051.4
FJ405226.1	360833	3134.3	3237.5	2909.6	2748.7	5688.0	4966.3
AJ937772.1	126840	1828.0	2019.3	2010.2	854.8	918.0	1293.1
EU147304.1	236581	1687.2	1902.3	1964.1	1025.2	3901.9	3468.1
EU626007.1	277794	1937.7	1934.8	2355.2	1430.1	3722.7	3783.0
FJ532360.1	562473	2744.1	2755.2	1972.2	2452.4	6361.1	5064.9
EF412982.1	204678	206.8	289.8	527.2	359.7	409.9	859.8
EU194344.1	335435	292.5	555.0	745.5	348.2	1328.8	1934.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__Lactobacillus brevis	72945
s__Lactobacillus brevis	73015
s__Lactobacillus brevis	73016
s__Lactobacillus brevis	73056
s__Lactobacillus brevis	73121
s__Lactobacillus brevis	73125
s__Lactobacillus capillatus	72401
s__Lactobacillus coleohominis	72226
s__Lactobacillus coleohominis	72985
s__Lactobacillus crispatus	71791
s__Lactobacillus crispatus	71820
s__Lactobacillus crispatus	71957
s__Lactobacillus crispatus	71972
s__Lactobacillus crispatus	72074
s__Lactobacillus crispatus	72082
s__Lactobacillus crispatus	72092
s__Lactobacillus crispatus	72227
s__Lactobacillus crispatus	72242
s__Lactobacillus crispatus	72373
s__Lactobacillus crispatus	72376
s__Lactobacillus crispatus	72377
s__Lactobacillus crispatus	72444
s__Lactobacillus crispatus	72755
s__Lactobacillus crispatus	72794
s__Lactobacillus crispatus	72859
s__Lactobacillus crispatus	73024
s__Lactobacillus crustorum	72212
s__Lactobacillus curvatus	71821
s__Lactobacillus curvatus	72925
s__Lactobacillus delbrueckii	71824
s__Lactobacillus delbrueckii	73055
s__Lactobacillus diolivorans	72994
s__Lactobacillus farraginis	72094
s__Lactobacillus farraginis	72382
s__Lactobacillus fermentum	71774
s__Lactobacillus fermentum	71911
s__Lactobacillus fermentum	71970
s__Lactobacillus fermentum	72036
s__Lactobacillus fermentum	72209
s__Lactobacillus fermentum	72620
s__Lactobacillus fermentum	72645

AY929284.1 gg_id:113742 Lactobacillus brevis str. BFE 6673
EU626006.1 gg_id:277822 Lactobacillus brevis str. KLDS 1.0721
EF412980.1 gg_id:205080 Lactobacillus brevis str. I23
FJ377713.1 gg_id:368916 Lactobacillus brevis str. RSD42
GU220024.1 gg_id:581930 Lactobacillus brevis str. SC2A
CP000416.1 gg_id:187895 Lactobacillus brevis str. ATCC 367
AB365977.1 gg_id:351825 Lactobacillus capillatus str. YIT 11317
AB425925.1 gg_id:580392 Lactobacillus coleohominis str. TB-C19
AJ292530.2 gg_id:23477 Lactobacillus coleohominis
EU559595.1 gg_id:276632 Lactobacillus crispatus str. ZDY35b
AF243141.1 gg_id:41700 Lactobacillus crispatus str. BLB2
GQ074725.1 gg_id:452720 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv
GQ070874.1 gg_id:455412 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw
GQ074133.1 gg_id:371731 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ074601.1 gg_id:402842 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ074192.1 gg_id:391592 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ074160.1 gg_id:427907 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ011573.1 gg_id:498091 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw793f10
AJ242969.1 gg_id:15129 Lactobacillus crispatus str. NCTC 4
DQ317604.1 gg_id:149002 Lactobacillus crispatus str. 15L08
GQ070816.1 gg_id:441240 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw
DQ057450.1 gg_id:133039 str. ii1269
DQ057440.1 gg_id:131154 str. ii1225
AF243171.1 gg_id:33386 Lactobacillus crispatus str. TL23a
GQ010914.1 gg_id:498752 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n
GQ078614.1 gg_id:422527 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw
AM285451.1 gg_id:199536 Lactobacillus crustorum str. LMG 23702 R-19087
AY204891.1 gg_id:81329 Lactobacillus curvatus str. YMRS3a
AY204890.1 gg_id:82190 Lactobacillus curvatus str. PSTJA3a
AF349922.1 gg_id:67818 derived cheese sample clone 51CR
EU722745.1 gg_id:326330 Lactobacillus delbrueckii str. L4
FJ749581.1 gg_id:548624 Lactobacillus diolivorans str. IMAU10018; SY5-2
AB262731.1 gg_id:180597 Lactobacillus farraginis str. NRIC 0676
AM266587.1 gg_id:161232 Lactobacillus faeni str. TMW 1.1303 = DSM 180
EU419594.1 gg_id:260994 Lactobacillus fermentum str. KLDS 1.0617
EF535257.1 gg_id:220122 Lactobacillus fermentum str. KLB 261
AF302116.1 gg_id:52471 Lactobacillus fermentum str. KLD
EU547297.1 gg_id:557918 Lactobacillus fermentum str. BCS25
EU469860.1 gg_id:302890 western lowland gorilla feces clone GOR_aag72g08
U62624.1 gg_id:15140 Lactobacillus fermentum str. KRM
EF460496.1 gg_id:214156 Lactobacillus fermentum str. SR2

AY929284.1	113742	369.1	683.0	1170.8	508.9	1529.7	2010.1
EU626006.1	277822	1683.6	1897.2	1960.6	1021.2	3903.2	3464.0
EF412980.1	205080	1246.1	1467.6	1629.6	1107.5	1834.7	2439.1
FJ377713.1	368916	1791.3	1581.7	837.2	1814.7	3489.2	2499.3
GU220024.1	581930	1908.1	2011.6	1714.9	1616.9	4780.7	3489.9
CP000416.1	187895	1051.5	1286.9	1259.8	799.4	3074.8	3176.2
AB365977.1	351825	208.5	214.0	566.6	93.6	80.8	362.3
AB425925.1	580392	214.8	389.0	524.7	535.2	60.9	114.2
AJ292530.2	23477	2779.9	3395.9	1802.7	1801.3	3245.3	2514.1
EU559595.1	276632	695.2	913.1	947.8	1368.4	418.2	946.5
AF243141.1	41700	3014.3	6349.2	4420.5	4382.5	5122.3	5672.6
GQ074725.1	452720	84.5	1781.2	1583.1	2032.8	182.3	984.4
GQ070874.1	455412	3382.7	1660.0	811.5	4492.7	3111.4	2600.3
GQ074133.1	371731	4534.0	5603.1	5627.2	3546.7	1816.0	2321.4
GQ074601.1	402842	4311.4	5415.0	3138.5	4702.3	6400.7	5656.5
GQ074192.1	391592	2511.4	2735.8	1356.4	2580.5	7064.2	6624.3
GQ074160.1	427907	9606.9	8233.4	9349.1	9045.0	8535.0	8333.1
GQ011573.1	498091	14555.1	14467.8	13428.6	12526.0	12495.0	12336.8
AJ242969.1	15129	1783.5	2226.7	2132.0	1432.8	2473.4	2075.5
DQ317604.1	149002	1401.1	1571.4	802.2	1519.7	795.6	1125.6
GQ070816.1	441240	13371.3	14621.8	9677.5	12103.1	13759.5	13555.6
DQ057450.1	133039	38.5	63.1	158.6	78.4	66.5	57.7
DQ057440.1	131154	6568.4	7386.3	3805.7	7289.6	7824.8	6651.3
AF243171.1	33386	1645.9	1782.4	1141.9	1582.6	3399.3	2490.1
GQ010914.1	498752	60.7	243.2	411.2	131.8	78.5	244.4
GQ078614.1	422527	7515.9	7366.5	8447.8	8216.1	5921.6	7214.7
AM285451.1	199536	1073.8	2021.5	1871.6	690.1	93.2	433.9
AY204891.1	81329	766.1	1125.4	969.9	648.3	1591.9	1165.1
AY204890.1	82190	780.6	1139.8	931.2	657.7	1594.1	1304.9
AF349922.1	67818	2798.5	2058.2	205.2	3865.2	3699.9	3372.0
EU722745.1	326330	73.7	158.4	791.5	96.7	94.9	160.7
FJ749581.1	548624	991.4	1166.4	1676.1	1276.6	888.4	938.1
AB262731.1	180597	2327.0	2190.8	2647.2	1466.7	541.9	2071.0
AM266587.1	161232	4064.8	4187.8	2797.0	2702.7	3615.7	4632.6
EU419594.1	260994	1113.6	1382.3	1558.7	662.3	1153.4	1632.3
EF535257.1	220122	9908.1	9995.6	7821.7	7565.9	8988.1	8673.2
AF302116.1	52471	9196.6	11596.6	8654.2	7376.3	9628.7	8979.0
EU547297.1	557918	2096.6	2967.7	1201.1	1951.4	4235.9	4395.3
EU469860.1	302890	4824.1	5642.7	6659.9	3631.3	6579.1	6920.4
U62624.1	15140	6967.4	6991.7	6948.8	6014.6	6224.9	6103.4
EF460496.1	214156	3260.8	2811.4	643.6	2990.7	1099.5	1837.5

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__Lactobacillus fermentum	73085
s__Lactobacillus fuchuensis	72851
s__Lactobacillus hamsteri	72307
s__Lactobacillus harbinensis	73075
s__Lactobacillus harbinensis	73120
s__Lactobacillus helveticus	71793
s__Lactobacillus helveticus	71872
s__Lactobacillus helveticus	71877
s__Lactobacillus helveticus	71880
s__Lactobacillus helveticus	72000
s__Lactobacillus helveticus	72038
s__Lactobacillus helveticus	72060
s__Lactobacillus helveticus	72321
s__Lactobacillus helveticus	72508
s__Lactobacillus helveticus	72578
s__Lactobacillus helveticus	72585
s__Lactobacillus helveticus	72733
s__Lactobacillus helveticus	72751
s__Lactobacillus helveticus	72779
s__Lactobacillus helveticus	73038
s__Lactobacillus helveticus	73041
s__Lactobacillus helveticus	73062
s__Lactobacillus helveticus	73087
s__Lactobacillus hilgardii	72187
s__Lactobacillus hilgardii	72865
s__Lactobacillus iners	71804
s__Lactobacillus ingluviei	72271
s__Lactobacillus ingluviei	72454
s__Lactobacillus ingluviei	72569
s__Lactobacillus intestinalis	71885
s__Lactobacillus intestinalis	71917
s__Lactobacillus jensenii	71895
s__Lactobacillus jensenii	73025
s__Lactobacillus kefiranofaciens	71984
s__Lactobacillus kefiranofaciens	72412
s__Lactobacillus kefiri	72108
s__Lactobacillus kefiri	72550
s__Lactobacillus lindneri	72028
s__Lactobacillus mali	73021
s__Lactobacillus manihotivorans	72716
s__Lactobacillus manihotivorans	72756

EF535258.1 gg_id:222909 Lactobacillus fermentum str. KLB 231
AB370875.1 gg_id:276599 Lactobacillus fuchuensis str. B5M10 (=JCM 11249 =DSM 14340)
Y17361.1 gg_id:15125 Lactobacillus amylolyticus str. LA 5
AB368915.1 gg_id:281310 Lactobacillus harbinensis str. T9-8
AB196123.1 gg_id:140719 Lactobacillus harbinensis str. SBT10908
FJ749416.1 gg_id:588829 Lactobacillus helveticus str. IMAU50013; YN15-4-1-2
FJ749434.1 gg_id:562265 Lactobacillus helveticus str. IMAU50033; YN17-1-2-3-1
EF533989.1 gg_id:225190 Lactobacillus suntoryeus str. IDCC 3101
FJ749689.1 gg_id:556337 Lactobacillus helveticus str. IMAU30123; F1402
EU419585.1 gg_id:267753 Lactobacillus helveticus str. KLDS 1.0601
FJ861099.1 gg_id:548478 Lactobacillus helveticus str. KLDS 1.0356
FJ749644.1 gg_id:549081 Lactobacillus helveticus str. IMAU30052; C6203
FJ861108.1 gg_id:541176 Lactobacillus helveticus str. KLDS 1.0647
AY675248.1 gg_id:105631 Lactobacillus suntoryeus str. LH
FJ861102.1 gg_id:540215 Lactobacillus helveticus str. KLDS 1.0635
FJ861100.1 gg_id:568817 Lactobacillus helveticus str. KLDS 1.0633
EU124655.1 gg_id:242121 Lactobacillus helveticus str. C7303
FJ749412.1 gg_id:564090 Lactobacillus helveticus str. IMAU50009; YN1-4-2
GQ155447.1 gg_id:580616 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155579.1 gg_id:572925 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GU138582.1 gg_id:544201 Lactobacillus helveticus str. LSYM7-1
AY763429.1 gg_id:100251 Lactobacillus acidophilus str. LH4
FJ749714.1 gg_id:568800 Lactobacillus helveticus str. IMAU30155; XC1-2
AB368911.1 gg_id:285740 Lactobacillus hilgardii str. T3-12
EU177634.1 gg_id:336162 Lactobacillus hilgardii str. NS13
NZ_ACLN01000018.1 gg_id:470599 Lactobacillus iners str. DSM 13335
AF333975.1 gg_id:52162 Lactobacillus ingluviei str. KR3
AF317703.1 gg_id:40447 Lactobacillus thermotolerans str. G 43
AF317702.1 gg_id:44614 Lactobacillus thermotolerans str. G 35
EU510751.1 gg_id:266445 cecal contents Mus musculus strain C57BL/6J; WD5 clone WD5_aak40f06
DQ015194.1 gg_id:202045 Obesity alters gut microbial ecology mouse cecum clone M2_g10_2
AF243143.1 gg_id:31979 Lactobacillus jensenii str. BLB1a
EU559597.1 gg_id:265038 Lactobacillus jensenii str. ZDY46a
FJ749487.1 gg_id:553705 Lactobacillus kefiranofaciens subsp. kefirgranum str. IMAU50089; YN37-1-1
AJ575259.1 gg_id:95575 Lactobacillus subsp. kefiranofaciens str. LMG 19149
AB362681.1 gg_id:239687 Lactobacillus kefiri str. NRIC 0586
EU688976.1 gg_id:286983 Lactobacillus kefiri str. F3201
D37784.1 gg_id:15194 Lactobacillus lindneri DA1
FM878596.1 gg_id:550949 Lactobacillus mali str. LA214
EU460788.1 gg_id:294550 short-beaked echidna feces clone ECH_aai38b03
AF000163.1 gg_id:15212 Lactobacillus manihotivorans str. YAM I; LMG 18011

EF535258.1	222909	6050.6	6517.9	2102.0	5583.6	2607.6	5142.2
AB370875.1	276599	2650.3	1975.7	754.4	3370.0	1540.6	1524.3
Y17361.1	15125	4052.4	3362.8	3694.0	2762.5	587.8	1282.9
AB368915.1	281310	688.1	1219.0	572.3	786.7	1142.3	897.4
AB196123.1	140719	748.4	1045.7	587.7	854.3	1154.2	1042.4
FJ749416.1	588829	85.6	215.4	204.8	74.6	65.1	110.3
FJ749434.1	562265	180.2	238.1	839.4	313.0	106.3	255.9
EF533989.1	225190	2319.2	1669.7	2276.0	2960.8	1266.6	3608.4
FJ749689.1	556337	1794.8	2481.8	953.3	3499.1	3144.8	2116.8
EU419585.1	267753	2871.2	2705.8	3921.8	3381.7	2878.2	3137.9
FJ861099.1	548478	2958.9	2635.2	3948.0	3496.0	2896.6	3181.3
FJ749644.1	549081	345.7	432.8	871.5	376.4	369.8	438.8
FJ861108.1	541176	3304.3	2855.5	3372.6	3386.7	2721.4	3072.6
AY675248.1	105631	139.3	331.2	139.0	172.1	278.7	221.5
FJ861102.1	540215	2118.9	1911.9	2804.5	2202.9	2347.7	2444.2
FJ861100.1	568817	2908.0	2642.7	3580.0	3695.5	2907.9	3341.1
EU124655.1	242121	700.9	997.6	1428.1	1457.0	408.8	729.5
FJ749412.1	564090	2431.0	2933.3	3074.9	3116.7	2612.4	2583.6
GQ155447.1	580616	16114.6	16030.2	9925.9	12975.9	16947.5	13897.5
GQ155579.1	572925	270.4	540.8	823.3	458.1	123.6	431.9
GU138582.1	544201	59.7	91.6	245.1	106.1	87.0	75.7
AY763429.1	100251	1756.3	1682.2	1632.3	522.7	399.4	976.5
FJ749714.1	568800	170.8	360.3	159.6	189.8	126.0	89.2
AB368911.1	285740	2049.7	2041.2	2939.5	1575.5	3234.2	4886.6
EU177634.1	336162	1047.3	1047.0	1687.2	1066.9	1125.5	2360.1
NZ_ACLN01000018.1	470599	69.7	88.6	72.0	121.4	129.5	206.0
AF333975.1	52162	628.3	762.2	1580.5	925.2	557.2	1087.2
AF317703.1	40447	2345.2	2451.3	3133.6	2420.1	2631.8	3647.1
AF317702.1	44614	416.7	538.3	1106.6	397.2	361.5	1258.6
EU510751.1	266445	13.7	15.9	18.8	51.6	44.9	17.4
DQ015194.1	202045	43.1	237.2	106.0	66.5	51.5	33.5
AF243143.1	31979	20.1	33.5	396.2	70.3	53.6	57.7
EU559597.1	265038	4032.9	4717.1	3579.5	3999.6	6858.1	6363.6
FJ749487.1	553705	571.2	1107.1	769.2	287.6	2342.1	1112.3
AJ575259.1	95575	581.3	1079.7	788.5	300.1	2506.3	1403.2
AB362681.1	239687	15572.3	18649.9	9831.8	10596.3	12043.6	12267.7
EU688976.1	286983	5092.3	5196.9	9892.8	3535.8	1113.8	3227.4
D37784.1	15194	3866.6	3453.4	4411.3	4027.8	1915.1	2802.8
FM878596.1	550949	132.8	227.7	243.9	262.4	586.0	666.3
EU460788.1	294550	1345.8	871.4	617.5	1379.9	712.1	791.9
AF000163.1	15212	616.1	717.6	630.4	504.8	363.2	1024.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__Lactobacillus manihotivorans	72897
s__Lactobacillus mindensis	72882
s__Lactobacillus mucosae	71815
s__Lactobacillus oeni	72158
s__Lactobacillus oligofermentans	72421
s__Lactobacillus panis	72019
s__Lactobacillus pantheris	72251
s__Lactobacillus pantheris	72730
s__Lactobacillus parabrevis	72239
s__Lactobacillus parabrevis	72447
s__Lactobacillus paracollinoides	71932
s__Lactobacillus parakefiri	72467
s__Lactobacillus paralimentarius	73052
s__Lactobacillus paraplantarum	72089
s__Lactobacillus paraplantarum	72355
s__Lactobacillus paraplantarum	72893
s__Lactobacillus paraplantarum	72920
s__Lactobacillus pentosus	71825
s__Lactobacillus pentosus	72229
s__Lactobacillus pentosus	73043
s__Lactobacillus pobuzihii	72272
s__Lactobacillus pontis	71961
s__Lactobacillus pontis	71981
s__Lactobacillus reuteri	71819
s__Lactobacillus reuteri	71829
s__Lactobacillus reuteri	71944
s__Lactobacillus reuteri	71988
s__Lactobacillus reuteri	72096
s__Lactobacillus reuteri	72139
s__Lactobacillus reuteri	72175
s__Lactobacillus reuteri	72231
s__Lactobacillus reuteri	72258
s__Lactobacillus reuteri	72400
s__Lactobacillus reuteri	72507
s__Lactobacillus reuteri	72668
s__Lactobacillus reuteri	72703
s__Lactobacillus reuteri	72719
s__Lactobacillus reuteri	72747
s__Lactobacillus reuteri	72778
s__Lactobacillus reuteri	72804
s__Lactobacillus reuteri	72915

NR_024835.1 gg_id:575000 Lactobacillus manihotivorans str. OND 32; LMG 18010
GU138543.1 gg_id:569931 Lactobacillus mindensis str. LSWM2-4
AF243145.1 gg_id:18857 Lactobacillus mucosae str. BLB1c
EU821350.1 gg_id:538942 Lactobacillus oeni str. 103
AY733083.1 gg_id:104517 Lactobacillus oligofermentans str. MARL13
X94230.1 gg_id:15148 Lactobacillus panis str. DSM 6035T
AB257867.1 gg_id:158349 Lactobacillus pantheris FP37-1
NR_025189.1 gg_id:573944 Lactobacillus pantheris str. LMG 21017
AB512779.1 gg_id:580959 Lactobacillus parabrevis str. YIT 12113
AB297927.1 gg_id:253940 Lactobacillus senmaizukensis str. L13
AB473626.1 gg_id:528967 Lactobacillus paracollinoides str. JCM 15729
NR_029039.1 gg_id:566740 Lactobacillus parakefiri str. GCL 1731; LMG 15133
NR_025045.1 gg_id:550403 Lactobacillus kimchii str. MT-1077; AP1077; JCM 10707
AB191250.1 gg_id:107631 Lactobacillus paraplantarum str. II 32
AY383631.1 gg_id:95489 Lactobacillus plantarum str. MiLAB14
DQ486145.1 gg_id:158659 Lactobacillus plantarum str. SFCB2-7c
GU138564.1 gg_id:557831 Lactobacillus plantarum str. LSBM6-5
AB362711.1 gg_id:249730 Lactobacillus pentosus str. NRIC 1554
AB362739.1 gg_id:238712 Lactobacillus plantarum str. NRIC 1739
EU559599.1 gg_id:264917 Lactobacillus plantarum str. ZDY128
AB326363.1 gg_id:588823 Lactobacillus pobuzihi str. NBRC 103224 E100326
X76329.1 gg_id:15142 Lactobacillus pontis str. LTH 2587
AJ422032.1 gg_id:76876 Lactobacillus pontis str. LMG 14187T = R-1465
GQ155597.1 gg_id:511199 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
CP000705.1 gg_id:231242 Lactobacillus reuteri F275 str. DSM 20016
CP000705.1 gg_id:231245 Lactobacillus reuteri F275 str. DSM 20016
EF412975.1 gg_id:214229 Lactobacillus reuteri str. C1
GQ155514.1 gg_id:510643 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ156435.1 gg_id:591239 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155466.1 gg_id:556287 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EF412977.1 gg_id:203814 Lactobacillus reuteri str. C16
EF097168.1 gg_id:185432 mouse cecum clone SWPT18_aaa02d05
GQ155469.1 gg_id:585860 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155455.1 gg_id:575693 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155615.1 gg_id:579207 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
GQ155669.1 gg_id:558815 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EF412976.1 gg_id:216761 Lactobacillus reuteri str. C10
GQ155573.1 gg_id:538440 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AY735406.1 gg_id:108135 Lactobacillus reuteri str. LU3
GQ448922.1 gg_id:585264 Microbiome neonatal calves: shedding microorganisms fecal clone calf783_2wks_gr
GQ155509.1 gg_id:540888 Human gut microbiome adopts alternative state bowel transplantation ileum intesti

NR_024835.1	575000	1223.7	1336.6	1221.7	1607.9	408.2	1734.7
GU138543.1	569931	2207.0	3137.9	3598.4	1639.1	1255.3	1895.2
AF243145.1	18857	60.7	177.2	526.3	77.8	53.4	67.9
EU821350.1	538942	91.4	211.5	153.5	83.7	73.7	76.0
AY733083.1	104517	67.3	181.5	282.5	105.6	76.6	102.1
X94230.1	15148	2874.6	2750.3	3916.3	767.0	430.5	1740.2
AB257867.1	158349	18854.6	16441.4	14021.6	13343.1	15966.2	13794.9
NR_025189.1	573944	171.2	205.6	244.7	326.4	357.6	1361.5
AB512779.1	580959	928.8	1294.3	2187.0	2060.0	1668.0	2637.1
AB297927.1	253940	1851.9	1910.8	2022.8	2193.7	1718.7	2013.9
AB473626.1	528967	52.9	225.9	272.0	358.6	128.9	120.1
NR_029039.1	566740	4024.9	4538.7	2609.8	2308.8	2490.5	2444.1
NR_025045.1	550403	4118.0	5112.5	8322.9	5770.9	3512.7	6554.2
AB191250.1	107631	1012.9	1054.1	1547.9	1734.6	1307.9	1345.3
AY383631.1	95489	1073.0	1131.4	1765.6	1846.9	1536.2	1366.4
DQ486145.1	158659	1140.6	1086.7	1704.4	1846.9	1532.5	1427.4
GU138564.1	557831	1322.9	1305.2	2372.2	2418.8	1560.6	1802.1
AB362711.1	249730	1094.6	1085.3	1664.6	1780.4	1355.9	1353.8
AB362739.1	238712	305.3	313.5	526.9	373.9	370.0	526.8
EU559599.1	264917	202.9	591.1	460.6	347.1	117.9	3348.5
AB326363.1	588823	11639.4	8679.8	6543.5	7182.0	8786.8	9789.7
X76329.1	15142	538.2	322.1	703.1	597.6	129.8	301.1
AJ422032.1	76876	398.9	409.2	476.4	121.9	171.5	459.2
GQ155597.1	511199	8417.9	12609.2	7154.6	7607.3	9334.8	13318.6
CP000705.1	231242	197.4	414.0	224.7	390.9	220.1	540.9
CP000705.1	231245	181.3	303.4	269.6	390.5	133.4	193.4
EF412975.1	214229	1610.5	2382.2	2511.7	2334.1	941.8	1594.3
GQ155514.1	510643	3670.2	5566.8	4218.5	2037.7	679.8	1489.9
GQ156435.1	591239	4208.1	6075.5	4489.6	2536.5	762.3	1819.2
GQ155466.1	556287	6227.9	7881.0	6741.1	4189.3	3856.6	5344.4
EF412977.1	203814	1022.3	2115.8	1737.4	2019.6	866.0	1000.9
EF097168.1	185432	50.9	97.2	290.2	85.3	98.0	106.3
GQ155469.1	585860	1193.3	757.9	556.5	2565.4	1469.5	2082.1
GQ155455.1	575693	475.5	1233.6	1448.3	529.6	1478.2	1976.4
GQ155615.1	579207	398.4	812.2	2214.4	387.0	3367.7	2626.8
GQ155669.1	558815	2914.4	1198.2	2901.4	2821.5	1394.3	4341.2
EF412976.1	216761	592.4	941.9	569.7	558.3	1244.1	1123.2
GQ155573.1	538440	6010.2	7479.0	2889.8	4263.0	4783.3	7818.4
AY735406.1	108135	4560.3	9800.9	3756.8	4447.2	7996.4	7276.9
GQ448922.1	585264	6112.9	8249.5	2315.2	5013.6	8944.5	7578.8
GQ155509.1	540888	1877.8	3783.7	2539.5	1199.9	1653.1	2225.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__Lactobacillus reuteri	72940
s__Lactobacillus reuteri	72971
s__Lactobacillus rossiae	72062
s__Lactobacillus rossiae	72451
s__Lactobacillus rossiae	72772
s__Lactobacillus rossiae	72838
s__Lactobacillus ruminis	72749
s__Lactobacillus saerimneri	72866
s__Lactobacillus salivarius	71904
s__Lactobacillus salivarius	72572
s__Lactobacillus sanfranciscensis	72048
s__Lactobacillus satsumensis	72249
s__Lactobacillus siliginis	72972
s__Lactobacillus sucicola	72450
s__Lactobacillus vaccinostercus	71830
s__Lactobacillus vaccinostercus	72023
s__Lactobacillus vaccinostercus	72722
s__Lactobacillus vaccinostercus	72929
s__Lactobacillus vaginalis	72627
s__Lactobacillus vaginalis	72715
s__Lactobacillus vini	72547
s__Lactobacillus zeae	71784
s__Lactobacillus zeae	71826
s__Lactobacillus zeae	71867
s__Lactobacillus zeae	72206
s__Lactobacillus zeae	72221
s__Lactobacillus zeae	72338
s__Lactobacillus zeae	72410
s__Lactobacillus zeae	72562
s__Lactobacillus zeae	72638
s__Lactobacillus zeae	72647
s__Lactobacillus zeae	72899
s__Lactobacillus zeae	72950
s__Lactobacillus zeae	73059
s__unclassified	49025
s__unclassified	49030
s__unclassified	49443
s__unclassified	49489
s__unclassified	49594
s__unclassified	71767
s__unclassified	71768

AP007281.1 gg_id:269738 Lactobacillus reuteri F275 str. JCM 1112
AB425927.1 gg_id:555024 Lactobacillus reuteri str. TB-D21
AB370880.1 gg_id:268385 Lactobacillus rossiae str. DSM 15814
EU180606.1 gg_id:307389 Lactobacillus reuteri str. NS98
GU138515.1 gg_id:587018 Lactobacillus rossiae str. LSWM2-5
GU138561.1 gg_id:544158 Lactobacillus rossiae str. LSAM1-2
AB034088.1 gg_id:26075 rumen clone 3C3d-2
AB425942.1 gg_id:551940 Lactobacillus saerimneri str. TB-I37
AB186340.1 gg_id:137150 Lactobacillus salivarius str. DLS 0811
FJ751781.1 gg_id:593337 Lactobacillus salivarius str. 325T
AJ422037.1 gg_id:76839 Lactobacillus sanfranciscensis str. C57 = R-15351
NR_028658.1 gg_id:585770 Lactobacillus satsumensis str. NRIC 0604
AB370882.1 gg_id:276238 Lactobacillus siligionis str. NBRC 101315
AB458681.1 gg_id:591269 Lactobacillus sucicola str. NRIC 0735
AJ621556.2 gg_id:132461 Lactobacillus vaccinostercus str. LMG 9215
AB218799.1 gg_id:159914 Lactobacillus vaccinostercus str. YIT 10316
AJ315640.1 gg_id:74107 Lactobacillus durianis str. LMG 19193
AB218797.1 gg_id:160167 Lactobacillus vaccinostercus str. YIT 10300
EF460497.1 gg_id:215674 Lactobacillus vaginalis str. SR8
NR_025371.1 gg_id:536754 Lactobacillus frumenti str. TMW 1.666; DSM 13145
AB242320.1 gg_id:142448 Lactobacillus mobilis str. SIID2227-1-3b
AY699577.1 gg_id:106143 Lactobacillus casei str. LC2
AF243146.1 gg_id:48136 Lactobacillus rhamnosus str. F11
AY735405.2 gg_id:108112 Lactobacillus paracasei str. LPC4
EU825659.1 gg_id:445624 Lactobacillus rhamnosus
AY852248.1 gg_id:110589 Lactobacillus rhamnosus str. P15
AJ558112.1 gg_id:83495 Lactobacillus casei str. CWBI-B623
EF495247.1 gg_id:218969 Lactobacillus rhamnosus str. L60
AY773957.1 gg_id:107860 Lactobacillus rhamnosus 5D
AB362692.1 gg_id:249164 Lactobacillus paracasei str. NRIC 0625
AY773945.1 gg_id:108736 Lactobacillus casei str. BCRC10697
AY773958.1 gg_id:107861 Lactobacillus rhamnosus 11D
AY675253.1 gg_id:100985 Lactobacillus rhamnosus str. LR3
NZ_ABWJ01000068.1 gg_id:335393 Lactobacillus rhamnosus str. HN001
EU456340.1 gg_id:329446 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H74N
EU454546.1 gg_id:325815 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K78S
EU453007.1 gg_id:331646 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
EF097456.1 gg_id:181526 mouse cecum clone SWPT19_aaa02h04
EF096822.1 gg_id:181275 mouse cecum clone SWPT13_aaa01c03
EU621849.1 gg_id:278869 Lactobacillus plantarum str. K2
GU125607.1 gg_id:563127 Lactobacillus alimentarius str. IMAU80187

AP007281.1	269738	1540.6	6153.8	3182.2	1852.9	1002.5	3608.2
AB425927.1	555024	187.9	263.6	263.0	378.7	128.8	188.7
AB370880.1	268385	969.5	867.2	1730.0	1231.2	597.6	860.7
EU180606.1	307389	3585.3	6105.2	3544.4	2036.5	6630.2	5267.4
GU138515.1	587018	234.9	288.4	556.2	487.9	90.3	184.5
GU138561.1	544158	935.1	1049.1	1221.9	1140.4	696.6	719.0
AB034088.1	26075	13.3	28.9	26.1	48.4	64.3	20.4
AB425942.1	551940	36.4	38.9	25.2	57.2	73.7	33.9
AB186340.1	137150	28.7	60.8	29.4	62.9	49.2	48.7
FJ751781.1	593337	2897.5	2778.9	3534.4	2453.7	1124.9	2298.4
AJ422037.1	76839	7210.9	9537.3	7789.7	7096.7	12150.4	7382.3
NR_028658.1	585770	854.9	1007.6	1802.7	822.1	1696.8	2661.2
AB370882.1	276238	3728.5	3494.1	3648.0	3183.0	902.3	4325.7
AB458681.1	591269	1788.5	1405.6	3488.2	1215.7	4326.2	5697.0
AJ621556.2	132461	2670.8	4068.4	3868.5	2220.2	632.1	2519.4
AB218799.1	159914	481.6	494.4	586.5	138.8	247.7	701.7
AJ315640.1	74107	160.2	249.7	269.5	110.5	251.2	568.0
AB218797.1	160167	763.3	773.6	1324.3	883.6	416.6	1234.4
EF460497.1	215674	118.5	238.4	220.5	100.4	89.1	183.1
NR_025371.1	536754	601.7	692.4	987.5	666.2	125.6	659.1
AB242320.1	142448	105.5	46.8	72.5	56.5	53.1	57.4
AY699577.1	106143	3458.6	3948.7	3414.3	3061.4	3526.0	3543.3
AF243146.1	48136	1923.6	3527.6	4355.1	2336.4	699.4	1190.2
AY735405.2	108112	2761.4	3245.9	2001.3	1668.3	3355.1	2672.9
EU825659.1	445624	166.4	298.7	942.6	610.4	185.3	403.0
AY852248.1	110589	4167.0	2843.6	1830.0	4254.1	1955.7	2962.4
AJ558112.1	83495	1077.8	1895.7	3567.6	1293.7	1505.3	2352.9
EF495247.1	218969	431.8	985.8	2889.7	1763.5	534.1	836.3
AY773957.1	107860	1049.8	2152.3	3056.5	1787.6	471.2	619.5
AB362692.1	249164	3028.7	3086.6	2030.7	1675.4	3352.6	2692.8
AY773945.1	108736	5949.8	5342.6	4961.3	2501.6	5198.1	6448.5
AY773958.1	107861	7663.0	5652.5	7849.7	6921.7	5240.2	6755.8
AY675253.1	100985	138.8	232.9	919.2	543.9	192.3	318.0
NZ_ABWJ01000068.1	335393	398.9	593.0	2544.4	1518.0	406.8	376.3
EU456340.1	329446	558.5	650.7	1876.7	480.5	1644.7	937.2
EU454546.1	325815	7092.9	5629.3	7108.3	4751.4	3926.2	4511.9
EU453007.1	331646	411.0	1251.1	1205.6	386.5	693.1	492.2
EF097456.1	181526	3699.9	4148.0	3118.8	2542.9	3706.1	4225.8
EF096822.1	181275	3922.6	5671.0	1721.7	3991.7	7300.2	4920.7
EU621849.1	278869	2442.6	2972.1	1977.0	3907.1	3924.2	4508.0
GU125607.1	563127	3612.3	4105.4	6309.5	3298.5	2713.0	4590.7

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__unclassified	71770
s__unclassified	71773
s__unclassified	71775
s__unclassified	71777
s__unclassified	71782
s__unclassified	71783
s__unclassified	71789
s__unclassified	71790
s__unclassified	71792
s__unclassified	71794
s__unclassified	71797
s__unclassified	71799
s__unclassified	71803
s__unclassified	71805
s__unclassified	71807
s__unclassified	71808
s__unclassified	71809
s__unclassified	71813
s__unclassified	71814
s__unclassified	71816
s__unclassified	71834
s__unclassified	71843
s__unclassified	71844
s__unclassified	71848
s__unclassified	71850
s__unclassified	71853
s__unclassified	71857
s__unclassified	71862
s__unclassified	71864
s__unclassified	71869
s__unclassified	71875
s__unclassified	71879
s__unclassified	71889
s__unclassified	71894
s__unclassified	71906
s__unclassified	71909
s__unclassified	71915
s__unclassified	71924
s__unclassified	71931
s__unclassified	71936
s__unclassified	71939

EU381122.1 gg_id:271366 Lactobacillus reuteri str. ls21
FJ480209.1 gg_id:582919 Lactobacillus plantarum str. WCP931
EU453133.1 gg_id:323257 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H80N
EF614861.1 gg_id:232078 Obesity alters gut microbial ecology cecum mother 1 mouse offspring genotype ob/o
EU456847.1 gg_id:316572 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
EU453072.1 gg_id:330003 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H78S
EF097553.1 gg_id:182410 mouse cecum clone SWPT19_aaa04c08
EU450981.1 gg_id:310929 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
AB362726.1 gg_id:250627 Lactobacillus plantarum str. NRIC 1592
EU455101.1 gg_id:304585 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
AY445127.1 gg_id:107784 Lactobacillus sp. str. RA2113
AY204896.1 gg_id:82312 Lactobacillus sakei str. HNSL5a
EU526815.1 gg_id:263646 Lactobacillus paracasei str. L7
EU509472.1 gg_id:261492 cecal contents Mus musculus strain C57BL/6J; MD9 clone MD9_aap58h09
GQ155657.1 gg_id:583427 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AB186322.1 gg_id:136262 Lactobacillus johnsonii str. DLM 1701
AM113780.1 gg_id:140659 Lactobacillus homohiochii str. DSM 20571
AY667698.1 gg_id:112026 Lactobacillus alvei str. 1G2
AB262735.1 gg_id:190397 Lactobacillus parafarraginis str. NRIC 0680
AB008209.1 gg_id:257632 Lactobacillus gasseri DSM 20243
AY590777.1 gg_id:106640 Lactobacillus plantarum str. lp-onlly
AM113785.1 gg_id:139929 Lactobacillus suebicus str. DSM 5007
EU451093.1 gg_id:337269 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H78S
EU456268.1 gg_id:336900 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K79S
EU455863.1 gg_id:318335 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H83N
EU457595.1 gg_id:352447 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H83N
AJ417737.1 gg_id:61751 Lactobacillus gallinarum str. ATCC 33199
EU451738.1 gg_id:332402 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
EU455031.1 gg_id:311151 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
EU455929.1 gg_id:333597 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H79S
EU722746.1 gg_id:322818 Lactobacillus reuteri str. L7
EU451068.1 gg_id:324226 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H77S
EU773885.1 gg_id:320037 Cheetah feces clone CE2_b07
EU455600.1 gg_id:353888 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K80N
EU463871.1 gg_id:293298 Seba's short-tailed bat feces clone bat_aaj06b09
EU468211.1 gg_id:300202 lion feces clone LI1_f05_1
DQ399354.1 gg_id:153558 Lactobacillus paracasei str. SFCB2-5
AB366389.1 gg_id:553644 Lactobacillus rapi str. YIT 11204 (= NRIC 0743 = JCM 15
EU457577.1 gg_id:320463 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
FJ749595.1 gg_id:561759 Lactobacillus reuteri str. IMAU10037; ZL12-1-1
AB257866.1 gg_id:157489 Lactobacillus suebicus MCH2-2

EU381122.1	271366	418.4	784.1	1058.1	388.0	182.5	637.7
FJ480209.1	582919	4506.8	5700.6	3896.6	5926.2	2706.6	2892.7
EU453133.1	323257	2471.5	4773.9	2914.7	2391.4	5482.0	4357.8
EF614861.1	232078	4325.9	3822.0	3282.5	4500.2	5053.6	4154.9
EU456847.1	316572	20.4	47.3	149.4	56.1	70.1	73.3
EU453072.1	330003	1974.8	2785.3	1787.1	841.5	1319.6	939.3
EF097553.1	182410	226.8	340.8	891.3	250.1	2744.4	1536.9
EU450981.1	310929	2973.5	5347.0	1394.3	2209.1	9535.6	3952.9
AB362726.1	250627	6430.8	5429.6	3527.7	6876.5	4199.3	5100.9
EU455101.1	304585	8584.6	7034.0	7259.8	8060.8	4956.8	7003.5
AY445127.1	107784	894.9	534.4	1029.7	862.4	1235.3	1833.0
AY204896.1	82312	696.9	312.5	876.1	1531.1	950.2	494.1
EU526815.1	263646	3506.9	4483.7	4749.3	2622.1	4446.6	4151.6
EU509472.1	261492	14326.8	13721.2	13698.0	12982.3	14399.6	13588.7
GQ155657.1	583427	1421.8	4917.3	3503.9	1414.7	781.3	2274.3
AB186322.1	136262	162.0	435.0	1109.9	267.7	352.3	191.0
AM113780.1	140659	2582.1	2141.7	3670.2	1708.2	2320.8	2082.7
AY667698.1	112026	2512.5	1692.7	457.9	2235.4	1215.8	1322.1
AB262735.1	190397	1864.0	1754.9	1468.7	532.6	508.0	702.6
AB008209.1	257632	453.9	546.8	578.5	431.8	1004.2	926.7
AY590777.1	106640	7526.0	7344.3	4117.5	6858.1	3627.7	3672.1
AM113785.1	139929	110.7	207.0	370.9	119.6	65.5	489.6
EU451093.1	337269	650.4	547.3	624.9	317.1	2538.0	1656.8
EU456268.1	336900	1996.1	1621.7	1785.0	1250.5	807.8	1591.7
EU455863.1	318335	3041.5	3548.5	2881.5	2190.7	4103.9	4675.4
EU457595.1	352447	1163.2	970.7	1397.5	1021.0	947.5	1744.0
AJ417737.1	61751	276.2	357.4	681.1	412.7	119.4	228.9
EU451738.1	332402	6287.4	6994.5	4682.6	6789.4	7037.4	8469.1
EU455031.1	311151	797.4	1099.7	1184.7	452.8	760.1	887.6
EU455929.1	333597	4558.9	4422.0	3109.4	4829.0	4277.4	5621.8
EU722746.1	322818	189.3	342.6	82.6	339.7	115.9	331.6
EU451068.1	324226	1016.7	1160.3	1416.1	614.0	2605.4	1871.6
EU773885.1	320037	3512.0	5211.0	4102.4	4023.8	7691.9	4112.6
EU455600.1	353888	1518.3	1843.8	3668.3	1046.9	9760.1	6726.8
EU463871.1	293298	6410.6	6301.4	2677.7	6004.4	1976.3	2608.4
EU468211.1	300202	6081.7	5856.3	5828.5	7449.8	7695.8	6471.6
DQ399354.1	153558	6164.8	6367.5	5848.7	3678.0	1647.3	4291.1
AB366389.1	553644	2700.2	3128.0	3381.4	2596.4	2328.7	2137.9
EU457577.1	320463	5108.4	5305.6	2547.0	5617.0	2374.0	2756.0
FJ749595.1	561759	2061.5	2236.3	1839.0	1345.0	2183.8	2273.8
AB257866.1	157489	5638.8	5860.0	5897.2	3957.3	2826.8	5205.2

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__unclassified	71943
s__unclassified	71945
s__unclassified	71947
s__unclassified	71952
s__unclassified	71953
s__unclassified	71954
s__unclassified	71958
s__unclassified	71960
s__unclassified	71966
s__unclassified	71968
s__unclassified	71974
s__unclassified	71975
s__unclassified	71976
s__unclassified	71977
s__unclassified	71982
s__unclassified	71983
s__unclassified	71987
s__unclassified	71990
s__unclassified	71991
s__unclassified	71992
s__unclassified	71998
s__unclassified	72003
s__unclassified	72006
s__unclassified	72014
s__unclassified	72015
s__unclassified	72018
s__unclassified	72020
s__unclassified	72025
s__unclassified	72026
s__unclassified	72029
s__unclassified	72032
s__unclassified	72033
s__unclassified	72034
s__unclassified	72039
s__unclassified	72040
s__unclassified	72042
s__unclassified	72044
s__unclassified	72045
s__unclassified	72052
s__unclassified	72068
s__unclassified	72071

EU081010.1 gg_id:246945 Lactobacillus plantarum str. BMG 114
EU456750.1 gg_id:334574 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K80N
FJ975803.1 gg_id:509149 Human gut microbiome adopts alternative state bowel transplantation ileum effluent
EU006413.1 gg_id:251090 Salmonella enterica serovar typhimurium exploits inflammation compete intestinal r
AY675252.1 gg_id:100824 Lactobacillus casei str. LC3
NZ_ACGU01000081.1 gg_id:470670 Lactobacillus ultunensis str. DSM 16047
AY253659.1 gg_id:85511 Lactobacillus antri str. Kx146A4; LMG 22111T; DSM 16041T; CCUG 48456T
GU138587.1 gg_id:568871 Lactobacillus plantarum str. LSYM4-5
EF098449.1 gg_id:187083 mouse cecum clone SWPT15_aaa03c12
DQ057469.1 gg_id:137125 str. ii1348
AB366391.1 gg_id:565657 Lactobacillus otakiensis str. YIT 11452
EU455899.1 gg_id:319136 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
FJ645924.1 gg_id:536462 Lactobacillus crustorum str. 90
DQ141558.2 gg_id:138504 Lactobacillus plantarum str. HDRS1
EU456125.1 gg_id:315311 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
GU292563.1 gg_id:569336 Lactobacillus reuteri str. Probio-16
EU074833.1 gg_id:238687 Lactobacillus plantarum str. TC110
AB326356.1 gg_id:236816 Lactobacillus acidipiscis str. NBRC 102163
EU452791.1 gg_id:345369 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H74N
GQ900607.1 gg_id:549064 Lactobacillus plantarum str. F35
EU510744.1 gg_id:272882 cecal contents Mus musculus strain C57BL/6J; WD5 clone WD5_aak40e08
EU509523.1 gg_id:265707 cecal contents Mus musculus strain C57BL/6J; MD9 clone MD9_aap60b05
EU474981.1 gg_id:302975 red river hog feces clone RRH_aaa01h07
AB267406.1 gg_id:257071 Lactobacillus hayakitensis KBL13
AM113777.1 gg_id:140651 Lactobacillus curvatus str. DSM 20019
DQ837634.1 gg_id:170784 structures honeybee intestines and their response insecticidal proteins gut clone HB
DQ837632.1 gg_id:166998 structures honeybee intestines and their response insecticidal proteins gut clone HB
FJ861114.1 gg_id:545513 Lactobacillus plantarum str. KLDS 1.0630
EF412984.1 gg_id:210733 Lactobacillus gallinarum str. I16
EU457730.1 gg_id:356383 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
EU504703.1 gg_id:259372 cecal contents Mus musculus strain C57BL/6J; myd1 clone myd1_aaa04g05
EU454829.1 gg_id:346005 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H74N
AY992212.1 gg_id:130575 mouse cecum clone C16_F15
EU452351.1 gg_id:356305 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K78S
GQ900605.1 gg_id:583868 Lactobacillus plantarum str. F33
EU510741.1 gg_id:272748 cecal contents Mus musculus strain C57BL/6J; WD5 clone WD5_aak40e01
EU510975.1 gg_id:266415 cecal contents Mus musculus strain C57BL/6J; WD6 clone WD6_aak52f08
Y19167.1 gg_id:15232 Lactobacillus perolens str. L532
EF097249.1 gg_id:198443 mouse cecum clone SWPT18_aaa03g06
GQ289389.1 gg_id:561949 Lactobacillus brevis str. YJ10
EU505416.1 gg_id:274138 cecal contents Mus musculus strain C57BL/6J; myd4 clone myd4_aaa04b07

EU081010.1	246945	1405.5	1942.0	863.2	1088.7	730.7	1914.2
EU456750.1	334574	1150.9	1743.3	1185.0	367.9	2284.0	1004.7
FJ975803.1	509149	9736.7	11369.8	8603.2	7765.4	9448.7	10203.3
EU006413.1	251090	1523.1	2044.6	2218.1	1939.8	5469.7	6038.9
AY675252.1	100824	4171.3	7122.8	2285.2	2330.7	5447.3	4323.3
NZ_ACGU01000081.1	470670	313.5	430.2	1149.3	828.6	517.0	811.7
AY253659.1	85511	3328.3	2791.2	3927.0	800.2	513.2	1154.4
GU138587.1	568871	1173.2	837.7	760.6	2603.3	1450.2	891.8
EF098449.1	187083	808.0	970.0	1174.7	499.9	667.4	765.5
DQ057469.1	137125	428.2	622.2	659.5	473.7	2067.7	1858.8
AB366391.1	565657	4041.3	4550.9	2468.5	2314.2	2492.7	2455.3
EU455899.1	319136	6476.1	6593.3	4017.6	4475.4	9584.4	7342.6
FJ645924.1	536462	67.1	210.4	863.4	153.2	121.9	246.1
DQ141558.2	138504	826.4	1199.2	1205.8	2256.7	2243.4	1741.2
EU456125.1	315311	313.1	399.1	907.5	267.1	168.4	375.8
GU292563.1	569336	679.3	1157.4	1030.4	490.3	1200.1	1361.2
EU074833.1	238687	4297.0	2971.4	1372.9	6683.1	5200.9	6227.9
AB326356.1	236816	3281.3	1808.7	4865.6	1902.4	2719.0	4240.1
EU452791.1	345369	47.2	90.6	150.2	84.2	89.1	72.2
GQ900607.1	549064	1803.2	1725.1	3447.4	1457.1	3563.5	3115.8
EU510744.1	272882	36.7	65.9	89.3	96.8	72.9	230.7
EU509523.1	265707	2045.3	1599.8	1349.3	3357.7	255.9	460.1
EU474981.1	302975	3249.5	4543.7	3472.3	3911.7	9109.1	6226.2
AB267406.1	257071	4354.0	2756.7	2573.1	1883.7	1149.9	1452.4
AM113777.1	140651	854.5	440.2	953.5	1829.3	917.7	1177.7
DQ837634.1	170784	2611.2	2949.7	1510.3	2405.5	3501.0	2854.3
DQ837632.1	166998	29.0	49.6	38.5	49.0	69.6	29.1
FJ861114.1	545513	1128.3	1093.9	1723.2	1830.7	1526.0	1366.0
EF412984.1	210733	559.7	558.2	320.0	976.2	208.1	365.7
EU457730.1	356383	97.7	229.9	220.6	133.8	1315.5	708.1
EU504703.1	259372	3278.9	2660.0	2796.6	2553.2	7439.6	2898.9
EU454829.1	346005	1076.2	967.0	2046.1	2218.6	314.8	576.2
AY992212.1	130575	700.3	710.9	760.7	455.8	432.6	945.0
EU452351.1	356305	11921.2	12223.8	7494.1	10595.5	13570.2	11672.7
GQ900605.1	583868	5838.8	4616.6	1018.9	7158.0	8712.0	9516.7
EU510741.1	272748	1080.1	1820.8	2032.1	894.6	339.7	714.9
EU510975.1	266415	3221.5	1889.8	1120.2	2319.0	2290.2	2832.0
Y19167.1	15232	4885.4	5744.6	4327.2	4488.4	2745.7	6396.5
EF097249.1	198443	1230.7	1807.4	2171.5	885.6	339.2	755.0
GQ289389.1	561949	113.8	243.9	289.6	161.8	84.1	519.9
EU505416.1	274138	614.0	818.2	825.7	497.6	415.7	512.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__unclassified	72072
s__unclassified	72076
s__unclassified	72084
s__unclassified	72085
s__unclassified	72095
s__unclassified	72097
s__unclassified	72098
s__unclassified	72100
s__unclassified	72105
s__unclassified	72107
s__unclassified	72115
s__unclassified	72116
s__unclassified	72119
s__unclassified	72120
s__unclassified	72128
s__unclassified	72131
s__unclassified	72132
s__unclassified	72133
s__unclassified	72136
s__unclassified	72137
s__unclassified	72143
s__unclassified	72144
s__unclassified	72148
s__unclassified	72149
s__unclassified	72150
s__unclassified	72152
s__unclassified	72154
s__unclassified	72156
s__unclassified	72160
s__unclassified	72166
s__unclassified	72171
s__unclassified	72185
s__unclassified	72186
s__unclassified	72192
s__unclassified	72193
s__unclassified	72194
s__unclassified	72197
s__unclassified	72201
s__unclassified	72202
s__unclassified	72204
s__unclassified	72205

AF316585.1 gg_id:50977 Lactobacillus sp. str. YE06
AY253657.1 gg_id:84126 Lactobacillus kalixensis str. Kx127A2; LMG 22115T; DSM 16043T; CCUG 48459T
GQ156506.1 gg_id:536680 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EU453934.1 gg_id:312564 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
EU460844.1 gg_id:300935 short-beaked echidna feces clone ECH_aai39b05
NC_009513.1 gg_id:232292 Lactobacillus reuteri F275 str. DSM 20016
FM177140.1 gg_id:338587 Lactobacillus casei str. BL23
AM113783.1 gg_id:140595 Lactobacillus malefermentans str. DSM 5705
AB425933.1 gg_id:576004 Lactobacillus equigenerosi str. TB-F27
AB330933.1 gg_id:240133 Lactobacillus paracasei str. 1532
FJ532361.1 gg_id:585123 Lactobacillus plantarum str. 14W
AJ272031.1 gg_id:73879 Lactobacillus plantarum str. HSW36
GQ900597.1 gg_id:590725 Lactobacillus plantarum str. A15
AJ417499.1 gg_id:70957 Lactobacillus farciminis str. DSM 20185
AB018528.1 gg_id:18684 Lactobacillus paralimentarius str. TB 1
EU457235.1 gg_id:336661 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H78S
EU453395.1 gg_id:326168 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K78S
GU177629.1 gg_id:582937 Lactobacillus casei str. 3-2
EU776515.1 gg_id:314385 Lion feces clone LI1_d02
EU460828.1 gg_id:288584 short-beaked echidna feces clone ECH_aai38h04
EF187245.1 gg_id:348593 Lactobacillus sp. str. Bin4
EU504694.1 gg_id:259726 cecal contents Mus musculus strain C57BL/6J; myd1 clone myd1_aaa04f04
AF243163.1 gg_id:43142 Lactobacillus sp. str. KC45a
GQ030443.1 gg_id:446566 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw878c09c
GQ155448.1 gg_id:591100 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
AB268119.1 gg_id:192776 Lactobacillus composti str. NRIC 0690
EU454159.1 gg_id:323205 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K78S
EU510722.1 gg_id:265346 cecal contents Mus musculus strain C57BL/6J; WD5 clone WD5_aak40a07
EU454340.1 gg_id:323666 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H79S
EU505289.1 gg_id:263903 cecal contents Mus musculus strain C57BL/6J; myd4 clone myd4_aaa01h10
EU460768.1 gg_id:301085 short-beaked echidna feces clone ECH_aai37g02
DQ815603.1 gg_id:171781 mouse cecum clone aab43d12
EF097628.1 gg_id:177863 mouse cecum clone SWPT20_aaa01e05
FN185731.1 gg_id:578837 Lactobacillus sp. 1.1424
EU453153.1 gg_id:324998 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K80N
EU454019.1 gg_id:313356 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H75N
AM500777.1 gg_id:534519 proof spatial heterogeneity hot composting clone E12
FJ751792.1 gg_id:568482 Lactobacillus farciminis str. DSPV 353T
AB512778.1 gg_id:559510 Lactobacillus lindneri str. YIT 10387
EU505411.1 gg_id:271014 cecal contents Mus musculus strain C57BL/6J; myd4 clone myd4_aaa04a08
GQ131124.1 gg_id:436188 Lactobacillus casei str. IMAU70007; BM2302

AF316585.1	50977	2981.7	2216.2	1746.0	2092.8	2336.1	2260.1
AY253657.1	84126	614.9	645.3	1504.8	728.1	155.4	628.8
GQ156506.1	536680	3629.5	3794.2	3785.1	2610.4	3166.7	3517.6
EU453934.1	312564	1977.0	3449.8	1156.7	1052.0	1479.7	2107.4
EU460844.1	300935	129.6	137.8	164.5	171.2	362.6	485.7
NC_009513.1	232292	1575.6	5064.4	2428.6	1707.1	2126.4	2892.7
FM177140.1	338587	1274.1	1775.2	3376.0	1464.1	1975.8	2987.8
AM113783.1	140595	61.2	81.7	56.7	128.5	129.4	52.6
AB425933.1	576004	154.5	475.9	805.9	345.2	95.1	1676.0
AB330933.1	240133	2134.5	3426.7	2663.2	1504.4	2503.8	2900.5
FJ532361.1	585123	1091.5	1087.7	2782.8	1584.6	2112.8	2342.6
AJ272031.1	73879	2477.4	2061.7	2242.4	4199.9	2969.9	3871.7
GQ900597.1	590725	762.0	589.1	745.8	782.5	295.3	691.4
AJ417499.1	70957	4162.2	5950.8	5508.0	1978.3	1014.8	2051.0
AB018528.1	18684	2776.2	4247.2	3322.8	2702.7	3776.2	5742.5
EU457235.1	336661	3097.7	3545.4	2937.5	1764.7	4928.2	5054.8
EU453395.1	326168	8397.5	9812.5	8934.0	7960.2	9365.7	9349.9
GU177629.1	582937	1708.8	2460.0	2693.1	1283.4	4252.2	3408.3
EU776515.1	314385	15022.6	13501.3	8582.7	14614.0	13406.0	12501.7
EU460828.1	288584	301.8	574.3	2031.0	704.9	969.3	947.3
EF187245.1	348593	1702.3	1847.1	1473.9	658.4	1024.0	1029.2
EU504694.1	259726	1079.2	1819.1	2029.7	892.9	316.9	714.5
AF243163.1	43142	6246.2	5551.6	8819.8	5186.8	5946.0	7123.1
GQ030443.1	446566	6102.7	4326.0	3397.1	6248.4	6637.6	6466.3
GQ155448.1	591100	2236.7	3242.6	3771.2	1671.9	6334.3	7040.5
AB268119.1	192776	2493.2	2337.2	1457.6	1885.9	1630.4	1601.0
EU454159.1	323205	4117.7	5423.4	3256.4	4794.4	6955.9	6613.7
EU510722.1	265346	5579.3	8340.7	2252.5	3050.0	3427.1	2528.5
EU454340.1	323666	1082.3	1821.2	2094.7	891.7	348.6	770.7
EU505289.1	263903	5480.3	6238.9	3417.3	3556.5	7965.7	6498.9
EU460768.1	301085	285.8	761.2	1278.5	674.2	205.7	1293.5
DQ815603.1	171781	6017.2	6074.1	5000.3	9596.9	5645.8	6847.6
EF097628.1	177863	2604.6	4532.2	1420.5	1231.1	1184.1	951.4
FN185731.1	578837	389.6	472.7	1046.6	641.2	953.4	682.3
EU453153.1	324998	6291.8	7130.0	5882.9	8004.3	7362.3	8828.3
EU454019.1	313356	1171.8	1655.5	1304.1	1468.2	6128.0	4193.9
AM500777.1	534519	7648.0	8641.0	5744.0	6288.8	10889.6	8887.7
FJ751792.1	568482	6580.0	6421.9	5097.1	5678.2	6277.7	6820.3
AB512778.1	559510	1619.1	1788.3	1938.8	453.9	511.1	742.8
EU505411.1	271014	1722.0	2075.3	404.1	2852.1	2960.7	2667.6
GQ131124.1	436188	1855.7	3132.9	3593.0	1574.4	509.6	1335.9

k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli
k__Bacteria	k__Bacteria	p__Firmicutes	c__Bacilli

o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae
o__Lactobacillales	f__Lactobacillaceae

g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus
g__Lactobacillus

s__unclassified	72213
s__unclassified	72214
s__unclassified	72220
s__unclassified	72223
s__unclassified	72225
s__unclassified	72230
s__unclassified	72238
s__unclassified	72244
s__unclassified	72248
s__unclassified	72256
s__unclassified	72261
s__unclassified	72270
s__unclassified	72276
s__unclassified	72277
s__unclassified	72279
s__unclassified	72282
s__unclassified	72285
s__unclassified	72287
s__unclassified	72288
s__unclassified	72300
s__unclassified	72301
s__unclassified	72308
s__unclassified	72311
s__unclassified	72312
s__unclassified	72315
s__unclassified	72317
s__unclassified	72319
s__unclassified	72326
s__unclassified	72327
s__unclassified	72328
s__unclassified	72331
s__unclassified	72332
s__unclassified	72339
s__unclassified	72341
s__unclassified	72344
s__unclassified	72345
s__unclassified	72347
s__unclassified	72348
s__unclassified	72354
s__unclassified	72365
s__unclassified	72367

EU505126.1 gg_id:268866 cecal contents Mus musculus strain C57BL/6J; myd3 clone myd3_aaa03c02
EU453151.1 gg_id:332855 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K78S
AY212750.1 gg_id:100041 equine manure clone wet199
AB048833.1 gg_id:74053 Lactobacillus equi str. YIT 0455
DQ014569.1 gg_id:133995 mouse cecum clone M1_b08
EU776667.1 gg_id:351922 Lion feces clone LI2_aae47g12
EU728754.1 gg_id:340933 Lactobacillus reuteri str. DJF_RP45
FJ192637.1 gg_id:356529 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior
EF098373.1 gg_id:192635 mouse cecum clone SWPT15_aaa01g09
EF096254.1 gg_id:189201 mouse cecum clone obob1_aaa03e05
AM279150.1 gg_id:185189 Lactobacillus secaliphilus str. TMW 1.1309
EU457030.1 gg_id:353708 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H77S
Y11374.1 gg_id:15179 Lactobacillus kunkeei str. YH-15
EU454221.1 gg_id:326198 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H80N
AF197125.1 gg_id:15202 Lactobacillus sp. str. C33LV5
EU419599.1 gg_id:275265 Lactobacillus plantarum str. KLDS 1.0623
EU463024.1 gg_id:297096 southern three-banded armadillo feces clone arma_aaj56f06
AB284944.1 gg_id:177366 Lactobacillus sp. str. TS1
DQ015596.1 gg_id:130744 mouse cecum clone M3_a03_3
GQ202837.1 gg_id:551236 Lactobacillus plantarum str. C06
EF096361.1 gg_id:174939 mouse cecum clone obob2_aaa01f01
EU504983.1 gg_id:260003 cecal contents Mus musculus strain C57BL/6J; myd3 clone myd3_aaa01b10
AY281292.1 gg_id:105149 Lactobacillus curvatus str. KNUC04
X76330.1 gg_id:15190 Lactobacillus fructivorans str. DSM 20203 T
AAPZ02000002.1 gg_id:325109 Lactobacillus reuteri str. 100-23
AY735409.1 gg_id:108246 Lactobacillus plantarum str. LP2
EU507666.1 gg_id:270372 cecal contents Mus musculus strain C57BL/6J; MD23 clone MD23_aaa02g07
EU451014.1 gg_id:316980 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H77S
DQ239699.1 gg_id:144704 Lactobacillus plantarum str. L6
EU460890.1 gg_id:302821 short-beaked echidna feces clone ECH_aai40a07
EU455582.1 gg_id:335842 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K74N
GQ155531.1 gg_id:594070 Human gut microbiome adopts alternative state bowel transplantation ileum intesti
EU453262.1 gg_id:311179 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K75N
AB498046.1 gg_id:590362 Lactobacillus sp. str. F9-2
EF096134.1 gg_id:191524 mouse cecum clone obob1_aaa01b04
AJ417738.1 gg_id:56512 Lactobacillus letivazi str. JCL3994
EU453171.1 gg_id:337918 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K77S
NC_009513.1 gg_id:232290 Lactobacillus reuteri F275 str. DSM 20016
NR_028617.1 gg_id:577716 Lactobacillus algidus str. M 6 A9; JCM 10491
DQ015578.1 gg_id:133239 mouse cecum clone M3_g04_2
EU451147.1 gg_id:340145 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H75N

EU505126.1	268866	4732.5	4220.8	3752.5	5007.8	8593.2	5681.3
EU453151.1	332855	290.3	418.1	842.8	262.7	163.5	367.3
AY212750.1	100041	863.4	1082.2	1185.3	770.9	158.0	756.6
AB048833.1	74053	862.5	379.0	942.1	185.6	112.3	246.6
DQ014569.1	133995	1854.1	2268.6	1831.9	1952.4	253.3	533.6
EU776667.1	351922	2421.3	3077.6	2426.8	2657.0	2125.2	1217.9
EU728754.1	340933	979.2	1104.1	1152.6	886.8	238.7	749.3
FJ192637.1	356529	162.3	307.4	1226.7	429.1	103.4	465.1
EF098373.1	192635	7790.9	10997.2	5709.5	6729.3	9525.0	7140.3
EF096254.1	189201	6516.5	4331.8	4226.1	4712.4	4025.8	4893.5
AM279150.1	185189	602.6	1811.6	2379.5	987.7	1321.0	1964.6
EU457030.1	353708	1360.9	1079.4	636.1	1286.3	238.3	683.8
Y11374.1	15179	22.2	59.4	25.0	43.5	62.3	17.6
EU454221.1	326198	4952.9	4453.8	6232.6	7190.7	2135.4	3084.7
AF197125.1	15202	4863.3	4318.9	5729.5	3952.0	3400.6	6051.2
EU419599.1	275265	2889.7	3285.8	2261.5	4194.5	5411.7	4639.2
EU463024.1	297096	3155.0	8417.6	5128.8	4116.0	6755.3	4485.4
AB284944.1	177366	358.8	938.4	1825.6	1930.3	925.2	2647.3
DQ015596.1	130744	4511.1	3205.2	4658.2	6921.1	4608.8	4260.1
GQ202837.1	551236	1633.0	1130.7	1484.6	5601.2	274.1	967.0
EF096361.1	174939	6463.6	6328.2	2650.7	6051.7	5503.7	5959.1
EU504983.1	260003	7766.6	6870.1	2563.1	8230.8	4497.5	6255.4
AY281292.1	105149	380.3	735.5	1454.6	875.7	1685.7	1817.1
X76330.1	15190	2257.2	3047.8	1470.1	2885.5	373.4	1746.3
AAPZ02000002.1	325109	199.9	201.8	50.0	327.3	51.9	28.7
AY735409.1	108246	2954.5	3248.4	2612.8	4231.3	7237.7	5271.8
EU507666.1	270372	8913.7	9561.8	7112.6	10818.8	10346.8	9006.3
EU451014.1	316980	3905.4	6274.5	4851.0	1809.1	8829.3	5409.2
DQ239699.1	144704	1463.7	3357.3	3248.9	3853.7	2305.8	3695.8
EU460890.1	302821	3630.8	4225.5	4067.4	3183.0	3646.6	4261.2
EU455582.1	335842	8710.3	9210.8	8343.0	9098.4	8625.6	8105.1
GQ155531.1	594070	1424.3	4930.2	3507.6	1423.4	776.7	2285.6
EU453262.1	311179	3229.9	4031.5	2810.1	2391.5	3315.1	4083.1
AB498046.1	590362	76.0	112.9	67.2	74.2	89.2	48.7
EF096134.1	191524	20314.9	20699.9	12195.3	14994.6	19405.6	15992.2
AJ417738.1	56512	323.8	434.8	1357.8	1561.2	969.8	1418.2
EU453171.1	337918	4879.1	4914.4	2104.1	3572.9	4329.9	4966.5
NC_009513.1	232290	844.2	1173.6	1323.9	1267.7	1301.4	1359.7
NR_028617.1	577716	1440.1	1467.3	805.9	358.2	542.4	1318.6
DQ015578.1	133239	11892.9	12877.2	7119.6	10848.5	14561.9	13369.4
EU451147.1	340145	10399.9	15226.3	7702.7	8223.2	15250.7	14973.9