6391.3	10772.2	10395.5	11777.7	12309.4	10765.2	9950.7	9928.1	9378.8	5658.8	10981.0
3552.9	8272.9	8000.2	7975.7	6342.1	8609.6	5741.9	7637.7	10312.6	4874.7	8576.2
3274.5	10188.6	9698.9	11370.9	11336.0	10604.0	9334.0	10548.1	11119.4	11122.0	14792.1
354.0	7748.9	8449.8	9696.5	11519.5	8895.6	8318.9	9469.1	6824.5	4837.5	11502.2
34631.0	13438.0	12675.2	13404.0	12875.4	12302.6	11322.2	13581.2	13753.7	13584.7	19646.0
725.4	4933.8	5689.3	6773.7	6081.5	5377.7	4818.3	6264.4	5856.4	4149.5	6676.1
16937.7	12742.9	12134.9	13150.6	12760.7	11913.4	11117.7	13086.5	15095.4	13937.3	21023.7
919.8	6912.8	7068.0	7880.4	7705.6	7067.1	5634.4	7149.1	7617.2	4587.4	8181.9
717.5	7810.3	6418.4	5979.5	5069.6	6817.6	3718.8	5644.4	6755.9	4375.5	5522.4
14050.9	9417.2	9537.7	11773.5	10461.7	9658.5	9173.1	10412.4	10656.9	6883.4	12877.7
1667.2	8422.6	9115.0	8805.8	10843.3	10334.7	7690.3	8238.5	7132.4	9436.4	10050.0
3053.2	9790.2	10214.7	12296.4	12637.3	10183.2	11263.2	11935.0	11333.3	8431.0	15474.6
1467.3	6187.8	6498.3	5999.5	7751.2	6718.8	3494.9	6957.1	3720.5	3514.3	6119.9
9052.3	11676.5	10223.6	10196.8	10808.6	10645.1	8410.3	11430.8	11767.4	11119.6	19635.2
1793.7	10512.0	8355.4	8598.4	9128.1	9659.1	6954.5	8391.8	8915.6	6421.9	14993.3
18651.2	12820.7	11320.2	11620.0	12414.2	11657.3	11611.0	12215.8	13541.8	13936.6	19011.3
8961.0	8465.8	8476.5	7494.3	7750.0	7971.9	5600.3	7492.6	7677.8	5148.0	9352.1
5170.1	9034.9	9700.0	10452.1	10582.2	9416.9	9263.4	9059.1	10625.4	9875.8	15291.7
10464.6	11905.9	10286.6	10289.0	10842.3	10602.5	8492.0	11416.5	12159.6	10048.5	19570.8
14603.1	12559.1	10487.3	8859.7	9021.6	10764.8	8731.2	9662.2	12045.3	7445.0	16383.4
13068.8	8529.2	8275.1	9046.3	9231.1	7885.1	8081.6	8062.1	8977.0	6871.6	11825.4
6799.8	11853.7	9494.7	8565.4	8656.7	9937.2	6538.3	9727.8	10327.9	7735.3	19719.5
5963.4	11419.7	9055.6	7889.0	7486.8	9491.9	5395.9	8934.3	8833.3	6757.9	18112.3
1371.0	12169.0	9389.8	11073.6	11573.1	8596.7	6968.6	10640.4	8900.6	5418.8	14777.2
15054.6	14762.1	12549.0	9780.8	9350.9	11263.4	7253.6	10355.1	12340.0	6774.5	14908.1
7735.0	9808.4	8980.3	9707.7	10350.5	9033.6	7220.9	8628.8	7962.4	5438.7	10511.7
5977.8	12537.4	11275.7	11121.4	12228.4	11710.8	9523.2	12459.9	12872.1	12982.2	21633.2
10943.4	8530.3	8269.2	9866.0	9100.6	9748.9	9038.5	9221.2	12081.8	10357.9	10966.7
356.0	7407.5	6985.3	8440.9	8593.4	7530.1	6045.1	8510.1	7251.0	8225.2	11105.9
9866.6	13155.9	11898.7	12121.6	11915.4	12018.2	10411.4	11709.5	13586.0	10942.3	19578.5
1113.6	6150.5	6514.9	7492.0	8234.5	6515.4	5835.7	6790.8	5406.8	4754.3	7057.0
9873.0	10127.5	8483.9	6855.7	7448.9	8804.8	6948.2	7522.7	9090.3	4889.3	13534.4
9853.7	11606.4	11012.9	12294.8	12216.9	11144.2	10150.0	12459.1	13516.9	13670.4	19997.9
2443.3	4731.3	4754.3	5748.6	5694.6	4757.3	3978.9	5359.7	4810.6	4559.2	6020.2
7791.9	9591.7	7660.7	7732.1	8189.9	8283.8	6634.7	8023.2	7905.9	5951.2	11907.0
1739.4	7083.5	7039.7	7536.1	7247.4	6681.0	4487.2	6830.9	5740.7	4299.2	6207.6
2709.3	7302.6	8520.1	10544.2	9774.5	7728.6	8542.7	8880.4	7713.7	7759.8	10739.2
6593.6	6983.5	7063.6	7292.9	7372.3	7104.0	6748.7	7585.4	7414.7	6908.8	9702.5
9327.7	6432.8	6189.9	6009.6	7088.9	6682.1	8321.3	6883.6	6107.6	4450.7	6951.2
7972.7	4933.6	5064.0	5202.0	6309.3	5252.7	4386.0	6056.4	4310.3	10031.1	8661.6
8391.2	5537.5	5469.7	6611.4	5588.4	4916.3	5393.7	4980.3	4939.0	3805.0	5267.4

11165.3	9908.2	5429.4
6358.2	7251.3	4051.3
11977.7	9469.8	6131.7
10041.3	8566.4	5648.3
13242.6	11967.5	7267.2
6063.1	6204.6	2989.2
12507.6	12372.7	8403.4
7458.5	7215.5	3871.3
5307.9	6223.0	3487.6
10421.2	10042.9	5595.8
8293.5	7262.5	5901.3
11508.6	11573.6	7153.3
6637.9	5988.0	2627.3
9623.9	10339.3	6550.1
8656.0	7921.1	5735.7
11087.4	11868.4	9496.4
6532.2	8422.7	4136.6
10531.6	9833.9	6928.5
9580.5	10296.0	6161.0
8167.8	8855.6	5746.6
8673.2	8211.4	5921.2
7910.7	8443.1	4752.8
7168.5	6746.3	3975.5
9151.9	9003.5	5126.0
10107.0	10084.5	5273.0
8767.3	8730.4	4590.1
11058.8	11008.0	7533.1
10492.5	8654.1	5951.3
8776.6	8003.6	4712.2
11248.9	11359.8	7473.6
7744.3	7010.1	3648.5
5821.0	6716.4	4787.9
11306.4	11814.8	8018.7
5773.8	5086.9	3070.4
6991.0	8554.6	5055.2
6430.5	7485.3	2915.6
9254.9	8613.4	5947.3
7993.0	6841.0	4668.3
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6499.4	4467.1	2257.5
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s__Aquamonas fontana	10274
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FJ658799.1 gg_id:510766 Metalworking Fluids and Aerosols Metallurgy Plant metalworking aerosol clone Sumn FJ6587
FJ658952.1 gg_id:553262 Metalworking Fluids and Aerosols Metallurgy Plant metalworking aerosol clone Sumn FJ6589
FJ658390.1 gg_id:544123 Metalworking Fluids and Aerosols Metallurgy Plant metalworking aerosol clone Winte FJ6583
AB120964.1 gg_id:99037 Aquamonas fontana str. AQ10 AB120
DQ640723.1 gg_id:227889 full-scale EBPR sludge clone Skagen135 DQ640
AF526926.2 gg_id:62982 Mars Odyssey Orbiter and encapsulation facility clone T5-4 sp. AF5269
AY133071.1 gg_id:56377 TCE-contaminated site clone ccs221 AY1330
DQ521541.1 gg_id:193826 Antarctic lake ice cover clone ANTLV7_G03 DQ521
AY662013.1 gg_id:137452 uranium-contaminated groundwater clone 015C-G04 AY6620
AF526920.2 gg_id:62991 Mars Odyssey Orbiter and encapsulation facility clone T8-7 sp. AF5269
EU150266.1 gg_id:279514 acidobacteria and soil Niwot Ridge LTER clone Ni_F8P2 EU150
NR_028713.1 gg_id:585432 Curvibacter delicatus str. 146; LMG 4328 NR_02
D14320.1 gg_id:6938 Brachymonas denitrificans str. -P1 D14320
EU434344.1 gg_id:271636 Brachymonas denitrificans str. a265 EU4343
EU434398.1 gg_id:265311 Brachymonas denitrificans str. a310 EU4343
AB286490.1 gg_id:208338 Reducing production and domination comamonadaceae reducing oxygen supply was AB2864
AJ318129.1 gg_id:21007 Waste-gas biofilter clone BIfdi44 AJ3181
AM420229.1 gg_id:239064 Noma subgingival plaque clone 601H06(oral) AM420
FJ982927.1 gg_id:460813 Comamonas sp. str. ST18 FJ9829
AB164432.1 gg_id:103333 Comamonas badia str. IAM 14839 AB1644
AJ576357.1 gg_id:107318 hindgut homogenate Pachnoda ephippiata larva clone PeH41 AJ5763
AF234720.1 gg_id:73090 sludge clone A6b AF2347
EU346912.1 gg_id:265983 Brachymonas sp. str. AImA4 EU3469
AB286456.1 gg_id:216049 Reducing production and domination comamonadaceae reducing oxygen supply was AB2864
FJ959768.1 gg_id:584835 bottlenose dolphin upper respiratory tract blowhole clone D8A8_102 FJ9597
AB286474.1 gg_id:214136 Reducing production and domination comamonadaceae reducing oxygen supply was AB2864
EU881354.1 gg_id:306436 (maize-sweet cropping field) Karst region maize-sweet potato cropland soil clone KM EU8813
AB286506.1 gg_id:211133 Reducing production and domination comamonadaceae reducing oxygen supply was AB2865
GQ010546.1 gg_id:499118 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ010
GQ110427.1 gg_id:447775 Topographical and Temporal Human Skin Microbiome skin back clone nbw659e10c1 GQ110
AM283038.1 gg_id:159681 Caldimonas sp. str. Han85 AM283
EU024140.1 gg_id:247295 Comamonas aquatica str. CIP 107986 EU0241
EU464974.1 gg_id:295063 African elephant feces clone AFYEL_aaj66a08 EU4649
DQ854969.1 gg_id:161904 Comamonas sp. str. GPTSA5 DQ854
EU464791.1 gg_id:289604 Hartmann's mountain zebra feces clone AFZEB_aaj70h03 EU4647
AF408327.1 gg_id:36914 Comamonas sp. clone KL-11-1-9 AF4083
EU841519.1 gg_id:337127 Comamonas aquatica str. 406 EU8415
DQ824524.1 gg_id:188323 human fecal clone RL185_aaj69c02 DQ824
AJ430344.1 gg_id:73664 Comamonas aquatica str. LMG 2370 AJ4303
AF233878.1 gg_id:40166 Comamonas denitrificans str. 2.99g AF2338
AF233879.1 gg_id:74723 Comamonas denitrificans str. 5.38g AF2338

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15514.3	5165.0	5397.8	5741.7	4328.6	4916.8	3662.8	5607.5	6454.0	5170.6	9428.6
4180.3	4496.2	4913.7	6297.3	5683.1	4547.7	6325.0	5353.1	5103.0	4568.7	7238.4
8944.2	11838.0	9162.3	11195.5	11203.8	9064.6	7706.2	10384.8	8434.7	4027.1	12860.5
10601.9	8082.8	8906.1	10823.8	9605.4	7944.6	10621.9	8620.6	9525.0	3632.8	12352.4
23825.1	9893.1	9028.1	9899.9	9306.8	9698.0	8384.0	8739.5	10439.8	6251.1	10691.5
6215.3	11539.8	11013.3	10975.0	9324.0	10792.9	6463.1	10070.9	12609.4	4022.5	15474.0
5365.9	10207.3	8224.7	10158.4	9200.0	8670.4	9338.5	11385.1	9134.6	2640.2	14796.8
9261.6	9567.8	9979.7	10937.2	9120.9	10121.0	8213.2	9259.8	11150.6	5324.3	12687.0
7360.9	5733.9	4349.2	4944.6	4138.6	4385.1	3429.7	4811.0	6644.9	4712.9	7620.9
5186.4	11158.5	9239.4	11183.8	10337.0	9572.2	8882.3	11305.8	10167.5	4952.2	14413.2
3829.8	12119.1	8662.0	8810.3	7737.0	11371.1	5457.5	9103.4	11796.7	3975.2	10920.0
18216.8	10652.5	10255.8	11962.7	11044.3	9408.8	10923.8	10247.5	12144.9	9834.8	15031.3
10353.9	7315.6	6802.3	7420.6	7433.0	7817.1	7272.6	7468.5	9114.2	5818.8	11971.2
5065.7	5921.0	6006.0	5705.0	5933.3	6591.2	5468.5	6321.4	5181.4	2372.7	9318.2
5799.2	6376.6	6374.7	7153.3	8976.4	9558.4	7709.6	8628.8	7815.0	3659.2	14455.6
9414.5	9520.3	9452.8	9643.6	9200.7	8899.1	7222.0	9151.0	8096.2	7737.9	13659.3
8304.5	8623.3	7687.4	7971.1	9286.7	8441.7	7786.0	7615.0	8732.8	8079.1	8887.2
6580.2	7878.5	7201.8	8316.6	9573.2	8251.3	9211.4	7512.8	5038.3	5890.8	10669.2
7136.1	2970.8	3676.9	3126.8	3220.3	3884.5	2960.1	3726.7	2420.0	5398.1	3307.8
421.8	2129.0	1678.7	938.2	2268.5	2404.9	507.0	1795.0	807.6	3870.1	3560.4
1774.5	5655.9	5168.5	6873.9	7230.3	6330.1	6172.5	6857.5	6335.3	3673.9	9309.8
6250.0	4870.1	4529.8	3738.5	6517.2	5335.0	4803.6	4501.3	5277.3	6682.2	5101.7
18270.5	10154.6	9182.2	10159.5	11493.8	11531.1	11905.3	10508.7	14188.9	9231.4	18796.7
4728.8	6031.7	5596.5	6188.7	5870.1	5818.2	6783.4	5929.9	5614.7	3064.4	7011.8
7365.9	7024.4	7066.6	7775.2	9731.9	9342.0	9685.2	8509.7	9103.1	5352.7	14487.1
3520.8	8148.5	8011.9	6685.1	9095.0	7678.1	6776.8	6502.1	8514.7	8474.1	14367.8
6071.3	6038.4	6111.3	6641.3	8632.8	9883.8	7599.7	8212.3	7352.0	4628.9	14909.8
1591.0	5910.0	6346.1	6250.8	7052.5	6053.1	7076.1	5064.1	5035.4	3905.8	9152.4
8788.5	7987.1	9479.0	10759.7	11274.4	9543.4	12881.5	10234.2	7578.4	7946.1	12791.9
6978.8	7449.3	6623.0	5148.1	6739.3	7112.8	6293.7	5664.8	4916.5	2428.6	4578.0
16106.1	14473.2	11773.1	12417.2	14050.3	12783.3	13545.4	11142.1	15740.5	13718.3	17413.1
6159.5	7391.2	5140.3	5312.5	6779.9	6444.8	5428.9	5058.2	5923.8	7571.7	7367.7
8874.0	7438.9	7010.9	7716.8	11904.9	10010.2	5854.8	7249.0	6583.1	17637.4	10698.0
17921.3	12754.8	11471.7	12406.5	13505.1	13375.1	11123.3	12006.8	16274.8	14898.3	18224.7
4266.0	10335.6	7200.5	7954.6	11185.9	10531.4	6465.9	7761.5	8241.7	16279.8	15286.2
4080.2	9919.5	7467.1	7529.1	10860.1	10510.2	5899.4	6879.9	7970.5	15768.9	14218.5
14156.9	13455.8	12238.7	13771.0	13884.3	14014.2	11893.4	12779.2	18572.6	16554.3	18669.4
20398.6	11771.7	10757.2	10725.7	11949.1	11369.0	11271.8	9751.8	15128.0	13364.6	15963.1
2883.4	5647.7	6476.3	6363.0	6238.5	6324.7	5524.1	5946.5	5533.3	7795.1	8547.8
4343.0	6267.2	6221.5	6165.9	5698.1	6069.0	5453.7	5868.2	5905.8	6081.5	8605.2

9412.0	9968.4	7898.4
4857.3	4867.8	3251.2
5859.4	5888.5	4295.0
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8842.8	8559.1	5697.7
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8129.6	7897.1	5329.9
8185.3	8471.7	5315.2
3528.5	5810.7	2906.5
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7546.8	7464.6	3648.7
10226.0	10147.1	8477.4
6795.4	7781.0	4861.2
4999.8	5803.6	3869.8
5663.2	7383.5	4016.5
8991.6	7704.8	4040.5
7772.4	8953.9	5930.1
7914.1	6640.7	6045.0
2939.7	3159.0	1463.2
903.3	1287.5	518.0
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9314.6	10697.1	7591.7
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6506.1	8174.5	6823.6
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11191.2	10655.8	8291.6
7357.6	7252.6	4809.1
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AJ430348.1 gg_id:66684 Comamonas kerstersii str. LMG 5323	AJ4303
AB021418.1 gg_id:6936 Comamonas terrigena str. IAM 12052T	AB0214
AJ430343.1 gg_id:66690 Comamonas terrigena str. LMG 1249	AJ4303
AJ420326.1 gg_id:17652 Comamonas terrigena str. DSM 7099	AJ4203
EU024142.1 gg_id:240089 Comamonas terrigena str. LMG 5520	EU0241
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NR_028719.1 gg_id:545968 Comamonas terrigena str. IMI 359870; ATCC 8461	NR_028
EU337122.1 gg_id:545663 Comamonas denitrificans str. 2B7	EU3371
GU454930.1 gg_id:524752 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir	GU454
DQ824755.1 gg_id:189547 human fecal clone RL185_aaj72g08	DQ824
EU465136.1 gg_id:290700 African elephant feces clone AFYEL_aaj68e11	EU4651
FJ658617.1 gg_id:509630 Metalworking Fluids and Aerosols Metallurgy Plant metalworking aerosol clone Sumn	FJ6586
EU464722.1 gg_id:300641 Hartmann's mountain zebra feces clone AFZEB_aaj69f11	EU4647
AY566581.1 gg_id:108740 Comamonas sp. str. PG-08	AY5665
GQ179675.1 gg_id:465713 Heterogeneity vaginal microbial within individuals vagina clone VE3A04	GQ179
EU465091.1 gg_id:291187 African elephant feces clone AFYEL_aaj67h12	EU4650
EU465027.1 gg_id:296452 African elephant feces clone AFYEL_aaj66h05	EU4650
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EU465029.1 gg_id:292604 African elephant feces clone AFYEL_aaj66h08	EU4650
EU465048.1 gg_id:302343 African elephant feces clone AFYEL_aaj67c02	EU4650
EU465099.1 gg_id:302440 African elephant feces clone AFYEL_aaj68a11	EU4650
AY635871.1 gg_id:99471 Comamonas sp. str. BM-9_6	AY6358
EU464843.1 gg_id:295086 Hartmann's mountain zebra feces clone AFZEB_aaj71g07	EU4648
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EU771834.1 gg_id:310863 African elephant feces clone AFYEL_aaj65h12	EU7718
AB076865.1 gg_id:42211 anaerobic sludge clone OS1L-7	AB0768
EU771819.1 gg_id:310322 African elephant feces clone AFYEL_aaj68f04	EU7718
EU464881.1 gg_id:301051 Hartmann's mountain zebra feces clone AFZEB_aaj72d04	EU4648
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AY856846.1 gg_id:111198 Comamonas sp. str. 46	AY8568
EU464826.1 gg_id:287428 Hartmann's mountain zebra feces clone AFZEB_aaj71e07	EU4648
GQ389171.1 gg_id:571114 quality deterioration drinking system during serious red water outbreak clone D40	GQ389
EU771661.1 gg_id:334294 African elephant feces clone AFEL_aai29g11	EU7716
EU464941.1 gg_id:302302 African elephant feces clone AFYEL_aaj65e07	EU4649
EU465157.1 gg_id:292068 African elephant feces clone AFYEL_aaj68h04	EU4651
EU465046.1 gg_id:299793 African elephant feces clone AFYEL_aaj67b12	EU4650
EU464997.1 gg_id:294410 African elephant feces clone AFYEL_aaj66d12	EU4649
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DQ453128.1 gg_id:156701 Comamonas sp. str. Dant 3-8	DQ453

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17678.0	14047.8	13122.8	13794.8	13808.5	13361.9	12530.6	14327.3	17171.6	15209.1	22170.6
5180.1	7065.1	7143.6	7514.6	10141.9	8797.3	6150.7	8284.7	8740.3	17449.1	12388.1
7747.5	8037.1	8075.0	9014.1	11137.9	9231.5	7647.4	9414.3	9027.7	17156.4	13983.4
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11484.1	10849.3	10715.5	12427.3	13813.2	12556.1	9818.6	11860.7	14427.6	19017.7	17622.5
15136.4	10884.8	10429.6	11644.0	12065.7	11945.3	8984.6	10997.7	13118.6	16723.5	18124.5
4841.3	5107.1	5748.5	5029.0	6762.8	5469.6	6467.7	4604.4	5389.9	7112.5	6308.1
3281.0	5620.3	6041.4	5695.5	6227.4	6140.8	5363.4	5315.4	5487.0	7086.9	7616.9
21502.2	11008.2	11106.1	10836.4	12101.9	12023.6	10637.2	10208.6	13645.7	16040.7	16685.8
11905.1	5342.9	4556.0	5368.8	7347.3	6661.3	4755.2	4829.4	4679.9	7019.7	6266.2
8058.9	12461.2	8772.0	9198.2	11741.0	10893.8	8181.9	8652.3	10169.7	14748.8	13047.1
26295.0	12894.2	10942.6	11168.0	11298.4	10767.6	11052.2	9439.2	13261.9	8878.8	13085.3
29473.9	10718.8	9432.5	10112.5	10151.4	10212.4	10012.5	8839.2	12746.8	9702.4	15395.5
4766.3	4765.7	4485.5	3662.6	4072.4	4670.8	2356.2	4962.2	4065.5	5553.7	5976.8
6178.0	9444.3	9308.0	10478.7	11712.3	10667.0	8499.4	9588.7	12965.5	14858.3	14219.2
3344.2	7748.8	6698.3	7214.4	10803.5	8668.4	5291.5	6992.2	7101.2	12867.0	10685.0
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4110.2	8530.9	7841.5	8537.9	10063.4	10300.9	6672.2	7796.1	11304.2	13540.4	10330.5
14217.4	6831.0	6167.0	7156.1	8819.0	8248.2	6316.1	6575.5	6215.5	11760.1	9913.4
3779.9	4186.0	4666.9	5013.9	5733.2	4612.7	4359.9	4864.3	3698.5	8376.3	7764.3
853.0	3927.9	4664.9	4477.3	4749.9	4567.3	3754.0	4474.1	3494.0	5561.9	6501.3
11607.1	12690.2	10307.0	10815.1	13258.1	12030.4	10881.2	10711.3	11906.5	15849.8	18454.9
28314.5	8932.1	8268.9	9292.4	10224.6	9779.1	8253.0	8339.3	12398.1	13540.9	12221.5
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11107.3	8293.3	8535.0	8975.1	8623.0	8744.0	7921.5	8780.6	8876.1	9481.8	10816.2
1815.0	5106.9	4969.9	5495.6	5949.1	5622.7	4967.2	4476.2	4505.2	5953.3	8225.6
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2849.4	4169.3	4860.8	4410.4	6082.3	4874.9	4722.8	5740.3	3104.1	7917.0	8883.8
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11036.5	7398.7	7658.4	8183.7	9787.1	9928.5	8420.1	7728.5	8181.8	11745.2	11404.8
2137.4	4902.2	5072.1	5036.5	6902.6	5604.6	3857.9	7208.4	4506.3	10710.8	11635.4
28663.6	8445.4	7099.5	8246.6	9352.9	8539.6	8510.0	8305.4	9898.0	12211.4	12832.3
14599.4	9203.1	7335.9	7277.7	6855.2	7403.6	5269.4	7515.9	6734.3	6715.8	10087.6

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8000.5	6867.9	4396.4
8920.0	8277.9	5739.9
7838.7	7290.0	4832.9
12849.2	10872.6	8484.4
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10521.3	9989.8	7560.7
4664.0	5348.5	6110.4
8449.1	8107.0	6429.5
9660.8	8723.6	7433.4
9257.1	10956.5	8791.7
3977.8	3974.3	1959.4
9124.7	8087.1	7503.5
7332.7	6187.5	4836.4
7805.4	8543.4	6447.8
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5842.5	4769.4	5018.9
10402.5	7605.1	6997.1
10468.8	9882.2	8256.8
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EU464943.1 gg_id:299547 African elephant feces clone AFYEL_aaj65e11 EU4649
EF114434.1 gg_id:534604 strains recovered during surveys Burkholderia pseudomallei northern Australia rod EF1144
EF565937.1 gg_id:228582 Comamonas sp. str. NF27 EF5659
EU465126.1 gg_id:287764 African elephant feces clone AFYEL_aaj68d09 EU4651
AF501880.1 gg_id:71872 Comamonas testosteroni str. SMCC B0589 AF5018
EU467917.1 gg_id:289291 cheetah feces clone CE2_a08 EU4679
GU454975.1 gg_id:515113 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU454
EU468077.1 gg_id:291421 cheetah feces clone CE2_d08_3 EU4680
EU464621.1 gg_id:289827 African elephant feces clone AFEL_aai32a05 EU4646
AY291591.1 gg_id:87769 Comamonas testosteroni str. CNB1 AY2915
AY134850.1 gg_id:58604 Comamonas sp. str. SFCD1 AY1348
EU464754.1 gg_id:291460 Hartmann's mountain zebra feces clone AFZEB_aaj70c03 EU4647
EU468035.1 gg_id:297644 cheetah feces clone CE2_f06_1 EU4680
EU464969.1 gg_id:298206 African elephant feces clone AFYEL_aaj66a02 EU4649
EU464920.1 gg_id:299963 African elephant feces clone AFYEL_aaj65b11 EU4649
AY819705.1 gg_id:109404 Comamonas sp. str. JS46 AY8197
AJ606336.1 gg_id:101448 Comamonas testosteroni SB4 AJ6063
EU464815.1 gg_id:287989 Hartmann's mountain zebra feces clone AFZEB_aaj71c10 EU4648
EU465125.1 gg_id:298220 African elephant feces clone AFYEL_aaj68d08 EU4651
EU464514.1 gg_id:302159 African elephant feces clone AFEL_aai30d10 EU4645
EU779419.1 gg_id:343489 Hartmann's Mountain Zebra feces clone AFZEB_aaj72d07 EU7794
EU464929.1 gg_id:294023 African elephant feces clone AFYEL_aaj65c11 EU4649
EF515707.1 gg_id:225977 Electricigen Enrichment MFC full-scale anaerobic bioreactor sludge treating brewery EF5157
GQ008024.1 gg_id:501642 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
EU464698.1 gg_id:298530 Hartmann's mountain zebra feces clone AFZEB_aaj69d04 EU4646
EU464986.1 gg_id:294420 African elephant feces clone AFYEL_aaj66c06 EU4649
EU537205.1 gg_id:281659 profile human microbiota antecubital fossa (inner elbow) skin clone nbt68d07 EU5372
FJ893904.1 gg_id:540808 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota B1E; ear pu FJ8939
AF532869.1 gg_id:91652 Comamonas sp. str. D1 AF5328
EU464891.1 gg_id:300806 Hartmann's mountain zebra feces clone AFZEB_aaj72f06 EU4648
EU464935.1 gg_id:293225 African elephant feces clone AFYEL_aaj65d12 EU4649
EU464774.1 gg_id:288302 Hartmann's mountain zebra feces clone AFZEB_aaj70e07 EU4647
EU465010.1 gg_id:298312 African elephant feces clone AFYEL_aaj66f07 EU4650
EU464915.1 gg_id:291947 African elephant feces clone AFYEL_aaj65a11 EU4649
AJ251577.1 gg_id:38824 Comamonas nitrativorans str. 23310 AJ2515
AF233876.1 gg_id:18248 Comamonas denitrificans str. 110 AF2338
EU465109.1 gg_id:287376 African elephant feces clone AFYEL_aaj68b09 EU4651
EU465146.1 gg_id:297240 African elephant feces clone AFYEL_aaj68g02 EU4651
EU536192.1 gg_id:282831 profile human microbiota antecubital fossa (inner elbow) skin clone nbt12g10 EU5361
AB109889.1 gg_id:106408 Curvibacter gracilis str. 7-1 AB1098
DQ001153.1 gg_id:118400 Rhodobacter sphaeroides str. Il106 DQ001

13736.8	10215.2	10443.8	10243.7	11583.6	10164.3	12313.2	9206.3	10449.2	13042.6	15302.7
11284.9	5863.5	4732.9	4493.9	5937.6	4785.8	4507.4	5080.6	3843.6	6816.9	8578.8
24458.5	10958.0	10164.0	11620.0	9737.0	10308.9	9350.2	10151.9	12268.7	9617.5	15987.0
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452.1	6786.7	4751.4	3142.5	3904.3	7829.3	1390.2	5389.7	7712.2	5610.2	6218.8
5501.4	6972.7	5848.1	6301.5	5574.8	5377.3	4933.0	5769.9	4640.9	7135.6	8566.8
15352.8	8710.3	8646.2	7844.9	7654.6	8142.4	7713.7	7029.8	10368.6	6377.5	9609.1
17328.7	10238.1	9179.9	10493.7	8619.1	11006.1	9958.7	8446.8	13254.2	13671.6	12100.0
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21419.4	9921.2	9490.9	7462.5	9378.1	9266.9	6710.8	8392.6	12031.2	14279.3	16625.2
7108.4	10615.5	9770.9	9664.7	10634.6	9245.1	10040.4	8757.8	11124.0	10424.4	12044.3
10472.3	10186.5	10337.7	11341.4	9880.3	9432.1	10590.0	9666.9	13684.9	11209.2	15656.0
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5638.3	11414.7	8910.1	10039.5	12406.1	10290.5	9977.7	9069.5	10013.5	11185.8	10712.7
7711.2	12463.5	8921.2	9785.2	12916.3	11260.5	8475.0	8853.7	10141.0	16848.0	12116.7
11703.2	11129.1	10772.6	8463.2	9389.0	10372.9	7384.2	9763.1	12587.5	13171.6	19707.0
4285.2	9533.9	10188.2	5122.9	7995.2	9674.9	3489.4	8539.3	10065.7	13229.7	21773.5
34478.0	13758.3	12736.0	13911.2	14486.5	14139.9	12969.8	13056.0	17755.1	17997.3	18234.5
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9819.4	12222.2	8248.3	9157.5	11398.7	10765.8	7836.5	8196.7	10871.1	15283.7	11963.9
33898.0	12107.7	11430.3	11982.5	13093.0	12693.7	11233.1	10535.2	16421.1	19752.2	16430.7
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850.1	3771.8	4953.4	5047.2	5018.6	4532.5	4256.4	4741.9	3166.6	6796.7	5680.0
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2556.4	6793.5	6563.1	6415.7	7270.3	6753.0	5666.8	6566.4	6464.1	8822.7	9898.0
21148.5	6649.8	6275.5	6808.4	6380.1	6153.0	5879.3	7195.9	7781.4	8353.8	11136.6
2521.0	5540.2	5387.7	5681.2	7349.8	6265.7	5271.0	5697.7	5540.6	12426.3	6746.6
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3412.8	8503.5	10883.2	10421.0	10484.6	9784.6	10929.2	9145.8	10042.2	8348.2	17841.5
12184.2	7238.0	8437.7	8184.2	10187.6	9181.9	7451.1	7742.2	6289.1	14031.2	11159.6
17058.8	9581.1	8313.9	9199.9	8766.6	9039.1	8625.4	8557.7	10585.7	9543.3	14671.9
10974.6	9728.5	9440.3	10521.7	11981.1	10238.2	9204.0	10672.3	11392.0	17596.8	14612.8
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13296.0	9124.6	9030.8	10073.6	10814.0	9809.9	9922.8	9214.2	10740.4	12085.8	13066.1

9839.5	8445.8	7609.1
5112.0	4243.6	3365.9
9670.0	10180.2	8202.6
5680.7	7965.5	5005.2
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5127.6	5854.9	3594.9
6989.7	7917.4	5920.2
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6049.7	6981.5	7053.3	7615.0	7626.1	7571.8	5735.3	6751.1	8217.1	9166.9	12718.7
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36923.2	13228.3	12769.0	14371.6	14172.8	13167.7	13180.4	11961.3	17414.7	13820.1	19584.6
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14794.9	8194.1	7848.9	8606.5	9238.2	8537.6	6572.9	9015.5	8405.6	9841.6	13923.0
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16831.8	7737.1	7828.0	7501.5	6870.3	7161.3	5871.4	7109.7	8522.7	7154.7	11697.9
15500.0	10839.8	10202.1	10652.6	10067.2	9907.4	8363.0	10474.0	11347.5	11127.5	15468.0
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GQ025095.1 gg_id:458512 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1 GQ025
GQ047628.1 gg_id:402107 Topographical and Temporal Human Skin Microbiome skin palm clone nbw137a06c1 GQ047
GQ088002.1 gg_id:432420 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ088
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GQ021570.1 gg_id:488097 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27 GQ021
GQ002346.1 gg_id:507316 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu176d01 GQ002
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GQ094473.1 gg_id:453678 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ094
GQ033109.1 gg_id:464483 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ033
GQ075532.1 gg_id:436249 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ075
GQ070548.1 gg_id:439936 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ070
GQ098172.1 gg_id:439954 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw40 GQ098
GQ115938.1 gg_id:419686 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ115
GQ105813.1 gg_id:427023 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ024900.1 gg_id:484770 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ024
GQ103564.1 gg_id:407920 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ103
GQ105405.1 gg_id:429340 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ023025.1 gg_id:486644 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ023
GQ087317.1 gg_id:377148 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw GQ087
GQ114690.1 gg_id:433518 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl GQ114
GQ074928.1 gg_id:425513 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ074
GQ096026.1 gg_id:434741 Topographical and Temporal Human Skin Microbiome skin back clone nbw385e12c1 GQ096
GQ104930.1 gg_id:395137 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ104
GQ062384.1 gg_id:444810 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ062
GQ062335.1 gg_id:375499 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ062
GQ105194.1 gg_id:435980 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ105
GQ022218.1 gg_id:487452 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
GQ108357.1 gg_id:375281 Topographical and Temporal Human Skin Microbiome skin palm clone nbw605f07c1 GQ108
GQ104390.1 gg_id:447384 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ104
GQ102448.1 gg_id:404698 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
GQ113671.1 gg_id:452044 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ113
GQ103545.1 gg_id:442474 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ103

18099.1	8782.7	8779.2	9010.8	8218.6	8459.6	8292.6	7972.4	10890.5	7952.5	13647.5
11942.3	8325.1	7651.3	8083.2	9034.5	8264.4	7090.6	8235.5	8168.3	9631.3	11595.7
10148.3	11454.8	10140.1	8047.0	6898.3	10307.2	5330.4	8713.7	12985.0	8142.4	13682.4
23921.8	13532.9	11868.5	12923.1	13141.8	12396.4	11728.7	12035.4	16455.2	15155.5	18463.4
38717.2	12762.7	10643.5	11285.3	11464.1	11124.9	10796.2	11315.5	14361.0	13289.4	18130.7
43673.0	12066.8	10729.5	11221.6	11367.7	10883.5	11094.1	11249.2	14196.1	12558.4	18709.1
17120.3	9156.4	7990.6	9384.6	9364.7	8725.1	7835.9	8330.2	11165.6	10695.5	13844.0
9495.9	10333.0	9400.6	10457.7	10025.1	9956.5	8492.7	9531.8	10824.6	10302.5	15671.0
11756.4	8105.6	7397.2	8270.2	9112.2	8478.1	6244.1	8438.9	7666.0	8685.6	12188.1
14488.2	8523.8	8187.6	8995.8	9107.8	8747.8	6951.5	9623.3	8663.8	9545.5	13066.9
17015.8	8718.3	7663.1	8655.4	9903.8	8835.0	7019.8	8957.6	9029.0	9828.4	12587.7
3860.2	6472.6	5792.4	6863.1	7645.0	7208.4	5344.4	6983.5	5972.7	6085.8	9463.5
41988.0	12904.4	11505.6	12983.5	11941.2	11471.3	12447.2	12007.2	17688.2	14868.2	20072.8
23066.9	11713.1	11091.3	11399.8	11644.2	11227.4	10755.9	11164.8	13679.4	10035.4	17536.7
46396.6	13975.3	12767.9	13614.0	12754.6	12107.1	13220.7	12908.5	18836.6	15833.1	20926.9
16248.4	9714.1	9400.8	9664.1	10629.8	9929.5	7801.9	10843.9	10248.4	11198.0	16732.6
13063.4	11370.1	10404.3	10999.4	11045.5	10371.6	8832.2	11303.7	11535.6	11266.4	16603.8
23835.7	9413.3	10640.4	13352.8	10530.0	9227.2	10654.0	11856.5	11670.0	8200.4	18616.6
8286.5	11385.5	10580.0	11671.1	11686.4	11139.9	9116.7	11273.8	12015.8	12604.6	15748.0
8534.2	10739.8	9993.9	10907.6	10600.8	10367.9	8288.3	10562.9	10679.9	11010.6	14611.5
20866.9	11984.3	10795.0	12141.3	12485.6	11634.8	11304.0	10905.0	15000.8	11166.5	17516.0
19318.8	8971.8	8297.9	9149.8	9674.2	9122.5	7232.2	9615.5	9722.8	9710.7	14201.8
26978.3	10919.9	9862.2	10708.0	11254.5	10684.5	9492.5	10857.8	13483.3	12666.7	16789.2
15975.1	7657.9	7168.1	7760.3	8490.2	8001.0	5821.8	8308.4	7934.3	8861.8	12398.8
16880.7	9817.6	9440.0	10473.1	10265.1	10049.3	8292.0	10244.1	10885.0	11746.8	14490.1
9640.4	7213.4	6703.0	7363.1	7715.1	7123.4	5934.5	7104.2	7268.9	6354.1	10683.3
8220.7	6706.6	6140.8	7115.7	7152.3	6774.0	5570.2	6945.5	7149.5	7061.8	10519.0
6743.1	6852.4	6064.8	6806.0	7252.6	7214.5	4671.5	6857.6	6812.1	7257.0	11421.6
9976.0	11534.8	10255.9	11079.1	10409.2	10634.2	9076.0	9982.1	12547.7	10760.3	17441.8
13347.6	14348.7	11517.3	11465.9	10405.4	11941.9	9281.7	10380.2	16219.6	11443.2	15921.3
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1852.3	7792.1	6801.9	7870.5	8405.5	8016.2	6108.7	7523.0	6965.6	7271.4	9759.4
13376.6	8008.1	7473.2	7980.5	8699.6	8313.8	6043.9	8742.0	8431.5	9478.9	13222.0
10611.2	10477.8	9369.7	9958.3	9134.1	9528.3	9244.8	9039.2	13386.2	10414.0	12296.5
16461.0	9933.5	9078.8	9963.9	10576.2	10412.2	8120.0	9944.6	10720.5	10648.6	14444.5
11978.9	10638.7	9742.3	9817.0	9550.4	9552.8	9239.4	8750.6	11907.7	10485.3	12997.6
1640.9	9338.4	9056.1	10488.0	10170.1	9604.8	7752.5	9597.2	9874.1	10059.8	11793.8
14997.8	8190.9	7966.2	8120.0	9503.2	8607.7	6388.1	9273.5	8203.7	10705.5	14788.8
16680.9	7162.4	7106.8	8072.6	9061.8	7838.9	7260.6	8064.2	7330.5	7614.7	10716.5
20594.6	12077.0	10609.0	11790.5	10300.7	11152.8	11251.3	10128.8	14146.3	12536.1	15924.4
8406.2	10761.8	9731.1	10349.1	10567.0	10307.3	8009.1	10415.0	10590.3	11104.1	14975.6

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9088.4	7426.9	5156.7
7615.5	6827.4	3414.2
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11478.7	12485.6	9428.0
11574.4	12263.0	9568.4
9256.7	7782.1	6447.2
9950.1	9196.1	7123.0
9284.7	6802.1	4764.1
9373.7	7047.1	5491.7
9498.5	6854.0	5059.2
7339.4	5441.5	3989.3
12071.9	12478.4	9658.4
10513.9	11473.8	8397.1
12627.1	12964.7	10523.9
10899.6	7777.0	5581.1
11190.4	8587.7	6688.7
9381.0	10523.0	8550.5
12004.5	9080.0	7073.4
11019.8	8421.4	6384.9
11485.5	10969.8	8889.6
9997.9	7263.8	5102.4
11028.5	9428.8	7707.3
8445.1	6222.7	4381.6
10621.5	8446.4	6321.3
7146.9	6398.1	4870.8
7003.1	5699.1	4303.9
6990.1	5610.3	3138.1
10461.9	9610.4	7092.1
10765.7	10619.9	6522.6
9485.1	7522.2	5291.3
7684.6	5557.1	4938.2
8953.6	6429.5	4197.1
8221.1	9418.5	8329.8
11040.4	8360.9	5757.4
9039.1	9315.1	8129.1
10178.9	8073.1	6160.4
9605.4	6578.8	4610.9
8446.7	6941.1	5069.6
10437.8	11339.0	9005.3
11123.0	8159.1	5527.5

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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Betaproteobacteria

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DQ988255.1 gg_id:196892 Microbial lab-scale A1-A2-O fixed biofilm system coking wastewater treatment with DQ988
GQ022695.1 gg_id:486975 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
GQ008349.1 gg_id:501316 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
GQ083533.1 gg_id:458677 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw25(GQ083
GQ107072.1 gg_id:432134 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw544d0 GQ107
GQ022092.1 gg_id:487576 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
GQ023888.1 gg_id:485781 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023
GQ103014.1 gg_id:443883 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ103
GQ089299.1 gg_id:448221 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ089
GQ022022.1 gg_id:487645 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
GQ023045.1 gg_id:486624 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ023
GQ108814.1 gg_id:465031 Topographical and Temporal Human Skin Microbiome skin palm clone nbw717h09c: GQ108
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GQ038841.1 gg_id:457407 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu523h01 GQ038
GQ096807.1 gg_id:392240 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw GQ096
GQ102406.1 gg_id:415075 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
GQ115305.1 gg_id:433808 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(GQ115
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GQ008069.1 gg_id:501596 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
GQ112122.1 gg_id:387746 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw584 GQ112
GQ023417.1 gg_id:486252 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu318c03 GQ023
GQ037440.1 gg_id:458162 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ037
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GQ038903.1 gg_id:377128 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu4 GQ038
GQ058999.1 gg_id:374074 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu58 GQ058
GQ035860.1 gg_id:416831 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu37 GQ035
GQ091716.1 gg_id:448179 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ091
GQ007643.1 gg_id:502021 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ039247.1 gg_id:394725 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu41 GQ039
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GQ023731.1 gg_id:485935 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023
GQ021761.1 gg_id:487908 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ021
GQ045522.1 gg_id:466285 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc GQ045
GQ083081.1 gg_id:414741 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ083
GQ023923.1 gg_id:485746 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023
GQ015141.1 gg_id:494526 Topographical and Temporal Human Skin Microbiome skin palm clone nbw764h09c: GQ015

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7810.5	10449.8	9553.0	10901.7	10722.6	10094.2	8504.7	10229.8	10372.9	11102.7	13587.9
14347.0	9454.3	8758.1	9572.1	10521.6	9794.9	7814.6	9667.0	9722.1	10888.9	14208.9
13048.2	10016.3	9838.9	11342.4	11867.4	10290.3	10046.4	10146.0	11047.6	9497.4	13004.8
11289.5	6256.2	5901.2	6525.5	6286.1	5780.3	5390.0	5684.1	6355.5	5904.5	8342.7
12982.2	9397.6	8863.4	9520.3	10669.8	10059.3	8122.8	9741.3	9080.1	10392.6	13914.6
19358.2	13120.9	11544.1	12688.3	12697.3	13002.7	11551.4	12145.2	17188.7	12410.1	20295.9
19357.6	8611.4	7733.0	8114.3	9078.3	8435.8	6048.8	8899.3	8246.4	9206.3	12354.9
12171.9	9961.2	9080.8	10260.1	9633.2	9453.6	7988.0	9386.5	10118.7	10395.3	14330.4
1862.2	9066.0	8103.3	9853.7	9946.9	9139.9	7035.2	9243.1	8995.6	9628.9	11996.2
18315.7	9836.4	9304.6	9994.3	10752.4	9956.5	8052.3	10253.1	11467.0	12002.3	16098.9
31996.8	10436.6	9324.2	10297.5	10500.4	10237.4	9752.7	9608.6	13687.5	11344.1	14748.6
11290.9	8018.5	7456.0	8867.2	9599.7	8615.3	7302.0	8340.1	10074.4	9690.0	12002.0
10724.6	7952.2	7522.0	8215.1	9111.5	8126.0	6885.2	8462.4	9325.1	9757.0	9968.6
28011.7	9525.6	9102.8	9361.2	8985.0	9039.8	8899.2	8550.0	9321.4	11074.6	12914.3
17491.0	8747.1	8436.2	9239.9	9627.9	9229.0	7327.2	9504.1	9451.8	9975.4	13895.2
13261.2	7201.5	6613.7	7233.1	8279.8	7480.8	5679.3	7714.3	6953.5	8487.6	11623.9
18180.5	9619.0	9113.0	9592.7	10537.9	9891.6	8038.8	9909.4	10743.3	10376.3	14078.1
12231.7	9224.8	8324.4	9466.8	8903.1	8904.1	8025.6	8717.7	10323.1	10214.8	14186.4
9161.3	6508.9	5807.5	6335.4	5241.4	5920.7	4800.5	5291.8	7493.1	5072.7	10188.8
17348.2	8650.6	8054.3	8595.5	9468.7	8954.2	6958.1	9129.5	9292.7	10039.0	13988.6
12852.6	9910.0	8922.4	8507.9	8312.6	8590.3	7605.1	9263.0	10028.2	10165.9	12842.1
12858.9	6591.5	6600.7	7163.5	7707.1	7020.8	5285.9	8095.7	6587.7	8032.1	10692.4
22064.6	10427.4	9354.3	10242.2	10533.8	10337.7	8088.1	10464.8	11763.9	12445.4	15438.1
21178.0	11619.7	10581.2	11914.8	11029.9	11091.5	10817.3	10691.8	15101.7	13054.5	17289.9
12933.7	7223.1	7031.9	7717.6	8888.1	7606.8	5822.7	8080.5	6640.5	9392.0	12618.7
10384.0	7493.2	6947.0	7611.6	7723.7	8027.0	8059.1	7308.5	8070.9	7333.4	12009.3
16769.7	9686.4	9229.6	10525.8	11173.9	9769.9	9781.0	9225.3	11376.2	10271.9	13019.4
9505.9	10080.9	8919.5	10201.9	9875.3	9901.0	7839.1	9660.0	9964.8	10324.3	14231.0
7644.7	10187.4	9677.8	11263.9	11062.9	10099.2	8655.2	10718.7	10554.8	11445.5	15002.4
30885.5	10974.3	10369.5	10523.9	10114.5	10234.1	8769.5	10096.4	13844.7	10877.5	17175.6
18163.2	11025.6	9681.1	11242.6	11663.0	10812.9	8681.0	10572.9	11963.4	12520.5	17363.6
11410.6	8793.0	8077.6	8563.4	8487.8	8652.3	7059.2	8537.9	9902.7	9482.0	13292.4
61633.3	15947.8	14819.8	15752.1	13797.3	14158.1	15804.2	13790.7	22218.6	17764.4	24504.0
8432.2	11573.3	10714.1	10256.9	10694.1	10832.2	7948.3	10840.4	11481.7	11772.5	16893.6
19292.5	7535.4	6833.1	7639.7	8490.8	8028.5	6475.8	7857.0	7779.4	8123.0	11541.6
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22326.1	10282.3	9483.8	10815.7	9263.4	10073.2	9608.2	9385.7	12512.6	9017.8	14381.0
25297.0	12591.7	10983.2	11860.9	12085.4	11655.6	11006.1	11424.8	15984.8	12385.5	15790.5
23132.9	10997.1	10331.5	10643.0	9873.8	10129.1	9772.8	8670.4	13108.8	11859.3	16097.9
6905.6	8992.2	8884.3	10878.8	10332.7	9262.7	10016.0	8935.2	10226.4	8320.0	14930.8

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11716.6	9867.9	7108.0
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9956.9	8727.6	6293.5
9985.2	6847.6	5726.0
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8915.8	7763.4	5489.9
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8663.9	8195.7	5961.8
8440.1	5645.8	3776.8
11029.9	8457.9	5881.7
11071.1	10572.5	8142.1
8575.3	6138.2	3850.5
7498.7	7208.2	4063.0
9392.3	9574.6	8374.0
10212.7	8014.8	5373.6
11440.6	8652.3	7026.9
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11662.1	9078.4	6318.5
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14788.7	15611.4	13328.5
10980.9	8420.8	5600.3
8335.6	6802.4	4351.5
6852.8	6304.7	3450.8
8887.5	8923.8	8298.9
11450.2	10509.8	8770.8
9927.8	10802.1	6316.6
9368.0	9191.9	7360.6

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GQ039204.1 gg_id:460327 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu41 GQ039
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GQ115923.1 gg_id:428199 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw603a10 GQ115
GQ009005.1 gg_id:500661 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ009
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GQ113325.1 gg_id:422526 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ113
GQ007419.1 gg_id:502246 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ059948.1 gg_id:412346 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ059
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GQ103575.1 gg_id:386707 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ103
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GQ065193.1 gg_id:382362 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw84a02 GQ065
GQ089325.1 gg_id:437797 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ089
GQ105762.1 gg_id:462767 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
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GQ023940.1 gg_id:485729 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023

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4703.2	7903.5	7625.8	8169.5	9783.9	8543.2	7154.9	8874.6	7023.2	9308.3	11096.2
52611.1	13337.7	11911.3	12516.0	13051.3	12170.4	12195.5	12725.1	15948.9	13857.4	20408.8
12362.8	8941.1	8253.1	8912.5	10139.1	9096.2	7056.4	10003.5	9048.3	9800.8	14890.5
7445.5	9501.9	8657.1	9184.4	9955.9	9531.9	7801.1	9238.2	9010.5	9505.0	12024.0
21705.0	8264.7	7752.1	7979.4	9201.2	7779.4	8923.1	8269.3	9603.3	9023.2	10892.3
17974.6	9289.5	8192.6	9381.9	10092.0	9366.8	7745.4	9256.8	9997.0	9723.8	13254.9
14824.8	12003.9	10858.2	12478.2	12187.1	11890.0	11178.7	11060.9	15351.8	11233.8	17886.4
12410.2	7798.5	7181.3	7913.5	9210.9	8171.4	6552.4	8205.5	7485.1	9069.5	10702.5
7372.6	10554.9	8897.7	9476.7	9965.1	9780.7	7348.3	9594.9	10572.3	9744.6	12908.2
19579.5	7926.3	8528.4	7796.5	7653.6	7131.6	7284.6	7184.5	10995.4	9230.4	11774.3
10639.5	14171.1	12957.6	15134.5	13322.2	12952.1	12446.7	12498.1	17179.1	12524.2	18369.7
34756.4	11416.3	10923.0	11236.9	10741.7	10612.6	10680.5	10690.4	13149.8	14142.0	16365.1
7109.5	9405.3	7804.0	7806.7	7509.7	8682.5	7591.3	7701.3	10238.1	7496.7	12010.0
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19350.2	11125.9	9172.3	10246.9	9846.3	9568.6	8976.4	9212.2	12967.7	10040.7	12508.9
15304.7	10411.7	9026.8	9319.7	9198.9	9074.5	8135.7	7494.8	10739.5	9244.8	11249.6
14812.7	8426.9	8327.7	9101.2	6955.6	7797.6	7439.5	7699.7	9540.3	8604.4	11763.3
17778.4	8620.3	7069.9	7799.8	6935.2	7907.7	6692.3	7518.5	9445.7	6760.0	13208.6
7743.1	6738.7	6274.4	7139.8	9108.3	7270.2	8428.0	6341.3	6485.3	7862.8	8550.3
17688.3	11872.6	10784.4	10714.9	9947.7	10493.2	9819.8	8980.6	15115.6	11512.4	14467.4
32325.1	12323.0	11029.3	11818.8	11503.6	11970.9	11741.0	10879.3	14652.8	12676.3	17392.3
5115.9	7007.8	6617.9	7567.3	8433.1	7705.0	5295.6	7775.1	5833.7	8569.2	10514.7
4983.9	6196.5	5936.7	6392.5	6977.9	6697.9	4912.9	6474.9	5482.5	6453.6	10445.1
9966.5	6443.8	5880.3	6598.3	7469.8	6433.2	5236.2	6400.0	6459.0	7599.0	8836.7
8006.1	9903.2	9332.0	9907.0	9974.1	9706.1	7589.6	9835.9	9546.6	10168.4	12902.5
25399.2	9158.0	8531.1	9278.9	10233.5	9344.3	7687.6	9658.6	10478.3	12216.6	14984.8
12481.1	6969.8	6400.1	6196.1	5958.7	6535.4	5691.4	6542.8	6830.0	7138.7	9683.1
13941.4	8668.4	8119.9	8365.8	9105.2	8672.9	6766.0	8935.7	8450.9	10010.3	12890.5
18773.2	7339.8	7032.7	7087.4	6663.8	6795.8	6565.8	6849.5	9150.1	7152.2	10518.5
21299.0	12041.0	11332.9	11643.6	11504.9	11087.8	12373.9	10377.4	14080.7	10132.8	16138.8
25625.1	12021.0	10708.0	11895.9	11407.0	11259.4	11252.9	10754.4	14915.1	12336.5	18006.3
19070.2	10725.0	9718.2	10431.1	10108.0	10257.2	10225.4	9134.1	12945.3	7694.5	15577.7
16204.5	9406.4	8068.2	9528.3	8884.9	8837.3	7964.4	8142.1	12120.6	9904.1	14017.2
14421.2	11701.4	10806.3	11259.3	11116.3	11022.7	9366.8	10905.9	12878.4	11644.0	17405.3
13138.3	9017.2	7872.8	8081.6	8849.6	8357.1	6064.3	8722.5	8515.4	8838.1	11435.2
14549.7	8921.1	8574.9	9291.8	8916.7	8578.8	8098.9	8612.2	11396.9	9896.7	14391.7
8322.7	10548.9	9720.6	10662.5	10829.2	10221.5	8283.0	10490.4	10570.9	11145.0	13965.2
20768.9	9918.4	9207.1	9862.1	10760.2	9761.1	8340.2	10137.7	11004.9	11857.8	15630.5

10520.5	8696.1	7131.5
9464.9	7064.6	5637.3
13202.7	13232.1	10432.0
10116.3	7039.8	4724.4
10044.2	7862.7	5661.8
8441.6	8481.9	6440.5
9364.8	7476.2	6336.2
11723.6	11438.6	8953.5
9122.9	6871.4	5880.9
9742.9	7639.3	5610.3
7833.9	8492.9	5567.3
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11104.3	10562.1	7714.8
7110.1	7296.8	5330.4
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11486.9	12327.1	9325.4
7762.5	6332.7	4514.6
8460.7	9647.5	7930.2
8215.3	8674.9	7567.5
7712.5	7893.2	6002.1
7712.2	7393.3	4661.3
7596.8	5872.6	5976.5
9149.5	11027.0	8476.7
10568.7	11114.9	9440.1
8381.5	5836.0	4546.2
6746.0	5159.3	5286.3
7376.0	5128.3	3120.3
10466.6	7729.2	5775.1
10021.0	8171.8	5795.0
6659.1	6854.6	5872.7
9290.8	7121.6	6315.6
6324.1	8521.9	5300.7
11653.3	11944.7	8393.5
10770.5	12186.8	9074.7
9109.9	9853.8	7463.6
8811.6	7979.4	6542.9
11290.7	9825.5	7002.6
9276.5	6624.6	4108.9
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10720.5	8292.1	6959.0
10994.7	7768.2	5596.4

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GQ104947.1 gg_id:379701 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ104
GQ086669.1 gg_id:377539 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw29 GQ086
GQ072878.1 gg_id:405335 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw202c06c GQ072
GQ023048.1 gg_id:486621 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ023
GQ023623.1 gg_id:486047 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu320g02 GQ023
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GQ105425.1 gg_id:417429 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ047707.1 gg_id:371401 Topographical and Temporal Human Skin Microbiome skin palm clone nbw138c02c1 GQ047
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GQ018797.1 gg_id:490870 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbu190h GQ018
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20064.9	10735.4	9630.9	11161.6	11132.3	10558.3	10239.4	10029.0	14610.0	10821.9	15578.8
23834.9	12843.8	12683.7	13554.4	13259.8	12860.0	13508.8	12028.1	16816.4	11445.4	20189.6
7246.9	8614.0	8238.7	9852.3	9752.0	8811.5	7442.3	9429.2	9000.9	9688.1	12804.3
54371.8	14892.1	13045.0	14374.4	12639.9	13087.0	13846.6	13089.8	20215.8	15395.5	21113.5
11568.4	9508.9	8784.3	9214.9	8786.7	8564.9	6894.5	8092.9	8763.8	8519.2	13224.2
10295.3	11927.2	11284.2	11551.7	12690.5	11388.6	12217.4	10914.2	10188.8	10852.3	13388.2
7211.9	9549.4	7482.1	7521.5	7186.4	7655.0	6444.6	6711.5	8953.8	6587.6	9897.9
15700.0	11301.6	10319.5	11177.3	11060.0	11139.0	10285.8	10128.7	12656.9	10677.1	16572.9
23975.6	11020.0	9784.9	11138.8	12095.3	10831.2	9172.8	11264.3	11891.2	12830.1	16630.9
9088.4	7998.3	7866.6	8850.1	9429.3	8693.3	7665.9	8680.6	8452.9	10434.0	10958.6
15241.4	10220.1	9730.1	10225.9	9603.8	9433.6	7822.6	10419.2	10419.1	11000.0	15229.2
21706.7	11552.5	10170.6	10230.6	9972.4	10417.8	9711.9	8906.1	13098.6	9675.5	14132.5
19161.2	8680.2	8326.1	8722.4	9676.3	9054.5	7135.5	9218.7	8859.7	10565.4	13390.3
15869.3	9960.1	9989.1	10455.2	10547.4	10279.0	10500.1	9847.8	11335.6	10202.7	14441.4
17212.2	10649.5	10027.3	10842.7	11527.6	10407.9	9552.7	10335.7	11867.3	11920.5	14619.0
4049.3	10597.7	10174.8	11531.0	11035.2	10456.6	9290.6	10619.4	11363.0	10989.6	12831.6
15115.0	9509.2	8609.1	9203.1	10099.0	8910.5	8647.0	8669.9	10489.3	9386.0	14335.2
11576.1	8559.1	7536.4	7939.3	8257.7	7285.7	9055.1	6931.2	9668.1	7054.1	11677.2
14490.7	6211.4	5584.2	6239.3	7095.8	6692.7	5030.7	6400.9	6124.3	7340.0	10270.7
9778.2	7896.8	7310.8	8264.6	8128.4	7845.7	7248.9	7254.7	10083.1	8238.7	12316.3
13064.3	9843.9	8909.4	9300.0	9068.7	9407.1	7981.6	9184.6	10819.5	9860.1	14542.0
6977.7	7478.0	6971.5	7682.8	8814.4	8004.7	5795.8	8541.1	7541.3	8479.2	13028.3
3682.2	8773.3	8424.6	9707.4	10039.7	9354.5	7718.3	9198.6	9463.7	7747.0	12564.7
18586.0	9685.1	8594.9	9429.6	9831.2	9486.3	8600.6	9912.9	8947.4	9494.5	11247.6
17626.6	6418.4	6234.9	6287.6	5704.3	6216.4	4891.1	6211.9	7068.7	5268.1	9341.4
6746.4	8938.6	7431.4	7738.8	8168.1	8178.6	5942.8	7972.1	8885.9	7781.2	11011.1
15773.0	11551.2	9975.7	10953.9	10911.1	10798.0	9555.0	10307.0	13247.6	10391.6	15946.9
22495.0	10499.9	9334.9	9607.2	8895.1	9871.0	9707.1	9003.9	12203.7	9900.1	15106.6
11360.5	7289.7	6769.9	7352.3	9371.2	7681.3	5904.3	7737.2	6719.8	8425.5	11753.4
32883.5	11310.5	9895.1	11025.6	11351.8	11123.8	10842.6	9621.9	13854.9	13685.7	16122.4
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16023.8	9504.8	8419.6	8470.3	9513.7	8967.4	7546.6	8510.6	9555.3	11208.8	12116.2
20896.1	9865.3	9711.8	9544.2	9097.5	8553.1	9010.3	8391.0	10868.6	8554.9	14108.4
34841.2	10460.4	9242.7	9729.2	10038.5	9813.9	9293.9	9785.4	10989.9	10376.3	15194.3
5684.5	10678.4	8630.4	9812.8	9705.9	10023.9	8076.9	8489.2	9275.4	7723.4	13482.5
7796.7	7016.1	6529.6	7202.4	7912.2	7536.6	5968.3	7154.8	7459.9	7240.4	10398.7
18021.3	7758.4	7713.0	7464.4	8042.6	7426.8	7684.7	9909.2	9989.4	9055.1	12792.6
15549.2	6936.0	6563.8	7011.3	7561.2	7257.2	5572.4	7605.9	7075.9	8600.3	11222.6
11317.5	8831.8	8018.5	8881.5	10402.8	9366.1	6600.1	9486.7	8155.6	10510.0	13182.1
9039.6	8855.8	7141.2	7729.3	8372.1	8285.9	6873.8	7207.4	8668.3	7898.9	10417.9

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9899.0	7341.4	5980.5
13139.0	14347.4	11776.4
8947.4	7995.6	4767.5
11495.5	10739.3	9941.3
6626.9	7362.5	5396.0
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12109.8	9206.1	7046.6
8770.4	7648.9	6144.8
10135.1	8064.4	6186.5
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10685.0	9377.5	7570.9
9945.6	8483.0	5880.6
8625.5	8825.2	6261.7
6891.7	5498.6	3491.0
7018.9	7971.0	5798.6
9162.0	7589.9	5380.5
8848.1	6930.4	4884.7
9365.4	8096.9	6884.1
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8123.8	7132.7	3158.7
7870.0	6298.0	4524.5
10903.1	9160.6	7249.0
9152.5	10106.5	7663.1
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10937.5	10637.2	9052.5
6339.6	8006.6	6423.0
8095.9	6149.6	4679.9
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8677.0	9991.9	6153.7
9889.9	11005.7	7981.7
9345.8	7519.5	5140.4
7383.7	6533.0	4470.6
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11611.2	10282.7	9478.4	10248.8	9805.2	9668.9	8199.4	9709.0	10635.7	10765.7	16034.1
16121.3	9489.8	8739.2	10278.1	10272.8	9009.7	8602.2	8394.3	11343.6	9340.6	13643.9
15752.3	10445.3	8904.6	9876.7	9257.9	10339.8	9511.6	8694.5	12040.6	8351.6	14763.7
16970.6	8650.6	8122.9	8741.9	9419.6	8819.2	6656.0	9343.2	9104.3	10418.3	13985.0
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2266.0	9432.1	9149.5	9789.5	10090.8	9867.9	7601.7	9261.5	9309.7	10260.2	11590.3
33186.4	11138.2	10775.3	11063.5	10952.2	9506.0	9945.3	9081.9	13457.0	12292.8	15887.4
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33871.7	12247.1	10564.8	11408.1	11475.4	11291.6	11451.8	11567.9	14028.9	15004.7	18546.2
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4686.9	5331.2	5840.5	7279.1	7499.9	6042.4	4067.0	6148.4	6100.8	5202.1	9426.3
29179.8	14247.0	13290.4	13993.3	14397.6	13561.9	12405.8	14045.3	16556.9	15075.6	22099.3
9656.9	7514.9	6508.5	7424.4	8046.6	7887.3	5524.0	8254.3	7816.3	9289.6	11226.9
12959.0	8652.7	7991.6	9352.9	9161.3	8924.4	7911.9	8470.3	11690.6	9977.0	12477.1
8260.0	6917.0	6397.3	7179.5	7726.0	7338.9	5579.2	7385.7	7188.7	6539.3	10698.1
811.9	4808.7	3861.6	4670.7	3753.8	4910.4	2702.9	3782.6	5251.9	3601.2	5032.5
21762.4	7141.9	7168.5	7893.6	6503.1	5954.3	6316.0	6033.4	7860.0	8081.7	10926.4
34140.7	11789.2	10450.3	11394.0	11428.8	11098.8	10806.8	10200.2	15004.6	12940.0	16507.7
23826.3	15360.3	13529.8	14708.2	14289.0	14112.5	13255.5	13440.5	19289.4	15459.4	19746.7
18393.1	8305.3	7688.5	8433.3	9827.6	8666.7	6827.8	9094.8	8494.4	10699.8	13031.5
17633.8	14400.0	12344.7	13745.1	13559.4	13425.2	12458.7	12167.8	17975.7	13893.0	17801.1
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30589.9	11675.9	9958.0	11035.9	10044.7	10221.8	10305.4	10008.5	13086.3	11335.9	16909.7
48696.4	16133.1	15128.9	17285.2	16538.4	15412.1	16842.2	14363.9	23781.6	18884.8	24249.8
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8545.0	11345.2	10253.4	11251.7	12169.3	10979.1	8995.8	11400.0	12016.5	12867.4	15168.5
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14109.3	8890.9	8021.4	8847.6	9535.2	9178.7	11438.5	8713.7	9718.1	9248.0	13886.3
13248.4	7132.7	7232.2	7130.0	8054.7	7551.1	6046.2	7292.0	6575.8	8859.8	10784.5
7669.4	5584.1	5138.1	5790.4	6733.0	6182.3	4342.1	6011.6	5399.6	6201.5	8997.3
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18797.6	8392.2	7801.3	8404.4	9238.9	8485.9	6688.5	8860.8	8614.9	10876.7	13326.1
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15014.2	9356.6	8663.1	9245.0	10347.6	9400.2	7553.0	10002.0	9588.8	11011.5	14549.0
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GQ038678.1 gg_id:444551 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu521d0 GQ038
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GQ070559.1 gg_id:427955 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ070
GQ108430.1 gg_id:417610 Topographical and Temporal Human Skin Microbiome skin palm clone nbw606e09c1 GQ108
GQ022061.1 gg_id:487608 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
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GQ060126.1 gg_id:387918 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
GQ096069.1 gg_id:418452 Topographical and Temporal Human Skin Microbiome skin back clone nbw386b10c1 GQ096
GQ092668.1 gg_id:394657 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl GQ092
GQ007131.1 gg_id:502532 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ105312.1 gg_id:437116 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
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GQ007269.1 gg_id:502401 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ106017.1 gg_id:441683 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ106
GQ096151.1 gg_id:455391 Topographical and Temporal Human Skin Microbiome skin back clone nbw387d04c1 GQ096

21574.4	7576.1	7147.1	7726.0	7781.2	7065.6	7037.5	6545.7	9122.0	9086.4	12669.3
9546.4	6796.0	6264.9	6941.2	7963.0	7311.0	6373.0	6885.1	7398.9	8964.5	9580.4
14920.9	9430.2	8510.0	8855.4	9950.6	9301.7	6860.0	9344.8	9088.8	10716.7	13580.6
9539.7	6754.4	6511.0	7283.5	7573.9	7683.9	6975.8	6773.5	7907.8	7585.5	10198.2
14797.0	10625.3	9392.5	9938.3	11126.3	9968.3	7854.6	10738.1	9788.1	12695.5	14768.2
8513.0	5424.2	6430.1	5927.4	6704.7	6121.9	5181.4	6462.8	4529.4	7750.9	7077.3
7961.4	10647.9	9625.4	10376.7	10287.8	10138.7	7938.3	10330.0	10316.6	11175.6	14699.1
14723.9	6523.8	6541.9	6989.0	7544.2	6945.8	5437.4	7210.6	6357.3	7117.1	10204.2
15193.4	7163.0	6222.1	7583.7	6293.2	6831.7	6372.0	6054.2	6905.7	6393.9	8897.3
13159.3	9769.1	8855.0	9904.4	11416.7	9986.6	8728.2	9545.0	10016.5	9438.1	12591.9
17215.4	10380.2	10018.0	10761.5	10351.3	9990.2	8367.9	10446.2	10645.9	12472.6	14635.7
13044.6	5394.5	5978.2	7034.5	6705.2	6149.3	4929.1	6747.1	5004.7	6779.7	9304.5
11246.7	9959.1	9306.5	10881.4	10356.0	10310.8	9564.3	9680.5	12283.8	8012.7	15085.9
3315.6	10656.6	9393.5	10914.5	11630.7	10469.2	8499.8	10500.3	10786.9	11965.0	14041.5
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32940.6	15121.9	13875.5	15261.3	15066.0	14949.3	13218.6	13626.4	17403.5	18416.2	23267.4
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8017.2	9820.9	7982.6	8724.7	9489.2	9470.7	8291.0	8400.9	9790.3	10881.5	12154.1
8519.2	11647.6	10583.8	11785.8	11254.6	10773.9	9206.4	11093.6	11585.2	11674.8	15562.8
12617.2	10970.0	9403.8	8826.3	9371.8	10545.8	6524.9	9530.7	11278.6	9918.3	13534.7
12275.4	8473.9	6871.8	7756.7	8520.7	8668.4	6981.5	7528.1	10113.2	7963.6	12294.2
15243.4	8030.8	6325.6	5313.4	5107.5	5741.6	4869.2	5295.5	7168.4	7162.7	8229.7
11185.8	9395.3	7764.9	8059.8	8169.5	8552.1	7061.4	8391.8	8781.7	8099.8	11179.4
14799.2	8305.4	8016.6	8589.5	9741.9	8782.4	6710.5	9268.7	8460.8	10293.8	13781.0
4581.0	8776.2	8296.5	9641.5	9888.7	8885.7	7952.6	8797.0	8685.0	8329.3	11266.9
12037.0	8851.8	7730.5	7756.0	8256.8	8412.7	5949.0	8775.5	9456.0	8822.7	11024.8
13521.8	7191.0	6932.2	7644.7	8122.1	7591.2	5714.3	8249.2	6874.7	9178.2	11366.1
3226.6	9473.9	8539.1	10197.0	10917.4	9605.8	7798.6	9550.6	9142.7	11350.6	12410.1
41713.0	12065.4	11139.1	12029.1	12305.5	11516.3	11101.5	11143.0	15426.7	13982.3	18046.7
14947.2	8252.2	7866.6	8542.6	7183.5	7789.1	7096.3	7608.6	9527.8	8924.3	11773.3
12092.4	10978.8	10363.9	11145.2	11912.7	11352.9	9754.3	11387.0	13899.8	11869.5	18378.4
20057.9	10845.5	9939.5	11144.0	11379.3	10559.2	10106.9	10561.5	13069.0	12906.2	16814.8
14228.2	7515.9	6582.4	8226.3	7500.9	6560.0	7050.3	6393.5	9116.2	7418.4	10711.5
14358.7	6463.7	5915.9	6339.0	6617.9	6439.7	4822.7	6665.6	6551.8	5611.2	10595.4
10336.6	11091.7	9797.8	10662.1	11246.5	10665.9	9372.4	10403.4	11737.9	10569.9	13706.3
17121.5	8869.6	8316.9	8979.5	9362.7	9109.3	6892.1	9632.7	9737.6	9408.9	14317.1
15594.4	11248.1	10679.4	10746.6	10640.8	9936.0	9301.1	10530.7	13611.9	10292.7	14912.9
15091.9	9377.9	8748.8	9703.2	10767.6	9481.4	7574.2	10231.4	8547.8	10173.6	15701.0
5491.6	7752.4	7669.5	8664.3	8933.9	8126.8	6418.7	8664.2	6962.3	9114.2	11214.7
37567.1	10535.5	9501.8	10214.4	10040.2	9963.8	9792.5	9808.5	14391.6	11377.5	15112.3

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7317.3	6529.9	4610.3
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7309.5	6476.0	4961.9
11092.5	8031.9	5622.4
7522.5	5809.8	3904.3
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10886.8	8670.7	7145.6
6611.9	5376.3	4443.3
10036.6	9168.2	7533.1
11615.3	8220.9	6594.0
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15139.2	14061.2	12698.8
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11540.9	8061.2	5476.4
9062.4	7736.3	7216.9
11559.8	9030.4	7583.5
9741.6	7377.0	4458.8
7681.3	6174.7	3850.2
6325.5	4875.0	2885.4
8365.1	7692.3	5372.4
9727.0	7170.6	4998.1
9587.3	8187.5	7329.2
9192.0	6621.6	4377.1
8188.6	5998.7	4642.9
10674.7	7499.4	6625.7
11961.4	11294.3	7568.6
7904.5	7596.8	5160.5
10524.2	10486.6	8057.2
11121.5	10042.5	7771.3
6391.7	7998.8	6456.0
6420.8	5472.8	3721.7
10871.0	8853.5	7051.0
9295.3	7232.8	5215.6
9693.5	9447.8	7627.9
10407.1	7473.0	5088.9
9006.7	6400.9	5224.6
9655.9	10963.4	8353.4

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GQ025332.1 gg_id:429299 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ025
GQ102360.1 gg_id:382685 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
GQ102181.1 gg_id:454910 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ102
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GQ095669.1 gg_id:382891 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw4 GQ095
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GQ115301.1 gg_id:418560 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(GQ115
GQ008025.1 gg_id:501640 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
GQ008229.1 gg_id:501436 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
GQ108198.1 gg_id:463808 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw603f05c GQ108
GQ102872.1 gg_id:436829 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ102
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GQ108844.1 gg_id:432413 Topographical and Temporal Human Skin Microbiome skin palm clone nbw718c07c1 GQ108
GQ073043.1 gg_id:379640 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw204d09c GQ073
GQ105239.1 gg_id:372433 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ105
GQ037180.1 gg_id:398671 Topographical and Temporal Human Skin Microbiome skin palm clone nbu389h03c1 GQ037
GQ105289.1 gg_id:394627 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ064941.1 gg_id:457050 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw81b07 GQ064
GQ106744.1 gg_id:375176 Topographical and Temporal Human Skin Microbiome skin back clone nbw540b09c1 GQ106
GQ021635.1 gg_id:488033 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu28 GQ021
GQ113083.1 gg_id:405705 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(GQ113
GQ114028.1 gg_id:380944 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ114
GQ007174.1 gg_id:502490 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ033025.1 gg_id:392838 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ033
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GQ038068.1 gg_id:414649 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu37 GQ038
GQ060030.1 gg_id:454701 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060

12608.6	7921.9	6881.4	7808.2	8176.9	8030.6	7027.1	7594.8	6228.0	7325.1	8905.8
8362.7	10737.5	9718.1	10405.8	10595.2	10302.6	8078.3	10258.4	10607.8	11183.7	14612.4
3085.0	9981.6	8967.1	10457.3	10403.9	9759.8	7953.8	9640.5	9327.2	10122.8	12620.6
8594.3	6341.5	5841.5	6574.1	7236.6	6886.3	5009.7	6917.2	6239.0	6548.4	10232.5
15091.3	8849.3	8334.8	8607.3	9164.6	8689.5	7495.4	8988.6	9409.0	9756.4	15443.4
29229.8	11702.9	11171.0	11223.6	11282.2	10947.8	10665.2	11142.5	13983.2	10069.1	18164.4
11246.0	8598.8	7813.9	8400.0	8974.8	8634.7	6240.6	8462.9	8631.8	8711.0	12447.7
17326.3	8842.2	8765.4	8785.3	9930.3	9086.2	7318.8	9748.2	9403.5	10912.8	15420.0
14036.0	9257.1	8402.8	9506.8	9793.1	9230.0	7753.3	9075.9	10207.8	9512.3	12071.7
13573.7	8831.8	8018.5	8881.5	10402.8	9366.1	6600.1	9486.7	8155.6	10510.0	13182.1
7569.3	9337.6	8790.2	10248.0	10049.8	9381.3	7765.9	9767.8	9082.6	9923.1	13591.5
20765.1	12250.1	10712.4	11428.6	11280.7	11648.2	10676.1	11298.4	13810.0	11896.0	17345.5
13897.4	9039.5	7893.1	8692.3	9513.4	8907.0	7217.3	8651.5	10062.8	9759.3	12382.7
15852.9	7505.2	6293.1	7346.2	7133.5	6859.3	7114.6	6275.7	8757.9	6572.2	11510.1
13671.9	8197.6	7693.5	7955.8	7458.8	7300.1	6660.1	7360.0	10532.7	10048.2	13781.8
22819.5	13513.6	11559.3	13340.7	13136.6	12726.0	11842.8	11919.3	16422.8	11623.6	19065.3
10827.8	9822.9	9082.0	9789.3	9603.7	9307.1	9163.7	8860.4	11323.0	9259.6	12656.8
3226.4	5496.5	6129.9	6307.1	7075.0	7618.2	4759.2	6666.9	5614.0	6517.3	7300.1
5609.6	7752.4	9660.5	12204.0	8588.6	7750.6	7818.5	10073.9	9407.6	4656.2	15190.1
8273.0	10749.3	9571.1	10831.4	11170.5	10195.6	8539.6	10664.0	11491.0	11626.4	14785.6
10654.6	6117.5	6068.9	6862.2	7864.0	6741.6	5759.2	6913.0	6735.5	8276.9	8810.4
15280.0	7238.9	6242.1	6848.1	7544.7	6871.7	6103.5	6561.2	6241.2	5751.0	9335.0
13573.7	8831.8	8018.5	8881.5	10402.8	9366.1	6600.1	9486.7	8155.6	10510.0	13182.1
12579.4	8074.5	7443.8	8056.4	8894.8	8227.5	6582.1	8703.1	7935.2	8857.1	12819.9
17974.0	9004.8	8419.4	9544.9	10315.3	9063.1	8263.1	8270.4	10121.2	10840.4	13288.6
11979.7	7519.3	7418.8	7574.6	8412.9	7804.0	5699.0	8275.0	7336.0	9393.3	12407.1
15243.7	8424.9	8397.7	9395.2	9675.9	9002.6	7492.6	9719.0	8768.0	9195.3	13638.5
7682.2	5706.7	5520.5	6077.1	5723.0	6111.9	4391.4	6164.0	5208.2	6602.4	8437.4
27543.3	10763.3	9288.0	10139.2	9545.3	9652.6	9567.7	9203.4	12324.0	10505.4	15959.7
11140.9	12014.6	9781.3	9494.2	10706.1	11241.5	7863.6	10735.1	14083.0	9483.8	17764.7
25469.1	10442.4	9471.9	9828.5	9266.4	9463.9	9266.2	9511.0	12290.3	10194.3	16150.8
15008.3	8950.9	8229.4	9355.6	10187.2	9857.1	7927.6	9665.0	8534.2	11242.4	14125.8
9959.9	7514.2	6715.1	7742.7	6428.3	6563.2	6538.9	5965.1	8855.9	7552.2	11309.1
15154.1	8627.0	7821.6	9057.9	9929.5	9023.9	7192.9	9148.9	8308.1	8882.0	11663.5
10422.0	6823.8	5990.7	7232.7	7423.9	7084.8	4886.2	7258.2	6504.7	7927.6	10815.5
16183.3	6801.0	6953.9	7910.2	6535.3	6449.2	6692.9	5961.3	8090.5	7487.0	9539.9
12545.2	7790.9	7042.2	7798.1	8316.6	8068.1	5589.4	8087.6	7125.7	9365.6	11282.1
13488.2	9319.1	8628.8	9529.3	10480.0	9532.6	7539.6	9457.0	9907.8	11976.5	13112.7
9878.9	6569.6	6529.6	6622.8	6968.3	6619.3	5534.0	6523.9	6432.9	8412.4	9442.7
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9842.0	7593.1	5250.6
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11389.4	8369.4	6438.7
7887.8	6107.5	4589.4
7293.7	5883.4	4650.7
10989.0	7031.2	4635.4
8915.5	6327.1	4413.3
9608.3	9090.8	6804.3
8583.1	6030.1	3833.7
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6014.0	4259.3	3333.3
9399.7	9859.1	7503.6
9788.1	8506.7	5104.2
9441.2	9194.0	6327.4
11464.5	8312.2	5807.3
6594.8	7415.4	5559.6
9960.7	7515.4	5190.2
7763.8	5682.3	3340.6
5853.1	7223.6	6614.4
8335.3	5837.4	4575.8
10026.3	7648.2	5419.0
7197.4	6552.1	3824.3
10745.7	7965.7	6670.6
7250.0	7923.1	5982.8

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GQ113076.1 gg_id:417319 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(GQ113
GQ007509.1 gg_id:502156 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
GQ073040.1 gg_id:424804 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw204d06(GQ073
GQ060009.1 gg_id:424823 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
GQ096175.1 gg_id:424334 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw4 GQ096
GQ107391.1 gg_id:463325 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ107
GQ106004.1 gg_id:441285 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw! GQ106
GQ037318.1 gg_id:401283 Topographical and Temporal Human Skin Microbiome skin palm clone nbu391g09c1 GQ037
GQ033045.1 gg_id:390589 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ033
GQ105294.1 gg_id:440966 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ074865.1 gg_id:439805 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ074
GQ018292.1 gg_id:491376 Topographical and Temporal Human Skin Microbiome skin back clone nbu137d03c1 GQ018
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GQ105196.1 gg_id:419665 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw! GQ105
GQ049017.1 gg_id:433920 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu5 GQ049
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GQ112294.1 gg_id:374437 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ112
GQ060494.1 gg_id:426428 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw02c10(GQ060
GQ108422.1 gg_id:404678 Topographical and Temporal Human Skin Microbiome skin palm clone nbw606d12c1 GQ108
GQ108405.1 gg_id:388964 Topographical and Temporal Human Skin Microbiome skin palm clone nbw606c05c1 GQ108
GQ038970.1 gg_id:404635 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu4 GQ038
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GQ023018.1 gg_id:486651 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ023
GQ106663.1 gg_id:459845 Topographical and Temporal Human Skin Microbiome skin back clone nbw539a05c1 GQ106
GQ105795.1 gg_id:456910 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ088472.1 gg_id:440351 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ088
AB076855.1 gg_id:30289 Diaphorobacter nitroreducens str. KSP3 AB076
GQ037317.1 gg_id:384383 Topographical and Temporal Human Skin Microbiome skin palm clone nbu391g08c1 GQ037
GQ102887.1 gg_id:458669 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ102
GQ098489.1 gg_id:393801 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw560c GQ098
GQ108288.1 gg_id:404018 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw604g08(GQ108
GQ024349.1 gg_id:485321 Topographical and Temporal Human Skin Microbiome skin palm clone nbw121d12c1 GQ024
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GQ008226.1 gg_id:501440 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ008
GQ113929.1 gg_id:388566 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ113

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17486.7	8868.3	8542.7	9371.9	9741.2	9277.2	7494.0	9553.9	9437.7	9855.6	13677.6
16211.9	12959.3	13179.7	13051.9	13618.3	12745.8	12796.7	12789.0	16693.4	14436.0	22702.2
16338.2	7577.7	7038.5	7775.9	8857.2	8072.6	6011.0	8651.6	7313.2	9766.2	12261.8
17348.4	9935.2	9879.7	10705.9	9259.5	9589.8	8048.6	10344.5	10964.3	10512.8	15170.3
9288.4	11560.7	10858.5	10117.2	10614.0	10451.8	9505.2	9253.5	11035.8	12570.7	12895.3
18122.7	9084.9	8516.8	9258.2	9975.5	9307.3	7423.7	9761.9	10263.5	10261.9	14795.0
7834.0	10174.7	9736.1	9404.0	9169.6	9553.0	7078.7	9641.9	9940.3	9562.0	14685.5
9483.1	9657.3	8682.8	9928.2	10165.7	9515.2	7551.4	9450.0	9991.0	9542.0	14062.7
13109.8	9560.8	9546.0	10890.2	10752.9	10003.4	9877.7	9961.8	12384.8	10518.9	15704.7
7869.2	10719.9	9730.8	11137.7	11029.3	10258.2	8822.0	10515.1	11367.2	11378.1	14501.1
7138.0	7897.9	9436.9	11108.8	9909.7	8499.9	7741.1	10468.9	9322.2	8668.6	16847.9
9185.4	7908.8	6886.5	7531.6	7551.6	7389.2	5924.2	7411.5	8465.8	9721.2	11973.3
11201.1	8266.6	7859.0	8858.1	10136.3	8917.7	6953.8	9097.4	9107.0	10230.4	12683.0
36679.2	13740.6	12263.4	13401.5	13471.9	12391.8	13665.6	11658.8	16986.3	14381.9	18396.1
39349.0	12033.1	10964.7	12221.8	12981.8	11834.0	12021.7	11142.9	16330.7	14756.6	17355.6
14605.6	7060.7	7681.0	9486.0	8586.0	7209.5	8702.3	7720.4	8356.3	7776.9	7896.2
1622.1	6158.5	6103.7	7378.3	9275.7	7376.4	6720.2	7773.9	5115.4	8483.7	9050.9
21097.1	9743.0	9540.4	10581.9	10298.3	10208.0	9458.6	9889.8	12793.4	10698.3	15903.9
10368.5	6638.1	5734.3	5881.1	6088.0	5981.8	4743.5	5680.4	6958.7	7127.7	8808.9
34355.0	11610.5	10925.1	11515.2	10721.4	10224.6	11177.0	10242.3	16286.5	12650.5	16921.0
14715.0	8270.5	8013.5	8787.9	9304.7	8664.8	7058.8	9411.1	8434.9	9360.3	13703.3
10694.2	7058.2	6305.1	7250.3	7618.5	7115.8	6220.7	6938.2	7199.0	4949.3	10487.3
22277.9	13927.8	12185.6	13287.3	12781.5	12715.8	12100.7	12022.2	17648.5	13467.8	17696.9
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13150.1	8220.9	7512.1	8403.6	9334.1	8512.7	6401.9	8440.3	8277.1	9679.5	12497.7
26442.9	10817.9	9974.3	11183.8	10741.4	10594.9	10675.0	10271.2	12964.4	9626.3	16116.1
17242.4	9025.4	8484.5	9012.3	9738.9	9128.0	7147.1	9586.6	9633.0	10218.8	14446.4
18581.4	10413.0	9565.2	10977.8	11180.2	10445.1	9110.6	10227.5	12391.5	11926.4	15146.9
28531.2	12593.4	11881.1	13708.0	13054.1	12198.9	13788.8	12272.7	16341.1	11695.9	19759.4
6677.1	7728.0	7049.1	7817.6	8448.7	8118.1	5924.3	8353.1	8496.3	7871.4	13201.5
24534.6	9820.9	8917.0	9687.7	9951.1	9356.7	9354.6	8903.7	10386.5	10733.3	12711.7
18422.3	11807.3	10146.5	10973.9	10469.4	10786.1	9445.7	10771.2	13991.2	9701.8	14160.7
8237.1	8651.7	7901.3	8879.6	9735.2	8775.3	6824.4	9356.9	8566.8	10701.4	13538.6
8058.9	10074.2	9144.7	10374.2	9943.7	9486.3	7993.6	9804.1	10031.3	9784.2	13364.7
13922.4	7395.6	6927.8	7417.3	8624.5	7750.0	5728.5	8055.9	7148.6	9233.7	12059.9
17050.6	9606.6	8690.3	9881.1	10625.3	9665.5	8544.1	9576.3	10779.3	9637.1	14845.4
20293.5	8996.2	8455.4	9201.4	9611.3	9233.7	7283.9	9546.7	9855.5	10640.7	14578.9
9372.4	7476.2	7383.3	7596.6	7361.6	7339.9	6835.3	7414.6	7487.7	7428.3	10655.8
8314.4	10670.1	9827.0	10794.5	10942.5	10269.8	8449.8	10540.2	10556.8	11025.2	13747.6
17951.3	10932.7	9471.9	10589.6	11508.8	10781.3	8764.2	10372.1	11035.7	11453.9	15795.3

8278.4	7927.6	5293.7
9740.8	7070.9	5594.6
12441.9	12101.4	10069.4
9331.9	6393.0	4345.1
10180.7	8270.3	6350.7
10575.0	9722.6	7351.6
10074.6	7196.4	5112.9
9299.9	7406.3	5395.5
10278.3	7706.0	5861.7
10115.8	9477.4	7159.5
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7706.6	6559.3	4324.9
9935.1	7214.2	5244.1
10970.1	12942.4	11861.2
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10284.5	9662.0	7440.5
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10115.8	12267.3	9534.3
9579.7	6892.5	5066.8
6724.6	5661.7	5533.9
12357.6	11555.2	9738.4
9995.5	8952.3	7286.7
9807.4	6813.4	4426.8
9923.0	10890.4	8328.4
9907.6	7143.5	4785.9
10595.8	9197.6	7361.0
12305.7	11984.0	9962.2
8403.0	7127.6	4980.4
9295.1	8958.8	7022.1
10907.1	9884.2	7036.7
9264.3	7263.9	4994.2
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8674.2	6096.2	3796.2
9659.0	8147.7	6635.0
9999.9	7511.5	5232.0
7124.2	7022.5	5222.9
11055.5	8330.3	6973.9
11546.0	8494.9	6371.6

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GQ023651.1 gg_id:486018 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023
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GQ085368.1 gg_id:468029 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw274f03c GQ085
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GQ105738.1 gg_id:416564 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
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GQ024492.1 gg_id:485178 Topographical and Temporal Human Skin Microbiome skin palm clone nbw123a02c1 GQ024
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GQ092641.1 gg_id:441412 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl GQ092

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12404.8	8793.1	8208.1	9228.0	10312.1	9418.0	7311.0	9419.5	9862.5	10106.3	13862.9
20280.4	10541.4	9741.2	10683.2	10313.5	9874.1	11164.7	9170.6	12383.8	12242.8	15772.3
11918.2	5065.5	5244.6	6269.6	6019.8	5506.6	4400.6	5637.4	4345.6	5795.4	7339.3
7799.9	10012.7	9216.6	10705.3	11276.5	10090.7	8311.9	10627.6	10542.3	11765.4	15012.4
15720.7	10877.4	10320.5	11431.1	10417.9	9996.4	8743.3	10568.4	11202.5	10721.4	15884.3
31732.0	11812.1	11712.7	11684.4	11884.1	12128.4	11545.7	10560.1	13945.5	15742.2	16662.2
14751.3	7946.0	7508.3	8191.0	8308.8	8054.2	6789.6	7347.9	8594.6	7829.7	12180.6
27018.4	12018.9	10996.4	12161.1	13027.7	12055.4	11882.0	11257.9	13259.5	14752.6	16660.5
13006.1	12222.3	11177.3	10798.2	11104.5	10328.4	8458.8	10845.4	11276.8	11658.3	16058.1
14028.3	9856.2	8901.0	9964.3	9845.2	9657.1	7552.2	10728.3	11031.7	9817.1	15090.6
32502.4	10361.6	10340.7	12347.1	11247.1	10605.7	10472.3	11055.9	11643.6	13281.0	17822.9
11158.0	8219.8	7911.2	8577.2	7550.5	8353.2	6546.4	8064.2	10081.7	7162.7	12939.0
16106.3	9281.7	7991.2	8173.8	9225.6	8666.5	6211.1	9311.8	8961.6	10028.7	13623.7
23412.1	9621.6	8995.5	10036.9	10416.1	9692.8	9258.5	10196.8	9640.9	9722.0	13807.3
15494.0	8550.7	8472.6	9290.9	9004.0	8925.9	7116.2	9230.3	9185.0	10136.2	12924.5
18576.3	8362.0	7533.3	8145.3	7326.9	7647.2	7907.1	7374.1	9976.8	7523.4	12440.1
10722.4	8311.4	6800.3	7614.8	8621.7	7837.1	5844.8	7874.7	6985.5	8442.8	11372.7
30186.4	8814.9	7965.2	8801.3	9141.8	8745.7	8005.5	8740.6	11368.5	10425.7	13113.3
4316.5	7042.3	5916.7	6703.3	7688.8	7265.7	4863.1	6906.3	6071.9	6522.7	8998.7
7090.2	9926.8	9320.1	10396.7	11328.7	10219.1	9000.9	10063.4	11623.7	12094.3	15615.5
11316.8	7722.9	8018.5	8881.5	9231.3	9366.1	6600.1	8279.0	7067.9	10510.0	13182.1
39379.9	10173.9	9689.5	10245.6	9523.4	9825.5	9811.4	9371.6	13999.1	11351.8	15123.5
2475.4	10171.4	10094.6	11143.9	10986.5	10536.6	8612.9	10414.7	10772.6	11411.8	12877.9
5766.4	5717.5	5510.6	5775.0	6255.3	6134.5	4141.0	5987.0	5163.4	6233.5	7272.6
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10845.9	7637.2	6640.6	7556.6	7807.9	7559.6	6166.1	6994.7	8931.0	7414.9	11971.3
14383.7	11959.9	10268.1	11109.7	10411.4	11044.1	9609.2	10148.4	13253.0	9693.5	16044.8
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12391.0	10178.2	9712.5	10334.6	10848.6	10079.4	8966.4	10256.5	11378.3	12037.4	16284.3
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5588.9	8241.5	7671.3	8167.2	8711.0	8625.8	6185.6	8232.5	8618.1	8801.7	12698.7
15693.2	8305.3	7701.5	8170.5	8915.1	8591.5	6724.4	8655.5	8493.6	10190.6	13146.2
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13843.5	7880.3	7515.5	8220.9	8937.0	8247.1	6871.9	8456.9	9710.9	8914.9	12470.3

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3269.8	2274.7	923.3
8255.9	7726.4	5252.3
9009.6	8131.7	4849.1
8662.3	6653.6	4495.0
9114.5	7042.6	4902.1
8827.1	9019.6	6983.9
8454.0	7577.9	5082.8

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GQ091995.1 gg_id:387528 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw40 GQ091
GQ102140.1 gg_id:400863 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw561e1 GQ102
GQ038056.1 gg_id:376214 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu37 GQ038
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3007.2	9889.7	8898.5	10027.0	10662.3	9905.5	7639.6	9796.1	9776.7	11108.2	13196.4
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GQ109068.1 gg_id:449984 Topographical and Temporal Human Skin Microbiome skin palm clone nbw608b03c GQ109
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GQ072812.1 gg_id:421933 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw201e02c GQ072
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GQ105351.1 gg_id:459765 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105

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16681.6	6782.4	6081.5	6521.7	6994.5	6926.3	4678.3	6677.4	7108.8	6393.4	10511.0
29281.5	11355.7	10325.8	11149.0	10684.0	10496.1	10399.8	10193.4	12991.6	13185.4	17483.8
16603.7	8167.7	7113.5	8360.3	8093.9	7396.4	7852.4	6763.4	10958.1	6830.0	13317.5
14512.9	7945.5	7974.0	8967.4	9185.5	8383.4	7496.3	8288.1	9071.7	8868.4	12689.0
11347.1	8831.8	8018.5	8881.5	10402.8	9366.1	6600.1	9486.7	8155.6	10510.0	13182.1
14368.8	7918.5	7551.1	8209.6	9284.1	8120.4	6728.4	8521.6	7409.5	9958.6	12796.1
49597.7	12996.1	12042.3	12594.4	12278.6	12190.9	12315.3	11542.0	18312.4	14205.6	18331.6
34673.3	12328.0	11068.3	12446.6	11635.2	11437.5	12721.9	10572.0	14724.7	10408.0	17325.7
13634.9	7392.2	6918.2	7397.5	8263.2	7708.6	6125.1	7471.2	7989.4	8434.3	11339.1
22023.8	10484.6	9543.7	10136.5	11335.2	10275.9	8785.8	10705.7	11710.1	12177.8	14942.0
13785.0	9959.7	8910.7	9517.0	9459.9	9526.6	7912.8	9687.0	11202.7	9150.0	14713.5
37095.2	14399.9	12568.6	13293.0	12637.1	12299.6	12870.1	12439.2	16604.1	13734.1	21128.2
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16969.0	10633.9	9571.8	10259.1	10523.7	9439.8	11184.1	8931.2	13361.4	8513.0	15209.4
14298.8	10013.0	9271.0	10858.4	10415.3	9511.3	8790.7	9147.9	11689.8	9207.3	14401.7
7429.0	6674.1	5966.8	6302.4	5723.2	5919.7	4329.0	6153.0	6425.6	4443.1	10485.8
6194.0	8878.2	8390.6	9555.3	10203.3	9635.0	7322.4	9483.1	8892.2	10626.0	12969.5
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13780.3	9769.5	9420.1	10178.8	11348.3	9833.3	8912.2	10309.4	11372.9	12735.6	15966.3
42272.3	16018.4	14110.1	15607.0	14749.5	15204.8	16122.0	14247.3	21529.6	19055.8	23496.5
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11118.4	8294.3	6445.4
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9742.8	9608.7	9115.7
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9656.9	7306.3	6123.5
7620.9	6489.0	4747.7
9187.5	6531.6	4766.4
9475.7	7084.9	4851.6
9311.6	7459.8	5031.9
10069.7	10043.6	7901.0
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13920.1	15254.1	12580.4
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13998.8	11599.9	10321.6
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7411.0	7006.3	4401.6
8125.6	6249.8	4222.9

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9660.8	8626.0	5946.3
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GQ008393.1 gg_id:501272 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
GQ060048.1 gg_id:442061 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
GQ025188.1 gg_id:375112 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1 GQ025
GQ111806.1 gg_id:455149 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw668f08 GQ111
GQ023357.1 gg_id:486312 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu317d08 GQ023
GQ095852.1 gg_id:395840 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ095

12262.6	7019.4	6776.4	7610.7	7812.0	7547.5	5409.6	7699.7	7151.0	8139.7	11154.5
31305.3	13990.8	12614.7	13332.2	12970.3	13060.7	12368.7	12538.9	17660.0	11821.9	21055.9
2231.0	10328.7	9642.3	10275.3	8529.4	9621.8	8397.2	8832.4	10412.5	7508.9	12176.2
8907.0	11624.6	11238.7	12495.0	13259.7	11541.7	10231.8	12089.9	12917.2	14601.1	15972.7
4006.7	7318.1	6285.5	6697.4	6116.6	6419.0	5268.1	5328.7	7263.6	5552.8	8684.2
18564.5	10175.0	10020.7	10136.4	10916.0	10242.7	8555.9	11122.3	11192.7	11343.7	17120.8
9712.7	7520.9	6501.0	6711.8	7121.0	7067.6	5935.4	6623.6	7355.8	8670.2	11553.1
1114.6	5369.4	4661.1	4983.3	3753.8	5005.9	3247.2	4262.1	5852.3	3379.1	7661.7
6808.1	10141.0	9290.9	9964.9	10182.1	9765.8	7605.1	9989.1	9531.3	11051.3	13865.2
10593.7	8897.4	7934.0	8708.5	7867.9	8733.8	7063.5	8211.9	11389.2	9613.7	13733.5
14399.7	8132.7	7345.7	8126.1	9017.5	8333.8	6101.5	8459.5	7628.1	9154.3	12156.1
19346.9	9761.3	9089.2	9851.5	10469.1	9768.6	7709.7	10449.9	10530.3	11693.8	15647.9
17465.8	8029.1	7593.2	8297.8	8979.0	8458.7	6967.5	8240.2	9845.7	10017.4	12680.8
20236.7	13354.1	12185.7	12898.7	13103.0	12298.6	12471.0	11356.0	13200.1	13110.2	17064.8
16403.1	13733.9	12042.6	11762.1	12116.6	12425.4	11147.1	11994.2	14425.4	12799.5	19345.4
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6826.4	10184.4	9234.4	10456.7	10852.8	9759.7	8141.7	10354.8	10459.7	11539.9	13923.1
12135.7	8067.0	7778.9	8431.7	8837.7	8563.7	5921.7	9180.2	8560.5	10634.3	12671.1
5602.6	7169.6	6836.5	7844.1	8279.0	7859.1	5906.8	7685.4	6948.8	8397.4	10838.5
17690.9	8211.9	7540.7	8261.7	8369.3	8381.7	6620.9	8781.9	8929.4	10053.2	12736.9
15515.3	9224.4	8284.8	8604.7	9654.4	9032.7	6822.4	9331.9	9501.3	11379.5	13606.7
7298.0	7866.9	8068.6	8534.0	10094.3	8768.2	7210.2	8913.4	7567.2	11502.9	12624.3
3203.5	9135.3	7600.2	8436.3	10142.1	9309.6	6613.8	8272.5	9604.7	10295.3	11012.8
19249.5	7989.2	7567.9	7784.4	7081.3	6967.3	7305.2	6679.8	8829.9	6842.1	11467.8
14431.0	7248.2	6703.6	7277.9	7375.9	7639.3	6088.4	7214.7	7281.6	6815.7	10725.1
24111.5	8688.1	8654.2	9292.6	10076.8	8399.5	9386.8	8593.3	10169.5	11546.8	11455.3
34954.9	9555.7	8518.7	9213.3	10094.7	9522.1	8083.0	9511.5	11172.5	10536.4	14920.2
17163.4	7707.5	7139.5	8255.7	8451.0	7332.3	7850.3	6995.8	10481.2	9015.5	13818.8
8532.9	9405.0	8085.3	8766.8	10107.2	9075.6	6807.2	9260.9	8428.9	11190.8	12989.5
26353.4	10860.1	9886.7	11422.6	9605.5	10166.0	10389.4	9363.5	14555.7	11954.2	17273.4
23213.5	13186.5	11743.3	12993.8	12054.7	12630.3	12838.1	11218.5	17509.6	11655.8	20100.4
1153.1	4839.7	3891.8	4713.8	3567.0	4933.6	2768.5	3923.3	5606.5	3371.0	5081.8
9763.0	9869.6	9292.6	10304.3	9287.3	9576.3	8764.9	9578.7	8933.7	8368.2	12251.9
27768.1	12483.5	11417.5	12994.4	12329.5	12547.7	12276.9	12074.6	14669.0	11039.9	18070.4
4878.0	10673.0	8883.7	9658.2	8439.2	8803.1	8394.5	8493.7	8541.4	8161.5	9913.5
9208.9	7674.3	7096.8	7925.2	8229.5	8042.8	6246.8	8382.9	8028.2	6922.3	11933.2
12957.0	7754.7	7342.1	7626.8	8508.4	7990.1	6203.8	8389.1	7689.2	8907.2	12617.8
26191.2	3611.3	3999.2	4629.8	5581.5	4121.3	3068.6	4833.1	3073.5	4174.9	5634.6
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12619.5	7467.7	7259.1	7930.1	8891.7	8044.6	6152.0	8260.0	7153.5	9275.4	12249.9
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7739.4	5630.0	4243.9
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9935.4	7622.5	5629.3
8511.4	7754.9	5473.6
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11075.6	7794.8	6028.4
9616.8	6816.3	4865.3
7839.2	5817.1	4899.7
9294.4	6864.6	4716.0
9791.2	7231.2	5215.3
10069.7	6984.6	4896.3
9537.8	6616.7	5420.3
7105.9	8106.8	5213.2
7301.4	6384.2	4584.4
9162.8	9746.1	7251.0
9994.8	8941.5	6363.8
7457.2	8463.9	6625.5
9637.2	7624.2	5097.8
9688.6	11102.3	8842.7
11334.4	14024.2	10227.7
3483.5	5199.9	1918.4
8992.2	8617.0	7345.4
11312.5	11730.6	10906.1
7669.3	7884.9	8442.9
8203.6	6423.4	4974.2
8672.0	5999.5	4069.9
5553.0	3538.8	1486.8
7329.6	5349.5	3504.9
8916.3	6525.9	4592.5
8461.4	6672.0	4403.1

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GQ105791.1 gg_id:375555 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ023229.1 gg_id:486440 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu2 GQ023
GQ104447.1 gg_id:435787 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ104
GQ022371.1 gg_id:487298 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31 GQ022
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GQ102477.1 gg_id:431344 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
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GQ110993.1 gg_id:432141 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw GQ110
GQ008607.1 gg_id:501058 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ008
GQ038795.1 gg_id:383791 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu523c02 GQ038
GQ008320.1 gg_id:501344 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw1 GQ008
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GQ090650.1 gg_id:434803 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ090
GQ096206.1 gg_id:393005 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw4 GQ096
GQ108807.1 gg_id:484502 Topographical and Temporal Human Skin Microbiome skin palm clone nbw717h02c1 GQ108
GQ060019.1 gg_id:438851 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
GQ113818.1 gg_id:411242 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ113
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GQ048277.1 gg_id:419324 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ048
GQ069205.1 gg_id:375233 Topographical and Temporal Human Skin Microbiome skin back clone nbw240e09c1 GQ069

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8535.8	11211.4	10305.1	10794.4	11368.8	10764.1	9602.9	10469.9	10786.5	11554.9	13811.3
16480.2	7385.9	6803.2	7056.8	8396.4	7583.6	5612.8	7815.0	7035.7	9513.8	11166.9
7481.9	7297.6	7173.2	8388.7	8878.4	7625.3	7625.9	7648.6	8415.3	9795.2	11051.7
14660.5	8141.1	7677.4	8300.3	8851.9	8369.5	6430.6	8786.4	8394.0	9404.0	13364.2
1816.3	7752.4	6977.3	7943.0	8794.8	8390.5	6039.9	8401.2	8069.4	7838.0	12837.8
18789.7	7528.8	7110.1	7001.2	6779.5	6653.0	6925.1	6398.0	9354.4	8221.2	11241.3
6893.7	9542.9	8200.0	8891.7	9998.9	9458.6	6834.7	9192.7	9878.4	9723.9	12721.5
21312.9	9158.4	7968.7	9173.8	9714.4	9537.7	8352.9	8751.9	9462.5	8233.4	12558.4
16387.9	7699.7	7108.8	7843.5	8390.8	7477.0	6737.2	6991.4	8418.6	9102.6	12290.5
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16198.5	9907.6	9013.7	9856.0	10943.3	10019.9	8648.5	9650.1	11062.4	11100.7	15469.3
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17290.1	12502.4	12347.0	14203.2	15002.1	12795.8	14049.9	12011.4	14430.1	12369.4	16852.8
6436.4	11543.4	9480.5	10982.5	9851.3	9710.9	8312.3	8923.3	11558.2	8447.2	11572.4
20927.6	8199.2	7810.4	8523.8	9741.0	8618.8	7187.2	9046.6	9075.1	10386.9	13271.7
12803.1	8016.3	7254.7	8130.4	9050.8	8312.7	6202.8	8306.5	8128.7	9158.2	12138.3
28960.9	14061.9	13213.0	14079.2	13489.2	12845.4	12522.1	13287.7	22031.0	10280.0	18389.5
8366.0	10705.9	9627.6	10339.7	10499.8	10201.8	8003.0	10298.3	10562.5	11137.9	14727.7
25139.1	9866.3	8793.3	9734.6	10987.6	9933.4	8583.0	10097.0	10479.1	11606.6	15042.7
16227.8	8501.2	8113.7	8985.8	9398.4	8730.2	7284.1	9294.5	8151.5	9520.3	12829.6
8082.5	10162.5	9399.0	10534.2	11456.0	10115.8	8294.6	10450.3	10372.2	12253.0	13156.8
16725.9	9190.1	8666.8	9500.4	8876.9	9524.4	8140.9	9324.8	11530.9	8410.4	14086.3
6474.0	5825.3	4996.5	6682.0	9291.3	6095.0	8116.0	5685.0	5880.1	4570.7	7325.2
24382.4	9067.7	8704.9	9116.4	10101.2	9438.6	7547.5	9322.0	10336.8	11425.6	14101.1
12549.8	8483.8	7609.2	8351.0	7978.4	8809.1	6399.9	8049.3	10823.2	7307.4	13181.2
8033.3	6188.4	5928.8	6818.9	6635.4	6357.9	5722.9	6934.3	8389.3	6091.2	9802.1
28510.1	13285.5	12422.5	13138.6	12813.9	12229.4	12973.8	10750.2	16333.6	12677.5	18448.1
10517.1	5965.7	4932.0	6197.1	6516.9	6316.3	5184.0	5561.0	6584.8	6351.3	8866.4
36065.3	13760.6	12486.4	13837.1	13309.3	12771.2	13825.2	12433.8	16562.0	11335.0	20242.5
14997.8	8190.9	7966.2	8120.0	9503.2	8607.7	6388.1	9273.5	8203.7	10705.5	14788.8
11822.7	7469.2	7291.1	8723.6	8913.1	7905.9	6242.2	8478.9	7087.2	9129.8	11509.5
23370.2	11178.4	10200.2	10057.7	10400.3	10511.3	9286.3	10811.9	14304.1	10566.8	18074.8
8918.0	12332.1	11253.5	12670.2	12582.4	11649.3	10008.4	12218.0	13162.3	13389.8	16867.5
9007.1	8946.9	7930.9	8598.5	8463.2	8774.8	7187.7	8280.6	9729.1	8220.6	12736.9
6462.9	9646.5	8367.9	9226.5	9446.5	9534.9	6727.4	9284.6	9173.5	10052.4	12229.5
13604.8	6303.4	5837.4	6770.2	6526.4	6483.7	5847.0	5944.6	7752.5	7087.3	8702.5
4886.4	6221.7	5792.4	7167.1	6569.7	5712.7	5345.6	5552.5	6693.4	5325.4	9304.4
8108.9	11344.4	10672.1	12155.1	11588.2	10862.1	9335.7	11384.9	12326.3	12006.6	16343.4
22668.0	8481.6	7874.5	8623.5	9510.8	8504.2	7224.2	8876.2	9463.5	9637.5	13605.4

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9100.1	6511.5	4393.0
8613.4	7042.9	5208.6
6751.9	8160.9	5004.2
9725.2	6779.0	4766.2
9316.0	7318.2	5849.7
7959.7	7159.8	5141.4
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9256.8	9070.7	7630.6
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11480.0	13383.6	8991.7
11110.3	8132.9	5543.2
10699.7	8878.1	7396.7
9067.2	7107.5	5706.8
11486.1	8258.7	6907.1
8279.8	7651.3	5267.9
5865.7	6006.3	4977.3
10091.8	7979.1	5044.4
7704.3	7462.2	3842.2
6339.0	6243.0	4207.8
11113.5	12071.1	9846.3
5855.4	5506.1	4219.2
12175.5	14074.0	11692.4
9605.4	6578.8	4610.9
8921.0	6042.4	4741.3
10286.1	9077.7	5067.1
12840.6	9952.0	8303.0
8407.2	6992.8	4954.3
9148.5	6665.9	5574.0
5992.5	7011.5	4740.3
6248.4	6458.6	2758.4
11669.0	9101.0	7360.4
9382.8	7225.0	5369.6

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GQ045820.1 gg_id:377023 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ045
GQ022181.1 gg_id:487487 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
GQ102369.1 gg_id:419878 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
GQ007523.1 gg_id:502141 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ007
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GQ100754.1 gg_id:424830 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ100
GQ047543.1 gg_id:421363 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu5(GQ047
GQ092105.1 gg_id:423190 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw406b05(GQ092
GQ098137.1 gg_id:463018 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw40 GQ098
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GQ103750.1 gg_id:447744 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw700h0 GQ103
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GQ103968.1 gg_id:432933 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ103
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GQ105408.1 gg_id:372301 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
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GQ023892.1 gg_id:485777 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023

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17084.2	8960.9	8008.5	9267.2	10229.7	9548.4	7180.9	9566.5	9803.3	11358.5	14505.9
7467.9	9229.0	8597.4	9380.0	8644.5	8769.3	7919.3	8146.1	11035.0	10111.0	13907.9
22902.2	11868.1	11175.1	11409.4	11431.7	11104.8	10793.4	11061.8	13606.9	9925.8	17783.4
14776.9	7954.8	7790.3	8870.6	7968.3	8142.4	6660.0	8494.2	8659.5	9011.8	12541.6
7831.0	5593.1	5342.6	6715.1	6270.8	5793.5	5292.6	5675.7	6716.6	7496.8	9929.8
8210.8	10880.7	10088.7	10898.3	10286.2	10210.3	8346.2	10389.4	10575.0	10818.0	14717.7
25384.0	9960.1	8943.7	9906.0	9231.3	9989.4	8504.9	8540.5	12911.7	10433.2	15220.3
7834.2	10132.6	9402.4	10849.2	11495.0	10305.9	8446.0	10689.8	10669.0	12008.8	15019.5
48341.2	15296.4	14467.0	16284.6	16029.7	14798.8	16143.6	13681.7	22666.1	18134.2	22568.6
16330.3	10933.4	10886.1	11544.8	12263.0	11051.9	10001.3	11860.8	11711.0	13818.7	16759.1
17664.8	8638.9	8136.4	8931.6	9244.0	8788.0	7964.8	8502.0	8108.8	10389.7	11076.6
10275.6	9568.0	8860.7	9857.7	9940.7	9409.0	7642.9	9648.7	8937.1	11049.0	14710.7
12345.7	9124.3	7896.8	9334.0	8970.6	8821.2	7035.0	9375.3	10088.8	8829.6	14713.1
4826.3	6848.7	7176.1	8681.3	8629.5	7217.0	5354.2	7321.2	7627.0	6754.5	11376.5
14159.2	8975.0	8133.6	8928.6	9437.3	9243.5	6969.1	9028.6	9511.1	10234.3	14061.4
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9892.1	6895.7	5607.0	6458.1	6873.9	6933.3	5745.8	5890.3	6942.4	6487.4	9826.7
14144.1	9513.4	8459.2	9354.2	9836.7	9156.7	7168.5	9808.9	9052.6	9846.0	14547.5
18747.6	10928.6	10235.7	11395.1	12747.0	12012.7	10084.5	11608.2	12910.9	14036.2	14865.0
26843.8	8781.0	8244.4	9537.4	10203.0	9322.8	8147.9	9554.5	9388.2	9481.6	13077.4
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17225.0	9265.8	8464.9	8854.0	10028.1	9108.1	6902.0	9200.9	8723.7	10662.9	12802.7
24486.7	8439.4	8102.4	9937.6	9861.6	9537.7	8595.4	8653.4	11272.8	12006.0	13483.8
13642.2	7962.0	7492.1	8126.0	8243.7	7764.9	7046.6	7511.1	9653.1	9328.8	12812.1
16839.9	6322.7	5632.4	5927.9	6900.4	6221.3	4538.2	6328.3	6405.6	7878.5	10483.1
4125.8	11321.2	10726.4	11926.8	11332.9	11026.4	9614.1	10958.0	11444.7	11224.6	13618.8
18186.6	11213.4	10351.2	11518.3	12638.1	11024.5	9290.2	11755.6	12248.7	13031.1	16976.4
22448.3	9333.8	8186.3	8933.9	10009.1	9053.3	7216.4	9600.1	9983.7	10407.8	14053.5
22395.1	11436.3	10008.6	11318.5	10878.4	11429.7	10121.6	9752.1	14270.2	12433.7	16139.4
14931.6	8254.6	7756.2	8308.2	9037.7	8518.4	6544.9	9066.2	9219.3	10118.9	13537.1
7816.8	7366.6	7094.3	7542.0	8951.2	8113.8	5735.7	8290.6	7247.2	8983.2	13814.9
8492.7	12538.8	11788.9	13224.6	13329.6	11942.4	10985.5	12229.9	13704.5	15129.6	17619.5
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11636.1	10252.3	10417.5	11374.8	11455.6	10755.7	10362.2	11140.8	9693.1	12187.3	14115.1
26511.4	12332.5	11483.4	11870.9	11168.9	11470.5	11364.0	10835.3	15285.5	12533.6	18335.1
17058.7	8588.4	7484.3	8793.2	8533.8	8526.6	7316.7	8050.8	9172.1	7890.9	13058.2
13815.6	7896.6	7545.6	8203.0	9048.5	8278.0	6603.1	8764.0	7910.0	8839.8	12804.9
10357.4	7997.0	6917.2	7531.9	8892.2	7936.9	5824.0	8228.9	7096.5	8496.2	11401.3
13869.6	8709.8	8030.7	9101.9	9988.1	9073.5	7428.6	9099.3	8251.8	9802.5	12535.9
9669.0	7177.6	6644.0	7449.2	7657.5	7311.4	5984.3	7508.9	8520.0	6776.6	11025.4

7843.5	7663.6	5495.9
9922.9	7938.5	5537.1
8327.7	9005.6	6626.7
10526.9	11507.8	8316.1
8477.2	6432.2	5048.7
6245.9	5234.9	4605.3
10970.9	8429.3	6384.7
8739.6	9753.2	7041.5
11734.0	8468.1	6371.6
14677.9	14789.2	13515.3
12402.9	10176.9	7612.7
9208.9	7890.5	6371.5
10803.3	8305.2	5907.2
9301.7	6262.1	4383.6
7021.8	7249.6	3525.7
9566.0	7407.2	5147.9
10339.9	7545.5	5274.2
6560.9	5682.4	4231.8
10037.2	7635.1	4772.2
13802.9	10415.0	7151.8
9752.0	8589.8	7437.1
10383.1	11728.9	8747.3
10078.0	7513.0	5085.5
8762.2	9628.9	7731.5
7442.3	7877.2	5457.1
7021.2	5259.4	3189.5
10994.7	9742.1	7874.2
12569.5	9168.8	6690.4
9936.7	7212.5	4837.5
10699.0	9962.1	8220.7
9309.4	6761.7	4707.8
8707.6	6348.0	4546.9
13294.4	10419.3	8948.3
11145.6	9180.2	7475.2
12575.2	9999.4	9580.5
10982.7	12530.8	9098.3
8814.0	7623.0	5454.7
9027.3	6489.0	4521.9
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GQ060018.1 gg_id:393161 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
GQ021439.1 gg_id:488229 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27 GQ021
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GQ113850.1 gg_id:425541 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw(GQ113
GQ008407.1 gg_id:501258 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw: GQ008
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9915.6	9631.0	9869.7	11012.5	8695.6	9643.9	9466.4	8699.8	13573.0	11324.9	13327.5
13595.7	9701.4	7789.8	7631.0	7115.2	8173.3	6915.8	7622.6	8469.4	6486.5	10773.5
10951.1	9337.5	10813.7	9244.9	9499.5	9008.7	7651.4	9620.3	10607.5	9852.1	15357.7
10420.4	6851.1	6199.9	6840.7	8148.8	7277.7	5478.9	7373.3	7384.0	8236.6	10301.8
24661.8	10384.1	9098.2	9940.3	10454.8	9852.3	9078.6	9753.9	13034.1	11661.1	14543.2
21112.5	6902.2	6655.1	6573.1	5858.1	6249.2	5710.8	6091.6	7527.0	7101.7	10244.8
28569.7	11355.6	10641.1	10568.5	10556.1	10656.9	10555.5	11334.4	13257.3	12738.3	19602.7
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8389.9	11520.0	10714.6	11810.3	11955.6	10987.6	9339.1	11491.0	12029.0	12547.6	15158.5
17948.4	9148.7	8805.1	8895.3	10139.7	9305.8	7430.7	9826.0	9864.8	11241.6	15787.9
15487.6	7829.4	7552.1	8345.7	8510.3	8060.5	6548.7	8441.6	8786.9	8919.4	11323.3
44133.2	15039.4	13741.1	15074.7	14563.8	13992.8	14614.8	14106.1	19448.6	18425.2	22839.2
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13715.3	10616.1	8730.4	8837.2	9861.9	9512.9	6886.7	9583.5	10685.4	10139.5	12577.3
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GQ108384.1 gg_id:394893 Topographical and Temporal Human Skin Microbiome skin palm clone nbw606a05c1 GQ108
GQ113967.1 gg_id:431063 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ113
GQ045556.1 gg_id:384605 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ045
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AY780907.1 gg_id:142675 Giesbergeria kuznetsovii str. 412 AY780
AM922191.1 gg_id:249731 Hydrogenophaga palleronii Sulf-946 AM922
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AF019073.1 gg_id:6949 Hydrogenophaga palleronii str. DSM 63 AF019
FJ612327.1 gg_id:584580 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.1.28 FJ6123
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FM204951.1 gg_id:542160 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
EU130955.1 gg_id:236660 Hydrogenophaga sp. BAC57 EU130
NR_028716.1 gg_id:584669 Hydrogenophaga taeniospiralis str. 2K1; ATCC 49743 NR_02
DQ861288.1 gg_id:167427 Hylemonella gracilis ZL DQ861
GQ103759.1 gg_id:386391 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ103
FM178810.1 gg_id:307150 Monitoring abundance and expression 'dehalococcoides' species chloroethene-redu FM178
EF063629.1 gg_id:176635 Microbial ecology autotrophic anaerobic denitrifying UASB reactor clone R1Cb86 EF0636
EU882843.1 gg_id:338208 Ottowia sp. str. RB1-10B EU8828
AY081982.1 gg_id:68619 atrazine-catabolizing microbial presence methanol clone KRA30+15 AY0819
EU464751.1 gg_id:300229 Hartmann's mountain zebra feces clone AFZEB_aaj70b10 EU4647
CU927648.1 gg_id:564787 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU927
FJ167470.1 gg_id:324457 microbiology granular sludge under autotrophic mixotrophic and heterotrophic denit FJ1674
CU919583.1 gg_id:541370 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU919
GU455142.1 gg_id:530933 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU455

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70776.1	17275.8	15751.7	17102.5	17199.4	15695.7	16495.0	16154.5	24307.6	20787.7	25468.9
6011.4	8772.7	8453.5	9873.3	9732.1	8945.4	7368.0	9551.0	8123.2	9836.6	12728.9
16349.4	9312.1	9013.0	9939.3	10524.3	9539.1	8679.1	9620.8	11074.3	11159.9	15252.1
32651.2	11581.6	10666.9	11377.9	11316.8	11111.8	10380.3	10560.6	14405.7	12943.6	16549.6
7400.7	9592.6	8817.7	9664.6	9780.6	9426.6	7357.0	9392.2	9002.6	10618.3	12711.7
52536.0	15536.3	14264.0	15109.0	14527.6	14168.6	14567.9	13679.8	21211.7	16972.4	22500.2
14107.2	7419.5	6175.0	7581.9	7341.7	6257.0	6690.4	6003.6	8972.8	7545.7	10742.1
5892.5	8021.6	9296.2	11381.3	10320.1	8730.4	7626.0	10478.3	8987.6	9200.4	15702.8
21165.0	8980.1	8538.1	9368.5	10095.7	9111.1	7783.9	9837.2	9683.8	10503.2	15343.7
40367.5	11191.8	11385.8	12445.1	11119.8	11088.6	11709.9	11192.7	17300.0	12236.2	18410.9
25342.3	8183.6	7241.8	7926.9	8652.3	7863.9	7070.4	7526.6	10129.8	8792.4	11793.7
18118.4	7534.2	7079.6	7394.3	6762.9	6918.6	5843.0	6933.0	8904.1	7422.3	14337.3
10877.5	14051.3	10812.6	10577.9	9961.7	10218.9	8678.4	9815.8	11284.7	13948.6	12340.1
7221.0	9882.3	8832.4	10166.4	9784.5	9436.1	7398.5	9745.4	9781.4	9658.6	13527.5
10498.5	7408.1	6437.8	7272.7	8037.1	7664.5	5944.0	6993.2	7138.2	7153.2	10704.7
14339.8	8306.1	7699.2	8219.4	8835.3	8424.8	6415.5	9198.9	8518.9	9792.6	13377.9
8315.4	11482.0	10639.3	10217.3	10685.4	10862.6	7898.1	10862.1	11337.3	11618.7	16812.0
6346.5	8422.1	7926.4	9644.5	9689.6	8781.5	6967.5	9370.4	8751.0	9429.3	12967.1
17945.8	9340.8	8675.4	9771.3	9072.6	9048.9	8775.5	8776.1	11563.9	11033.1	14479.7
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14954.2	10315.4	9345.8	9458.1	9621.1	9483.4	9260.3	9622.9	8974.1	6857.9	12875.9
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11602.8	11808.5	10800.7	12601.8	10889.4	10601.1	10204.1	10969.2	12720.5	12637.0	14872.3
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8108.0	8144.5	5169.5
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7779.5	6531.4	4537.9
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12782.7	10007.1	8226.4
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g__Malikia
g__Malikia
g__Pelomonas

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s__unclassified	17287
s__Pelomonas aquatica	11895

CU920132.1 gg_id:567828 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU920
CU926935.1 gg_id:543300 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU926
AY512827.1 gg_id:106787 Acidovorax avenae str. S19n AY512
AY379977.1 gg_id:97627 Acidovorax sp. str. AHL 5 AY379
FM178827.1 gg_id:332615 Monitoring abundance and expression 'dehalococcoides' species chloroethene-redu FM178
CU920294.1 gg_id:542956 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU920
NR_029001.1 gg_id:568325 Ottowia thiooxydans str. K11; DSM 14619 NR_02
AY291121.1 gg_id:99960 Lampropedia hyalina str. ATCC 43383 AY291
DQ054782.1 gg_id:137154 dog bite wound on cheek 2 year old boy DQ054
EU801615.1 gg_id:348067 It's all ranking aquatic Chesapeake Bay MD clone 3C002955 EU801
EU801564.1 gg_id:356256 It's all ranking aquatic Chesapeake Bay MD clone 3C002888 EU801
EU800320.1 gg_id:305174 It's all ranking aquatic Delaware Bay NJ clone 2C228369 EU800
EU800970.1 gg_id:335155 It's all ranking aquatic Delaware Bay NJ clone 2C229239 EU800
EU800733.1 gg_id:321700 It's all ranking aquatic Delaware Bay NJ clone 2C228912 EU800
AY662014.1 gg_id:137421 uranium-contaminated groundwater clone 300I-B10 AY662
EU800384.1 gg_id:305775 It's all ranking aquatic Delaware Bay NJ clone 2C228462 EU800
DQ234121.2 gg_id:143875 determined library mangrove clone DS037 DQ234
EF121352.1 gg_id:206051 microbiota uninfected and Rickettsia-infected colonized cat fleas Ctenocephalides fel EF1213
EU800631.1 gg_id:346376 It's all ranking aquatic Delaware Bay NJ clone 2C228791 EU800
EU801033.1 gg_id:330659 It's all ranking aquatic Delaware Bay NJ clone 2C229327 EU801
FN428768.1 gg_id:535518 Looking India metagenomic approach Mahananda river water clone MRM1022 FN428
AM849433.1 gg_id:236107 Seasonality Piburger See clone PIB-22 AM849
EU801768.1 gg_id:314723 It's all ranking aquatic Chesapeake Bay MD clone 3C003139 EU801
EU801726.1 gg_id:332065 It's all ranking aquatic Chesapeake Bay MD clone 3C003089 EU801
FJ612396.1 gg_id:582407 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.4.1 FJ6123
FN428758.1 gg_id:567530 Looking India metagenomic approach Mahananda river water clone MRA2012 FN428
EU801561.1 gg_id:332569 It's all ranking aquatic Chesapeake Bay MD clone 3C002885 EU801
EU800965.1 gg_id:328912 It's all ranking aquatic Delaware Bay NJ clone 2C229230 EU800
AY947947.1 gg_id:141740 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY947
AY792257.1 gg_id:124653 Humic Lake clone CrystalBog021H12 AY792
DQ501305.1 gg_id:195239 Seasonal dynamics free-living and particle- four lakes northeastern Germany freshw DQ501
EU801645.1 gg_id:341378 It's all ranking aquatic Chesapeake Bay MD clone 3C002991 EU801
AY948061.1 gg_id:141397 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl AY948
EU800346.1 gg_id:310935 It's all ranking aquatic Delaware Bay NJ clone 2C228402 EU800
FJ612165.1 gg_id:512885 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP3.4.43 FJ6121
AM849435.1 gg_id:243487 Seasonality Piburger See clone PIB-24 AM849
EF667919.1 gg_id:250266 Long-term maintenance species-specific microbiota basal metazoan Hydra epitheliun EF6679
EF667927.1 gg_id:245084 Long-term maintenance species-specific microbiota basal metazoan Hydra epitheliun EF6679
FJ612313.1 gg_id:533183 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.1.5 FJ6123
AY863096.1 gg_id:112283 wastewater treatment pool clone SXAU059 AY863
AM501437.1 gg_id:240464 Pelomonas aquatica str. CCUG52631 AM501

5976.4	8733.3	7624.8	8404.0	6229.1	7018.5	4460.3	6446.0	9420.5	5168.0	9755.4
11637.2	12164.3	11297.1	13204.6	12409.8	11795.7	11362.4	11610.4	17217.3	10170.3	18701.9
11490.8	5581.4	4590.1	4052.8	5944.9	5435.4	4820.5	4528.2	4031.9	4831.4	6663.9
2164.8	6970.8	5759.3	5377.6	8861.6	7562.7	7351.9	6373.0	6016.4	3880.6	10666.2
9897.5	11642.9	10473.0	10346.7	10191.4	10702.3	8656.1	9715.2	12546.9	7421.2	12195.1
2447.3	5706.8	4989.1	4770.7	4816.9	5731.7	4960.8	5155.9	6230.7	1535.3	3853.7
12012.6	7391.9	6569.1	6255.3	7908.6	8917.4	4627.9	5965.7	8830.8	8736.6	10794.7
2870.2	11524.5	11028.2	11186.0	9814.7	10870.6	8534.2	10330.5	11668.2	8065.1	14129.1
2189.5	7810.9	6523.7	6437.5	6786.9	6660.0	5831.7	6462.1	4795.7	5980.3	7214.5
3073.2	9768.0	7954.7	5327.9	4316.8	9548.4	3411.7	6655.8	10735.2	3473.3	6037.9
1701.9	12392.7	8693.9	7492.8	5778.7	11882.9	4691.4	7981.6	15368.9	5308.9	7895.2
4637.6	15962.1	12218.7	8700.6	6848.8	14417.7	4957.5	9559.2	20592.1	5334.3	9722.5
1241.9	15645.8	10398.8	6729.5	4978.2	13950.6	3858.2	8772.3	20214.5	4221.2	9506.1
636.1	14902.7	11194.9	8628.2	6660.9	13520.9	6415.7	10041.8	18099.8	4599.6	11523.7
1292.4	13567.0	10682.6	4539.0	3069.5	12857.9	2583.7	8618.5	16554.3	4194.1	8392.4
1714.3	13383.9	11182.1	7293.2	7285.0	11538.8	4521.2	8816.9	13918.1	4428.0	8797.2
1187.6	12660.3	10110.5	10109.3	7800.6	12759.6	7774.4	9257.8	15055.1	6485.6	10714.7
14349.0	13021.7	12120.7	13227.4	11891.6	10728.0	8807.2	12304.5	14138.7	8906.9	15341.4
3254.9	7692.3	6332.4	8471.7	6641.2	6863.5	6345.0	6767.4	9165.2	3260.0	8246.0
3977.8	16225.5	12768.2	9566.2	6650.3	14995.4	5839.0	11108.4	20836.3	4687.9	13192.0
8979.7	16997.6	13461.8	13792.3	13718.8	15490.2	11453.0	13101.0	18737.5	10038.1	20047.0
1728.7	12888.7	11101.1	11836.4	10839.2	11053.6	10836.2	10420.9	14349.7	6028.2	9761.5
5563.0	10446.8	8967.1	9495.1	9227.6	9978.9	8458.6	8488.7	12771.8	9216.8	11080.8
4120.8	7247.2	8495.2	8147.5	7387.3	8054.9	5327.2	7476.1	8462.0	2967.3	9443.4
4396.0	10832.7	13174.4	14971.2	9142.3	11422.5	9612.5	12321.2	13787.1	6520.3	13441.0
5557.8	13283.9	13028.9	14033.9	11265.9	14574.6	10875.4	12386.5	17530.7	10450.0	18661.9
1605.8	8511.1	7883.0	5278.1	6278.9	9644.3	4515.6	8125.5	9673.0	2478.8	9216.3
6442.8	11250.8	9402.0	5768.1	5440.4	10848.6	5132.8	7514.1	12059.7	4266.6	8869.4
3826.6	16432.1	12913.1	12590.3	10718.8	14432.9	11305.3	11649.2	19852.4	7691.2	17175.0
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1928.5	8407.0	7829.5	8444.8	8524.7	7234.7	7938.7	7145.3	9960.1	4665.0	6162.2
5547.5	16165.8	13986.0	13764.0	11132.6	15222.5	11680.3	11941.2	20630.6	9871.0	15706.2
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8008.1	11431.3	11118.3	10961.3	10078.4	11212.7	7477.3	11011.9	13173.8	8657.3	17755.6
4914.0	10144.6	9286.0	10922.9	8407.5	11256.0	9588.9	10189.3	13256.1	6081.1	13075.9
3999.4	9120.2	7635.4	7606.3	8367.7	8772.0	6163.1	8052.4	10582.3	3737.7	10474.6
21899.1	11334.9	10457.5	10051.5	9411.8	10032.5	9856.2	9685.1	13676.4	6645.1	15735.3
660.5	9651.4	8536.7	8411.6	4888.1	9778.7	6878.5	7691.0	12694.2	5215.6	9739.8
7766.3	10892.8	11199.5	7777.8	9386.3	11531.0	6994.2	9647.7	5552.7	9123.9	18729.6
11912.5	10380.0	8697.5	5336.1	7556.5	10111.1	4848.6	8379.3	5774.2	6961.0	16435.1
31387.1	7282.2	7172.5	7575.1	6462.0	7616.0	6155.0	7301.0	9298.1	3828.6	12655.5

5628.9	6820.0	2918.5
11853.0	11275.7	8191.4
4193.0	5234.6	3389.2
5153.9	5967.6	4362.5
9348.5	9667.7	6222.0
4994.0	5471.0	2978.7
5926.9	6526.1	6429.3
10274.4	9046.4	7356.9
5826.5	6027.1	3911.6
5090.7	4878.8	2333.5
7179.0	7455.3	3433.3
7728.7	7048.5	3870.3
6773.6	6444.0	2808.8
8062.5	6872.3	4625.3
5641.5	5448.1	1936.5
9156.3	7058.3	3013.1
8932.2	8415.9	5051.9
10850.3	11869.5	7031.6
6483.3	6499.8	3696.6
8165.5	7919.2	4369.8
11635.0	10682.4	6459.9
10727.8	8647.4	6425.1
9122.6	8562.8	6768.3
6130.3	5338.0	2473.6
11855.2	10723.5	6063.3
11979.6	10412.1	7439.6
4913.5	5504.4	3639.2
5331.3	5480.6	3352.6
10668.3	9875.8	7175.6
7930.9	8095.7	4871.2
7738.6	6978.3	4738.3
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13398.7	12880.6	8416.3
10118.4	9250.1	4975.3
8550.8	7680.9	6169.6
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9559.7	9917.5	7147.2
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g__Pelomonas
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s__Pelomonas aquatica	12789
s__Pelomonas puraquae	11445
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s__Polaromonas aquatica	8413
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L33974.1 gg_id:7170 Leptothrix discophora str. SP-6	L33974
AM501440.1 gg_id:248405 Pelomonas puraquae str. CCUG52770 MG64	AM501
AF396932.1 gg_id:112368 Pseudomonas saccharophila str. PRO7	AF3969
DQ884343.1 gg_id:170667 Pseudomonas sp. str. JS-1	DQ884
AM039830.1 gg_id:133518 Polaromonas aquatica str. CCUG 39402	AM039
NC_008781.1 gg_id:194205 Polaromonas naphthalenivorans str. CJ2	NC_00
AAFQ02000005.1 gg_id:129807 Polaromonas sp. str. JS666	AAFQ0
DQ298150.1 gg_id:142773 -dependent and microbial assemblages silkworm midgut clone swm42	DQ298
AB464945.2 gg_id:323641 Altitudinal changes flora on Gulkana Glacier Alaska analyzed sequencing and -cycle c	AB4649
AF361203.1 gg_id:53922 mesoeutrophic reservoir clone 16	AF3612
AY166684.1 gg_id:76891 Polaromonas naphthalenivorans str. CJ2	AY1666
U14585.1 gg_id:7005 Polaromonas vacuolata str. 34-P	U14585
DQ341420.1 gg_id:150971 Acidovorax sp. str. Antarctic IS08	DQ341
AF407386.1 gg_id:33769 MCB-contaminated groundwater-treating reactor clone RB7C8	AF4073
AB252078.1 gg_id:152145 entrapped Puruogangri ice core clone PIC-D3	AB2520
EU801289.1 gg_id:323062 It's all ranking aquatic Chesapeake Bay MD clone 3C002543	EU8012
EU636027.1 gg_id:278933 Antarctic str. G020	EU6360
EU636024.1 gg_id:279595 Antarctic str. G076	EU6360
AY218637.1 gg_id:81748 penguin droppings sediments clone KD4-57	AY2186
EU636029.1 gg_id:278079 Antarctic str. G088	EU6360
FJ979854.1 gg_id:384326 Polaromonas sp. str. tsz24	FJ9798
FJ801199.1 gg_id:552577 Investigation Water -DGGE and Clone Library Zoige Alpine Wetland clone ZWB3-18	FJ8011
EU030285.1 gg_id:254221 Polaromonas jejuensis str. JS12-13	EU0302
EU801930.1 gg_id:355065 It's all ranking aquatic Chesapeake Bay MD clone 3C003311	EU8019
EF423322.1 gg_id:212990 Polaromonas sp. str. 1006	EF4233
EU703261.1 gg_id:448038 lakes on Eastern Tin Plateau oligosaline lake altitude 4718 masl clone XZNMC60	EU7032
DQ094183.1 gg_id:130292 Polaromonas sp. 'hydrogenovorans' str. hydrogenovorans	DQ094
EU636028.1 gg_id:279079 Antarctic str. CC10	EU6360
AY188325.1 gg_id:79327 penguin droppings sediment clone KD7-99	AY1883
FM161402.1 gg_id:291214 Polaromonas sp. str. 01WB02.3-26	FM161
AB167243.1 gg_id:107951 str. c115	AB1672
AY168739.1 gg_id:75143 arsenite-oxidizing biofilm clone HC-3	AY1687
GU213397.1 gg_id:540184 Polaromonas sp. str. 190	GU213
EF516819.1 gg_id:224825 grassland soil clone FCPN433	EF5168
GU208230.1 gg_id:588612 Study on Sediment Dongping Lake sediment clone 3S4-1	GU208
AY921863.1 gg_id:113128 farm soil clone AKYH1084	AY9218
EU881341.1 gg_id:340905 (maize-sweet cropping field) Karst region maize-sweet potato cropland soil clone KM	EU8813
DQ984611.1 gg_id:237973 LY oil-contaminated soil clone LYC180	DQ984
GQ079635.1 gg_id:390755 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw1232d(	GQ079
AY439189.1 gg_id:104669 soil clone MeCl 24	AY4391
AJ532684.1 gg_id:76621 uranium mill tailings clone Gitt-KF-21	AJ5326

38178.7	14370.9	12786.8	14187.1	13524.9	14253.8	12141.5	12154.3	18157.4	7067.3	17358.2
18996.5	13806.0	11627.3	10765.5	9062.5	12986.1	8104.5	10887.6	15908.0	5771.5	16012.6
15530.8	7652.4	8133.4	7021.1	6482.8	7264.7	6041.8	6912.7	5498.3	2531.1	8397.2
12509.3	9488.8	8740.0	8243.6	9172.2	8550.0	7643.4	9121.9	10199.8	4643.5	10941.2
3118.2	9096.2	6186.5	5291.4	6135.4	6252.6	7559.1	5570.6	5370.5	2422.2	6437.2
350.8	2153.1	1317.9	964.5	1065.0	1384.3	1378.6	1049.8	686.9	548.1	2342.3
9615.5	14113.5	9806.5	11296.6	11016.7	10317.1	11246.3	9522.5	10718.0	2672.6	8410.1
11913.4	6323.3	5936.2	6211.1	6643.4	6631.7	6792.6	5442.4	7154.6	5257.0	9103.7
1967.7	4527.7	5298.5	4720.6	4894.3	4594.3	4697.4	5515.6	4329.0	6565.3	3901.1
322.7	4824.1	2274.0	2100.5	2365.4	3355.3	1016.9	2442.8	1652.9	1923.1	4419.1
12732.6	2864.7	4000.3	5019.2	4330.2	3932.5	4283.3	3787.6	4547.8	2691.8	4175.2
6683.4	7658.1	6579.0	7428.6	9389.6	8061.7	9340.1	5827.3	3754.6	4939.3	8656.7
74.4	989.8	2572.3	2169.8	6896.7	2426.0	5011.2	1464.5	477.2	86.3	408.0
25110.0	9022.8	9362.2	11246.3	11636.4	9078.1	10790.4	11178.2	9982.7	5484.2	16301.6
158.7	3168.8	2091.0	1525.1	1610.6	2677.5	1613.8	2002.3	3304.1	874.6	1756.7
718.5	8547.6	6005.2	6653.9	4952.9	7272.9	6602.4	5688.6	7311.8	4315.3	7212.1
3008.3	10302.8	8883.5	10522.4	10301.7	9157.4	9446.5	8473.3	10004.5	4287.3	10080.0
5360.2	8933.3	7454.1	8856.9	8115.4	6758.0	8035.9	7041.3	7578.6	3513.2	8618.3
3201.2	9172.9	8024.1	9454.6	8589.9	7677.1	8918.9	7536.6	10159.4	5563.1	13698.4
1733.2	5888.5	5498.6	5674.7	7481.7	6129.2	7096.0	5775.0	5634.0	2305.3	5992.4
21019.9	9365.8	7573.8	8748.7	9056.7	8564.6	8423.2	9322.8	9918.7	4541.8	13065.4
4196.6	6998.4	4793.7	5510.9	6291.7	6148.6	5769.8	6939.1	5952.3	3609.6	12047.8
3022.3	8374.1	6897.8	7025.4	7230.3	6122.1	6098.6	6314.3	7651.5	3658.2	8574.3
15344.5	11954.7	9095.4	10049.4	9429.6	10577.2	9487.5	8902.2	13973.1	5386.8	12020.3
8083.2	14527.1	11977.2	12984.7	12662.4	13310.5	11882.4	11217.6	16334.7	6295.5	13069.9
4031.0	7752.9	4986.3	4829.4	4948.3	6095.2	5945.8	4621.7	6309.5	1718.4	4058.1
9002.9	5075.0	4590.2	4245.5	4642.4	4690.1	3935.3	4596.5	5613.6	2892.8	7284.0
7396.9	13340.3	10137.6	10039.7	10883.0	11481.1	9319.4	8723.8	14469.0	6702.1	10867.3
13686.9	11341.0	9633.9	11042.7	9564.9	9885.0	9609.4	9134.2	12644.5	7161.8	14420.9
11508.2	12097.8	9984.2	10897.2	10472.6	10872.5	9218.9	9883.0	12695.2	7819.1	13792.2
2336.5	8099.1	7244.4	9397.2	8822.2	7410.9	9366.8	6780.9	5246.6	1207.5	6717.5
20992.7	8384.9	8053.9	8539.6	7560.2	9166.3	7707.5	9525.1	11770.6	5342.5	13920.3
5912.7	12407.8	9195.9	8520.3	9744.5	10514.7	8771.4	7883.1	13829.2	4526.9	9270.0
14557.6	10763.2	7512.5	8327.0	8819.5	9198.9	8941.9	8499.6	9144.4	5374.1	12909.8
1646.6	11389.5	10686.3	5948.1	7939.2	11008.1	4701.3	10413.7	4264.9	8263.9	15043.0
4940.8	11197.4	8521.7	7989.9	7817.7	9556.4	7994.6	7913.6	8520.4	7430.8	4854.6
1445.3	8692.8	6428.5	6315.7	6863.1	7080.4	6597.1	6176.0	5379.4	3441.2	6988.9
952.4	6311.7	7092.3	4447.9	5771.0	8750.0	4561.0	6407.2	4556.1	4005.0	5917.4
2761.9	11021.5	8954.2	9653.9	8877.1	10827.4	9391.3	8004.2	11792.8	3988.0	6110.2
18195.6	16591.1	13182.9	13757.9	12800.1	14173.9	11728.2	13305.2	17838.7	10415.4	19329.2
14435.3	7826.5	7334.9	6701.1	7722.2	6556.9	6600.4	5853.4	9013.6	6869.8	8642.8

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10079.8	8830.6	5618.3
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1629.8	2000.5	790.2
4093.8	4325.1	2592.3
5616.7	6398.8	5057.1
3401.9	1527.3	518.3
9834.9	10531.7	7230.0
1530.1	2047.4	787.2
5615.9	5307.2	3886.9
8473.2	8302.0	5569.9
7019.9	6118.8	4270.6
8863.1	7407.0	6747.6
5392.4	4965.7	3849.4
7469.9	8515.5	6023.8
4423.6	5061.5	3086.5
5706.8	5786.8	4224.1
8796.7	8179.0	6165.9
11574.9	10289.8	7176.7
4775.0	4190.1	2753.8
3506.9	4824.0	3381.6
9632.9	8484.0	5300.5
10297.5	8885.1	10044.9
9213.3	8794.6	5616.5
5863.5	5483.3	4778.8
8046.2	8474.5	5435.7
8482.4	6912.7	4467.0
6708.9	7961.2	5558.9
5273.3	6252.3	3163.9
7851.6	7138.9	5903.6
6772.6	6348.7	5865.3
5532.1	5629.6	2151.5
9081.4	7992.6	5148.1
11921.4	11414.5	8592.7
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DQ354711.1 gg_id:154792 subsurface water clone DR550SWSAEE7 DQ354
EF516224.1 gg_id:221803 grassland soil clone FCPU687 EF5162
AB487846.1 gg_id:591765 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4878
FJ478510.1 gg_id:578098 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4785
DQ451482.1 gg_id:156693 forest soil clone FAC43 DQ451
EU979062.1 gg_id:317424 Effects intercropping Rhizobium inoculation on microbial biomass and rhizosphere b EU979
FM178814.1 gg_id:343929 Monitoring abundance and expression 'dehalococcoides' species chloroethene-redu FM178
NC_007908.1 gg_id:153264 Rhodoferax ferrireducens str. DSM 15236 NC_00
D16212.1 gg_id:6979 Rhodoferax fermentans str. FR3 D16212
X95837.1 gg_id:6986 situ visualization genetic natural microbial ecies strain T3 X95837
FJ517716.1 gg_id:513243 Disturbing epithelial homeostasis metazoan Hydra leads drastic changes microbiota e FJ5177
AY214178.1 gg_id:82365 benzene-contaminated groundwater clone ZZ9C20 AY2141
DQ628924.1 gg_id:162964 sequences Arctic glacier subglacial water ice or sediment clone SIB1 2B DQ628
DQ856540.1 gg_id:254818 intestinal microflora Chinese mitten crab (Eriocheir sinensis) clone C2M DQ856
AJ606333.1 gg_id:100951 Comamonadaceae SB1 AJ6063
DQ628925.1 gg_id:170859 sequences Arctic glacier subglacial water ice or sediment clone SIB2 1D DQ628
AB199580.1 gg_id:110990 river water Japan clone RVW-13 AB1995
EU907895.1 gg_id:315915 Identification hexahydro-135-trinitro-135-triazine (RDX)-degrading microorganisms v EU9078
AY218635.1 gg_id:81515 penguin droppings sediments clone KD4-45 AY2186
AF418942.1 gg_id:43083 USA: Colorado Fort collins Horsetooth Reservoir clone HTA10 AF4189
EF203797.1 gg_id:236168 Chlorochromatium aggregatum EF2037
AB154311.1 gg_id:104501 freshwater clone S9F-53 AB1543
EF451646.1 gg_id:216339 Rhodoferax sp. str. KAR16 EF4516
EF580989.1 gg_id:278249 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM7 EF5809
AJ421912.2 gg_id:27768 Germany:Elbe River clone Elb08 AJ4219
EF516373.1 gg_id:224371 grassland soil clone FCPT660 EF5163
AB237669.1 gg_id:140742 microorganisms deep subsurface groundwater sedimentary rock milieu clone HDBW AB2376
EU937983.1 gg_id:333026 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9379
AJ867929.1 gg_id:142024 Fluctuations Significantly Influence Microbial Present Nival Lakes lake water clone D8 AJ8679
EU937978.1 gg_id:330894 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9379
EU937973.1 gg_id:303742 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9379
EU104042.1 gg_id:353830 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1040
GU233447.1 gg_id:516603 Rhodoferax antarcticus str. ANT.BR GU233
CU466889.1 gg_id:338390 Evry wastewater treatment plant anoxic basin clone CU466
AB475015.1 gg_id:566864 sequences located Engiadina Bassa Valley Switzerland iron containing freshwater so AB4750
AY214173.1 gg_id:81368 benzene-contaminated groundwater clone ZZ9C2 AY2141
AB478658.1 gg_id:534216 SSU sequences Alps Cadagno di Fuori submerged biofilm mats montane wetland clo AB4786
AB504936.1 gg_id:552998 structure microorganisms reddish-brown iron-rich snow clone oze05B33 AB5049
GQ340212.1 gg_id:552309 Prokaryotic Marathonas Reservoir Greece water column clone VE07-26-BAC GQ340
EF580979.1 gg_id:279495 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1 EF5809

12103.0	6085.3	6138.4	6440.0	5857.3	5510.7	5528.7	6477.3	6706.3	4817.1	7593.1
320.9	6280.0	5540.1	6801.3	5134.3	6446.2	3876.6	6937.6	6489.4	8559.1	5906.7
155.5	948.8	1096.9	1453.0	638.8	796.4	245.4	986.2	1497.7	241.6	864.0
3246.1	7778.2	7613.6	7729.4	7735.1	7235.4	7150.6	7887.5	6533.6	4619.2	10076.4
12628.5	8507.5	4764.6	5295.9	6319.4	5332.9	5086.9	4262.5	5556.3	2281.4	7739.6
4841.0	4761.9	4269.2	3536.9	4654.7	6025.5	4186.6	4754.4	5883.2	1925.7	5188.2
20600.9	7771.2	8402.0	9836.8	9674.5	8873.5	10064.2	8692.8	10451.9	5959.9	10521.5
24043.4	10409.4	11132.4	9985.5	8936.1	8525.4	7745.5	9251.2	10061.5	6377.1	11010.9
7183.8	9351.5	10629.0	13661.1	14543.8	11192.1	14705.9	10672.2	10944.8	6397.4	14723.4
6869.1	10181.7	11529.9	13029.6	10845.0	10367.7	11516.9	10750.3	12514.4	7286.5	18332.0
14462.9	15296.4	13973.1	15899.7	14840.7	14389.7	15616.1	12942.2	15365.6	10321.9	16359.1
4105.3	17187.0	13209.3	15734.5	13556.1	15132.5	13646.5	11662.3	17935.3	6551.9	14923.2
24380.3	11417.0	9718.5	11421.6	9886.1	11149.5	10983.9	9011.6	14629.6	8974.7	16205.3
5436.9	11740.3	8961.9	9268.4	7927.3	9703.9	7470.1	8731.5	10455.5	3706.8	11244.5
7021.2	9728.1	10180.3	12376.5	12537.4	10088.5	11327.4	8928.7	8207.5	4161.2	9811.9
370.4	5492.0	5070.1	5673.5	5211.8	4757.1	5654.1	6503.8	3754.9	4801.6	8769.9
4620.6	10784.8	10243.0	12040.6	12437.0	10841.4	12039.7	9608.1	13164.3	6663.3	11789.0
7046.3	7446.9	6646.0	8175.8	8904.5	8096.8	9057.3	7282.6	7594.6	6234.0	11980.4
3081.0	9198.5	10302.9	12530.3	13123.2	11279.5	12696.8	11000.4	10053.1	7118.1	16722.2
3399.0	10739.3	9299.4	10416.9	9181.0	11170.2	7750.9	9226.9	12198.2	6334.9	11056.3
17356.3	7746.9	8106.3	10071.2	9516.7	7540.8	9313.7	8321.0	8942.5	4891.0	8742.9
465.8	438.0	623.7	670.4	410.6	518.1	184.2	740.9	215.8	248.6	462.1
12477.3	10489.2	10429.5	12554.0	10612.3	10090.6	9491.1	9368.1	11148.3	5184.3	12251.5
15879.3	11684.2	11719.5	14821.1	15243.4	12890.2	14687.5	12411.1	14146.3	8867.5	17801.4
10216.8	9842.2	10084.1	13055.8	13303.4	11092.7	13238.8	10900.0	10831.0	4808.0	14495.5
3369.2	8920.3	8579.5	10319.0	9586.5	8680.7	9519.8	8423.0	7564.1	3102.3	10999.0
23324.7	14206.7	12729.9	13794.4	13689.7	12636.3	13925.2	11550.0	17113.4	11132.0	18745.3
690.0	8220.3	7965.1	7171.3	7673.4	8521.0	5966.5	8320.8	6841.8	7034.1	13780.5
18496.4	16481.8	14865.1	18465.2	16549.5	14784.7	16628.1	13592.5	18385.0	10947.6	20976.1
5945.5	10150.5	9452.4	11700.0	9418.3	10973.3	10614.2	9824.4	10608.1	3991.2	11224.9
25185.3	12103.8	12313.2	14845.5	10791.3	11249.2	9923.6	13218.5	13804.2	7753.2	20102.2
8835.6	8128.2	8657.6	8904.7	6074.0	7343.6	5837.8	7255.4	10078.3	3364.1	6995.1
7414.1	9151.5	11546.4	14539.4	12184.6	9490.6	11394.5	11290.0	9893.9	3336.1	14291.8
1028.4	6046.1	5743.7	7841.1	8082.5	6093.8	7175.3	6818.3	6063.0	2132.9	8082.7
6518.8	9476.8	8622.7	10282.4	9363.9	8637.2	9196.4	9451.5	9690.7	4727.5	13644.7
2792.8	7683.1	7353.4	8960.9	7335.9	8206.4	8453.4	8451.7	7868.3	4074.4	13112.3
3740.0	5613.6	5515.0	7030.8	7021.2	5277.7	5953.4	6569.7	5833.4	3037.8	6601.6
694.0	5973.7	7285.3	9261.8	7451.1	5949.3	6132.6	7190.9	7596.1	3083.3	10553.3
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11657.3	11053.1	6330.9
7412.1	6842.0	3876.1
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6064.6	6884.7	3178.7
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6146.4	7068.8	3815.2
5916.4	7850.1	3726.0
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DQ628929.1 gg_id:171579 sequences Arctic glacier subglacial water ice or sediment clone SOC1 3G DQ628
AF435948.2 gg_id:75345 Rhodoferax ferrireducens str. T118 AF435
EF520458.1 gg_id:233033 structure lakes: what controls ? acid-impacted lake clone ADK-HDe02-15 EF5204
AJ422168.1 gg_id:34909 Germany:Spittelwasser River clone Spb249 AJ4221
AB475020.1 gg_id:534700 sequences located Engiadina Bassa Valley Switzerland iron containing freshwater so AB475
CU466882.1 gg_id:347539 Evry wastewater treatment plant anoxic basin clone CU466
EU340210.1 gg_id:248312 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU340
AY013643.2 gg_id:23857 sample taken downstream landfill clone BVB72 landfill AY013
AY050600.1 gg_id:34176 MCB-contaminated groundwater-treating reactor clone GOUTB17 AY050
AF523029.1 gg_id:88367 natural mineral water clone G-5 AF523
EU104076.1 gg_id:340208 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
AM697182.1 gg_id:222656 sequencing libraries indoor dust clone BF0001C023 AM697
FM955857.1 gg_id:581777 Rhodoferax sp. str. Asd M2A1 FM955
FJ437765.1 gg_id:546951 Benthic okenone production Fayetteville New York Green Lake chemocline 20.5 m wa FJ4377
DQ628926.1 gg_id:171241 sequences Arctic glacier subglacial water ice or sediment clone SIB2 10G DQ628
GQ339123.1 gg_id:526119 Comprehensive Investigation on Iron Cycling Freshwater Seep ing Microscopy Cultiv GQ339
AJ867927.1 gg_id:144785 Fluctuations Significantly Influence Microbial Present Nival Lakes lake water clone D6 AJ8679
EF590026.2 gg_id:231559 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF590
AJ421940.2 gg_id:20142 Germany:Elbe River clone Elb270 AJ4219
EU801480.1 gg_id:325766 It's all ranking aquatic Chesapeake Bay MD clone 3C002783 EU801
GQ389172.1 gg_id:587804 quality deterioration drinking system during serious red water outbreak clone D42 GQ389
AJ421927.2 gg_id:20305 Germany:Elbe River clone Elb154 AJ4219
AF523038.1 gg_id:90178 natural mineral water clone H-5 AF523
EU104187.1 gg_id:331535 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
DQ228371.1 gg_id:144642 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
EU499697.1 gg_id:263522 Field-based laboratory stable isotope probing surveys identities both aerobic and an EU499
AB475018.1 gg_id:542491 sequences located Engiadina Bassa Valley Switzerland iron containing freshwater so AB475
EF520463.1 gg_id:231370 structure lakes: what controls ? acid-impacted lake clone ADK-MOh02-46 EF5204
EF590046.2 gg_id:230607 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF590
EU636030.1 gg_id:278005 Antarctic str. G079 EU636
DQ227795.1 gg_id:142898 Rhodoferax sp. PIC-C33 DQ227
AJ421938.2 gg_id:18730 Germany:Elbe River clone Elb263 AJ4219
DQ664242.1 gg_id:172764 Rhodoferax sp. str. IMCC1723 DQ664
DQ228394.1 gg_id:143719 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
DQ532326.1 gg_id:168650 Geographical Variation Microbial Burden and Spacecraft Assembly Kennedy Space C DQ532
AF407396.1 gg_id:50642 MCB-contaminated groundwater-treating reactor clone RB9C6 AF407
CU466916.1 gg_id:337770 Evry wastewater treatment plant anoxic basin clone CU466
AF407412.1 gg_id:44459 MCB-contaminated groundwater-treating reactor clone RB13C6 AF407
AM935036.1 gg_id:546472 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
AY214181.1 gg_id:82413 benzene-contaminated groundwater clone ZZ12C5 AY214
DQ521494.1 gg_id:198759 Antarctic lake ice cover clone ANTLV1_G06 DQ521

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18972.3	10412.9	10338.0	12853.2	11957.9	10537.9	12268.9	10422.2	11546.5	9201.3	15233.6
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3609.1	16076.6	12693.3	14790.6	13384.7	13789.0	13235.8	12155.0	15812.4	7659.8	14838.2
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29879.6	17064.2	15565.7	18583.2	16462.4	16006.7	16845.6	14900.4	19983.3	11934.8	19547.5
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9231.4	9753.8	6170.3
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9367.1	8333.8	7080.6
6044.6	8461.6	4587.3
9069.8	8726.5	5921.2
9909.9	10030.8	6959.8
9545.5	10489.4	9350.2
4870.3	6190.7	3566.8
5160.1	6982.6	3351.0
12000.8	11800.4	7960.7
8574.2	9293.5	7174.5
6567.8	7777.4	5254.4
8814.9	10452.8	8238.0
12153.4	10859.5	8993.8

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AB030614.1 gg_id:50786 groundwater clone 1016 AB030
EF516197.1 gg_id:227151 grassland soil clone FCPT420 EF5161
CU918346.1 gg_id:543524 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU918
EU801168.1 gg_id:340336 It's all ranking aquatic Chesapeake Bay MD clone 3C002403 EU801
AF173821.1 gg_id:6994 Antarctic clone LB3-27 AF173
AM936046.1 gg_id:543204 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
EU636023.1 gg_id:277658 Antarctic str. CA1 EU636
EF520443.1 gg_id:230788 structure lakes: what controls ? acid-impacted lake clone ADK-BMe02-01 EF5204
AB508900.1 gg_id:581899 Roseateles sp. str. TSH99 AB508
GQ030687.1 gg_id:456337 Topographical and Temporal Human Skin Microbiome skin palm clone nbw881e04c1 GQ030
FJ981655.1 gg_id:572135 Flea Vectors Plague clone XC5 FJ9816
GQ078254.1 gg_id:430107 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1 GQ078
EU538391.1 gg_id:285518 profile human microbiota antecubital fossa (inner elbow) skin clone nbt88c04 EU538
EU538728.1 gg_id:282685 profile human microbiota antecubital fossa (inner elbow) skin clone nbt235g05 EU538
GQ030807.1 gg_id:373519 Topographical and Temporal Human Skin Microbiome skin palm clone nbw883c02c1 GQ030
GQ076200.1 gg_id:458952 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw36 GQ076
EU714912.1 gg_id:547154 Mitsuaria sp. str. H29L1B EU714
EU539663.1 gg_id:281031 profile human microbiota antecubital fossa (inner elbow) skin clone nbt243g05 EU539
EU730923.1 gg_id:329183 Mitsuaria chitosanitabida str. 162 EU730
AJ512945.1 gg_id:80077 Caenibacterium thermophilum str. N2-680 AJ5129
EF127603.1 gg_id:208255 Fossil Genes and Microbes Entombed Oldest Ice on Earth ice clone EME093 EF1276
CU927221.1 gg_id:549143 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU927
CT574057.1 gg_id:151642 Evry municipal wastewater treatment plant clone 054F01_B_DI_P58 CT574
CR933282.1 gg_id:109578 Evry municipal wastewater treatment plant clone 061G11_B_SD_P93 CR933
AF422679.1 gg_id:37583 TCE-sediment clone d156 AF4226
AY218554.1 gg_id:82194 penguin droppings sediments clone KD1-134 AY218
FJ982926.1 gg_id:422910 Simplicispira limi str. ST3 FJ9829
AF078755.1 gg_id:7088 Aquaspirillum psychrophilum str. LMG 5408 AF0787
AY780904.1 gg_id:143192 Aquaspirillum metamorphum str. 416 AY780
Z93960.1 gg_id:7097 activated sludge clone T33 Z93960
EU434565.1 gg_id:264466 Simplicispira sp. str. b29 EU4345
EU652480.1 gg_id:278324 Simplicispira sp. str. JPB-3.01 EU6524
AJ863381.1 gg_id:119723 poplar tree microcosm rhizosphere flooded clone 5RHF31 AJ8633
CU466844.1 gg_id:324604 Evry wastewater treatment plant anoxic basin clone CU466
AJ863422.1 gg_id:126382 poplar tree microcosm rhizoplane flooded clone 23RPF1 AJ8634
DQ975218.1 gg_id:250332 Iron sulfide and pyrite potential electron donors microbial nitrate reduction fresh wa DQ975
CU466904.1 gg_id:335159 Evry wastewater treatment plant anoxic basin clone CU466
CU466876.1 gg_id:316181 Evry wastewater treatment plant anoxic basin clone CU466
DQ640671.1 gg_id:233183 full-scale EBPR sludge clone Skagenf43 DQ640
AY275432.1 gg_id:98380 Brachymonas petroleovorans str. CHX AY2754
GQ024888.1 gg_id:484782 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ024

1810.4	7703.5	7920.8	9231.0	7159.4	7542.4	6985.7	8824.9	10793.9	3272.7	10942.6
5157.7	9550.6	9455.1	10256.0	11022.5	10343.2	10025.8	9410.1	11877.5	6802.1	14012.6
1317.3	9013.4	8906.7	9448.6	7074.0	8645.2	9235.0	7926.9	10245.9	4855.3	9125.5
13125.4	11095.9	11734.2	15252.4	13998.5	11116.0	13222.9	13175.5	12622.2	10988.0	19359.5
13032.1	11060.4	10809.2	13626.5	11590.0	10697.4	10883.1	10958.5	13102.9	7577.0	14117.5
11397.5	9212.9	9655.0	12101.5	12737.7	10374.0	12636.6	9269.5	12177.4	7959.3	12213.6
3719.5	11432.3	9726.5	11022.4	9335.5	11634.0	8507.1	10107.1	12991.2	5979.6	12883.5
545.3	1184.6	1168.9	1555.5	988.1	1081.4	847.0	1002.7	1302.4	876.1	2389.0
18254.1	10371.2	10672.5	11221.3	11826.9	10979.6	10457.5	13753.4	11692.8	5361.7	20952.7
24093.7	5337.0	6546.4	8348.4	6372.6	6968.2	6261.2	8346.6	5776.1	3572.5	11845.0
28738.5	8839.8	9532.9	11390.3	12458.5	10177.6	10881.3	11327.5	9911.4	5477.9	15817.4
23675.3	4770.1	7617.1	8024.6	7327.5	6995.2	5647.5	8772.7	6818.8	3290.9	10122.4
27595.3	6991.8	7891.9	8687.8	8012.4	7562.3	7525.2	8516.8	8356.8	5416.7	10323.4
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12855.6	7079.7	5684.2	6263.8	5934.2	5875.3	7507.0	5809.6	6409.8	2879.4	8006.0
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26144.4	13252.4	12321.2	14537.7	14341.6	12766.9	14141.2	13289.1	16627.3	14126.8	20921.0
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36.2	43.7	59.2	55.9	124.4	55.4	88.7	75.8	35.3	53.2	57.7
1450.7	5405.4	5182.7	5345.8	5530.7	6123.4	5458.2	5491.9	7309.2	3540.4	6969.9
2824.5	6039.1	6023.6	7005.2	6808.7	7299.8	5088.0	7259.2	7829.8	4364.3	5697.0
10898.0	14046.5	11654.1	14700.5	13563.9	12574.3	12681.0	12287.9	15453.2	9847.9	18240.8
17995.3	14501.3	13515.8	15722.8	14304.0	13498.0	14099.0	13709.9	18748.1	10390.9	18255.1
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10204.8	9552.9	9635.3	10104.1	9713.7	9666.4	8974.6	9527.9	10133.1	9916.3	12454.1
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218.3	3311.5	2400.8	3111.6	3654.7	3394.3	11336.2	3749.5	7097.9	1702.7	6477.6
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7788.8	6384.4	6275.1	7222.3	9753.9	7169.7	6835.6	7534.3	5382.8	5086.2	8833.8
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9999.4	8536.2	8182.4	9104.7	8102.6	8452.0	6814.8	8236.0	10472.7	6790.3	14782.4
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8790.9	9365.5	8458.9
9102.0	8397.2	5343.3
901.6	1647.6	548.9
11243.2	10396.2	6315.4
6498.6	7691.5	4018.8
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AF439400.1 gg_id:40752 Ramlibacter henchirensis str. TMB834 AF4394
AM411934.1 gg_id:237073 Variovorax sp. str. P-34 AM411
GU208252.1 gg_id:590127 Study on Sediment Dongping Lake sediment clone 6S3-1 GU208
AF144383.3 gg_id:7037 Ramlibacter tataouinensis str. TTB310 AF1443
FJ612171.1 gg_id:567473 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP3.4.83 FJ6121
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EU978826.1 gg_id:544356 and metabolic potential metagenome glacier ice clone glb338c EU9788
FJ534997.1 gg_id:533886 Enhancement protein conversion volatile fatty acids accumulation during addition: ef FJ5349
GQ089363.1 gg_id:407227 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw3 GQ089
AJ565430.1 gg_id:89333 Hylemonella sp. WQH1 AJ5654
GQ059928.1 gg_id:403464 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ059
DQ234183.2 gg_id:142262 determined library mangrove clone DS100 DQ234
GQ060097.1 gg_id:404459 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
EF520474.1 gg_id:230959 structure lakes: what controls ? acid-impacted lake clone ADK-HDh02-57 EF5204
EU801607.1 gg_id:325206 It's all ranking aquatic Chesapeake Bay MD clone 3C002944 EU8016
FJ484871.1 gg_id:569745 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4848
GQ038137.1 gg_id:404029 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu38 GQ038
EU801055.1 gg_id:320222 It's all ranking aquatic Delaware Bay NJ clone 2C229356 EU8010
GQ021512.1 gg_id:488156 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27 GQ021
EU881143.1 gg_id:323551 Karst region primary forest soil clone KPF200711-105 EU8811
EU652471.1 gg_id:279025 Pseudomonas sp. str. JPB-1.12 EU6524
AB166668.1 gg_id:101184 Leptothrix sp. str. SAYI-C AB1666
AF234683.1 gg_id:38002 sludge clone A15 AF2346
AJ867925.1 gg_id:143202 Fluctuations Significantly Influence Microbial Present Nival Lakes lake water clone D4 AJ8679
DQ640667.1 gg_id:229779 full-scale EBPR sludge clone Skagenf97 DQ640
GQ339130.1 gg_id:523295 Comprehensive Investigation on Iron Cycling Freshwater Seep ing Microscopy Cultiv GQ339
DQ521517.1 gg_id:190163 Antarctic lake ice cover clone ANTLV2_E04 DQ521
FM873335.1 gg_id:367349 occupant source house floor dust clone FD01H06 FM873
EF660749.1 gg_id:245337 Pelomonas soli str. SYB4 EF6607
EF632937.1 gg_id:252287 Unique microbial contrasting aquatic altitude Andean Altiplano (northern Chile) fresh EF6329
CU466870.1 gg_id:344265 Evry wastewater treatment plant anoxic basin clone CU4668
AB114618.1 gg_id:103415 rice plant clone ER-50 AB1146
EU542576.1 gg_id:258654 Ideonella sp. str. 1a22 EU5425
AF293003.1 gg_id:37495 ferromanganous micronodule clone MNE12 AF2930

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2292.6	10883.2	9654.5	8839.6	11609.7	11750.9	11535.5	9134.8	12986.0	5295.9	12700.3
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2063.5	9553.6	9974.5	12391.6	10108.6	8591.1	8591.6	9908.2	8870.7	9057.6	12938.8
3466.8	8075.4	7629.0	9283.7	9669.9	8769.5	6854.5	8786.0	6804.1	7189.1	12623.4
14626.5	7436.5	6788.1	7906.3	6623.3	6845.1	6746.9	7196.5	6228.0	7016.9	9687.8
7401.1	9983.3	9376.3	11011.5	11135.3	10153.3	8594.3	10478.8	10418.6	11517.1	14727.9
4581.3	8319.9	7525.1	6853.4	6791.6	8171.8	6424.8	6276.6	9914.5	4447.6	5774.9
6536.5	10837.1	9149.2	9053.0	10424.0	8943.0	9648.5	8951.3	10001.2	4097.3	14712.5
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7683.4	9936.8	9664.7	8548.9	9634.7	9696.1	8348.5	8750.1	10167.7	5079.3	12940.3
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AJ422174.2 gg_id:23589 Germany:Spittelwasser River clone Spb283 AJ4221
DQ656489.1 gg_id:160616 Aquicola tertiaricarbonis str. L10 DQ656
FJ517015.1 gg_id:538250 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled water c FJ5170
EU881220.1 gg_id:355367 Karst region natural restoration land soil clone KNR200711-005 EU881
DQ413070.1 gg_id:152813 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
EF520457.1 gg_id:233054 structure lakes: what controls ? acid-impacted lake clone ADK-GRe02-95 EF5204
AB252908.1 gg_id:173323 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 187 AB252
DQ413123.1 gg_id:153307 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
EU528188.1 gg_id:282506 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU528
CU466856.1 gg_id:311170 Evry wastewater treatment plant anoxic basin clone CU466
NR_024710.1 gg_id:561541 Pelomonas saccharophila str. DSM 654 NR_02
DQ066963.1 gg_id:129997 Lake Washington sediment clone pLW-2 DQ066
CU466911.1 gg_id:312297 Evry wastewater treatment plant anoxic basin clone CU466
AY947999.1 gg_id:143722 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl AY947
AY921693.1 gg_id:113507 farm soil clone AKYG1800 AY921
FJ612162.1 gg_id:576928 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP3.4.31 FJ6121
EU638506.1 gg_id:340339 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n EU638
AB252904.1 gg_id:171114 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 233 AB252
AY212560.1 gg_id:102288 water 10 m downstream manure clone 109ds10 AY212
EF540425.1 gg_id:218435 oil-shale semi-coke solid waste clone MK4a EF5404
FJ484912.1 gg_id:561277 microbial autonomous rover world's deepest phreatic sinkhole water column El Zacat FJ4849
DQ327690.1 gg_id:167798 Biological filtration limits carbon availability affects downstream biofilm formation a DQ327
DQ337559.1 gg_id:145288 Pseudomonas sp. BBCT8 DQ337
AM990747.1 gg_id:278347 Leptothrix sp. MOLA 523 AM990
FJ902318.1 gg_id:541652 phreatic limestone sinkholes northeastern Mexico biomat rock outcrop cenote La Pal FJ9023
FJ902628.1 gg_id:541372 phreatic limestone sinkholes northeastern Mexico biofilm 1m deep hydrothermal ver FJ9026
AY212645.1 gg_id:107717 water 20 m upstream manure clone 192up AY212
EU244077.1 gg_id:365878 16SrRNA probes river Leine sediment clone sls1359 EU244
AY947934.1 gg_id:143876 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY947
AB240317.1 gg_id:144929 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB240
AF234681.1 gg_id:48162 sludge clone A2 AF234
AY622242.1 gg_id:106999 subsurface soil clone B-E7 AY622
AB015048.1 gg_id:7128 Leptothrix sp. str. MBIC3364 Y8 AB015
DQ066964.1 gg_id:130439 Lake Washington sediment clone pLW-3 DQ066
DQ017912.1 gg_id:136963 upland stream clone S-Btb7_08 DQ017
DQ241397.1 gg_id:143057 Leptothrix sp. str. S1.1 DQ241
AB240488.1 gg_id:142529 microbial structure rhizosphere biofilm Sapporo root-tip (0 40 mm) Phragmites Sosei AB240
EU340201.1 gg_id:250274 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU340
AF498703.1 gg_id:58127 soil isolate Ellin321 AF498
GQ093947.1 gg_id:404750 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ093

4997.1	5543.0	5999.0	4023.6	4327.8	6499.3	5005.7	4682.4	3881.4	1836.6	4176.5
6880.0	8414.1	8584.8	9525.7	11102.5	7764.9	8358.4	9216.0	7901.0	5428.0	10574.6
6108.2	5580.4	7441.5	6513.5	6293.5	7723.4	7308.4	8198.3	4687.6	2386.0	7029.4
838.3	3319.7	3818.8	3764.9	4797.0	4057.7	3705.2	5240.4	2315.8	1267.8	3620.1
8245.4	8337.0	8419.7	9421.4	8671.6	8535.9	6856.3	9636.4	9004.1	3847.8	12427.1
1382.2	4838.1	4932.5	4770.9	6620.6	4583.2	6677.3	5120.6	3721.3	2242.4	4633.1
4559.2	8562.0	9724.9	8914.0	8197.0	8676.3	8555.5	10411.4	10420.1	6159.6	11772.9
747.0	5370.0	5500.7	6206.5	9799.9	4730.4	6949.5	6420.4	4785.3	1932.5	3916.1
6097.4	7934.1	8210.0	9339.3	9826.9	8370.3	10750.2	9042.4	6760.7	5394.8	11518.0
2876.3	9357.0	10660.0	10590.3	11859.8	9375.0	8840.3	10086.8	8451.9	4078.0	11909.4
11297.4	7367.3	8594.7	8481.2	7691.6	8220.9	6313.7	8699.7	7670.3	3370.7	10519.2
34952.0	9846.5	8528.3	7947.4	6355.5	8895.6	5531.4	8251.4	9629.1	3674.9	16306.9
7057.9	10040.9	9521.1	11130.1	12996.8	9146.3	10950.6	10108.3	8850.6	3986.1	11109.3
17961.9	8691.9	10087.9	9431.7	10103.2	9382.8	8461.3	10221.2	10607.7	5784.6	13991.3
7355.8	8924.7	9367.3	9951.4	11390.8	10474.8	8541.2	14223.9	9462.3	5165.1	22838.3
6017.9	6305.4	7198.4	8171.2	8590.0	5617.4	7551.6	7843.1	5729.0	1214.2	5691.4
8583.5	9077.9	10085.8	11915.0	8093.5	10609.3	8960.7	10070.9	12795.3	3930.8	10711.5
4368.2	7364.1	7241.1	7469.6	7619.3	6342.4	5615.6	7263.4	5400.6	3479.1	7420.8
4339.5	13623.9	12640.0	12000.4	14871.6	11730.9	11318.8	13963.1	11414.2	5327.5	18117.6
36812.5	11748.4	10690.4	11023.1	10994.4	10989.0	11822.7	9978.9	17292.3	11446.1	17374.8
2455.1	4643.2	4689.5	5011.7	5907.1	4342.6	4608.8	4946.2	4685.0	2553.5	6213.7
8241.0	4716.7	5159.5	5916.2	4844.3	5434.9	5069.4	6421.2	6773.8	3391.4	6521.6
8141.9	8019.5	8107.5	9034.6	9006.4	7193.6	8132.7	8567.8	6732.4	1111.2	5784.9
23434.0	12004.5	12275.0	11239.2	9526.5	10274.4	7967.3	10657.5	11935.1	5612.7	14424.4
14188.8	10142.8	8881.4	10108.5	8960.2	8929.5	8022.4	8479.8	10029.8	2915.0	7531.9
2371.6	4200.5	5242.0	6670.5	5459.2	5840.3	4705.4	7818.4	4213.9	1687.2	7233.0
7872.4	7314.1	8489.0	7864.1	8177.1	7044.4	7137.0	7825.7	6703.3	4314.8	12470.9
4906.3	4905.6	5041.7	4370.1	4719.9	4310.8	4008.5	4389.2	3159.6	1423.6	3350.0
1621.3	7058.4	7507.2	8443.6	10049.4	5926.0	7077.5	8858.9	6806.0	1516.8	10422.9
12958.0	10370.9	9987.5	11705.4	13140.3	10593.9	12308.1	15770.3	10370.7	8348.6	22924.5
6942.5	8085.9	9138.4	9828.3	12849.6	8274.3	9274.4	9773.0	7780.6	4448.5	7888.1
6988.1	10733.0	10738.5	9694.9	11778.6	11339.5	8797.4	11843.7	9626.9	3723.7	14782.5
7643.8	4377.8	5243.7	6047.4	7500.5	5874.0	7379.3	6224.0	4711.1	3257.5	5866.7
717.4	3628.9	3858.1	3865.5	5010.3	3504.2	5397.0	4136.3	2114.7	839.9	3448.6
20362.1	9958.8	9977.2	11245.7	10757.7	9985.6	9588.7	10333.4	11268.5	7405.8	14898.6
1657.2	4508.3	6209.8	6338.2	9192.6	5043.5	5544.8	8537.2	4432.2	853.5	9557.7
20345.9	11470.8	11070.9	12427.3	14907.0	11437.4	12596.3	11321.1	11194.8	6732.9	12136.8
13900.7	11877.9	11646.6	12695.1	12710.0	11178.7	11203.7	11159.7	11022.4	4681.8	13643.8
4487.6	7567.4	7349.7	7648.1	8669.5	7168.5	7287.6	7748.4	6258.4	6635.6	10217.7
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5718.3	8689.9	7851.2	8130.1	9167.4	8083.6	7488.4	8689.3	8797.4	4574.4	10560.2

4565.0	4898.5	2284.0
8193.6	7701.9	4389.2
7476.2	5932.9	2848.8
3622.0	3381.5	1243.4
7837.4	8740.8	4226.9
5336.1	4556.4	3393.2
8862.2	8604.9	5286.0
7172.0	4715.8	2055.7
8771.4	7980.1	6399.1
10086.1	8446.9	3988.4
6985.8	7064.2	3524.0
8816.1	7479.5	3678.3
10335.3	8581.4	5119.2
8674.5	9088.7	5541.5
9910.5	8714.3	5383.1
7374.7	6439.3	2750.9
9467.1	9320.8	6576.8
6248.6	6072.2	2992.6
12559.6	9329.1	5478.0
8566.8	12819.7	9483.3
5434.8	4044.2	2606.6
6828.6	5942.1	3563.5
10065.4	7121.3	2895.0
11154.8	10036.9	5429.4
8953.9	7348.7	4567.2
4767.4	5611.3	1985.6
7747.2	6836.6	4361.9
4189.9	3823.5	1702.4
8246.9	5660.3	2467.4
10461.0	9030.9	6608.5
9717.4	8561.1	4583.0
10577.7	9132.1	5143.0
5678.8	6087.3	3037.1
3906.7	3036.9	2466.2
9475.0	9459.2	6626.0
6504.6	4768.8	1858.8
11692.6	10920.9	8423.8
12069.5	7800.3	7938.4
7364.8	8236.9	4568.8
5952.5	6814.2	2753.5
7730.3	6794.9	4709.5

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AF368755.1 gg_id:19861 Pseudomonas saccharophila str. 5-1 AF3687
AF234685.1 gg_id:17679 sludge clone A26b AF2346
FJ478604.1 gg_id:581639 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786
EF079081.1 gg_id:244828 seeps sulfur-rich neutral pH ecosystem ochre-colored flocculent iron seep ditch fresh EF0790
AB240526.1 gg_id:144416 microbial structure rhizosphere biofilm Sapporo root-base (80 160 mm) Phragmites S AB2405
CU466896.1 gg_id:355908 Evry wastewater treatment plant anoxic basin clone CU4668
FJ152778.1 gg_id:341579 Changes ly soil (Mexico) flooding alkaline saline soils former lake Texcoco clone TX5A_ FJ1527
AM501430.1 gg_id:256189 Pelomonas saccharophila str. LMG2256 AM501
EU283393.1 gg_id:251129 consecutively aerated submerged treating domestic wastewater activated sludge m EU2833
AB480710.2 gg_id:556657 Leptothrix sp. str. PW5B AB4807
EU104010.1 gg_id:308805 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1040
GQ402782.1 gg_id:557460 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
DQ836752.1 gg_id:169856 attached biomass denitrifying bioreactor clone DB-14 DQ836
CU466869.1 gg_id:333262 Evry wastewater treatment plant anoxic basin clone CU4668
X97071.1 gg_id:7126 Leptothrix mobilis str. Feox-1 X97071
AB271046.1 gg_id:172053 Leptothrix ginsengisoli str. Gsoil 1005 AB2710
AY212570.1 gg_id:107290 water 10 m downstream manure clone 119ds10 AY2125
CU466877.1 gg_id:305915 Evry wastewater treatment plant anoxic basin clone CU4668
EU015116.1 gg_id:243107 Investigation estrogen-degrading bioreactors membrane bioreactor suspension and EU0151
EU244040.1 gg_id:364166 16SrRNA probes river Leine sediment clone sl1288 EU2440
AY947983.1 gg_id:143699 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY9479
EU340184.1 gg_id:235584 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU3401
AJ576389.1 gg_id:104905 midgut homogenate Pachnoda ephippiata larva clone PeM24 AJ5763
EU817495.1 gg_id:334185 Comamonas sp. str. XJ-L79 EU8174
AY212575.1 gg_id:99071 water 10 m downstream manure clone 124ds10 AY2125
FJ823942.1 gg_id:529615 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8239
EU801639.1 gg_id:342792 It's all ranking aquatic Chesapeake Bay MD clone 3C002983 EU8016
EU488023.1 gg_id:545997 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and EU4880
AM778004.1 gg_id:247071 nonsaline . Influence pore-size filters determination structure alkaline groundwater AM778
AY768824.1 gg_id:108787 deep terrestrial fracture system clone D8A_4 AY7688
DQ537534.1 gg_id:170339 manganese oxidation soil clone JH-GY34 DQ537
GQ263735.1 gg_id:558043 Structure Simulated Level Waste Site simulated level waste site clone WC1_a51 GQ263
DQ301787.1 gg_id:147885 Comamonas sp. str. PHD-10 DQ301
DQ824571.1 gg_id:191875 human fecal clone RL185_aaj69g09 DQ824
FJ009392.1 gg_id:305949 Hydrogenophaga intermedia str. C1 FJ0093
GQ404493.1 gg_id:588562 Hydrogenophaga flava str. ENV735 GQ404
AB195168.1 gg_id:108779 Comamonas sp. str. 147S AB1951
AF280845.1 gg_id:21592 bioreactor clone mle1-6 AF2808
AJ420328.1 gg_id:30654 Hydrogenophaga flava str. DSM 619 AJ4203
DQ202143.1 gg_id:139876 denitrifying treating groundwater contaminated nitrate and uranium fluidized bed r DQ202
EU037345.2 gg_id:261198 structure landfill sediments receiving long-term augmentations wastes chromium co EU0373

21853.4	5863.7	8981.4	9165.0	6827.5	6892.4	5677.9	8384.8	8184.2	5749.2	7100.6
4347.8	9930.8	10408.7	9753.0	11275.0	10419.2	9236.4	10840.6	9548.0	4090.6	14948.4
9811.2	6927.7	7006.9	9125.6	9979.7	8197.4	8267.6	9162.0	10633.7	5017.3	7425.0
18395.0	5104.6	4768.2	5169.2	3966.2	7035.7	3707.8	5309.9	5303.0	992.5	6163.2
14704.6	6642.2	6997.3	7721.0	7201.3	7489.0	6491.9	9274.4	7551.5	4349.5	12124.5
8556.1	8429.2	8346.2	9635.1	10099.3	7216.2	8750.6	8825.3	8477.1	4132.8	8076.6
4661.7	5777.6	6853.6	6741.8	7741.7	5814.6	7407.9	7353.8	7536.4	3269.1	7964.5
29756.5	8923.5	8029.0	7546.4	5789.4	8389.9	5131.2	7824.2	9324.6	2714.6	13696.2
5709.5	8400.0	8522.1	8646.7	10479.1	8691.3	9406.4	9314.1	7256.4	5992.0	10726.3
15896.0	10372.7	9270.3	8828.0	8227.2	9801.4	6741.3	8549.2	11550.7	4454.7	11787.4
19297.8	10164.0	9284.2	9540.9	8659.8	9824.1	8556.7	9775.4	12842.5	5821.3	12873.1
1966.2	5790.9	6845.5	7820.4	7472.3	7323.9	7581.9	7494.4	5023.3	2432.6	7787.6
191.4	871.1	944.7	1175.2	1577.5	996.8	974.0	1284.1	756.0	112.5	397.4
4246.9	8626.7	8615.1	8217.1	9022.9	7636.1	7409.5	8242.2	8301.1	4897.4	10399.8
11829.0	6729.4	8212.2	9682.5	7593.1	7879.7	6058.1	7824.5	9303.5	6119.6	9125.7
3936.0	7106.6	8950.9	9806.3	9239.7	8786.6	7878.5	9955.3	7793.5	2002.3	10589.3
4529.1	5191.9	5792.6	6053.9	5655.1	6328.7	3636.3	6427.1	6237.8	2824.2	6150.0
19217.8	9747.7	9401.1	10275.2	10541.3	8817.4	8736.2	11194.5	9787.4	5007.3	16432.8
10615.7	8429.4	8823.9	9266.8	10539.5	8525.7	8360.4	9418.9	9549.2	3014.7	8658.8
2772.7	6488.1	5879.2	6659.5	7114.2	7357.4	5332.6	6317.2	5171.2	2989.9	6527.5
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3771.3	7528.2	8175.9	8707.4	8733.1	7159.6	6517.6	7513.5	7859.6	4543.5	7138.2
103.0	70.0	74.5	105.7	56.8	74.8	61.5	104.7	34.3	15.9	53.6
3504.9	9955.2	9401.8	9309.9	8647.8	9123.3	7530.5	8148.6	7517.7	7943.6	7405.4
20203.8	12028.7	10547.0	9917.9	8545.0	10063.3	9364.1	8331.5	11728.7	8889.3	12446.4
2289.6	8171.2	7739.6	7427.8	8835.6	7489.0	6707.2	6948.2	8563.5	5688.9	6674.2
13126.7	13056.1	13354.8	12978.6	13287.4	13001.2	10257.0	11878.6	12466.6	8181.9	18004.9
11335.3	7503.0	7918.7	7809.6	8723.0	7692.6	10916.6	7505.1	7664.1	6782.2	10664.2
702.3	8624.3	8813.2	6145.0	6661.4	9391.6	4643.6	7414.6	5453.7	5608.8	9956.9
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1444.8	8909.5	8332.2	9599.3	9591.8	9699.5	6907.0	9095.5	10212.0	9611.3	14333.6
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9228.2	8345.0	3528.2
6058.4	6045.3	2523.9
10433.6	9344.5	6180.4
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4557.3	5942.9	2905.2
3042.1	4299.8	2235.8
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AY947980.1 gg_id:142570 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY9479
DQ854970.1 gg_id:164474 Hydrogenophaga sp. str. GPTSA14 DQ854
AF019037.1 gg_id:6953 Hydrogenophaga intermedia str. S1 AF0190
AF508103.1 gg_id:66240 Variovorax paradoxus TG27 AF5081
DQ256326.1 gg_id:141917 subsurface water clone EV818BHEB5102502DRLWq27f021 DQ256
AM777949.1 gg_id:237044 nonsaline . Influence pore-size filters determination structure alkaline groundwater AM777
DQ824747.1 gg_id:173960 human fecal clone RL185_aaj72f07 DQ824
AB195164.1 gg_id:108969 Comamonas sp. str. PD-10t AB1951
AJ853614.1 gg_id:111232 landfill leachate clone GZKB122 AJ8536
AB294326.1 gg_id:204877 Microbial structure deep coal seem groundwater stream clone SWB15 AB2943
DQ234232.2 gg_id:141836 determined library mangrove clone DS150 DQ234
AY218568.1 gg_id:81130 penguin droppings sediments clone KD2-104 AY2185
EU104128.1 gg_id:352511 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1041
EF469609.1 gg_id:224686 Pseudacidovorax intermedius str. CC-CC21 EF4696
EF580985.1 gg_id:279450 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM5(EF5809
AY823974.1 gg_id:148639 Investigation Acetate-Fed Denitrifying Microbial Stable Isotope Probing Full-Cycle an AY8239
EU037911.1 gg_id:235933 Metabolic Profiles Microbial Chlorinated Pesticides Contaminated Sites Three Geogr: EU0379
AJ585992.1 gg_id:97176 Hydrogenophaga atypica str. BSB 41.8 AJ5859
AB077037.1 gg_id:78049 Macromonas bipunctata str. IAM 14880 AB0770
FJ382319.1 gg_id:572939 Potentially pathogenic and air stem cell transplant summer hospital shower water BM FJ3823
AY863093.1 gg_id:112155 wastewater treatment pool clone SXAU055 AY8630
DQ337093.1 gg_id:146820 subsurface water clone EV818SWSAP75 DQ337
DQ824754.1 gg_id:184303 human fecal clone RL185_aaj72g06 DQ824
AY947966.1 gg_id:141254 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY9479
Z93993.1 gg_id:6940 activated sludge clone T60 Z93993
FJ598354.1 gg_id:552978 Study Prokaryotic Some Selected Niches Western Ghats India water clone BCWCWP1 FJ5983
AM110076.2 gg_id:250992 Hydrogenophaga sp. str. Rs71 AM110
AM042694.1 gg_id:161866 Tepidimonas thermarum str. AA2 AM042
AM777993.1 gg_id:251137 nonsaline . Influence pore-size filters determination structure alkaline groundwater AM777
AB271047.1 gg_id:171214 Hydrogenophaga sp. str. Gsoil 1545 AB2710
EF532793.1 gg_id:227420 Hydrogenophaga bisanensis str. K102 EF5327
FJ660572.1 gg_id:561367 Correlation functional stability and dynamics full-scale wastewater treatment plant a(FJ6605
GQ114408.1 gg_id:418439 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw59 GQ114
AF208386.1 gg_id:28592 Variovorax paradoxus str. WP1 AF2083
AY212671.1 gg_id:104415 water 20 m downstream manure clone 223ds20 AY2126
DQ824567.1 gg_id:191848 human fecal clone RL185_aaj69g05 DQ824
DQ349098.1 gg_id:148264 Variovorax limosa str. EMB320 DQ349
GQ008933.1 gg_id:500732 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ008
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AF509578.1 gg_id:91935 intestine clone AF5095

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2619.2	4893.0	5235.5	5330.5	4316.6	6080.7	4570.7	5512.2	4792.1	3520.4	10904.5
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6955.3	6804.6	4419.1
12265.3	10129.8	7753.2
10148.0	10507.3	7582.1
15332.2	12646.7	10168.1
8198.6	8293.9	4859.5
7821.8	5987.6	3280.7
5688.3	5529.2	3479.7
4446.7	4677.6	3216.2
3850.3	5482.6	3351.8
4278.8	5321.3	2448.6
5338.4	5488.3	3857.8
6462.2	6484.7	4638.2
2042.2	3522.2	743.0
11503.1	11589.6	9016.0
6711.2	6162.0	3406.9
6795.3	6960.2	4065.5
2222.9	4131.0	2191.9
11663.9	9867.7	7344.9
12275.5	12259.1	9550.1
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5857.6	7153.8	4909.5
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AF143840.1 gg_id:17198 hydrocarbon-degrading consortium clone AF1-8 AF143
GQ022589.1 gg_id:487080 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu31 GQ022
AJ420330.1 gg_id:22998 Xylophilus ampelinus str. DSM 7250 AJ4203
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GQ098554.1 gg_id:393420 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw703e GQ098
GQ076351.1 gg_id:444338 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw36 GQ076
AB473892.1 gg_id:574956 sequences Cadagno di Fuori biofilm mat alpine wetland varying conductivities clone AB473
EF520476.1 gg_id:232460 structure lakes: what controls ? acid-impacted lake clone ADK-MOe02-32 EF5204
EU800578.1 gg_id:356291 It's all ranking aquatic Delaware Bay NJ clone 2C228724 EU800
AF445694.1 gg_id:38957 travertine hot spring clone SM1F12 AF445
AY622243.1 gg_id:107152 subsurface soil clone B-H11 AY622
GQ109099.1 gg_id:417794 Topographical and Temporal Human Skin Microbiome skin palm clone nbw608d11c GQ109
GQ059902.1 gg_id:450072 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ059
GQ023366.1 gg_id:486307 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu317e0 GQ023
EU803910.1 gg_id:347702 It's all ranking aquatic Lake Gatun clone 5C231566 EU803
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GQ115248.1 gg_id:465653 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ115
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AY328735.1 gg_id:90243 drinking water system simulator clone DSSD36 AY328
EF516044.1 gg_id:226128 grassland soil clone FCPT659 EF516
GQ102413.1 gg_id:424237 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
AY861870.1 gg_id:112550 Obsidian Pool prime community clone OPPB150 AY861
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GQ008571.1 gg_id:501094 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ008
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GQ114833.1 gg_id:394958 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl GQ114
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GQ023964.1 gg_id:485707 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbu GQ023

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DQ501302.1 gg_id:194785 Seasonal dynamics free-living and particle- four lakes northeastern Germany freshw DQ501
EU799088.1 gg_id:316265 It's all ranking aquatic Newport Harbour RI clone 1C226647 EU799
GQ115389.1 gg_id:458026 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ115
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EU287088.1 gg_id:245381 Pacific arctic surface sediment clone B78-124 EU287
AY212561.1 gg_id:102445 water 20 m upstream manure clone 10up AY212
GQ090626.1 gg_id:387321 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ090
EU234306.1 gg_id:256947 penicillin G production wastewater receiving river and un techniques upstream Wan EU234
EF520470.1 gg_id:227823 structure lakes: what controls ? acid-impacted lake clone ADK-HDe02-02 EF5204
FJ535020.1 gg_id:589483 Enhancement protein conversion volatile fatty acids accumulation during addition: ef FJ5350
EU937936.1 gg_id:320002 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
GQ100976.1 gg_id:389741 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw48 GQ100
EU800091.1 gg_id:344929 It's all ranking aquatic Delaware Bay NJ clone 2C228067 EU800
AY250104.1 gg_id:86368 napthalene-contaminated sediment clone 76 AY250
GQ113666.1 gg_id:431848 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ113
GQ096134.1 gg_id:464571 Topographical and Temporal Human Skin Microbiome skin back clone nbw387b07c1 GQ096
EF203185.1 gg_id:213853 phylotypes sediments Lake Kastoria Greece sediment clone Kas105B EF2031
EU589304.1 gg_id:262575 China Ningxia rice paddy field soil clone 2_E2 EU589
EU803706.1 gg_id:315287 It's all ranking aquatic Lake Gatun clone 5C231315 EU803
GQ340183.1 gg_id:564336 Prokaryotic Marathonas Reservoir Greece water column clone K07-73-BAC GQ340
EU800800.1 gg_id:326023 It's all ranking aquatic Delaware Bay NJ clone 2C229012 EU800
AB487042.1 gg_id:572462 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB487
EU800118.1 gg_id:324016 It's all ranking aquatic Delaware Bay NJ clone 2C228106 EU800
GQ103451.1 gg_id:442661 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ103
CU918086.1 gg_id:541772 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU918
EF157142.1 gg_id:254138 Microbial natural asphalts rancho la brea heavy oil seeps Rancho La Brea tar pits clon EF1571
GQ023051.1 gg_id:486618 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ023
GQ101039.1 gg_id:384924 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw48 GQ101
EF562037.1 gg_id:247406 Subsurface microbial deep-granitic-fracture water colorado Henderson Molybdenum EF562
AB286619.1 gg_id:206338 Reducing production and domination comamonadaceae reducing oxygen supply was AB286
EU801359.1 gg_id:354682 It's all ranking aquatic Chesapeake Bay MD clone 3C002625 EU801
AY102324.1 gg_id:65461 heavy metal-contaminated soil clone a13125 AY102
FJ612149.1 gg_id:586108 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP3.2.54 FJ6121
AB286606.1 gg_id:209495 Reducing production and domination comamonadaceae reducing oxygen supply was AB286
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GQ037265.1 gg_id:429168 Topographical and Temporal Human Skin Microbiome skin palm clone nbu391b06c1 GQ037

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12999.4	8787.6	9457.6	10362.0	9323.8	9106.5	8557.7	9154.6	7313.9	6824.7	11471.0
17570.4	14367.6	12962.4	12915.7	10261.9	13241.8	10417.6	11421.7	16559.0	10341.8	16760.2
31276.8	11152.3	10416.1	11326.4	11787.4	10938.6	10828.9	9852.4	15306.2	12253.2	16489.5
5753.2	7338.2	6871.6	7474.8	8315.6	7791.0	6538.3	7605.0	5632.6	9574.1	9177.9
19060.3	9628.4	8947.0	7910.9	8797.4	8731.4	5949.8	9061.4	9097.7	9750.0	14642.2
10190.8	9886.2	8372.5	9021.5	8793.3	9447.6	7560.5	8396.0	12447.0	4868.1	15731.1
3029.6	11924.0	10369.7	8724.5	8989.5	10150.1	7721.6	9329.7	9728.3	5349.0	16931.4
11425.5	12453.6	11728.4	14094.7	14374.1	13138.1	13106.9	11907.0	12083.5	10100.1	15491.0
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10938.5	15010.2	12578.9	12907.2	11458.2	12513.5	9603.4	11320.4	16153.8	11004.7	16923.2
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9919.5	7439.9	7522.4	9018.2	9332.7	8330.3	11441.7	8822.1	8430.7	10884.7	10871.2
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14480.9	9919.7	8987.1	10125.9	10270.9	9841.7	9183.0	9156.3	10031.3	7889.8	13310.6
15986.3	7686.3	7796.9	8274.9	9326.1	8438.6	6680.0	8939.8	9064.0	10875.8	13453.9
883.5	3898.7	6075.1	6331.3	7052.0	5139.0	5732.9	4773.6	3841.1	1603.1	4789.3
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AY861814.1 gg_id:112662 Obsidian Pool prime community clone OPPB083 AY8618
EF516381.1 gg_id:223622 grassland soil clone FCPS464 EF5163
EF157145.1 gg_id:253142 Microbial natural asphalts rancho la brea heavy oil seeps Rancho La Brea tar pits clon EF1571
EU104241.1 gg_id:351875 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
GQ002349.1 gg_id:507313 Topographical and Temporal Human Skin Microbiome skin buttock clone nbu176d04 GQ002
AB286592.1 gg_id:216359 Reducing production and domination comamonadaceae reducing oxygen supply was AB2865
GQ060015.1 gg_id:448535 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ060
AY566579.1 gg_id:108727 Acidovorax sp. str. PG-06 AY5665
GQ102770.1 gg_id:457672 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ102
EF492935.1 gg_id:255248 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4929
EU015090.1 gg_id:239385 Investigation estrogen-degrading bioreactors membrane bioreactor suspension and EU015
DQ451457.1 gg_id:156987 forest soil clone FAC18 DQ451
EU803951.1 gg_id:349195 It's all ranking aquatic Lake Gatun clone 5C231617 EU8039
GQ039298.1 gg_id:450995 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbu41 GQ039
GQ008150.1 gg_id:501515 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ008
EU978837.1 gg_id:545465 and metabolic potential metagenome glacier ice clone glb349c EU9788
GQ075567.1 gg_id:446083 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ075
FJ534986.1 gg_id:513449 Enhancement protein conversion volatile fatty acids accumulation during addition: ef FJ5349
GQ101831.1 gg_id:397741 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw499g11 GQ101
CU918612.1 gg_id:539274 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU918
DQ398882.1 gg_id:155033 24-D amended agricultural soil clone 7 DQ398
DQ984534.1 gg_id:241827 FD oil-contaminated soil clone FD_17 DQ984
AB166780.1 gg_id:107032 EBPR sludge clone UTFS-OF05-33-21 AB166
GQ105774.1 gg_id:449419 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ108883.1 gg_id:403824 Topographical and Temporal Human Skin Microbiome skin palm clone nbw718g05c1 GQ108
DQ234145.2 gg_id:143702 determined library mangrove clone DS061 DQ234
EU104038.1 gg_id:327197 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
EU800160.1 gg_id:353966 It's all ranking aquatic Delaware Bay NJ clone 2C228154 EU800
EF020052.1 gg_id:211171 aspen rhizosphere clone Elev_16S_1456 EF0200
GQ284468.1 gg_id:587567 Acidovorax sp. str. TSWCW24 GQ284
GQ103103.1 gg_id:451643 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ103
GQ038169.1 gg_id:390094 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu38 GQ038
GQ113644.1 gg_id:449285 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ113
GQ059938.1 gg_id:454896 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ059
GQ102459.1 gg_id:466941 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw7 GQ102
GQ047911.1 gg_id:385873 Topographical and Temporal Human Skin Microbiome skin palm clone nbw138h11c GQ047
GQ025075.1 gg_id:456577 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1 GQ025
EU808776.1 gg_id:312672 chloraminated system Prospect Tank clone Pro_CL-100633_OTU-7 EU808
GQ098350.1 gg_id:379750 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw558c GQ098
DQ298342.1 gg_id:155949 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos DQ298

6052.0	15770.5	12613.0	13017.2	13738.6	13987.8	10466.4	12213.3	13177.3	10472.6	23582.1
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7184.2	13077.6	11205.9	11869.0	11902.6	12105.4	10011.1	10711.7	15178.3	8079.0	12060.2
4697.5	5311.8	5141.4	5825.6	4626.8	5345.0	4378.1	4924.8	4699.6	3374.6	6506.4
9975.1	8921.2	10794.1	12870.9	9386.5	9812.9	8924.1	9743.5	9822.3	7781.4	17856.5
13130.6	13722.7	12459.0	13921.9	12779.9	11996.8	12120.5	12506.5	13976.8	10855.1	22269.3
2226.1	7879.7	6654.9	7271.9	4925.8	6712.0	4162.3	5779.5	8353.1	3464.3	7477.7
24687.6	15018.7	12516.0	12194.1	10856.9	13567.2	10022.5	10658.5	19862.4	9813.5	17167.3
12860.2	6887.3	6208.1	7102.7	6407.6	6416.6	4961.1	6860.2	7079.5	5361.7	9206.1
29520.4	14447.1	12197.4	13454.8	12574.0	12170.8	12858.7	11989.4	16245.5	12536.8	19758.3
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1891.6	13801.8	9555.9	7735.1	7732.5	10427.7	6020.2	7906.8	10302.3	8268.9	12215.1
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14814.1	12075.5	10755.4	11230.8	10017.8	10282.2	10519.0	10520.0	11519.6	9719.4	15762.1
9858.9	13255.4	14608.5	12171.9	11392.4	11847.0	9402.0	12656.2	13246.3	8721.7	18010.7
12421.5	8062.0	7297.7	8352.6	9686.3	8689.0	8417.8	7977.2	9334.7	8535.5	12118.2
2742.1	7723.2	7267.4	8457.8	10770.2	6499.0	8811.5	6002.5	6694.4	3866.2	6855.6
12836.8	8095.4	7256.9	7439.4	8350.2	8063.6	5985.6	8235.2	7575.4	9263.2	11748.1
753.4	7421.4	6955.3	8133.9	8642.7	8462.2	7180.6	8463.1	8742.8	5611.8	8074.0
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31445.4	14868.1	12598.0	15085.0	14431.9	13743.5	15162.6	12366.2	18969.3	12428.8	18541.1
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2496.1	7513.8	6074.1	7540.2	8080.9	7303.5	7166.5	8520.6	6556.6	4836.3	14607.4
554.2	6685.1	6590.8	7630.7	8606.5	7358.4	7078.1	8957.7	7028.9	9952.8	14095.9
8539.6	8569.4	8561.2	9185.4	9346.6	9019.2	7448.9	9198.6	8386.3	8951.7	12459.7
5117.2	9155.0	8159.0	9910.5	9218.4	9438.1	7464.8	8436.7	8788.3	8744.8	11655.6
15071.9	13118.8	13707.7	14603.1	13026.9	12087.8	12197.7	11575.1	15530.1	10902.4	16973.3
4316.3	8541.4	8724.0	5079.8	5376.7	8371.7	5308.4	6394.3	6115.4	2669.5	5014.8
9930.8	15388.3	12486.7	13196.0	10960.7	14316.9	10557.5	11120.2	19127.9	7917.3	15550.9
339.9	3445.6	2818.6	2868.7	2822.7	3168.4	2229.1	2797.3	2476.1	2860.8	2490.3
658.3	13098.3	9680.4	9781.4	11054.7	11390.1	7111.4	9692.5	8115.7	6711.7	16972.9
26759.6	9763.5	9075.6	10336.7	9820.9	9392.9	7770.8	9598.1	9627.1	8930.7	16432.8
17598.0	8513.2	7634.5	8469.9	8517.4	8261.9	7622.7	7922.1	7514.4	9486.4	10811.7
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7110.3	9712.4	9988.7	9405.5	10211.7	8926.1	8761.1	8236.7	9804.3	7058.0	7363.4

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7085.8	8581.8	5573.2
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4730.9	6017.3	4250.3
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7308.8	6021.3	3911.2
10103.7	9039.7	5924.5
9669.7	10336.6	8495.3
12478.4	10203.2	6551.4
8731.6	8375.5	7694.3
6502.4	5722.5	5641.4
8485.4	6429.7	4270.1
10674.7	7098.5	5461.1
4955.7	5873.2	3655.9
11701.9	13531.2	10936.8
5028.1	3980.2	3116.5
5736.7	7330.0	4566.6
6909.3	8014.5	5398.4
9128.7	7286.7	6003.5
9160.4	7465.9	6101.0
11094.8	10919.9	8810.1
5420.4	5328.1	4153.6
11336.9	10923.8	8881.1
2722.6	3596.6	2569.5
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9631.0	8257.7	6753.8
8147.0	7468.2	6689.9
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6209.0	4938.3	3929.0
7106.4	6027.9	3457.2
12427.4	11534.2	8785.7
10161.3	7372.3	5378.1
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11570.8	10641.5	8831.6
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GQ035810.1 gg_id:404189 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu37 GQ035
GQ022931.1 gg_id:486738 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
EU801144.1 gg_id:342959 It's all ranking aquatic Delaware Bay NJ clone 2C229491 EU801
GQ037854.1 gg_id:372737 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc GQ037
GQ008577.1 gg_id:501089 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ008
EU735719.1 gg_id:348978 Biological Arsenic Remediation Project Groundwater Aquifer soil clone 2As11 EU735
GQ024544.1 gg_id:485126 Topographical and Temporal Human Skin Microbiome skin palm clone nbw123f01c1 GQ024
Z93972.1 gg_id:6958 activated sludge clone T19 Z93972
EU104165.1 gg_id:345705 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
EU801192.1 gg_id:334983 It's all ranking aquatic Chesapeake Bay MD clone 3C002436 EU801
DQ230947.1 gg_id:144759 subsurface water clone NO27FW100501SAB47 DQ230
AY947979.1 gg_id:144564 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY947
AY168733.2 gg_id:136160 Oxidizing Biofilms: Cultivation Approaches and Rates Arsenite Oxidation arsenite-oxi AY168
GQ082954.1 gg_id:450051 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ082
DQ017926.1 gg_id:137000 upland stream clone S-Rwb_36 DQ017
GQ076185.1 gg_id:449255 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw36 GQ076
EU907888.1 gg_id:306159 Identification hexahydro-135-trinitro-135-triazine (RDX)-degrading microorganisms v EU907
GQ094377.1 gg_id:394271 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ094
GQ105741.1 gg_id:438927 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw5 GQ105
GQ098862.1 gg_id:436788 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw558a GQ098
EU676430.1 gg_id:302458 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals EU676
GQ249361.1 gg_id:547824 Research on biodiversity sludge bioflim Biological Aeration Filter clone A17 GQ249
EU800119.1 gg_id:341614 It's all ranking aquatic Delaware Bay NJ clone 2C228107 EU800
EU801154.1 gg_id:314075 It's all ranking aquatic Delaware Bay NJ clone 2C229504 EU801
EU735706.1 gg_id:337175 Biological Arsenic Remediation Project Groundwater Aquifer soil clone 1As18 EU735
AF502223.1 gg_id:59344 EBPR sludge lab scale clone HP1B35 AF502
EF516428.1 gg_id:220686 grassland soil clone FCPP550 EF5164
GQ009720.1 gg_id:499945 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw77 GQ009
DQ178978.1 gg_id:139068 Variovorax dokdonensis str. DS-43 DQ178
DQ432053.1 gg_id:154227 Variovorax koreensis str. GH 9-3 DQ432
AY160868.1 gg_id:95932 termite intestinal tract clone COB P5-8 AY160
AJ420329.1 gg_id:35360 Variovorax paradoxus str. DSM 66 AJ4203
EU169184.1 gg_id:247107 Variovorax paradoxus str. B54 EU169
DQ257419.1 gg_id:141979 Variovorax paradoxus str. CAI-26 DQ257
DQ256486.1 gg_id:144358 Variovorax paradoxus Jm111 DQ256
AB269775.1 gg_id:209527 Variovorax paradoxus str. HYK0512-SK12 AB269
EF641108.1 gg_id:279410 Variovorax paradoxus str. TBEA6 EF6411
FJ214196.1 gg_id:342494 Co-speciation earthworms and their nephridial symbionts nephridia clone Ai3-13 FJ2141
FJ214173.1 gg_id:327535 Co-speciation earthworms and their nephridial symbionts nephridia clone Lf3-5 FJ2141
FJ214186.1 gg_id:315987 Verminephrobacter sp. str. At4 FJ2141
AJ543434.1 gg_id:83899 nephridia Octolasion lacteum clone Ol2-2 AJ5434

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10256.9	8280.1	8057.3	9727.8	9781.6	8541.4	8310.1	8179.7	8990.8	7294.4	12068.6
3879.4	6660.0	5515.6	6106.9	5675.1	4901.5	5748.1	5121.6	6754.0	3700.2	4188.9
26757.8	11036.3	9831.3	10851.5	10957.0	10459.9	8553.6	10273.1	10885.7	10327.5	18443.5
22801.6	12958.5	11696.2	13161.1	12887.6	12406.1	11838.6	11985.9	16480.1	13606.8	17909.4
18575.8	11484.6	10347.4	11442.1	11315.9	10360.4	9819.4	9927.8	11094.7	8265.4	16402.3
7100.1	13132.4	10651.6	9179.2	8454.9	12043.2	5928.0	8514.9	16950.9	8851.6	10989.0
11383.2	13819.5	14538.2	15693.8	12511.6	14554.9	11760.8	12680.3	14471.5	8894.1	21370.9
14328.2	7144.6	6645.7	8089.7	7278.0	7340.8	7760.4	7149.7	8067.7	7551.1	11617.1
3668.1	13417.3	12105.8	13217.2	11146.6	11749.6	11212.4	10129.9	14689.6	9389.6	13233.3
5675.2	7021.4	7158.9	7779.8	6713.6	6901.7	7288.9	6945.0	7408.4	4956.7	11647.4
8405.3	16441.4	12740.6	14780.1	14983.7	12331.1	10516.3	13449.9	15087.7	8258.0	18888.1
11195.4	11186.8	10563.5	12994.5	12698.2	12260.7	12489.1	10015.5	10847.2	16464.5	13585.0
28797.2	13089.1	11886.8	13309.6	13182.0	12651.0	12255.9	11393.9	16952.9	15477.1	19402.8
7771.5	7455.9	8125.1	8276.0	7015.4	8052.7	6444.0	7223.8	7662.8	6304.8	9414.9
10414.5	4726.0	5117.7	5708.1	6193.6	5951.7	5191.3	5309.9	6816.4	7067.3	8190.1
2299.8	10180.5	9740.4	11118.4	10332.8	9876.4	9982.7	10000.9	9950.8	4336.3	11281.2
17189.2	9824.2	9178.6	10657.5	10897.8	9988.5	9080.0	10000.7	10924.2	9453.6	14534.4
15988.5	8207.9	7712.3	9028.2	9100.8	8386.4	7674.5	8377.8	9237.9	7862.2	12637.2
20739.6	11925.6	11132.2	12159.4	11357.5	11013.0	9971.6	12808.3	13198.8	11347.6	21461.5
657.7	9899.7	8531.9	10057.4	8563.4	8863.2	7504.2	9233.6	7821.9	4733.1	10571.1
8785.1	9441.5	8836.8	8358.1	8200.1	8482.6	6739.3	7564.0	8729.1	5479.7	10587.9
7881.5	6196.0	6494.5	6905.8	6966.3	5933.7	4959.1	8507.8	7697.7	6190.6	9788.2
10445.0	14550.9	11774.5	9479.9	7811.7	11752.7	7433.2	9016.9	13278.6	10987.5	13545.6
5777.9	9024.5	6941.0	9579.0	9174.1	6341.7	7438.0	7488.9	6494.7	3845.5	9975.6
2007.2	7095.7	8830.3	10431.9	11050.8	8509.3	10125.3	9724.8	8096.5	8251.7	13545.0
4031.1	4631.0	2935.4	2873.3	4251.8	4255.2	3864.0	3689.9	2312.2	2277.0	3148.4
1088.5	6949.5	5153.0	4788.8	4718.8	5384.3	6133.4	4486.2	3670.9	3163.6	3752.4
354.2	6309.0	4059.2	3635.8	3922.3	4405.7	3644.8	4269.7	2485.2	4041.2	6159.2
4217.2	11983.9	8975.9	7157.6	7457.7	10416.2	5201.6	7486.5	11299.8	4711.6	11802.9
12882.4	12050.6	9579.4	9585.9	10002.9	10947.9	9352.4	9555.1	11514.4	8779.9	17108.1
6999.4	11510.5	9321.5	10349.2	10112.2	9934.3	9498.2	8687.8	11514.7	6548.7	11607.2
2695.6	10611.2	6992.3	6650.6	6937.9	6968.7	6158.6	5161.8	8601.0	2142.1	5698.2
5041.3	11882.7	7887.0	7974.1	8082.7	7671.8	6991.5	6650.6	6425.7	7237.1	8193.8
8468.5	7039.2	5954.8	5815.4	6380.0	5905.0	5342.5	5476.5	6431.8	6717.9	7998.1
29819.6	12399.5	10139.9	10610.8	10134.5	10765.3	10804.5	9767.9	11915.0	10059.5	17431.7
1997.6	2481.3	1697.4	1392.3	2172.2	1838.9	1410.9	1568.4	1261.8	2351.1	1739.0
1572.9	9117.1	8968.4	10538.3	10782.8	9380.7	7898.8	9934.3	9106.4	8602.0	16068.4
2674.5	10652.1	9956.8	10082.1	10129.4	11298.5	7855.8	8253.0	12752.7	5154.8	10475.8
13393.3	10114.6	9117.9	9292.3	9440.8	9572.8	8440.5	8844.3	10778.2	6382.2	10474.3
25769.5	9704.8	10233.9	10953.6	9907.8	11147.8	9777.0	9339.3	15074.6	11474.8	16372.8

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12548.1	11541.6	9456.9
9798.4	9639.9	8036.7
8152.3	7345.1	4707.5
10197.4	9778.5	7533.3
6596.6	6826.0	4982.6
11096.5	10216.8	9660.3
5571.9	6848.7	3731.2
11234.4	11674.4	7194.6
10780.8	8646.7	6417.3
12599.6	12398.1	11569.7
6936.5	7035.6	4909.8
6073.8	6407.6	4229.0
9833.6	9027.5	6789.1
9850.8	8474.4	7515.9
7925.3	7133.1	6430.1
11981.0	11337.0	7134.4
8122.3	7211.5	4977.4
8312.6	7500.6	4639.9
10076.9	5144.4	2917.4
7773.3	7558.2	4064.5
6246.8	6774.4	4517.6
10187.1	9386.9	6433.2
3179.8	3884.7	3560.8
4992.5	4701.5	3724.0
4123.7	4016.4	2086.4
6610.3	6003.5	4284.8
8594.6	9188.3	7783.5
9465.0	7906.5	5431.5
6234.3	5912.8	3192.9
7933.0	6739.4	4945.9
6103.9	5520.2	4388.6
9281.8	10692.1	9336.3
2111.5	2231.0	1220.3
9808.0	9462.8	6619.9
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9220.5	10288.8	8977.2

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FJ214204.1 gg_id:340860 Co-speciation earthworms and their nephridial symbionts nephridia clone Ach5-9 FJ2142
DQ327663.1 gg_id:146840 Verminephrobacter foetidai str. EF01-2 DQ327
DQ327662.1 gg_id:149224 Verminephrobacter foetidai str. EF01-1 DQ327
NC_008786.1 gg_id:179440 Verminephrobacter eiseniae str. EF01-2 NC_00
GQ066930.1 gg_id:374294 Topographical and Temporal Human Skin Microbiome skin back clone nbw730f08c1 GQ066
FJ605423.1 gg_id:430937 Xenophilus aerolata str. PR-1 FJ6054
NR_025114.1 gg_id:571390 Xenophilus azovorans str. KF46F; DSM 13620 NR_02
EF079087.1 gg_id:247480 Ideonella sp. str. K5.1 EF079
DQ664241.1 gg_id:164847 Ideonella sp. str. IMCC1722 DQ664
AB476705.1 gg_id:547214 SSU sequences prokaryotes inside emergency Gotthard road tunnel Switzerland sulf AB476
AJ421931.2 gg_id:51718 Germany:Elbe River clone Elb197 AJ4219
EU104142.1 gg_id:336502 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
EF572731.1 gg_id:231452 Coco's Island site 23 marine clone S23_830 EF5727
CU466908.1 gg_id:356048 Evry wastewater treatment plant anoxic basin clone CU466
EU340221.1 gg_id:251319 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU340
NR_025916.1 gg_id:555018 Leptothrix discophora str. SS-1; ATCC 43182 NR_02
EU130970.1 gg_id:243909 Methylibium sp. BAC115 EU130
AM774413.1 gg_id:239835 Rivibacter subsaxonicus str. BF49 AM774
EU130974.1 gg_id:236153 Methylibium sp. BAC199 EU130
AJ422161.2 gg_id:25579 Germany:Spittelwasser River clone Spb111 AJ4221
EF516772.1 gg_id:225864 grassland soil clone FCPP576 EF5167
AM697195.1 gg_id:217417 sequencing libraries indoor dust clone BF0001C036 AM697
FM209333.1 gg_id:571602 Microbial Negev desert s sand soil clone 1250 FM209
AY382153.1 gg_id:136994 enriched nonylphenol ethoxylates activated sludge clone S1B10 AY382
AY218641.1 gg_id:81483 penguin droppings sediments clone KD4-64 AY2186
EU536904.1 gg_id:287179 profile human microbiota antecubital fossa (inner elbow) skin clone nbt223f06 EU536
AM777983.1 gg_id:239229 nonsaline . Influence pore-size filters determination structure alkaline groundwater AM777
FM209332.1 gg_id:537782 Microbial Negev desert s sand soil clone 225 FM209
EU499698.1 gg_id:274988 Field-based laboratory stable isotope probing surveys identities both aerobic and an EU499
EF515904.1 gg_id:226906 grassland soil clone FCPP759 EF5159
AY771860.1 gg_id:108580 wastewater treatment pool clone SXAU009 AY7718
DQ837237.1 gg_id:248403 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_2B_11 DQ837
AB240506.1 gg_id:142476 microbial structure rhizosphere biofilm Sapporo root-base (80 160 mm) Phragmites AB240
FJ893771.1 gg_id:540262 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota B1E; ear pu FJ8937
AY921694.1 gg_id:114102 farm soil clone AKYH1130 AY9216
GU208509.1 gg_id:580636 Study on Sediment Dongping Lake sediment clone Shf4-24 GU208
AF280853.1 gg_id:24241 bioreactor clone mle1-19 AF2808
AY218657.1 gg_id:103477 penguin droppings sediments clone KD9-144 AY2186
EU907887.1 gg_id:309250 Identification hexahydro-135-trinitro-135-triazine (RDX)-degrading microorganisms v EU9078
EU362134.1 gg_id:305378 and Mesquite Flats Site Death Valley dune sand clone 5 EU362
EU491350.1 gg_id:259064 Abundance and microbial life ocean crust seafloor lavas Hawai'i South Point X3 clone EU4913

2235.6	8614.5	9338.0	9916.2	7921.7	9568.8	9295.9	8332.0	9985.2	5889.1	11254.0
11421.3	6451.9	6003.7	5284.3	5269.9	5838.5	5022.4	5187.6	6731.3	4880.6	8622.3
34028.7	12511.6	11056.4	12267.8	11126.5	11654.9	11351.3	10908.2	14487.8	10741.6	17330.4
12676.4	9861.8	8970.4	8760.5	9063.0	9255.9	7849.0	8786.6	9769.8	7714.0	13255.4
4853.1	9702.9	8510.7	9725.0	10529.3	9834.8	8423.1	9915.4	8593.4	8758.6	13928.1
276.5	7087.3	6156.3	5867.8	7103.5	7118.4	4887.0	6204.4	5423.9	4976.2	9988.6
5688.4	13958.1	11527.7	10953.5	10003.7	11404.8	10160.4	10396.0	11131.9	9329.7	18363.5
3009.8	6164.0	6970.0	7714.0	10683.7	6364.2	6824.8	8891.8	7654.0	2535.7	7199.7
8378.5	5031.6	6345.8	7255.1	8627.2	6167.2	7148.5	7521.9	6406.8	2576.7	5747.7
10394.1	7610.4	9054.1	8655.4	8712.1	8280.8	9298.0	9988.7	7460.8	5782.2	13288.3
16897.7	7738.2	8118.1	9298.5	8965.0	8732.0	9361.1	8800.9	8614.0	4819.5	13547.2
2342.2	5037.9	7344.0	6936.6	8577.2	6230.7	7378.0	8631.3	5377.1	5356.7	9231.7
11031.2	11796.0	11768.3	12466.4	12442.9	11901.8	12899.8	12600.0	13311.3	8169.1	16620.0
16159.8	7449.3	8212.0	8767.0	8455.2	7864.8	8809.2	9515.4	8432.1	5254.5	12139.8
10839.6	5312.9	7175.4	8390.6	7845.6	5993.9	6340.5	7257.8	6332.9	1368.2	5777.4
9174.6	7356.4	7233.4	6440.2	5903.3	9385.8	4684.2	8144.3	9182.8	3224.4	9052.5
8376.2	11251.6	9556.2	9178.2	10317.6	10744.6	9589.8	10578.5	11118.7	7239.8	12257.0
17835.2	14387.1	11632.3	12551.7	11441.5	13533.2	12110.1	12311.7	18901.8	5853.7	14901.0
12990.8	11092.8	10987.6	11213.1	11777.7	11020.3	12082.7	10379.7	9793.1	4780.3	13142.1
13974.3	8825.3	8391.0	9223.2	9139.3	9191.6	9548.3	8940.5	8436.2	4045.5	11424.0
9191.4	10840.9	10989.8	11911.0	12899.9	11909.8	11230.7	12152.6	10855.2	6439.9	17011.6
18476.8	12661.3	12229.7	12473.8	13481.7	12297.5	12607.6	12494.6	13310.1	8717.0	18157.8
4699.5	2953.1	3660.5	4081.3	4264.6	4062.2	4447.7	4016.7	2562.0	1381.1	6137.5
6466.6	7673.4	7950.3	7969.5	10772.4	8052.2	8381.3	8381.5	5650.4	2491.4	9353.1
40301.6	6935.4	6946.2	7388.2	7509.6	6705.9	7808.4	6570.0	11353.7	9155.1	13580.8
18101.0	8751.4	8594.2	9491.1	10698.1	8229.8	9235.1	8705.0	8205.4	6394.8	15187.7
21611.7	11447.0	11059.8	9775.1	10870.7	10812.5	9982.9	9557.6	9010.5	5606.2	10490.2
5221.0	10582.0	9073.9	8412.3	10349.5	10116.7	7656.1	9349.9	8350.6	5061.9	10056.5
8737.3	6622.4	7228.3	8832.8	7625.1	7516.1	8465.1	7867.5	7429.2	3333.4	10803.0
2451.3	6760.1	7512.3	7539.2	8697.5	6903.5	7563.4	7265.1	4588.8	3046.7	6581.6
846.4	971.6	1205.8	1174.0	1162.1	841.8	851.2	1186.8	674.7	222.2	676.6
16090.9	7954.5	8064.6	9418.0	8737.5	8391.4	9818.0	8214.4	9244.7	4721.9	11782.2
8509.1	7593.9	7627.8	6836.2	9008.2	8051.9	8177.3	8569.3	7834.4	4551.1	10359.6
36183.8	11183.4	12539.4	14360.8	14881.5	11008.2	13885.9	12276.3	11717.5	7413.1	18998.0
16935.3	12209.5	10957.9	12451.5	14410.4	12768.9	12227.2	12073.0	15512.9	10629.4	14474.2
15247.7	9713.6	11009.9	12352.9	13145.7	11965.7	11693.9	12753.4	9459.4	4133.7	17457.4
16807.7	8604.0	8591.8	9790.8	9444.1	9807.5	8239.2	8294.5	10078.5	4075.6	9459.6
9334.7	4106.9	4616.1	4461.0	5504.7	4232.2	4731.4	4720.3	4307.4	1813.5	4240.2
12826.3	8926.2	9430.6	8987.0	9989.8	9081.5	8891.1	10219.3	8963.4	7516.5	12666.5
11040.6	6313.9	7451.3	7328.6	7112.8	6230.9	8828.3	6689.1	5294.2	2569.3	5781.1
22533.2	9375.1	9276.0	10587.1	9104.8	10269.8	9705.5	9029.8	12036.5	8893.7	14159.2

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10427.8	12469.4	9006.2
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9174.5	6799.6	3332.5
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11957.6	9994.5	6893.7
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12660.6	10771.3	8858.5
11777.8	8968.5	8242.7
8368.2	7853.1	6473.0
11188.1	9658.5	6915.8
11632.9	11233.8	7775.1
2912.2	4263.5	2019.1
8037.6	6206.0	5444.5
6413.3	7534.6	4907.2
9139.2	7645.8	6815.7
9363.3	8565.1	6869.8
9144.8	7672.2	5314.0
9846.0	7556.4	4320.1
6650.7	6803.3	5487.2
880.4	1793.5	410.1
7546.5	8785.3	4780.6
8738.2	7906.1	3881.4
13489.7	11887.0	10245.4
11722.8	11209.6	9342.4
12426.9	10339.4	7606.1
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4845.2	4263.2	2449.2
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8626.9	10598.3	8395.6

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EF580947.1 gg_id:279576 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM7 EF5809
AM412128.1 gg_id:239980 Aquabacterium sp. str. P-130 AM412
AY212562.1 gg_id:102602 water 10 m downstream manure clone 110ds10 AY2125
AM697083.1 gg_id:226216 sequencing libraries indoor dust clone BF0002B033 AM697
EF999406.1 gg_id:246240 Vertical and Methanotrophs Estuarine Sediments Pearl River Estuary sediments 50cn EF9994
AY218638.1 gg_id:81258 penguin droppings sediments clone KD4-58 AY2186
GQ043432.1 gg_id:389491 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw96 GQ043
DQ676448.1 gg_id:221331 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
EU283391.1 gg_id:236412 consecutively aerated submerged treating domestic wastewater activated sludge m EU2833
AB252909.1 gg_id:164634 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 181 AB2529
FJ478501.1 gg_id:554081 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4785
EU639232.1 gg_id:317724 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n EU6392
DQ298309.1 gg_id:153016 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos DQ298
FM872725.1 gg_id:366825 occupant source house floor dust clone FB01B01 FM872
EF515947.1 gg_id:223606 grassland soil clone FCPT445 EF5159
EF522266.1 gg_id:217402 Endolithic Microbial Ecosystems Rocky Mountain endolithic sandstone clone FQSS04 EF5222
EU881306.1 gg_id:304030 (maize-sweet cropping field) Karst region maize-sweet potato cropland soil clone KM EU8813
FJ478963.1 gg_id:511130 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4789
DQ640690.1 gg_id:234716 full-scale EBPR sludge clone Skagenf14 DQ640
EF516703.1 gg_id:226711 grassland soil clone FCPT716 EF5167
FJ592525.1 gg_id:547327 Fumarole-supported islands biodiversity within hyperarid -elevation landscape on Pu FJ5925
EF020021.1 gg_id:214611 aspen rhizosphere clone Elev_16S_1414 EF0200
EF580981.1 gg_id:278694 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1 EF5809
DQ676337.1 gg_id:226112 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
AY856848.1 gg_id:111206 Matsuebacter sp. str. 67 AY8568
AM990542.1 gg_id:277801 Roseateles depolymerans TD CW2-02 AM990
AY281140.1 gg_id:100480 Collimonas fungivorans str. CTO 166 AY2811
AY281150.1 gg_id:105543 Collimonas fungivorans str. NCCB 100029 AY2811
AJ496445.1 gg_id:57762 Collimonas fungivorans str. CTE227 = NCCB100027 AJ4964
GU441679.1 gg_id:514468 Collimonas sp. str. Cr9-30 GU441
GU213333.1 gg_id:560017 Herminiimonas sp. str. 4-96 GU213
AJ238357.1 gg_id:7300 Herbaspirillum frisingense str. 75B AJ2383
EU399917.1 gg_id:267481 Herbaspirillum frisingense str. CAF263 EU3999
AJ238358.1 gg_id:7301 Herbaspirillum frisingense str. GSF30 AJ2383
FJ657665.1 gg_id:555967 Herbaspirillum frisingense str. B416 FJ6576
AB094401.1 gg_id:69647 Herbaspirillum chlorophenolicum str. CPW301 AB0944
EU549858.1 gg_id:302270 Herbaspirillum frisingense str. AU14559 EU5498
EU399918.1 gg_id:275308 Herbaspirillum frisingense str. CAF265 EU3999
AB021424.1 gg_id:7295 Herbaspirillum rubrisubalbicans str. ATCC 19308T AB0214
AJ238356.1 gg_id:7299 Herbaspirillum rubrisubalbicans str. M4 AJ2383
AY191273.1 gg_id:80182 Herbaspirillum seropedicae str. Z152 AY1912

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13559.2	7640.6	7824.4	8915.1	10704.7	7986.7	8992.0	8334.6	7973.9	4110.2	9158.4
6107.9	6700.0	8535.2	9182.3	11144.5	12782.8	8005.5	14662.5	6177.7	3296.0	18999.4
11005.9	8843.4	9031.2	9423.7	9219.6	10494.8	10255.8	10305.8	7990.4	4627.5	11918.3
4906.2	5464.8	5709.7	6436.2	6443.8	5211.4	8235.4	5490.5	4212.1	3203.7	4887.4
3028.2	2200.7	2138.0	2119.8	1672.4	1909.8	2120.4	989.4	2926.9	1742.6	3008.9
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3667.9	9804.3	10068.6	9102.5	10386.8	9793.7	10431.0	8762.4	9376.7	4669.5	9742.4
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15369.5	12984.9	13432.9	13467.5	15113.2	12795.8	14180.1	14404.8	13017.5	11594.1	20594.9
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18699.8	14841.1	13572.8	14659.8	16733.3	14290.9	15448.9	14025.7	16815.6	10101.9	19092.6
4168.5	5531.9	5458.5	5878.9	5420.2	5547.2	5703.1	5951.2	6268.2	1917.4	7619.0
8721.5	7769.5	8074.2	7544.5	8602.8	7124.7	8549.3	7983.6	6410.7	2257.0	13097.8
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23925.5	13943.4	12287.5	12822.3	13713.7	12701.3	13109.9	10806.9	16264.4	9805.7	19057.6
5671.0	9574.5	10767.7	10702.8	10802.8	9024.5	9614.7	9920.5	7646.3	5717.5	9240.6
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9892.1	8929.8	5359.1
8865.6	7846.0	7179.6
13384.1	10083.8	9332.7
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15246.6	12749.4	9096.5
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EU549854.1 gg_id:299483 Herbaspirillum seropedicae str. AU14073 EU5498
AY191274.1 gg_id:80833 Herbaspirillum seropedicae str. ZA95 AY1912
AY191272.1 gg_id:80181 Herbaspirillum seropedicae str. ZA69 AY1912
AF361023.1 gg_id:74451 Herbaspirillum sp. str. NAH4 AF3610
AJ505863.1 gg_id:58574 Herbaspirillum sp. str. PIV-34-1 = DSM 14683 AJ5058
AY043371.1 gg_id:63615 Pseudomonas huttiensis str. AU2210A AY0433
GU433469.1 gg_id:528777 Herbaspirillum huttiense str. CCBAU 61429 GU433
EU024131.1 gg_id:243525 Herbaspirillum huttiense str. CIP 103296 EU0241
AJ583172.1 gg_id:94668 radioactive site ground water clone S15B-MN104 AJ5831
AY049039.1 gg_id:47876 Pseudomonas huttiensis str. D AY0490
AJ238359.1 gg_id:7302 Herbaspirillum frisingense str. Mb11 AJ2383
AB021366.1 gg_id:7292 Pseudomonas huttiensis str. ATCC 14670T AB0213
FJ266340.1 gg_id:534872 Herbaspirillum rubrisubalbicans str. RFNB30 FJ2663
FJ605419.1 gg_id:404943 Herbaspirillum rubrisubalbicans str. PPs-3 FJ6054
NR_028656.1 gg_id:584170 Herbaspirillum putei str. 7-2; IAM 15032 NR_028
AY191276.2 gg_id:80103 Herbaspirillum seropedicae str. M2 AY1912
AB512142.1 gg_id:564904 Herminiimonas fonticola str. da Costa S-94 (=CIP 108398 =LMG AB5121
AB512141.1 gg_id:546345 Herminiimonas saxobsidens str. NEU 1218 (=DSM 18748 =CCM 7436) AB5121
EU133873.1 gg_id:251868 tallgrass prarie soil clone FFCH17907 EU1338
GU244359.1 gg_id:593835 Janthinobacterium sp. str. Lc10-8 GU244
EU847234.1 gg_id:353532 Janthinobacterium sp. str. blxAG EU8472
FJ894020.1 gg_id:555629 Matriptase-deficient mice exhibit ichthyotic selective shift skin microbiota B1E; ear pu FJ8940
FJ193906.1 gg_id:313175 Genetic inventory 'KSC-Astrotek' spacecraft assembly clean room during DAWN missi FJ1939
EU536428.1 gg_id:285908 profile human microbiota antecubital fossa (inner elbow) skin clone nbt213f12 EU5364
AF529096.1 gg_id:62419 trichloroethene-contaminated site clone ftl206 AF5290
EU982453.1 gg_id:341939 Enrichment and detection moderate thermophilic microorganisms vents Lau Basin h EU9824
AY792243.1 gg_id:119507 Humic Lake clone CrystalBog5B11 AY7922
FJ267554.1 gg_id:308624 Massilia sp. str. II_Gauze_W_12_10 FJ2675
DQ228653.1 gg_id:142568 Microbial colonizing mineral surfaces within sulfide-microbial incubator clone CH2b1 DQ228
FM209304.1 gg_id:571521 Microbial Negev desert s sand soil clone 2321 FM209
AM412135.1 gg_id:241097 Massilia sp. str. P-118 AM412
GQ354568.1 gg_id:556334 Naxibacter sp. str. HMD2167 GQ354
EU221406.1 gg_id:235543 Massilia timonae str. H2P8 EU2214
GQ015305.1 gg_id:494362 Topographical and Temporal Human Skin Microbiome skin palm clone nbw766g11c1 GQ015
FM209303.1 gg_id:536558 Microbial Negev desert s sand soil clone 2220 FM209
GQ098872.1 gg_id:406246 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw558b GQ098
AB487721.1 gg_id:539718 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4877
AY792245.1 gg_id:126195 Humic Lake clone CrystalBog2G3 AY7922
EU431716.1 gg_id:562896 Troglobitic (Cansiliella) on specialized feeding apparatus calcium carbonate (moonmi EU4317
EU244075.1 gg_id:365805 16SrRNA probes river Leine sediment clone sl1354 EU2440

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18842.5	11018.2	9624.0	10072.8	8982.1	9867.8	8562.1	9303.0	9947.0	7114.2	12228.5
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2204.6	5857.2	5322.7	3673.0	3181.3	4591.1	4041.5	4252.8	2823.5	1718.8	3162.3
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3736.6	7243.7	6320.5	4752.9	4104.2	5514.3	5958.6	5129.6	3254.4	3433.3	5364.5
13551.9	10997.2	9226.7	7798.8	6639.9	8092.3	8354.4	7488.9	7489.9	4767.8	8172.6
2178.6	1682.7	1650.7	1567.9	1699.2	1386.6	1726.8	1341.8	1595.7	1315.7	1608.9
15262.3	12395.9	10042.2	8155.8	6758.5	8851.7	8416.7	8374.2	9493.2	7156.1	8815.5
2536.0	7333.3	6046.8	4876.5	3544.8	5271.8	6265.7	5613.9	2915.2	3179.4	4205.4
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3737.4	9853.0	8458.2	6600.7	5337.2	7134.7	7632.6	6865.7	5126.1	4386.6	7550.0
5806.6	10030.9	8410.2	6317.8	5375.4	7427.9	7462.4	6720.9	4918.8	5062.7	6790.3
3902.8	7025.5	5947.0	5317.8	4321.9	6070.7	4216.9	5002.8	6996.5	6170.3	8525.3
1831.5	8141.3	7193.9	4657.3	5101.2	6662.2	4677.4	5663.3	4291.9	2280.0	4849.3
12434.6	8825.3	8568.8	10498.2	9845.0	8812.6	12202.1	8240.0	8035.3	7969.7	11816.7
996.8	5018.7	5299.7	4160.6	3620.3	3720.8	4054.2	4141.7	3228.0	3314.3	2641.6
662.3	7104.4	7602.4	5205.7	4151.9	5883.7	6175.4	6453.4	4017.8	5337.9	5056.5
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20737.7	8587.8	8594.8	8895.8	7661.5	7847.9	9874.6	7902.6	9805.0	6689.9	8813.3
2390.7	5732.7	7147.2	5874.8	4436.7	6076.4	6049.7	6918.1	5616.6	6579.1	5355.8
4809.4	6763.0	8133.4	7247.1	7146.8	8972.6	6446.1	7598.7	6436.3	9785.7	5857.6
818.8	3537.5	5571.3	4360.5	4982.2	3780.6	3985.0	3661.2	3001.5	5603.5	2207.9
4407.5	8109.2	8711.5	8376.9	9640.3	7693.8	6266.2	7903.6	8028.9	10527.4	9435.3
9183.6	7748.6	7643.5	6603.2	6100.6	6741.0	6524.5	6518.4	7754.5	7181.2	9847.2
6781.2	7346.2	7511.4	6933.6	6575.9	6720.5	5290.2	7454.0	7379.4	9290.7	7220.1
1691.2	6111.2	6653.5	7787.8	8713.0	6083.2	6886.1	6955.7	6691.3	6335.3	7185.6
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43.2	1604.1	3400.7	2121.6	1203.1	1336.4	988.5	3128.5	885.6	3046.9	1759.0
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5067.1	8862.6	8933.6	9129.3	7722.1	8197.9	6935.6	7609.4	9914.9	7776.9	9812.1
13525.2	11452.3	11959.2	12886.8	11073.3	10934.4	11280.5	10658.0	11354.9	11153.5	15047.2
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14472.8	10744.5	10372.9	8553.1	7897.3	8418.6	7963.1	8643.4	8373.0	9425.0	10010.2
4195.6	6799.8	9902.0	7167.9	6755.4	6281.9	5855.1	7109.5	6073.5	9250.5	8663.1
3439.8	7293.6	7259.5	7576.9	7027.1	7090.0	6480.2	7124.7	7332.1	6701.2	8601.7
15194.2	10690.9	10985.5	10713.2	9024.8	9850.4	9763.2	10249.7	11165.2	9188.4	13057.5
83.9	2309.9	5006.2	4111.9	3432.9	2402.9	3537.6	3862.9	1210.9	3877.8	3195.8

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7168.2	6588.6	5783.2
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7909.4	10546.5	7155.6
3602.1	4064.9	2791.0
5859.0	5555.9	5516.6
4462.9	4389.5	3771.4
7500.3	6809.7	6183.0
1449.6	2186.1	1397.6
7999.5	7697.9	7133.2
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7210.4	6833.5	6857.2
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5713.9	5475.9	4410.8
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9277.0	9027.9	9163.5
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2459.5	3030.9	3279.6
8568.6	8489.3	7810.9
7557.5	7674.8	6437.7
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4063.5	4463.0	6397.6
9563.2	7677.8	7444.1
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s__Massilia timonae	15029
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FJ192214.1 gg_id:310968 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1922
EU249991.1 gg_id:257841 Massilia sp. str. PmeaMuc24 EU2499
FJ191812.1 gg_id:323439 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1918
AB488284.1 gg_id:569272 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB4882
EU626407.1 gg_id:279407 Massilia sp. str. biosZ4 EU6264
EU373360.1 gg_id:270893 Massilia timonae str. HNL19 EU3733
FJ605429.1 gg_id:456558 Janthinobacterium sp. str. PR-2 FJ6054
FJ191801.1 gg_id:331807 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1918
EU365682.1 gg_id:269884 Massilia timonae str. M-10 EU3656
EU160504.1 gg_id:318413 diagnosis central-venous infections cultivation-dependent and techniques biofilm sc EU1605
EF682966.1 gg_id:246159 Eastern Mediterranean atmosphere clone F27_2E_FL EF6829
GQ021547.1 gg_id:488122 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbu27 GQ021
AB487246.1 gg_id:558053 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB4872
FJ375473.1 gg_id:510182 T-RFLP powerful tool rapid assessment cells microbial fuel cell sheet carbon paper an FJ3754
AB234525.1 gg_id:145411 termite gut homogenate clone MgMjD-103 AB2345
EU274637.2 gg_id:259460 Massilia timonae str. U2 EU2746
AY966001.1 gg_id:115346 Sinobacter luteus str. 101 AY9660
AB487486.1 gg_id:567594 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4874
EU431713.1 gg_id:540535 Troglobitic (Cansiliella) on specialized feeding apparatus calcium carbonate (moonmi EU4317
EF516951.1 gg_id:223889 grassland soil clone FCPU439 EF5169
AJ871463.1 gg_id:110987 Massilia timonae CP183-9 AJ8714
GU377105.1 gg_id:518781 Janthinobacterium sp. str. sptzw14 GU377
AF443584.1 gg_id:88301 semiarid soil clone C-F-25 AF4435
AM412137.1 gg_id:236550 Massilia sp. str. P-127 AM412
AF408326.1 gg_id:34181 Massilia sp. clone KL-11-1-5 AF4083
AM412141.1 gg_id:235451 Oxalobacter sp. str. P-154 AM412
AY512824.1 gg_id:106310 Massilia timonae str. S11 AY5128
EU554441.1 gg_id:275614 Naxibacter haematophilus str. Ag15 EU5544
AY679161.1 gg_id:102382 Naxibacter alkalitolerans str. YIM 31775 AY6791
AB097172.1 gg_id:87579 Janthinobacterium sp. str. J3 AB0971
EU369116.1 gg_id:551576 Janthinobacterium sp. str. AR12 EU3691
AY599723.1 gg_id:102086 fungal ascocarp clone Cl-73-TB2-II AY5997
EU861944.1 gg_id:344291 effects chronic fertilization on alpine tundra microbial implications carbon and cyclin EU8619
DQ537532.1 gg_id:164523 manganese oxidation soil clone JH-GY25 DQ537
AJ582187.1 gg_id:93999 soil near uranium mill tailings clone Gitt-GS-70 AJ5821
AM942544.1 gg_id:517426 Duganella sp. str. dug2 CMI-17 AM942
EU431682.1 gg_id:557117 Troglobitic (Cansiliella) on specialized feeding apparatus calcium carbonate (moonmi EU4316
EF575562.1 gg_id:234460 Duganella sp. str. BD-a14 EF5755
GQ339887.1 gg_id:580212 Massilia sp. str. MK02 GQ339
U49752.1 gg_id:70632 Oxalobacter formigenes str. OXWR wild rat cecum U49752
NR_029188.1 gg_id:571425 Oxalobacter formigenes str. OXB; ATCC 35274 NR_029

14339.7	10473.3	8939.4	7960.4	8759.8	8752.0	6609.7	7687.1	12438.2	8710.1	11352.6
674.2	4996.9	6590.0	5599.1	5279.4	4492.9	3645.0	5230.7	4449.5	9168.0	3856.4
24974.8	10549.5	10951.8	10145.2	9516.4	9053.4	9350.1	9481.1	13472.2	12657.5	13964.1
3217.0	7062.0	7773.4	7440.4	8582.6	7186.0	7786.6	6722.9	6415.4	7755.7	8251.3
1922.3	1907.4	3188.1	2315.8	1946.7	2019.0	1798.0	2503.0	1538.6	3357.1	2433.4
3454.1	1936.2	1999.9	1558.6	1221.2	1351.4	813.6	1618.1	1321.1	940.5	1006.3
1336.5	7583.6	8405.2	8256.9	6609.4	6647.2	6450.1	7028.3	5276.5	8915.5	8235.0
32578.5	10534.4	10522.1	10553.5	9827.7	9700.6	10037.1	9469.2	12579.4	10669.6	13958.3
705.4	3237.1	4300.2	4356.7	3373.5	3381.5	3423.0	3340.1	2462.7	5325.4	3098.2
115.8	2364.8	3612.0	2862.5	2228.9	2377.9	821.8	2973.8	1756.9	3892.4	1932.2
14213.6	7784.0	8264.7	8921.4	7608.9	7009.3	7871.4	8248.6	8424.5	8547.5	9665.3
3961.3	6572.9	7859.6	7371.7	6970.9	6891.3	6119.7	6307.0	6767.6	6885.3	6908.9
21319.3	10499.5	11402.6	10725.2	11063.7	10061.3	10374.8	9246.2	13506.7	13618.2	14284.2
21013.7	12710.7	12402.1	12553.8	12277.8	11192.3	11481.9	11018.0	13554.5	11493.5	15404.4
3912.9	6665.2	8042.4	8559.6	6843.9	6559.9	6115.2	7211.7	5901.1	9864.2	7737.0
6192.3	7168.7	8424.2	9229.0	8648.2	7201.0	7382.2	9834.7	7428.9	7791.2	12383.3
3112.5	9323.6	8284.5	8298.4	6865.1	7725.3	6329.4	7393.3	5748.3	4955.3	7328.9
1112.3	5704.9	6205.2	5327.8	5568.8	4964.7	4240.8	6511.7	3949.4	2883.0	7107.3
13117.2	11802.1	10880.9	11267.3	10229.8	10701.8	8648.4	10791.5	10979.7	10865.2	11938.1
111.0	3749.9	5690.8	6034.4	4205.1	3688.8	3168.9	6111.1	2784.4	7848.5	3579.4
1780.0	6796.5	7166.1	8192.7	6426.8	6696.1	6996.6	6811.7	8629.2	8381.8	7545.6
349.1	5773.4	6968.6	5945.9	4472.4	5804.1	4213.9	5336.6	4392.8	6711.0	5758.4
2636.9	4607.6	3852.1	3569.9	3363.7	3635.5	2761.9	4057.1	4158.8	3511.3	5288.5
19074.3	5611.6	6957.5	6789.7	6752.9	5398.4	5911.1	5930.2	7507.0	5408.1	7334.1
13589.6	5903.4	7590.0	6901.2	5917.0	5720.8	5559.8	5677.6	7462.3	7791.7	9108.5
13525.7	12000.5	11522.7	9474.2	10789.8	11829.1	9714.3	9062.9	14846.0	13473.4	15749.6
5492.2	6629.7	7532.0	5503.4	4765.1	6265.9	4461.7	5965.6	6539.1	5213.2	5660.2
10589.8	11222.0	11939.8	10864.6	10224.1	10029.9	9617.4	10214.5	9620.0	12797.1	12431.6
16780.2	5251.1	5240.2	5442.9	6546.6	5422.9	6750.4	4555.9	8863.2	5683.0	4290.7
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302.0	459.8	1126.1	518.2	686.2	614.8	489.5	930.0	170.9	740.0	433.1
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70.9	2015.6	3197.7	1888.1	1518.9	1824.8	1308.1	1783.2	1523.9	2611.9	881.1
7600.2	5716.2	5687.3	5705.4	4267.2	5169.3	4337.6	5395.6	6431.6	6614.4	7038.4
15292.5	9190.8	8511.5	8589.4	8167.5	8524.4	8885.2	7549.7	11527.2	7693.7	10137.1

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7983.8	7701.6	6989.2
2051.5	2350.7	2067.0
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6443.5	6837.4	8142.8
10676.2	11127.1	10464.0
11783.3	11178.9	10332.4
7420.2	7916.7	7402.2
9907.9	8927.1	5658.7
7574.2	7547.0	6431.0
5620.0	5862.7	5776.1
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6101.4	6932.7	5139.8
7287.2	9680.7	7177.6
6009.9	5603.2	5688.6
2696.6	3760.0	3182.5
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6180.8	6385.2	6236.0
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4676.7	5580.5	4530.8
10735.7	10297.3	11098.3
4754.2	7924.9	4989.8
7770.6	7427.9	7768.6
7311.4	7322.7	5295.4
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6753.5	9594.1	7488.5
3937.1	3847.1	2636.2
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U49750.1 gg_id:7366 Oxalobacter formigenes str. BLISS human feces U4975
U49751.1 gg_id:7367 Oxalobacter formigenes str. SOX-4 freshwater lake sediment U4975
U49749.2 gg_id:7365 Oxalobacter formigenes str. BA4 human feces U4974
U49758.1 gg_id:7372 Oxalobacter formigenes str. HC1 human feces U4975
U49756.1 gg_id:7371 Oxalobacter formigenes str. OXK human feces U4975
FJ264587.1 gg_id:331690 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2645
AB488167.1 gg_id:559492 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR AB488
U49754.1 gg_id:7369 Oxalobacter formigenes str. OXCR laboratory rat cecum U4975
AB486719.1 gg_id:591499 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR AB486
FJ374254.1 gg_id:363874 Inter- and intraspecific humivorous scarab beetle larvae (Pachnoda spp.) larval hindg FJ3742
EF454731.2 gg_id:217779 termite hindgut clone 290cost002-P3L-2608 EF4547
EF434363.1 gg_id:216215 human infant gastrointestinal tract microbiota stool mother babies 13 and 14 7 mont EF4343
AB288876.1 gg_id:202850 termite gut homogenate clone BOf1-03 AB288
DQ796767.1 gg_id:174649 human fecal clone RL179_aao54b12 DQ796
FJ269064.1 gg_id:340557 dissimilatory ferric iron reducers arsenic contaminated Hunan south China paddy soil FJ2690
DQ676429.1 gg_id:224948 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
AB038368.1 gg_id:19906 Diaphorina citri symbiont AB038
FJ371291.1 gg_id:360508 feces adult twins and mothers; TS6 clone TS6_a03c02 FJ3712
AB234524.1 gg_id:145512 termite gut homogenate clone MgMjD-092 AB234
AF371862.1 gg_id:50320 swine intestine clone p-2518-18B5 AF371
X92555.1 gg_id:7343 Paucimonas lemoignei str. LMG 2207 T X9255
AB487570.1 gg_id:592988 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR AB487
GQ022806.1 gg_id:486864 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbu3 GQ022
AY177773.1 gg_id:78721 soil clone AY177
GQ069768.1 gg_id:401837 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ069
DQ248254.1 gg_id:141616 carbon tetrachloride contaminated soil clone UE7 DQ248
AY509446.2 gg_id:99154 freshwater clone LiUU-5-340 AY509
DQ351915.1 gg_id:172665 manganese oxidation soil clone JH-WH04 DQ351
GU213338.1 gg_id:593816 Janthinobacterium sp. str. 338 GU213
AM292626.1 gg_id:173162 Influence uranyl and sodium nitrate on natural soil uranium mining waste pile clone AM292
DQ537535.1 gg_id:162048 manganese oxidation soil clone JH-GY37 DQ537
AY167838.1 gg_id:101564 Janthinobacterium agaricidamnosum str. SAFR-022 AY167
AB240320.1 gg_id:144767 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB240
AB487490.1 gg_id:569658 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR AB487
EU801571.1 gg_id:317157 It's all ranking aquatic Chesapeake Bay MD clone 3C002897 EU801
AM888196.1 gg_id:247545 Herbaspirillum sp. str. THWCSN35 AM888
EF516890.1 gg_id:226310 grassland soil clone FCPU733 EF5168
DQ906892.1 gg_id:256121 Oman subsurface soil clone 12A-1 DQ906
AY080915.1 gg_id:61192 acidic forest soil clone UP9 AY0809
AM991238.1 gg_id:279160 Microbial groundwater and their potential use biomonitoring karst spring water clo AM991
AF468345.1 gg_id:79836 Arctic sea ice ARK10157 AF4683

15177.0	13876.5	10057.7	6938.7	7295.9	9440.2	6913.9	8266.9	8220.3	7024.9	8259.9
3833.2	5859.4	5774.1	5690.2	4745.1	5270.1	4157.8	5321.0	4822.2	3847.9	5728.5
15940.5	9618.1	8351.9	6591.8	6302.7	7812.7	6320.5	6136.7	8231.1	10916.2	9105.7
24841.2	10217.7	9054.8	8420.5	7704.6	8700.8	8641.1	8356.8	11113.3	10016.6	11619.6
28508.4	12591.2	11209.2	10811.9	10210.2	11348.5	10724.7	10400.3	14912.5	14084.8	15335.3
14621.0	10682.6	10445.3	8184.6	8662.2	9024.2	7167.1	8908.3	6417.5	3739.1	7667.1
20372.6	12003.5	11220.9	10461.6	9526.1	10125.8	9679.2	10482.2	11085.1	7003.3	10027.5
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660.9	7291.9	6603.1	7044.4	5289.2	6176.9	5057.2	6224.5	5757.1	2704.1	5314.5
16654.5	9059.8	8671.4	10214.6	9062.8	8132.1	9725.6	9047.3	6789.3	5254.3	8588.2
176.5	1730.8	1208.4	712.8	600.7	948.9	477.8	808.1	537.4	248.7	359.7
6937.0	11759.1	9287.2	5140.9	5236.2	8200.8	4977.3	7266.5	4736.4	6379.0	6604.3
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17404.3	11630.8	8823.8	5727.8	6085.9	8926.6	5150.1	6881.4	6680.2	6438.4	6192.7
1586.2	7644.5	6797.4	5338.1	6113.7	6283.0	5522.7	5473.3	3578.0	2212.7	4470.5
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2472.4	7519.3	6340.2	4650.0	5319.2	8017.9	3606.2	5219.3	8726.7	4962.3	5604.3
651.5	4318.4	3999.4	3281.3	3785.4	2735.9	3731.2	4428.7	2390.2	1732.5	2742.6
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15647.1	6936.3	7910.4	7676.9	7261.2	7285.4	7626.4	8408.6	8534.4	6593.6	9405.3
8240.3	4467.0	4324.0	2525.6	3467.9	2899.3	3899.0	6617.5	1645.9	1394.9	5932.2
471.2	3877.7	4812.9	4306.6	3621.1	4338.0	4533.5	4231.3	3368.0	3775.9	3089.6
4007.2	9948.5	9064.0	4412.9	5450.9	7398.6	4799.7	6492.5	4788.8	2069.3	4621.3
3352.8	6164.5	5413.9	3806.4	3532.8	4268.7	3724.3	4020.0	2415.8	2011.0	3315.9
10031.6	14087.9	10863.4	9542.1	9997.9	10219.1	9398.4	8903.5	10492.5	5542.2	8466.1
561.6	3425.6	3373.6	2971.4	3183.3	2700.7	2675.7	3156.9	2391.0	2261.4	1782.5
6626.3	5948.8	6015.6	7171.5	5370.2	6072.3	5866.3	6058.8	5181.1	3367.8	3958.4
1802.8	4585.1	4013.0	3697.3	2817.2	2855.9	3212.4	4001.0	3465.2	2894.6	4184.5
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2369.3	3923.8	2889.9	4068.2	4476.9	3196.8	5694.6	3512.9	2379.5	1695.1	3520.4
3759.3	3984.0	5544.2	4872.4	3224.4	3120.7	5788.0	4084.6	2039.2	2083.8	3102.4
6426.1	11184.9	11369.5	11235.0	11024.7	10580.8	11321.8	10234.0	14826.2	9891.4	10205.3
1409.7	6349.9	5745.3	6539.0	3712.1	4867.6	3318.9	7284.8	6323.8	3302.0	5190.7
84.6	3596.0	4915.0	4509.3	5015.8	3316.9	3069.0	3561.3	2303.3	4001.3	2204.1
4763.1	7352.5	5886.2	5795.0	6644.2	6462.5	5455.3	7980.4	5895.4	3018.9	7657.2
4789.5	9836.0	9728.0	8067.3	7635.5	8124.9	7255.5	7406.4	5787.0	4896.8	12591.7
10826.2	6434.1	6233.4	7288.8	6335.1	5983.1	7555.8	6790.7	6323.1	3673.7	6594.4
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5330.4	6266.0	5790.8
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960.2	811.9	197.7
8483.6	6287.1	5649.2
3685.9	3095.3	2185.9
7727.6	6852.9	5781.3
6485.3	5999.2	5334.5
1594.6	1497.7	936.8
2352.3	1676.8	1585.1
7794.1	8639.9	5992.0
3889.0	4404.0	4084.8
3871.9	4359.8	3310.4
5718.4	5656.6	4648.5
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7570.5	8364.5	5988.5
2989.8	3143.0	1817.1
4639.9	4935.2	3080.8
5135.7	4390.5	3869.0
3143.4	3968.8	3363.6
8170.9	7788.3	6975.0
2880.5	4092.0	4487.8
6839.9	7408.9	6578.9
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10880.2	9617.1	10311.0
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3411.7	4555.7	6062.4
6684.8	6007.2	4655.8
6425.1	6689.5	6068.8
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7855.4	9178.6	7661.1

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DQ351922.1 gg_id:171844 manganese oxidation soil clone JH-GY15 DQ351
AM397629.1 gg_id:169981 Undibacterium sp. str. CCUG 49012 AM397
EU802136.1 gg_id:335152 It's all ranking aquatic Chesapeake Bay MD clone 3C003549 EU802
EF516112.1 gg_id:225949 grassland soil clone FCPT483 EF5161
FM874576.1 gg_id:357346 occupant source house mattress dust clone MD03G10 FM874
DQ351928.1 gg_id:171310 manganese oxidation soil clone JH-GY06 DQ351
EF516828.1 gg_id:225672 grassland soil clone FCPP661 EF5168
EF516978.1 gg_id:222289 grassland soil clone FCPU492 EF5169
EF580950.1 gg_id:278562 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM8 EF5809
AY082467.1 gg_id:67839 neutral pH mine biofilm clone 44a-B1-39 AY0824
FM209308.1 gg_id:566578 Microbial Negev desert s sand soil clone 3303 FM209
AM697265.1 gg_id:222537 sequencing libraries indoor dust clone BF0001C106 AM697
GU321360.1 gg_id:561332 Massilia sp. str. NMC24 GU321
GU295961.1 gg_id:585352 Oxalicibacterium sp. str. JCN-21 GU295
AB487226.1 gg_id:562136 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB487
DQ787695.1 gg_id:166885 holocene lake sediment clone SLB419 DQ787
DQ241394.1 gg_id:144017 simple biogeochemical process removing arsenic mine drainage water clone LOP-89 DQ241
FM872500.1 gg_id:362441 occupant source house floor dust clone FA01C01 FM872
AJ863414.1 gg_id:121741 poplar tree microcosm rhizosphere flooded clone 5RHF33 AJ8634
AB487777.1 gg_id:579702 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB487
GU377118.1 gg_id:532409 Herbaspirillum sp. str. sptzw31 GU377
DQ264588.1 gg_id:142425 universal microarray broader than typical library when sampling subsurface groundv DQ264
DQ490985.1 gg_id:157892 Pseudoburkholderia malthae str. CC-AFH3 DQ490
FM955855.1 gg_id:590236 Massilia sp. str. Asd M1A2 FM955
EU735672.1 gg_id:345327 archaeal structures oil contaminated and soils China pristine soil Jidong Oilfield clone EU735
EU636042.1 gg_id:279632 Antarctic str. N14 EU636
EU362137.1 gg_id:352209 and Mesquite Flats Site Death Valley dune sand clone 8 EU362
AY198108.1 gg_id:80296 melt pond on Arctic sea ice floe clone ARKMP92 AY198
FJ191604.1 gg_id:340957 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1916
AY367012.1 gg_id:93490 ultramicrobacterium str. Um1 AY367
EF682968.1 gg_id:255137 Eastern Mediterranean atmosphere clone F13_2C_FL EF6829
AM936250.1 gg_id:567104 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
GU124500.2 gg_id:570154 endosymbiotic (Stal) (rice brown planthopper) Endosymbiont Nilaparvata lugens clo GU124
EF552158.1 gg_id:233331 Spirillum sp. str. NOX EF5521
AJ556800.1 gg_id:85781 Oxalobacteraceae MWH73 AJ5568
AB486782.1 gg_id:592565 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR AB486
FM253595.1 gg_id:341548 Rock gold mine unusually microbial biofilm clone D06-1 FM253
AB488125.1 gg_id:548180 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488
GQ098449.1 gg_id:401707 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw559g GQ098
GQ461666.1 gg_id:533088 Coupling -ITS Clone Libraries and Automated Intergenic Spacer Microbial Bioremedi GQ461
DQ787709.1 gg_id:163192 holocene lake sediment clone SLB530 DQ787

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468.6	3111.7	4763.0	5784.3	1828.4	5219.8	1670.7	5081.3	3144.2	1182.0	3846.5
5754.7	16351.8	13105.6	8971.4	8326.3	12574.5	7641.8	10370.4	7973.3	6926.2	9671.2
5727.9	8617.0	9106.8	9834.9	11456.1	7920.3	10943.0	8112.9	8302.1	7539.0	10688.5
18063.1	7733.4	6635.8	4610.1	5774.4	5305.6	6495.8	6699.2	4628.9	4295.2	8507.1
11948.4	5778.8	5309.6	4469.6	3593.1	4430.6	3568.0	5605.3	4954.1	4606.9	4398.0
855.4	2995.4	3721.0	4710.5	3821.2	3227.7	5351.7	3148.7	2959.4	2565.7	3134.9
7263.2	3117.1	2613.6	2430.5	2131.6	2840.5	1970.4	2211.2	4505.8	1469.7	3504.8
1094.7	4265.9	6226.2	5990.4	4163.2	4057.7	4033.8	4816.6	4161.0	2800.2	5085.5
356.7	540.3	494.7	586.7	620.8	789.1	591.0	657.0	561.9	300.2	666.0
1632.3	11989.2	8418.5	4356.2	5498.1	7576.8	4950.2	5600.2	2868.6	1423.2	4622.2
8108.1	7749.6	6616.5	6108.8	4226.1	5234.0	4199.3	6290.9	9606.6	4975.5	3934.4
9923.4	8151.4	7451.9	7080.8	6185.5	7090.8	5580.1	7944.3	8814.2	5663.1	9430.4
6929.1	12432.2	11396.7	8748.4	7148.5	9178.4	7894.4	9148.1	8283.4	3510.5	7130.3
3033.1	6851.4	6734.0	6942.7	6160.1	5825.7	6542.6	7114.0	5609.4	3847.2	8004.1
33138.0	9009.3	9036.2	8933.7	8818.0	8512.3	11089.2	8930.7	12282.7	8244.1	12258.7
7412.5	5476.1	5302.9	5195.8	4320.2	4908.8	4652.0	5306.7	5270.3	4569.8	9108.8
9723.0	5063.1	5283.8	2402.1	2373.9	3504.8	1832.7	4171.3	2599.7	1079.3	2515.3
192.0	5742.6	7541.8	6513.2	5261.3	5145.6	6852.6	6092.2	3459.8	6605.3	4313.5
3914.8	4676.7	5462.0	6144.5	4319.9	4886.5	5092.5	6524.5	3255.6	3196.4	4191.4
5559.6	5686.7	6839.9	6810.4	6583.8	6051.9	6745.2	6375.6	5240.5	3367.3	6461.7
10146.1	5276.8	4709.8	4823.2	4142.0	4551.3	4334.5	4802.0	5459.2	4700.5	5774.2
5867.9	7797.1	5937.7	5542.8	6141.2	7335.8	6208.7	5878.8	7054.9	3642.3	3758.9
51.2	580.4	933.5	736.9	1092.7	522.8	531.5	439.7	653.2	2707.5	125.1
526.2	4474.1	5837.9	6190.1	4157.0	4084.3	3433.0	6833.6	5021.5	2885.4	5242.8
1216.2	5765.0	6157.8	4750.1	4504.2	5051.2	4621.5	5233.2	4745.4	3700.6	4507.1
4661.2	8002.2	7889.1	8940.5	9642.6	7430.2	8908.6	8512.2	7185.1	3140.5	9255.1
7106.5	5310.8	5592.0	5830.5	3935.6	4950.0	5083.1	4929.7	4932.6	3078.8	4823.7
25425.5	10958.5	10562.8	9370.9	11346.3	8915.3	11031.7	10529.8	12215.9	9638.1	13248.2
2233.7	5060.4	5532.4	5817.6	5020.5	4475.5	7913.2	4868.7	4066.4	2822.1	3059.4
6398.3	6568.2	5646.7	6188.7	6628.8	5887.5	5703.6	6011.2	6913.4	4516.1	7338.3
5700.6	9218.8	7218.2	6062.2	7461.6	7117.8	6821.7	6722.3	5961.0	2932.9	6842.5
7988.1	7733.8	7034.7	7866.7	6814.3	8718.9	7429.6	6827.2	7307.3	10256.8	5579.8
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2770.7	3244.1	3372.0	2061.0	1597.6	2339.9	1259.7	3449.5	2564.9	1957.1	2630.8
18098.7	16470.8	12029.1	10754.7	11699.7	11008.6	12282.5	10216.5	12954.2	8599.5	11389.1
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6713.3	8280.9	6197.9
9433.0	7819.5	5293.8
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5781.2	6320.6	4760.9
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5894.9	6801.6	3833.1
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8383.3	7377.9	5241.0
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DQ248255.1 gg_id:142344 carbon tetrachloride contaminated soil clone UA6 DQ248
AF358019.1 gg_id:26437 peat soil microcosm clone LO13.5 AF358
DQ469209.1 gg_id:157564 Microbial and ecology water Zhong Tiaoshan mine Shanxi province China AMD clone DQ469
AF529095.1 gg_id:62422 trichloroethene-contaminated site clone FTL205 AF529
EF620474.1 gg_id:248260 ultramicrobacterium str. ISSDS-831 EF6204
NR_028859.1 gg_id:566047 Herbaspirillum lusitanum str. P6-12; LMG 21710 NR_02
DQ017931.1 gg_id:133568 upland stream clone S-Jos_62 DQ017
DQ787707.1 gg_id:171969 holocene lake sediment clone SLB523 DQ787
EU676429.1 gg_id:287560 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals- EU676
EF592558.1 gg_id:232495 Duganella sp. str. B2 EF5925
AJ582194.1 gg_id:94238 soil near uranium mill tailings clone Gitt-GS-138 AJ5821
DQ177470.1 gg_id:140398 Janthinobacterium sp. str. Tibet-IIK43 DQ177
EU528198.1 gg_id:286535 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU528
DQ341421.1 gg_id:150786 Janthinobacterium sp. str. Antarctic IS09 DQ341
AB008503.1 gg_id:7288 ultramicrobacterium str. MY14 AB008
EF682967.1 gg_id:243222 Eastern Mediterranean atmosphere clone F14_4D_FL EF6829
EU669620.1 gg_id:329777 soil clone S22-8 EU669
DQ158104.1 gg_id:139019 Use Field-Based Stable Isotope Probing Identify Adapted and Track Carbon F throug DQ158
EU636048.1 gg_id:278716 Antarctic str. GAo51 EU636
EF019643.1 gg_id:215915 aspen rhizosphere clone Elev_16S_794 EF0196
EU489741.1 gg_id:277881 Herminiimonas sp. str. UMB49 EU489
EU636041.1 gg_id:278413 Antarctic str. GA091 EU636
AF407411.1 gg_id:21324 MCB-contaminated groundwater-treating reactor clone RB13C5 AF4074
AY214204.1 gg_id:81252 benzene-contaminated groundwater clone ZZ15C3 AY2142
EU057874.1 gg_id:253699 Duganella sp. 5B EU057
AB488131.1 gg_id:589716 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR AB488
EF515920.1 gg_id:218687 grassland soil clone FCPT636 EF5159
AY218774.1 gg_id:81640 penguin droppings sediments clone KD6-99 AY2187
DQ188985.1 gg_id:140045 Herbaspirillum rhizosphaerae str. UMS-40 DQ188
FJ391493.1 gg_id:364438 primers targeting Gallionella- neutrophilic oxidizers enrichments and soils iron rich irr FJ3914
GU205377.1 gg_id:583924 Massilia sp. str. DR-a8 GU205
AY214210.1 gg_id:81997 benzene-contaminated groundwater clone ZZ17C9 AY2142
AF468324.1 gg_id:80693 melt pond on Arctic sea ice floe clone ARKMP-20 AF4683
AJ867677.1 gg_id:109615 melted red snow water clone RS 8-Bact69 AJ8676
AJ295498.1 gg_id:27239 rape rhizosphere clone wr0040 AJ2954
EU194890.1 gg_id:359091 Duganella sp. str. B41 EU1948
AM085762.1 gg_id:138928 Herminiimonas aquatilis str. CCUG 36956 AM085
GU377114.1 gg_id:525330 Janthinobacterium sp. str. sptzw26 GU377
GQ451298.1 gg_id:585579 Fecal Yunnan snub-nosed monkey feces clone J308 GQ451
AB487141.1 gg_id:588705 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR AB487

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9286.2	8316.3	7145.2	5935.9	5443.2	7462.8	4979.5	6137.0	5705.3	2825.8	5494.6
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11127.2	9763.9	8093.6	7488.8	6845.0	7145.9	6390.7	7661.4	6369.3	4591.6	6119.1
11974.3	7668.8	7196.3	7674.2	7474.4	6936.8	9739.7	6967.0	8134.4	6105.6	7194.0
7661.9	5471.4	6771.0	7137.0	7853.9	7424.6	5692.2	7388.2	4911.4	2192.8	4207.0
395.5	1772.4	1838.4	2150.8	1600.1	2120.2	1915.7	1355.2	1363.3	729.0	1394.9
3940.0	4569.9	3841.8	3895.1	3928.5	3646.1	6142.5	3303.8	4674.1	3670.9	7137.4
19380.9	8456.9	7824.7	7088.3	6213.2	7426.4	6456.4	7191.7	6993.8	4770.1	9893.8
245.4	3191.9	4264.6	2046.6	1378.5	2552.2	4304.6	2743.2	665.7	2449.7	1594.0
8218.1	6344.6	5918.2	4943.6	4164.0	5390.7	5820.5	5656.1	3679.6	2128.6	4791.7
4052.7	4062.0	4103.7	3620.9	3030.9	3508.5	4544.4	4361.5	3648.9	2495.3	6078.0
185.4	6536.2	7497.8	7009.2	4553.7	5382.5	6606.2	7387.5	3506.0	6572.9	4954.7
653.3	5303.7	4918.9	3360.5	2842.4	3587.5	2228.8	3263.4	1527.6	3311.8	3461.6
388.6	4486.5	4146.8	3302.0	1881.0	2962.9	2572.6	4216.0	1989.6	1944.3	2316.3
25878.2	9214.9	8077.3	5628.3	6293.5	5699.3	6697.5	7563.4	9554.6	5087.4	10601.1
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8199.3	8634.8	7457.1	7243.9	7727.7	7199.7	8082.0	6067.5	7808.2	5648.5	6489.8
5006.1	8627.7	7239.7	7634.3	6073.2	8741.2	6492.8	6744.5	11314.4	6464.6	8709.2
59.6	1430.7	1564.1	1528.5	1154.4	1701.6	1492.2	1873.4	520.9	1422.1	1674.0
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6254.1	9357.7	8572.2	8448.7	7106.3	7536.2	7054.2	8020.7	6765.0	5974.5	9004.9
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3547.9	8811.9	6310.7	3903.1	4983.4	5441.2	4306.1	5335.5	2324.9	1424.6	5583.5
6420.4	10510.0	11324.7	10782.9	9493.3	9977.8	11819.6	10250.1	9149.1	10651.6	10580.0
3034.8	10431.8	8372.0	6780.1	7562.4	7960.3	7505.4	9787.6	5787.5	3930.1	10931.6
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2665.9	11613.3	9376.1	8693.4	6944.3	8313.3	8954.2	7107.5	7168.2	5488.3	8746.6
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5311.4	6704.0	6943.2
9383.8	9295.8	9748.7
7340.6	8274.5	6580.5
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5216.7	5009.6	6783.4
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4576.6	5655.2	3792.9

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s__Rubrivivax gelatinosus	11642
s__unclassified	10785

GU213385.1 gg_id:533732 Janthinobacterium sp. str. 161 GU213
AJ867670.1 gg_id:111083 melted red snow water clone RS 8-Bact32 AJ8676
AB487627.1 gg_id:544493 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4876
AB487567.1 gg_id:588968 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4875
GU213421.1 gg_id:589183 Janthinobacterium sp. str. 286 GU213
EU150263.1 gg_id:278184 acidobacteria and soil Niwot Ridge LTER clone Ni_E6P2 EU150
AY198109.1 gg_id:79646 melt pond on Arctic sea ice floe clone ARKMP91 AY1981
EF018240.1 gg_id:207516 aspen rhizosphere clone Amb_16S_591 EF0182
EF019746.1 gg_id:216361 aspen rhizosphere clone Elev_16S_922 EF0197
AF468329.1 gg_id:80338 melt pond on Arctic sea ice floe clone ARKMP-56 AF4683
FJ422391.1 gg_id:358892 Burkholderia sp. str. CYEB-14 FJ4223
AM411937.1 gg_id:251263 Herbaspirillum sp. str. P-64 AM411
EU636047.1 gg_id:278100 Antarctic str. GA045 EU636
EU636045.1 gg_id:279284 Antarctic str. GA054 EU636
EU636039.1 gg_id:279184 Antarctic str. CC9 EU636
DQ264563.1 gg_id:141833 universal microarray broader than typical library when sampling subsurface groundv DQ264
EF574525.1 gg_id:232833 site S25 near Coco's Island marine clone S25_869 EF5745
AB487774.1 gg_id:583648 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB4877
AY061962.2 gg_id:202769 Oxalicibacterium flavum str. TA17; NEU98; LMG21571 AY0619
EU881344.1 gg_id:329302 (maize-sweet cropping field) Karst region maize-sweet potato cropland soil clone KM EU8813
AB488296.1 gg_id:587787 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB4882
DQ787694.1 gg_id:162906 holocene lake sediment clone SLB418 DQ787
EU160577.1 gg_id:310584 diagnosis central-venous infections cultivation-dependent and techniques biofilm sc EU1605
AB488003.1 gg_id:580561 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB4880
AM697274.1 gg_id:222450 sequencing libraries indoor dust clone BF0001C115 AM697
AB074523.1 gg_id:66301 Aquaspirillum arcticum str. IAM 14963 AB0745
AJ867657.1 gg_id:110953 melted red snow water clone RS 8-Bact21 AJ8676
AJ532689.1 gg_id:76765 uranium mill tailings clone Gitt-KF-179 AJ5326
GQ080374.1 gg_id:373791 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ080
AB074524.1 gg_id:56608 Aquaspirillum autotrophicum str. IAM 14942 AB0745
AY792246.1 gg_id:122054 Humic Lake clone CrystalBog5F8 AY7922
FJ517670.1 gg_id:568152 Disturbing epithelial homeostasis metazoan Hydra leads drastic changes microbiota e FJ5176
GU213418.1 gg_id:572788 Janthinobacterium sp. str. 278 GU213
AB487887.1 gg_id:587586 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB4878
GU113050.1 gg_id:583060 soil overlying mountain Manasi County Xinjiang soils influenced underground coal m GU113
AY515386.1 gg_id:111167 sediment Lake Tuusulanjarvi isolate str. F39 AY5153
AM849431.1 gg_id:236633 Seasonality Piburger See clone PIB-20 AM849
FJ535228.1 gg_id:572527 Contamination risk vegetables Arcobacter during post-harvest processing water carr FJ5352
AY227003.1 gg_id:81741 melt pool on Arctic sea ice floe clone ARKMP-94 proteobacterium AY2270
EF094990.1 gg_id:194580 Rubrivivax gelatinosus str. L31 EF0949
CU466884.1 gg_id:313285 Evry wastewater treatment plant anoxic basin clone CU466

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529.3	11294.4	8578.9	5290.1	5254.3	7574.9	5837.4	6342.1	3016.4	4354.8	6727.0
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9100.4	5374.3	5404.0	5613.7	4455.4	4263.9	4807.7	4485.0	4528.3	5489.1	5659.5
7612.0	6952.1	6800.3	6946.2	5825.2	5995.3	8196.7	6654.1	3998.7	4221.1	6213.8
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24971.9	10176.0	10250.5	11097.9	10396.6	9795.1	10872.6	8814.8	12107.7	11466.9	13974.4
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300.3	10495.6	10287.7	8180.0	8592.5	7885.1	6944.9	8910.9	5452.5	7742.1	8942.9
19846.8	12628.0	10786.4	9934.6	9509.4	10624.6	9861.6	9566.3	12113.8	6266.8	13390.9
6718.8	9595.6	9038.8	8596.2	7219.5	7739.1	7076.7	8213.8	6685.4	6081.6	9208.8
5345.6	6027.3	6036.0	5938.9	4611.8	5634.6	4323.3	5876.8	6650.0	5808.2	5723.6
5935.0	4930.0	4948.0	4739.0	4694.7	4578.4	4319.8	5298.4	4392.7	2113.6	4510.1
2889.7	7557.3	6101.3	5120.3	5445.6	5752.9	5256.0	6036.7	3928.7	4102.9	5535.0
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514.4	3834.7	4384.8	3690.4	4774.4	3408.5	4715.0	3789.3	1859.6	1565.3	4587.5
13235.0	8361.8	6973.7	4070.4	3975.7	6251.3	3989.5	4839.2	6592.6	3582.7	4222.1
370.6	2239.0	2546.6	1556.3	1643.1	1578.4	1204.3	1889.9	748.0	742.0	2462.5
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47.1	137.0	281.6	202.9	166.0	156.1	90.8	199.5	80.7	143.6	101.2
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AB286333.1 gg_id:215160 Reducing production and domination comamonadaceae reducing oxygen supply was AB286
FJ484872.1 gg_id:512841 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4848
GQ396839.1 gg_id:587796 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
CU466928.1 gg_id:325979 Evry wastewater treatment plant anoxic basin clone CU466
GU454909.1 gg_id:528368 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU454
CU466864.1 gg_id:327001 Evry wastewater treatment plant anoxic basin clone CU466
CU466850.1 gg_id:338411 Evry wastewater treatment plant anoxic basin clone CU466
GQ249369.1 gg_id:553551 Research on biodiversity sludge bioflim Biological Aeration Filter clone B11 GQ249
GQ302537.1 gg_id:585468 prokaryotic sediment Shawan methods cold spring clone sw-xj209 GQ302
AB087565.1 gg_id:80525 Sphaerotilus sp. L8 AB087
AB087561.1 gg_id:80068 Sphaerotilus sp. L2 AB087
Z18534.1 gg_id:7139 Sphaerotilus natans str. 565 Z18534
AF309815.1 gg_id:73442 synthetic wastewater tmbr15-22 complete clone wastewater AF3098
AF177943.1 gg_id:42541 Tepidimonas ignava str. SPS-1037T AF177
EF648100.1 gg_id:255518 dynamics during produced water treatment aerobic activated sludge clone HB116 EF6481
AY845054.1 gg_id:110733 Tepidimonas sp. str. I1-1 AY845
AY594193.1 gg_id:124693 Tepidimonas arfidensis AY594
EU799903.1 gg_id:338160 It's all ranking aquatic Newport Harbour RI clone 1C227573 EU799
AY519354.1 gg_id:107473 Thiomonas sp. str. 51 AY519
FM992405.1 gg_id:536889 Thiomonas intermedia FM992
AY455808.1 gg_id:103970 Thiomonas perometabolis str. ATCC 23370 AY455
DQ146028.1 gg_id:138509 Thiomonas sp. ML1-60 DQ146
DQ146101.1 gg_id:138673 Thiomonas sp. ML2-48 DQ146
DQ146068.1 gg_id:139031 Thiomonas sp. ML2-1 DQ146
AB462557.1 gg_id:321818 Microbial production and energy source hyperthermophilic prokaryotes geothermal AB462
DQ146030.1 gg_id:138725 Thiomonas sp. ML1-62 DQ146
DQ146119.1 gg_id:138822 Thiomonas sp. ML2-67 DQ146
DQ146041.1 gg_id:138202 Thiomonas sp. ML1-74 DQ146
AB308270.1 gg_id:253106 Thiomonas sp. str. RAN4 AB308
DQ146097.1 gg_id:138841 Thiomonas sp. ML2-42 DQ146
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DQ902578.1 gg_id:189483 Thiomonas sp. str. CS2 DQ902
DQ146103.1 gg_id:138853 Thiomonas sp. ML2-5 DQ146
AJ549220.1 gg_id:82391 Thiomonas sp. B3 AJ5492
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DQ145996.1 gg_id:138828 Thiomonas sp. ML1-28 DQ145
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DQ146130.1 gg_id:138505 Thiomonas sp. ML2-77 DQ146
DQ146065.1 gg_id:138239 Thiomonas sp. ML1-97 DQ146
DQ092334.1 gg_id:181396 Thiomonas sp. str. S10 DQ092

21729.0	11732.8	10317.5	11410.4	11528.2	11237.0	10928.1	10819.8	12350.6	9761.0	16120.3
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2734.8	8402.8	8092.0	8295.8	10774.0	7521.5	7473.4	8616.4	6283.6	3721.3	5693.5
9997.6	4136.1	4768.4	4482.6	5049.0	4605.9	4128.8	4991.8	4571.6	2139.0	6991.3
9515.4	4772.1	5039.7	5602.9	5321.4	4828.3	5925.2	5982.7	4751.8	1744.1	4420.0
9791.3	9248.0	9382.0	11125.3	12904.7	9297.1	10080.1	10757.7	9869.6	8112.0	10342.2
13393.2	9979.7	9657.9	9814.4	10375.6	9612.5	9970.5	9603.3	10785.9	7755.4	13105.0
7344.4	9067.4	9015.4	6834.4	8910.8	8776.7	7239.1	8915.1	7655.1	2389.5	10133.4
5933.6	6719.8	7607.2	5312.4	5555.4	7014.7	4510.7	6368.2	5251.1	1637.1	4619.4
12170.5	7576.1	7004.6	7606.1	7173.4	6547.7	6237.9	8990.7	8470.2	3264.6	11082.7
31179.1	10790.8	8852.3	10213.6	8882.1	9697.4	8815.5	10812.8	11691.4	7569.5	15287.5
2249.8	5161.5	5953.2	6022.1	6815.0	7115.9	4786.4	5081.0	4272.7	899.4	6495.6
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3515.2	6971.8	6029.0	5948.0	7605.5	6625.6	6921.6	7686.3	8138.9	4573.9	11435.3
3918.6	6927.3	7576.7	7427.5	8446.7	6808.8	8260.3	6899.7	5688.7	7119.6	8987.8
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2058.8	4010.8	5042.3	5289.9	3975.1	3697.1	5078.2	5360.3	3595.9	3485.3	4829.0
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5032.4	6130.8	6242.8	5635.9	6250.6	6150.2	6716.8	5973.8	6264.2	4488.0	6968.1
9317.8	7425.5	7573.5	7122.4	7662.8	7360.6	7708.3	6642.1	8733.6	5252.2	8670.0
13920.7	4685.1	5845.3	6156.3	5748.5	6439.9	6755.8	5810.3	4566.5	2380.8	6857.4
36327.8	10105.1	9883.3	10844.5	11108.3	9055.1	12222.3	9329.8	14072.5	9618.2	13925.6
16958.2	5388.3	5993.6	5792.3	6522.1	5192.0	6108.0	6150.7	4967.7	2712.9	7645.5
24056.5	8511.7	8599.8	8862.4	8631.5	7643.7	10022.2	7723.4	10705.5	7707.8	11129.7
9125.3	8814.7	9584.7	10007.6	10536.7	8788.5	11042.5	8635.8	7608.7	6327.1	12346.9
11327.1	6243.2	6466.7	6376.6	6921.0	5712.9	8101.4	6405.2	7924.3	4226.4	7543.8
29651.0	8131.9	7854.7	8800.0	7431.3	8069.8	8202.9	7939.3	9234.9	5117.7	14074.0
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55630.1	12203.9	11871.7	12442.4	11820.1	11085.6	11577.2	10503.6	16556.4	12495.8	17923.3
59835.3	12006.1	11318.7	11995.6	12052.0	11092.6	13203.9	10671.2	16110.7	14281.8	18131.5
9351.4	9983.2	10349.1	10399.6	11329.8	11103.4	10901.6	8919.2	7722.0	7021.6	12611.7
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6954.5	7408.2	4374.2
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8252.3	8708.9	6055.4
6201.2	6371.7	4534.0
8265.7	7242.4	5498.6
3779.0	3586.2	2575.7
6470.4	4240.0	2325.8
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6362.4	5685.7	4504.9
6891.2	7542.8	6125.6
5779.9	6459.9	2765.5
9328.1	10525.9	9309.5
5454.8	6834.2	4331.0
7897.6	8578.0	7197.6
10532.8	8326.9	7772.3
5815.8	6071.0	5181.4
7065.3	9509.0	6588.1
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DQ419962.1 gg_id:153172 Thiomonas sp. DM-Cd5 DQ419
DQ145994.1 gg_id:138485 Thiomonas sp. ML1-26 DQ145
DQ146010.1 gg_id:138230 Thiomonas sp. ML1-42 DQ146
GU233443.1 gg_id:531748 Thiomonas thermosulfata str. 21071 32621 GU233
EU937876.1 gg_id:351331 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
AY050601.1 gg_id:53885 MCB-contaminated groundwater-treating reactor clone GOUTB18 AY050
GU208450.1 gg_id:536615 Study on Sediment Dongping Lake sediment clone Fr2-13 GU208
EU937989.1 gg_id:307219 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
EF520449.1 gg_id:229543 structure lakes: what controls ? acid-impacted lake clone ADK-BTh02-80 EF5204
GQ388859.1 gg_id:562874 quality deterioration drinking system during serious red water outbreak clone Z238 GQ388
GQ390167.1 gg_id:574746 oxic-anoxic interface meromictic crater lake Lac Pavin clone eub62A12 GQ390
AM167944.1 gg_id:142153 flora waters upstreaming fluids deep igneous rock aquifers mineral spring clone BB4 AM167
FJ391492.1 gg_id:367650 primers targeting Gallionella- neutrophilic oxidizers enrichments and soils iron rich irr FJ3914
AB475012.1 gg_id:540849 sequences located Engiadina Bassa Valley Switzerland iron containing freshwater so AB475
EU937953.1 gg_id:356589 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
FM204958.1 gg_id:576266 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
GU208476.1 gg_id:592888 Study on Sediment Dongping Lake sediment clone Shc3-16 GU208
FJ391502.1 gg_id:361662 primers targeting Gallionella- neutrophilic oxidizers enrichments and soils iron rich irr FJ3915
GQ263782.1 gg_id:578300 Structure Simulated Level Waste Site simulated level waste site clone WC1_b2 GQ263
GQ264147.1 gg_id:589210 Structure Simulated Level Waste Site simulated level waste site clone WC3_88 GQ264
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GQ388776.1 gg_id:576649 quality deterioration drinking system during serious red water outbreak clone Z10 GQ388
EU937859.1 gg_id:327025 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
AY922005.1 gg_id:112903 farm soil clone AKYG404 AY922
GQ388790.1 gg_id:593879 quality deterioration drinking system during serious red water outbreak clone Z114 GQ388
AY766002.1 gg_id:108663 streamer acidic iron-rich spa water clone TrefC4 AY766
FJ037638.1 gg_id:310147 biofilms growing tropical warm soda spring Grenada West Indies clone 070218-Grena FJ0376
GQ339144.1 gg_id:528137 Comprehensive Investigation on Iron Cycling Freshwater Seep ing Microscopy Cultiv GQ339
GQ390162.1 gg_id:540543 oxic-anoxic interface meromictic crater lake Lac Pavin clone Eub62C711 GQ390
AM167968.1 gg_id:143643 flora waters upstreaming fluids deep igneous rock aquifers mineral spring clone BB2 AM167
GQ339173.1 gg_id:520149 Comprehensive Investigation on Iron Cycling Freshwater Seep ing Microscopy Cultiv GQ339
FM174362.1 gg_id:541762 biotrickling filter treating loads H2S biology tools clone H2SRC133X FM174
GQ402778.1 gg_id:534649 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
EF562088.1 gg_id:241212 Subsurface microbial deep-granitic-fracture water colorado Henderson Molybdenum EF562
GQ339166.1 gg_id:520139 Comprehensive Investigation on Iron Cycling Freshwater Seep ing Microscopy Cultiv GQ339
EU283473.1 gg_id:278266 Model Early Earth Harbors Deeply Divergent Divisions Anderson Lake clone A531 EU283
GU183583.1 gg_id:551555 Structures Reduced and Oxidized Aquifer lower Aqueous Arsenic Titas Bangladesh a GU183
DQ676395.1 gg_id:225924 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676

1534.4	4205.0	6099.9	6964.4	7238.6	4241.4	6239.3	4636.7	1146.2	1069.7	5197.2
18402.4	5875.7	5991.9	5637.7	6107.4	5163.0	6422.9	5367.9	5087.5	3763.4	7100.4
31189.8	9873.8	10073.2	11038.3	11763.7	9151.4	12058.6	9720.4	10856.7	8846.2	13428.4
4979.4	4767.8	5849.4	5826.4	6054.9	5833.3	6228.1	6261.0	4461.3	3367.5	6272.3
28889.7	7994.5	7359.4	7394.1	7137.5	7160.3	8189.4	7407.4	8296.5	7118.8	11555.5
22771.4	5692.3	7145.6	7109.5	7725.3	5616.5	7641.2	6521.2	5762.5	3142.0	7052.8
11032.6	10092.3	10135.0	10297.4	11397.8	9538.2	11514.6	8717.6	10261.5	10315.5	11165.1
872.8	6016.5	7381.6	8718.2	6098.4	7109.3	6243.3	6538.1	5278.9	1851.3	5477.5
8054.3	7434.8	10355.0	12350.3	8115.8	8973.5	8571.5	8678.7	6425.6	5748.8	10162.7
701.8	3474.9	6186.4	8489.9	2758.5	4949.4	5123.1	6093.7	1753.9	841.3	4679.4
5974.6	8103.8	9699.9	12020.8	10727.9	8932.2	11541.6	11287.0	10863.7	7215.6	10569.5
6626.2	4398.6	7125.5	6707.0	4441.9	5172.1	7338.3	4910.3	3706.3	3548.0	6743.9
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2409.8	7284.7	9792.2	11499.2	7648.5	8355.3	9905.2	8312.3	7916.6	4671.0	9589.6
7057.2	6333.4	8807.0	9187.1	7171.0	7426.3	9172.1	7485.8	6652.2	5323.6	7973.8
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2781.0	6619.8	8628.5	11191.1	6974.9	7089.0	8256.5	7373.7	4794.6	2980.7	7697.8
1032.6	3725.2	5160.1	5612.2	2105.0	3347.5	1951.7	3154.7	4212.0	1055.9	3198.2
7525.3	4705.3	5447.0	6356.6	3953.6	4828.0	6208.3	4826.2	4593.7	3306.2	5462.1
13480.3	8957.9	9392.8	11045.5	9342.0	9290.0	8985.0	8861.6	9872.2	8603.1	11648.4
7769.9	10574.1	11964.3	13019.8	10153.4	10333.5	11414.2	9398.9	9340.0	5486.5	10211.0
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170.0	1203.2	3398.3	4269.0	3505.6	3211.2	2882.5	2222.5	389.7	255.9	1681.7
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1378.6	8169.1	12312.5	14619.1	9216.6	10367.5	12202.2	9749.1	4824.3	3467.4	10758.5
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7236.8	6202.0	8532.0	9818.7	8315.8	7542.4	9357.3	8106.8	5435.6	5124.6	6763.4
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9568.2	8821.5	8232.4
4898.6	4981.2	5579.1
7708.9	8622.3	9062.2
3367.0	2879.4	6309.6
9824.2	10474.8	12259.3
4169.1	5156.1	4555.6
2932.2	3645.4	4827.7
2879.9	3571.4	4684.3
6453.4	7471.1	9153.0
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6387.5	8290.2	9228.2
6387.1	6777.2	8642.9
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4555.6	3511.5	5289.4
873.3	1233.8	1253.9
9943.1	10818.7	10229.8
6402.1	6094.5	8559.6
2783.0	2057.2	2369.7
3876.4	5122.7	5333.4
7947.3	9312.2	9254.2
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AF407387.1 gg_id:27004 MCB-contaminated groundwater-treating reactor clone RB7C10 AF4073
EF589997.2 gg_id:234236 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF5899
EU937884.1 gg_id:325090 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9378
GQ263781.1 gg_id:541843 Structure Simulated Level Waste Site simulated level waste site clone WC1_b19 GQ263
DQ676316.1 gg_id:223362 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
GQ264072.1 gg_id:593060 Structure Simulated Level Waste Site simulated level waste site clone WC3_170 GQ264
FN430666.1 gg_id:540799 and activity autotrophic Fe(II)-oxidizing nitrate-reducing enrichment clone F29F67 FN4306
EU937881.1 gg_id:336779 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9378
DQ386264.1 gg_id:196465 Siderooxidans lithoautotrophicus str. ES-1 DQ386
GQ388881.1 gg_id:579184 quality deterioration drinking system during serious red water outbreak clone Z40 GQ388
EU937923.1 gg_id:336177 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9379
GQ389039.1 gg_id:553899 quality deterioration drinking system during serious red water outbreak clone S101 GQ389
EU937931.1 gg_id:339523 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9379
DQ640694.1 gg_id:228790 full-scale EBPR sludge clone Skagenf48 DQ640
EU030485.1 gg_id:242960 microbial beneath sheet west Antarctic ice sheet; KIS sediment clone KIS.B77 EU0304
AY662039.1 gg_id:137480 uranium-contaminated groundwater clone 015B-E09 AY6620
AF351237.1 gg_id:16839 obtained coal tar waste-contaminated groundwater clone 8-11 AF3512
AB176698.1 gg_id:98919 subsurface geothermal water clone HAuD-LB/2-20 AB1766
DQ386858.1 gg_id:178053 Siderooxidans paludicola str. BrT DQ386
AY050584.1 gg_id:21368 MCB-contaminated groundwater-treating reactor clone GOUTA12 AY0505
GQ389053.1 gg_id:563337 quality deterioration drinking system during serious red water outbreak clone S114 GQ389
FN430662.1 gg_id:556677 and activity autotrophic Fe(II)-oxidizing nitrate-reducing enrichment clone F25F63 FN4306
AB252929.1 gg_id:164438 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 472 AB2529
AB240306.1 gg_id:142150 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clone AB2403
FJ037639.1 gg_id:339910 biofilms growing tropical warm soda spring Grenada West Indies clone 070623-Grena FJ0376
GU220769.1 gg_id:535045 Microbial mineralization and involved microbial Basin field temperature hydrotherm GU220
GU183582.1 gg_id:573953 Structures Reduced and Oxidized Aquifer lower Aqueous Arsenic Titas Bangladesh a GU183
AY532538.1 gg_id:104211 uranium-contaminated aquifer clone 1013-1-CG10 AY5325
GQ389139.1 gg_id:512437 quality deterioration drinking system during serious red water outbreak clone S202 GQ389
DQ450774.1 gg_id:159803 Microbial Alpine Tundra Wet Meadow Soil: Chloroflexi Cold Water-Saturated satura DQ450
EF368015.1 gg_id:214563 Hydrogenophilus halorhabdus str. GI-445 EF3680
EF368017.1 gg_id:205395 Hydrogenophilus halorhabdus str. 1438 EF3680
NR_024663.1 gg_id:575778 Hydrogenophilus thermoluteolus str. TH-1; IFO 14978 NR_024
AY222297.1 gg_id:85885 silica sinter depositing geothermal power station discharge drain clone ST01-SN1D pro AY2222
AY820184.1 gg_id:109148 Hydrogenophilus denitrificans str. BDN3 AY8201
AF402975.1 gg_id:40122 hot spring clone bacteriap16 AF4029
NC_007404.1 gg_id:138944 Thiobacillus denitrificans str. ATCC 25259 NC_007
GU208337.1 gg_id:576708 Study on Sediment Dongping Lake sediment clone Se1-13 GU208
GQ472408.1 gg_id:555271 Microbial Dongping Lake lake sediment clone 4Db1-18 GQ472
AM936009.1 gg_id:572819 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
AB476681.1 gg_id:563379 SSU sequences prokaryotes inside emergency Gotthard road tunnel Switzerland sulf AB4766

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9781.7	7782.3	10843.4	15553.5	9968.3	11449.3	12480.1	11270.7	6156.9	6000.3	12982.2
7087.0	9508.2	12083.2	12306.9	9814.3	9817.1	10026.5	9669.9	8947.2	8314.7	11735.4
3895.8	6638.5	10211.6	12742.2	9050.6	8889.0	12240.6	8663.4	4943.9	3307.9	8156.6
9286.9	7387.3	7822.6	7205.8	6349.4	5926.0	6562.3	6281.0	6790.6	4512.8	8619.9
2922.1	7073.8	8118.9	9597.6	7322.3	7216.4	9637.5	8416.2	6401.8	3091.5	9215.0
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4701.5	5050.8	6200.3	6991.7	5093.5	5427.2	7413.3	5499.2	4924.1	3412.5	6908.9
8641.3	10730.0	11268.1	12739.8	11031.3	11246.2	11340.4	9946.6	10001.8	9068.0	14129.2
9479.9	8268.3	8868.3	11176.7	7995.6	7491.6	8132.3	7689.9	8273.0	8146.3	9164.5
2737.5	8287.6	11650.4	14089.4	9303.3	10231.0	10816.2	8712.9	7154.4	5690.9	11546.4
17294.1	8568.1	6358.5	7412.3	7476.6	6657.7	7089.3	7453.8	8943.5	7789.2	10614.6
9495.4	8917.8	11022.4	12429.0	9638.4	10085.4	10657.0	9475.6	9682.3	5991.3	13530.9
21965.9	8103.4	8998.5	10377.3	8092.2	8316.3	8770.4	8118.2	6351.2	4402.8	9476.2
11473.9	8053.1	8704.7	9899.4	7509.9	7998.1	8087.3	7454.6	5443.4	5942.2	11953.5
122.6	1662.2	1332.2	1798.4	1296.5	1129.6	996.4	1311.7	792.8	132.5	1026.9
148.0	841.9	1045.9	1316.2	943.5	771.0	971.0	1000.6	287.7	145.9	529.0
4170.3	4756.4	5548.3	5372.8	4219.3	4441.7	5300.1	4997.2	3342.3	3413.0	6922.8
263.6	3124.5	5942.9	7914.5	4232.0	3543.0	6508.7	5698.6	1770.1	594.8	3722.6
914.0	7109.0	8862.3	9982.3	7296.9	6705.4	10706.0	8542.4	4217.9	2527.6	7651.2
2874.0	6671.0	8858.6	11028.8	9455.1	8299.7	12368.3	8246.2	4266.7	4373.0	7471.2
399.1	5213.9	8639.4	11601.7	4875.9	6251.0	7976.6	8073.6	2480.8	1665.4	7051.8
3295.4	7463.4	9670.8	12864.0	7805.1	9393.4	8907.9	8304.9	5102.2	3790.1	6590.7
14940.8	9104.4	11333.4	13127.9	8682.6	9531.3	9063.7	8114.2	10947.3	5915.9	11829.1
4998.1	8495.2	10264.8	11389.0	7125.3	9149.9	9390.8	7730.8	6499.7	7828.7	10280.2
465.4	2401.1	4007.5	6149.3	1860.8	2049.0	3189.9	3285.3	701.2	821.4	3519.2
2563.9	7047.5	7771.7	8440.7	6073.2	6016.8	7144.8	6364.6	5090.4	3179.1	6421.2
1325.4	4441.1	7101.8	8631.8	4692.3	5010.8	6361.8	6273.8	2283.0	995.4	5967.2
3432.8	5023.6	4766.0	4816.2	4693.2	4010.8	4873.6	3917.4	4165.1	3306.3	5826.0
858.3	977.2	1319.6	1187.0	2059.0	1209.6	1504.5	1521.9	444.4	269.8	454.6
21940.6	14337.0	13195.8	11559.4	11386.4	11509.9	11581.9	10430.0	13348.0	9672.2	14969.1
4998.0	5077.1	3912.4	4392.1	3900.5	4335.3	4760.6	3756.5	4537.6	2402.5	4206.5
6045.4	6056.1	6848.7	6886.2	6615.8	7096.6	7132.8	6814.8	5618.6	6139.1	10850.6
565.9	4835.2	4932.0	6186.1	6668.0	4693.5	7672.5	4971.1	4168.3	2115.9	3470.5
3991.1	6042.1	7510.6	8640.9	6625.5	6024.4	12037.4	6966.2	3337.2	3012.1	6372.8
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6885.2	6158.6	6643.6	6926.0	5839.9	5204.0	11470.2	6191.1	3558.1	2417.5	6264.5
12554.5	10267.0	11438.4	11729.8	10191.0	9901.6	13189.8	10346.6	10727.0	9399.4	14456.6
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8321.0	9323.5	9930.4
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9889.8	10252.0	8921.5
8139.1	7786.4	8286.1
8827.0	8367.6	9524.0
6737.0	7544.8	5897.9
7907.1	9414.9	9594.1
7552.9	7889.3	8655.8
6462.8	8454.2	6491.2
990.6	1592.7	437.8
1553.3	977.2	1398.7
3304.6	5329.2	4984.5
3453.0	3013.3	6421.7
8569.3	5938.0	10091.1
7174.1	6494.1	10483.9
5023.8	3822.2	9607.6
7989.9	6982.2	9665.8
8457.9	7523.9	8938.0
8737.3	7420.7	7181.6
1538.3	1530.6	2075.7
5809.7	5593.5	6892.3
4325.4	3503.6	6921.5
3853.7	5170.8	4055.7
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10563.0	10992.3	10109.9
3905.0	4669.9	4867.1
5038.1	6753.7	5479.1
4509.0	4847.0	4919.8
6110.5	3660.2	6066.8
6467.2	3246.0	4728.8
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10493.6	9737.1	9362.3
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DQ230962.1 gg_id:141755 subsurface water clone DR938CH110701SACH3 DQ230
FJ167506.1 gg_id:348470 microbiology granular sludge under autotrophic mixotrophic and heterotrophic denit FJ1675
EU662520.1 gg_id:589721 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems floating microb EU662
GQ472333.1 gg_id:542530 Microbial Dongping Lake lake sediment clone 2S4-9 GQ472
FM213044.1 gg_id:568820 Biodiversity and shifts assessment biology tools Biotrickling treating loads biotricklin FM213
DQ390445.1 gg_id:154067 Thiobacillus sayanicus str. 4HG DQ390
DQ676323.1 gg_id:225078 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
DQ499276.1 gg_id:159653 acidic cave snottite biofilm clone CV10 DQ499
EU735730.1 gg_id:354395 Biological Arsenic Remediation Project Groundwater Aquifer soil clone C_G46 EU735
EU735731.1 gg_id:351349 Biological Arsenic Remediation Project Groundwater Aquifer soil clone C_H29 EU735
DQ088733.1 gg_id:133752 subsurface clone BE16FW031601GDW_hole1-31 DQ088
AY955090.1 gg_id:114460 sediment clone 35-16K AY955
AJ243144.1 gg_id:23915 Thiobacillus denitrificans str. NCIMB 9548 AJ2431
EU735735.1 gg_id:345541 Biological Arsenic Remediation Project Groundwater Aquifer soil clone C_K38 EU735
AB179662.1 gg_id:104873 groundwater 0.2 m-filterable fraction clone KNA6-NB06 AB179
AM934951.1 gg_id:540782 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM934
GU208503.1 gg_id:584889 Study on Sediment Dongping Lake sediment clone Shf3-3 GU208
AB179683.1 gg_id:106165 groundwater 0.2 m-captured fraction clone KNA6-EB03 AB179
FM213007.1 gg_id:570827 Biodiversity and shifts assessment biology tools Biotrickling treating loads biotricklin FM213
DQ415787.1 gg_id:157109 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
AY133108.1 gg_id:59893 TCE-contaminated site clone ccspost271 AY133
GU208385.1 gg_id:583159 Study on Sediment Dongping Lake sediment clone Td2-18 GU208
EU676425.1 gg_id:295407 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals- EU676
GU208247.1 gg_id:549869 Study on Sediment Dongping Lake sediment clone 6S1-11 GU208
GU208366.1 gg_id:537091 Study on Sediment Dongping Lake sediment clone Td1-5 GU208
AY532567.1 gg_id:101367 uranium-contaminated aquifer clone 1013-28-CG14 AY532
DQ228387.1 gg_id:142824 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
AB181501.1 gg_id:109267 wastewater biofilm clone SN-84 AB181
DQ988290.1 gg_id:180796 Microbial lab-scale A1-A2-O fixed biofilm system coking wastewater treatment with DQ988
FJ982929.1 gg_id:406533 Thiobacillus sp. str. ST22 FJ9829
GU208288.1 gg_id:576433 Study on Sediment Dongping Lake sediment clone Ftb3-6 GU208
GQ472327.1 gg_id:571504 Microbial Dongping Lake lake sediment clone 2S3-14 GQ472
GQ921437.1 gg_id:578101 Worms hell: presence Nematoda terrestrial deep subsurface (0.9-3.6 km) fracture w GQ921
DQ415784.1 gg_id:158397 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
DQ256331.1 gg_id:141880 subsurface water clone EV818BHEB5102502DRLWq27f055 DQ256
DQ088746.1 gg_id:129993 subsurface clone BE23FW031301A4RD-12 DQ088
GQ487949.1 gg_id:593089 Microbial metal soil polluted heavy metals clone T7-107 GQ487
AJ307935.1 gg_id:18168 derived microbial 'pearl'- community clone sipK89 AJ3079
AM934969.1 gg_id:535954 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM934
AB354624.1 gg_id:260306 Laminated iron texture iron-oxidizing calcite travertine iron-rich deposit clone FD015 AB354
EF079668.1 gg_id:252105 Thiobacillus sp. K6.2 EF0796

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838.5	5735.0	7094.5	7944.7	7285.4	5253.7	14226.9	6643.1	2916.5	4374.8	8101.5
16097.4	7382.9	8626.8	9360.1	7234.4	7912.3	11794.2	7490.6	6567.4	3141.5	9494.2
3858.6	6076.8	5327.1	4541.1	4058.0	5790.2	5048.8	5216.8	4997.9	1399.6	4684.4
47.1	2788.7	4322.6	3945.3	1971.1	1893.8	5411.5	3503.0	1125.7	1946.0	3370.5
4602.3	7639.6	8142.1	9908.1	7295.3	7723.0	11875.0	8512.7	6246.1	10690.4	5268.7
2276.2	5656.9	4940.5	4960.2	4438.1	5156.8	7664.1	4604.0	5133.9	3372.8	3791.5
8455.7	6179.5	7274.0	8738.7	7904.5	7148.7	11955.2	6974.8	4451.0	3330.1	8253.4
1353.3	6071.4	6686.6	7481.4	7179.0	5219.4	12465.7	6646.0	5085.4	4864.7	6953.7
12657.4	9119.0	8336.3	9549.9	8170.6	7797.7	10844.2	7469.2	7186.7	8105.3	12106.1
89.7	4619.6	6549.2	7509.7	5173.5	4992.0	11650.2	6244.8	1863.8	2576.2	6786.3
4553.0	5861.7	7541.9	7601.7	6675.0	5465.4	11964.4	6717.8	5340.4	2947.2	5441.4
3032.8	7254.6	7808.6	7320.5	7410.3	6899.1	12338.2	6811.4	5112.9	6112.2	8448.9
9434.8	9019.9	9691.9	10347.3	8760.2	7925.0	15485.4	8567.8	6802.7	7619.6	10264.0
5964.0	7384.0	9416.4	10887.8	8973.6	7503.8	14377.2	8123.3	7158.5	5741.6	7997.8
3667.3	6824.8	7163.0	7179.7	6671.7	5853.8	11124.0	6762.9	5214.1	3000.6	7241.3
8537.6	9673.7	11224.3	11295.6	10475.1	10576.9	13400.8	9558.5	9464.8	6399.7	14824.1
473.3	4330.3	4844.9	5264.1	5208.8	3749.4	8605.8	4552.4	2749.9	2768.8	5382.2
284.5	4136.0	5506.9	5437.3	4292.3	3300.4	9928.2	4853.4	1743.6	2299.8	5354.9
1362.6	5925.4	7056.2	6762.8	7355.0	6353.9	12300.0	6404.0	5126.8	2762.4	6595.5
6394.2	4100.3	4817.7	5189.9	6305.8	4242.8	8755.0	5406.2	4275.3	2418.5	6819.8
345.7	5601.0	6994.0	6764.7	6292.0	5453.1	11479.0	6418.7	3653.2	2295.7	7984.6
6307.9	8535.0	9801.2	9540.0	10117.6	9193.7	12869.5	9188.4	8207.3	11450.6	10095.8
353.6	6041.4	8870.3	8957.3	9269.9	7656.0	14623.1	7745.9	2511.7	1745.6	8397.1
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1257.7	5966.4	6715.0	7079.3	8072.2	6647.1	10630.3	6058.5	4706.9	6504.9	5409.9
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15919.1	9924.1	10972.8	11023.8	12136.2	10694.6	15255.5	9643.7	10374.1	8643.9	14255.9
4230.7	9280.7	9223.8	11434.3	10022.6	8429.1	16195.2	9539.5	6655.5	10321.4	10289.0
42.3	159.2	281.2	403.7	339.1	238.2	379.7	372.4	56.2	49.1	221.4
3986.1	7126.6	8767.4	10509.7	7732.4	7336.5	14269.8	8017.1	5020.9	5306.7	7589.0
76.3	2537.6	3582.9	5169.3	3634.7	3557.0	7269.7	5404.0	611.1	911.3	3918.0
13860.3	8263.0	9558.0	10317.2	8983.6	8056.0	13525.5	8544.9	8471.1	7095.1	11759.4
6225.8	8070.6	7879.3	9024.7	8853.6	7511.4	10878.7	7282.3	9007.8	8439.2	12204.8
3124.5	6501.9	7772.1	7807.7	8546.7	6646.0	12744.8	7111.5	5879.7	5500.8	6913.8
4517.9	7647.8	8542.7	9148.3	8598.1	6707.1	14357.2	8113.7	5861.6	6737.7	7127.9
2746.8	5599.9	6751.8	6545.6	5042.8	6063.0	8200.6	6079.8	3862.7	3461.7	6662.2

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5799.7	4492.6	5676.3
6979.9	7021.2	7316.9
3171.2	3086.6	2833.1
2721.6	1232.1	1544.7
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4167.9	5229.8	3146.1
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6467.3	5025.6	4849.0
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7796.8	6055.8	6674.9
7893.0	6554.8	8101.2
6062.2	4916.2	5252.8
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5740.3	3956.1	4445.1
9238.3	9610.2	8178.1
6836.0	5039.4	6517.6
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7902.4	5358.7	3809.7
8953.1	9826.6	10632.9
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7224.0	6489.2	5792.0
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10756.0	9747.8	8225.0
9894.7	7671.0	7651.7
270.5	478.0	384.0
7842.4	5452.5	7077.3
4056.6	1964.4	2933.9
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7710.1	9198.9	6227.5
8070.8	5931.7	5642.2
8080.5	5215.9	5820.4
5408.6	4102.4	4481.8

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EU685841.1 gg_id:312879 Thiobacillus sp. str. D24TN EU685
AJ295643.1 gg_id:17101 uranium mill tailing clone KF-Gitt2-40 AJ2956
GU208480.1 gg_id:576640 Study on Sediment Dongping Lake sediment clone Shc1-6 GU208
AB425057.1 gg_id:274500 sequences / Arvadi Biofilm stones freshwater spring containing (among others) hydr AB425
FJ484024.1 gg_id:537733 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4840
GU208262.1 gg_id:553029 Study on Sediment Dongping Lake sediment clone 6F2-12 GU208
AY510250.1 gg_id:109312 microbial mat sulfidic cave spring Lower Kane Cave clone LKC3_198.8 AY510
AB176697.1 gg_id:107729 subsurface geothermal water clone HAuD-LB/2-3 AB176
FJ901811.1 gg_id:538289 phreatic limestone sinkholes northeastern Mexico water column surface cenote La Pa FJ9018
EU037198.1 gg_id:249812 Hot Spring Microbial Mat Khir Ganga India hot spring microbial mat clone MO43 EU037
DQ837278.1 gg_id:255039 Archaeal and pristine National Park Spain Donana coastal aquifer clone 56S_1B_81 DQ837
AB176695.1 gg_id:107438 subsurface geothermal water clone HAuD-MB/2-1 AB176
FJ901837.1 gg_id:558734 phreatic limestone sinkholes northeastern Mexico water column surface cenote La Pa FJ9018
AY955086.1 gg_id:114743 sediment clone 5-25R AY955
DQ145970.1 gg_id:138498 Thiobacillus sp. ML2-16 DQ145
DQ145974.1 gg_id:138290 Thiobacillus sp. ML2-40 DQ145
CU924728.1 gg_id:563027 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU924
AY510243.1 gg_id:109305 microbial mat sulfidic cave spring Lower Kane Cave clone LKC3_102B.25 AY510
DQ145968.1 gg_id:151278 Thiobacillus sp. ML1-72 DQ145
U58019.1 gg_id:6772 Thiobacillus aquaesulis U5801
AY845252.1 gg_id:110030 Spirillum kriegii str. D-430 AY845
FJ901825.1 gg_id:512862 phreatic limestone sinkholes northeastern Mexico water column surface cenote La Pa FJ9018
FJ484428.1 gg_id:553673 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4844
DQ145964.1 gg_id:138129 Thiobacillus sp. ML1-16 DQ145
FJ517027.1 gg_id:569792 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled water c FJ5170
AJ536815.1 gg_id:110737 magnesite mine clone cMM319-05 AJ5368
DQ837267.1 gg_id:248472 Archaeal and pristine National Park Spain Donana coastal aquifer clone 56S_1B_30 DQ837
EF492934.1 gg_id:247725 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4929
EF173352.1 gg_id:186982 Options situ remediation contaminated mixture chlorinated hydrocarbons hydrocarb EF1733
AJ316618.1 gg_id:64665 Thiobacillus plumbophilus str. DSM 6690 Gro7 AJ3166
DQ984604.1 gg_id:242053 LY oil-contaminated soil clone LYC068 DQ984
AM490714.1 gg_id:539260 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
GQ090471.1 gg_id:416305 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ090
DQ837266.1 gg_id:238477 Archaeal and pristine National Park Spain Donana coastal aquifer clone 56S_1B_20 DQ837
GQ388880.1 gg_id:535635 quality deterioration drinking system during serious red water outbreak clone Z4 GQ388
FJ437813.1 gg_id:559929 Benthic okenone production Fayetteville New York Green Lake chemocline 20.5 m wa FJ4378
DQ837229.1 gg_id:243280 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_1B_49 DQ837
EU735705.1 gg_id:355524 Biological Arsenic Remediation Project Groundwater Aquifer soil clone 1As11 EU735
DQ415761.1 gg_id:157821 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
GU208472.1 gg_id:581588 Study on Sediment Dongping Lake sediment clone Shc5-21 GU208
DQ520198.1 gg_id:160396 shal China sequences hypertrophic freshwater lake clone ML-9-101.2 DQ520

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366.7	5581.5	7987.0	7720.2	8739.6	7019.5	14125.4	7174.5	2712.8	2311.3	7981.0
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594.0	1250.6	1827.1	1906.5	1658.4	1940.0	2133.2	1534.8	663.6	528.8	1093.2
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DQ066957.1 gg_id:130688 Lake Washington sediment clone pLW-10 DQ066
GQ472317.1 gg_id:550530 Microbial Dongping Lake lake sediment clone 2B3-20 GQ472
EU360497.1 gg_id:269449 pilot biological ferrous iron oxidation mine water treatment plant clone W-Z-54 EU3604
FJ484433.1 gg_id:551992 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4844
AY532537.1 gg_id:104052 uranium-contaminated aquifer clone 1013-1-CG8 AY5325
AF407390.1 gg_id:19644 MCB-contaminated groundwater-treating reactor clone Ra9C4 AF4073
FJ712609.1 gg_id:516574 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7126
GU208482.1 gg_id:589837 Study on Sediment Dongping Lake sediment clone Shc1-3 GU208
AB478665.1 gg_id:543991 SSU sequences Alps Cadagno di Fuori submerged biofilm mats montane wetland clo AB478
AY212734.1 gg_id:99462 water 20 m upstream manure clone 3up AY2127
EF133508.1 gg_id:175927 Ferribacter polymyxa str. PSTR EF1335
AJ519624.1 gg_id:74988 Uranium mill tailings soil sample clone Sh765B-TzT-132 proteobacterium AJ5196
EU340171.1 gg_id:245116 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU3401
EU676421.1 gg_id:297924 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals EU6764
EU676422.1 gg_id:290525 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals EU6764
AJ536818.1 gg_id:109678 magnesite mine clone cMM319-36 AJ5368
AF445741.1 gg_id:41556 travertine hot spring clone SM2G09 AF4457
NR_025556.1 gg_id:569678 Tepidiphilus margaritifer str. N2-214; DSM 15129 NR_025
DQ287787.1 gg_id:143113 Methylobacillus flagellatus str. KT DQ287
AY298905.2 gg_id:88207 Methylobacillus pratensis str. F31 AY2989
AY027801.1 gg_id:42693 Aminomonas aminovorus str. C2A1; NCIMB 11268 AY0278
EU194898.1 gg_id:358307 Methylobacillus sp. str. M8 EU1948
AY772089.1 gg_id:132690 Methylophilus quaylei str. MT AY7720
AB193725.1 gg_id:108436 Methylophilus leisingeri str. DSM 6813 AB1937
AB193724.1 gg_id:108435 Methylophilus methylotrophus str. NCIMB 10515 AB1937
DQ287786.1 gg_id:141866 Methylotenera mobila str. JLW8 DQ287
FM872938.1 gg_id:366699 occupant source house floor dust clone FB04H04 FM872
FJ626263.1 gg_id:545204 Microbial larval insect gut field and laboratory sugarcane weevil Sphenophorus (Colec FJ6262
EU340223.1 gg_id:251118 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU3402
AY436794.1 gg_id:104555 Methylophilus sp. str. ECd5 AY4367
AY546500.1 gg_id:99740 soda lake sediment clone 1H_31 AY5465
EF192877.1 gg_id:202563 sediments temperate artificial lake Rapel reservoir sediment clone Rap1_6A EF1928
DQ450168.1 gg_id:153929 (Uruguay) Atlantic coastal lagoon clone R7C30 DQ450
AY948052.1 gg_id:143623 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl AY9480
DQ228415.1 gg_id:142498 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
FJ444649.1 gg_id:511215 Cotton Rhizosphere cotton rhizosphere clone 2h-19 FJ4446
EU662580.1 gg_id:533328 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems floating microb EU6625
AY947940.1 gg_id:143558 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY9479
EU537789.1 gg_id:285536 profile human microbiota antecubital fossa (inner elbow) skin clone nbt79g11 EU5377
EU340172.1 gg_id:250544 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU3401
EU801545.1 gg_id:306546 It's all ranking aquatic Chesapeake Bay MD clone 3C002863 EU8015

340.2	5476.9	7009.9	9343.6	3987.4	5392.4	5895.4	5161.3	3442.6	1415.7	5405.0
1587.2	6025.6	5534.4	5362.0	6736.9	8917.0	8933.9	5387.6	4649.3	4571.5	6005.8
5249.6	6796.3	7880.0	8686.8	8320.2	7568.3	9663.5	8309.0	6886.1	5122.3	11817.7
6676.6	8258.7	8176.7	9768.3	7810.4	7140.1	9335.2	9098.0	6227.2	5974.4	11085.8
3549.9	6847.9	8492.7	9142.4	6331.9	7441.4	8503.3	8095.5	5836.0	6875.1	8422.6
6428.4	3409.0	4675.1	5308.5	4392.5	4157.0	4277.8	4021.8	3232.3	2714.1	2860.9
10898.7	7694.3	7266.8	6984.3	5594.1	7632.5	7219.5	6709.4	6207.6	1783.1	6827.5
14575.5	7233.9	8071.2	9219.7	6696.0	7259.9	8301.6	7247.8	6075.8	5232.1	8317.7
4507.4	6308.0	5870.4	6126.8	5743.6	6002.5	10108.5	5955.9	5240.1	3411.8	5879.2
7131.0	3527.9	4419.7	4383.7	3852.7	4418.7	6717.5	4456.6	3415.1	3827.1	5687.0
172.8	1199.2	1310.8	1549.5	1169.3	1625.5	1169.2	1122.6	699.3	558.4	1068.7
209.7	6540.0	5888.7	6560.5	4901.0	5618.1	5692.9	5430.0	2916.0	6829.5	4551.4
312.9	7174.8	8046.0	7280.5	6851.6	6685.7	11295.5	6736.5	5129.3	4994.1	9165.2
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2284.2	6487.3	7570.3	8564.3	8040.7	7595.5	7509.9	9034.6	4828.8	7136.8	9869.5
784.9	3571.8	4007.4	3802.4	3035.0	3645.1	4339.7	4250.4	3821.3	3396.0	4002.7
76.0	96.4	139.6	154.9	259.6	156.2	192.2	175.2	106.6	51.2	75.8
1000.7	4372.4	2880.4	1833.1	2349.9	2596.5	1696.0	2205.1	5970.6	1710.1	2077.0
3313.2	7003.9	8050.0	8274.2	7616.8	6493.3	7175.1	6464.3	5716.7	3168.8	5528.3
216.0	419.2	542.5	573.6	855.2	588.8	521.9	746.3	295.7	113.7	365.2
26566.6	12090.1	12151.9	12239.3	11364.3	10037.0	11728.0	10065.7	13049.1	7570.0	11745.5
236.8	2523.7	2889.0	2267.7	1979.6	2965.6	1269.8	2725.2	1714.3	775.5	2092.0
1331.7	3488.4	5418.2	4009.7	2928.5	3317.0	1846.0	4612.1	2449.4	1421.8	5105.1
10856.4	5892.0	7566.8	6095.0	5317.3	5384.2	6164.3	5976.8	4352.8	5500.8	7260.8
7977.2	4919.7	6279.4	5641.9	5868.8	5205.4	5188.2	5664.7	5733.3	2699.0	6303.6
81.2	2199.6	2481.0	1945.7	2163.2	2977.3	1517.7	1975.6	774.1	1644.0	1243.5
11006.5	10886.7	9950.5	10675.0	10076.2	10683.3	9557.0	9653.6	10716.7	6335.1	12877.0
409.4	8102.5	8079.1	7588.0	7748.7	7527.1	6884.8	5826.1	3266.0	1152.9	6547.8
4547.2	4455.7	3397.0	3773.6	4090.4	5088.2	2239.6	3107.7	2338.6	955.9	2583.6
21218.8	8671.6	9021.8	8845.9	7731.7	7444.3	8155.0	7978.7	8885.8	6191.1	11625.4
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7645.8	7448.7	6242.7	7624.9	7106.7	6782.8	7493.0	6907.1	7261.1	4424.1	5212.0
2131.7	6216.4	5345.1	5837.9	6057.5	9000.5	4868.7	4365.5	4299.0	4617.9	6268.2
86.4	5168.3	5220.7	6774.2	5328.6	5361.9	3468.9	5411.2	3482.2	1025.0	4611.8
25506.0	7312.1	5543.6	8692.9	7796.5	7013.5	7796.0	7094.7	9500.9	6741.6	11899.7
404.6	7305.7	6386.1	6751.5	6133.3	7721.2	4682.6	6017.5	5914.2	1923.6	5506.0
17411.0	11576.1	9451.4	9610.9	9195.2	10241.1	10758.7	8043.0	12311.6	7530.2	12325.4
5416.5	8277.6	6542.7	7017.4	7780.5	9105.0	6226.4	6082.3	4256.5	2219.6	7889.4

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2237.3	2177.3	1957.8
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DQ378255.1 gg_id:155163 oil-polluted soil clone M38_Pitesti	DQ378
AY212692.1 gg_id:105727 water 10 m downstream manure clone 244ds10	AY2126
EF580978.1 gg_id:278346 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1	EF5809
EF019146.1 gg_id:206079 aspen rhizosphere clone Amb_16S_1787	EF0191
EU703371.1 gg_id:396964 lakes on Eastern Tin Plateau freshwater lake altitude 4298 masl clone XZTSH19	EU7033
AB464941.2 gg_id:343674 Altitudinal changes flora on Gulkana Glacier Alaska analyzed sequencing and -cycle c	AB4649
AY486132.1 gg_id:103599 Methylovorus mays str. C	AY4861
EU268114.1 gg_id:250802 summer Dalian and Liaodong bay determined sea water clone ZL1702	EU2681
EU799457.1 gg_id:330088 It's all ranking aquatic Newport Harbour RI clone 1C227059	EU7994
EU287055.1 gg_id:235281 Pacific arctic surface sediment clone B78-91	EU2870
EU591642.1 gg_id:264560 Microbial Ecology Focused-Pulsed Electric Field Sludge Pretreatment Methanogenic	EU5916
EU801464.1 gg_id:308817 It's all ranking aquatic Chesapeake Bay MD clone 3C002760	EU8014
AY238979.1 gg_id:105790 sludge dentrifying reactor fed with methanol clone DSBR-C043	AY2389
EU804023.1 gg_id:338998 It's all ranking aquatic Lake Gatun clone 5C231706	EU8040
EU236355.1 gg_id:289508 Haliclona gellius: sponge and symbionts 13 m depth Pacific Ocean clone Hg91B9	EU2363
DQ513082.1 gg_id:161213 Microbial life fluids ridge flank crustal fluid clone FS266-46B-03	DQ513
GQ350653.1 gg_id:543211 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich	GQ350
DQ066956.1 gg_id:135981 Lake Washington sediment clone pLW-13	DQ066
AJ400352.1 gg_id:29664 marine clone ZD0412	AJ4003
EF492937.1 gg_id:240233 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule	EF4929
AY678517.1 gg_id:103273 estuarine sediment clone C319a-R8C-D8	AY6785
EU801551.1 gg_id:329876 It's all ranking aquatic Chesapeake Bay MD clone 3C002872	EU8015
AY360530.1 gg_id:137280 Stable isotope probing dynamic methylotroph trophic interactions fungi and protozo	AY3605
FJ612340.1 gg_id:548303 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.2.8	FJ6123
AY360525.1 gg_id:137243 Stable isotope probing dynamic methylotroph trophic interactions fungi and protozo	AY3605
GQ340339.1 gg_id:568552 Prokaryotic Marathonas Reservoir Greece water column clone VE08-118-BAC	GQ340
DQ810320.1 gg_id:170033 Oxygen Minimum Zone Surface- Lower Waters and Other Marine oxygen minimum	DQ810
AY546509.1 gg_id:101169 soda lake sediment clone 5H_52	AY5465
EU804036.1 gg_id:306270 It's all ranking aquatic Lake Gatun clone 5C231720	EU8040
AB294945.1 gg_id:219027 -dependent & analyses hydrothermal system off Taketomi Island Japan microbial ma	AB2949
EU800826.1 gg_id:328759 It's all ranking aquatic Delaware Bay NJ clone 2C229045	EU8008
EU037912.1 gg_id:247600 Metabolic Profiles Microbial Chlorinated Pesticides Contaminated Sites Three Geogr	EU0379
AY360533.1 gg_id:137226 Stable isotope probing dynamic methylotroph trophic interactions fungi and protozo	AY3605
EU800277.1 gg_id:338875 It's all ranking aquatic Delaware Bay NJ clone 2C228317	EU8002
GQ350509.1 gg_id:580430 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich	GQ350
GQ472336.1 gg_id:560126 Microbial Dongping Lake lake sediment clone 2S4-17	GQ472
GU230465.1 gg_id:587327 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal water clone A	GU230
AY792265.1 gg_id:125742 Humic Lake clone CrystalBog021G5	AY7922
EU287027.1 gg_id:255894 Pacific arctic surface sediment clone B78-63	EU2870
EF173353.1 gg_id:177340 Options situ remediation contaminated mixture chlorinated hydrocarbons hydrocarb	EF1733
FJ612406.1 gg_id:584989 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP10.4.19	FJ6124

3090.0	11053.2	7216.2	7687.5	6834.8	8194.1	6214.6	7306.8	6094.7	6286.8	8585.8
938.6	10184.8	9425.1	9691.5	8384.6	9777.0	9789.3	9425.9	7342.7	4597.8	9454.8
31082.0	13028.6	11432.8	12980.0	12326.8	11377.1	12651.8	11407.2	16028.3	9754.5	16110.4
801.9	3550.7	3182.5	3272.3	2141.3	3535.1	2039.8	3320.2	2099.0	1022.9	2789.7
271.0	7583.6	5120.4	5249.5	7175.6	9215.6	3518.1	4015.4	3083.9	998.2	3943.9
3674.4	5119.8	5084.9	5776.1	6130.1	5497.0	8357.4	5254.9	4516.4	5334.6	5614.3
9134.2	9556.4	10094.5	11338.7	11766.4	9243.5	10095.4	10067.3	8750.0	8067.7	13493.6
2514.2	11290.4	8288.3	7895.3	7345.6	9805.1	6309.5	6835.7	8529.8	7893.2	6790.1
9608.2	8760.0	10098.9	8493.9	8631.4	9302.9	9406.8	9089.9	10029.8	5498.2	8238.2
8161.9	9732.2	9745.5	11279.1	10988.3	9918.4	11227.5	9818.7	9276.9	8223.6	11807.1
10900.4	11262.5	9317.4	8053.2	8970.6	10521.2	7922.2	8459.8	10068.6	5768.0	7662.1
12299.0	12800.4	11082.6	11874.8	10376.7	11657.2	10013.0	11128.9	14762.6	8888.2	14450.1
1602.9	6864.4	8800.2	10405.8	8060.5	7363.8	10482.1	6672.4	5488.4	3664.0	7467.1
12968.6	10092.2	9119.4	8016.7	10889.6	9539.7	9942.0	7467.7	12200.9	9758.5	11319.4
1582.0	6420.5	6241.5	6850.6	5218.1	5390.4	5447.9	5602.4	6376.8	3094.1	5390.3
13732.5	10413.4	10336.0	11786.6	10863.5	9970.1	11164.0	9564.6	12002.3	9848.4	15431.8
3738.8	9171.6	8727.8	7756.2	5910.0	8481.9	6421.3	6287.6	8881.4	6200.6	5894.8
1990.5	5075.6	3789.1	3957.4	4833.0	4769.4	2957.9	3761.4	3602.3	1462.0	3394.1
8432.7	8643.7	7166.0	7492.9	6544.1	8699.4	6852.1	6396.0	8927.8	4771.0	6138.4
431.2	4287.9	4001.4	3638.0	2725.6	3034.7	3430.9	3174.7	2152.9	2046.8	2658.6
2729.4	10184.1	8061.9	7968.3	6914.1	8227.3	7183.8	7006.7	10649.3	4697.7	7651.4
2440.6	6980.0	5194.3	6419.7	7826.0	6723.5	4999.9	5943.9	5351.5	2261.8	3773.7
13548.3	4441.4	4820.8	4845.8	4878.1	4523.8	4409.7	5293.8	5549.5	4997.9	5302.0
3939.8	7029.5	6173.1	5841.8	5201.8	6428.5	6678.1	6359.9	4493.4	2795.9	5925.0
5466.9	4622.1	4965.1	5150.6	5729.4	4599.0	4816.4	4694.1	4414.1	1871.1	5693.3
6749.4	9861.3	10150.6	12104.5	11376.5	9940.1	11754.5	9600.2	7674.5	6395.8	10832.8
15300.8	10206.9	12205.3	11951.0	11897.0	11217.4	12078.3	11688.6	13196.3	9186.2	13164.3
30675.5	12352.6	10763.9	12284.9	12151.2	10897.3	11766.1	10328.5	18054.8	12744.1	15249.5
7856.0	9705.9	7883.6	5969.9	5842.4	8632.0	6634.9	5690.0	10477.9	6731.6	6321.8
1002.0	1819.3	2150.7	1808.4	2315.1	2184.9	1515.5	2045.6	1457.9	299.4	2194.2
4101.7	6305.7	4165.4	4971.4	4499.5	5278.6	4804.3	4533.4	4179.8	1960.4	3800.0
2510.1	9302.2	9929.6	9967.0	7989.7	7751.4	8503.8	7819.3	7680.5	6220.5	7197.9
6717.0	4036.0	4492.9	4608.7	3825.1	3538.1	3321.5	4687.3	4442.9	1771.2	4531.0
7560.6	10954.3	9682.3	9021.9	8254.9	11214.6	9209.8	7642.2	10522.1	6747.1	8732.2
10340.0	11200.7	9775.1	9910.4	9980.9	9867.1	10763.5	9267.7	9927.9	7611.6	11580.3
8828.1	7483.4	7621.5	8207.9	8521.9	6816.2	7886.4	8080.4	7046.2	4531.7	8221.0
10799.8	8469.0	7611.1	8711.8	8627.7	7582.8	7969.5	6838.8	8698.0	7452.8	9756.6
12087.4	6526.2	6149.0	6233.0	4644.0	6707.1	5838.0	5731.9	5773.2	2964.0	5505.1
11555.4	10679.3	12171.3	12797.6	11198.6	10745.4	12073.2	11425.9	12685.4	6329.5	13174.1
1818.1	6424.3	5092.8	5987.4	6250.7	5872.6	6287.8	5853.9	4478.3	1610.4	5777.5
7238.6	7552.7	7019.8	7786.1	9016.2	7488.5	8058.6	8066.0	7795.5	4630.0	6228.3

5861.9	6031.9	5585.6
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5037.0	5436.7	7019.2
9893.6	10277.0	8898.4
5486.9	6054.8	5606.3
9547.5	8596.5	10355.8
9326.2	8557.5	8970.4
8143.0	8175.1	7888.1
8893.7	9126.0	8042.2
6409.9	6901.1	6456.0
8166.8	7888.3	8320.8
5723.7	5525.6	5141.9
9078.5	10900.8	8888.4
5616.2	6620.2	5968.0
3371.3	3278.2	3697.7
6104.4	6074.4	5753.1
2496.9	2849.2	1926.4
6742.6	6424.0	5154.7
4859.2	5329.7	3775.9
4131.0	5165.1	3973.8
5401.2	6021.8	5142.5
3866.7	4263.2	4237.7
9949.2	8486.8	10318.3
12226.8	11009.9	11102.5
10516.0	10686.2	10702.6
6088.3	6041.5	4733.4
1931.9	2694.8	1640.9
3343.1	3612.5	3210.7
7978.8	7729.3	7056.2
3266.9	3944.0	3145.5
7492.5	7683.5	6740.8
8735.2	9726.8	10148.2
7118.0	7059.0	6006.3
6633.7	7400.9	8647.4
4919.8	5184.5	4582.2
11840.6	10354.9	11148.4
4549.1	4616.3	3598.7
6850.5	7367.3	6221.8

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s__Eikenella corrodens	14703
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EU803303.1 gg_id:332100 It's all ranking aquatic Lake Gatun clone 5C230853 EU803
FJ826390.1 gg_id:567795 Succession during spring diatom bloom Sea filtered surface sea water contrasting nor FJ8263
AJ318162.1 gg_id:24165 Waste-gas biofilter clone BIqi38 AJ3181
EF379433.1 gg_id:212747 sea water Victoria Harbor (Hong Kong) area clone TLC-PA3-8 EF3794
GU183586.1 gg_id:580735 Structures Reduced and Oxidized Aquifer lower Aqueous Arsenic Titas Bangladesh a GU183
AJ582036.1 gg_id:93630 soil near uranium mill tailings clone JG36-GS-101 AJ5820
FJ612167.1 gg_id:587500 and Biogeochemistry Dongping Lake Ecosystems lake water clone DP3.4.51 FJ6121
EU803922.1 gg_id:303542 It's all ranking aquatic Lake Gatun clone 5C231580 EU8039
EF516180.1 gg_id:222196 grassland soil clone FCPU667 EF5161
AY360552.1 gg_id:137233 Stable isotope probing dynamic methylotroph trophic interactions fungi and protozo AY3605
AF328143.1 gg_id:38266 Simonsiella crassa str. ATCC29447 AF3281
AF487710.1 gg_id:55486 Alysiella filiformis str. ATCC 15532 AF4877
EU661705.1 gg_id:282842 Aquitalea magnusonii str. NBRAJG85 EU6617
EU661703.1 gg_id:284709 Aquitalea magnusonii str. NBRAJG 83 EU6617
EU661704.1 gg_id:285068 Aquitalea magnusonii str. NBRAJG84 EU6617
EU741686.1 gg_id:332151 Aquitalea sp. str. LT10-3 EU7416
GQ916513.1 gg_id:554457 Aquitalea magnusonii str. AOLR15 GQ916
EU548073.1 gg_id:276722 Aquitalea magnusonii str. 5YN1-11 EU5480
AB087265.2 gg_id:63985 Neisseria denitrificans str. IAM 14975 AB0872
AY117557.1 gg_id:63496 Chromobacterium violaceum str. 07 AY1175
AE016825.1 gg_id:148906 Chromobacterium violaceum str. ATCC 12472 AE0168
AY117559.1 gg_id:63494 Chromobacterium sp. str. 46 AY1175
AY117571.1 gg_id:63483 Chromobacterium sp. str. 70 AY1175
EU372837.1 gg_id:270823 Chromobacterium violaceum str. ESBV 4400 EU3728
AY117552.1 gg_id:63505 Chromobacterium sp. str. 48 AY1175
EU693450.1 gg_id:298487 Chromobacterium violaceum str. EAV2 EU6934
AB426118.1 gg_id:262569 Chromobacterium sp. str. DS-1 AB4261
AY117565.1 gg_id:63489 Chromobacterium sp. str. 53 AY1175
AY344056.1 gg_id:101677 Chromobacterium suttsuga str. PRAA4-1 AY3440
AF328152.1 gg_id:33892 Simonsiella sp. 27381 str. ATCC 27381; ICPB 3601 ATCC AF3281
GQ114060.1 gg_id:378482 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc GQ114
AF328151.1 gg_id:21796 Simonsiella sp. 29465 str. ATCC 29465; ICPB 3648 ATCC AF3281
GQ114732.1 gg_id:427571 Topographical and Temporal Human Skin Microbiome skin interdigital web space clc GQ114
AF328154.1 gg_id:73115 Simonsiella steedae str. ATCC29435 AF3281
AB087261.2 gg_id:56599 Simonsiella steedae str. IAM 14972 AB0872
AF328155.1 gg_id:21461 Simonsiella steedae str. ATCC29445 AF3281
AM397080.1 gg_id:170117 Deefgea rivuli str. WB 3.4-79 AM397
FJ347759.1 gg_id:359570 Deefgea sp. str. nsw-4 FJ3477
AB525415.1 gg_id:575021 Eikenella corrodens str. JCM 12952 AB5254
GQ422740.1 gg_id:574200 Eikenella corrodens str. Moore D25 GQ422
EF509092.1 gg_id:226450 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5090

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12111.8	8584.4	7876.7	9018.1	7431.5	8165.8	8617.3	7375.5	9638.0	6167.8	8563.3
149.9	5057.5	6296.0	6735.6	5498.9	5222.5	5340.1	4917.1	3122.6	2180.5	4266.9
5065.2	10950.4	8863.1	8616.1	8636.7	9601.9	8107.2	7712.0	8420.4	4998.3	8311.7
4162.9	6684.4	7240.5	9106.5	8829.4	7309.2	9361.7	8423.7	6211.1	3296.6	7527.4
1307.1	4894.6	5924.8	6472.9	5628.3	5083.0	5565.7	5719.8	6302.2	4428.0	3639.0
30922.3	10570.0	9159.2	10010.7	8579.3	9752.4	9287.7	8573.1	11427.8	8324.1	10858.0
12971.2	10827.7	8455.9	9159.5	8180.3	9218.4	8911.5	8340.5	11042.4	8513.2	14589.9
8874.7	7992.8	7339.2	8471.1	4651.0	6589.9	8470.0	6315.9	3227.4	3864.3	3143.6
3996.7	3761.9	4092.9	3888.3	3700.2	4176.8	3373.5	4765.8	2756.3	3127.3	3594.1
4162.8	6216.1	6940.8	6955.9	4862.6	5697.2	4935.6	6673.0	8785.7	4129.2	3863.2
155.2	1731.4	1465.5	1732.5	1873.7	2102.2	2087.5	1861.7	1476.3	1184.5	1521.7
660.0	3402.0	3726.7	3406.4	2676.9	3958.5	2291.9	3735.5	1638.5	2270.3	2012.1
2239.3	3271.9	2888.8	2837.3	2480.7	3047.8	2231.7	2651.7	2591.9	3099.4	2665.7
9405.9	6074.7	5980.8	5023.2	5582.5	6740.4	5260.6	5954.0	5888.8	3166.6	4213.5
1109.6	5808.2	5996.5	6068.8	5902.6	5338.1	5225.2	5847.7	3201.8	5274.5	4875.3
2065.0	4902.1	5743.1	6189.4	5945.2	5088.7	5756.0	6178.6	3436.6	4136.5	5253.4
1235.4	3616.6	3892.3	3575.5	4162.1	3735.0	3088.8	3807.3	1766.7	2950.4	2239.3
1709.9	2355.9	2693.8	2677.7	3820.8	3205.6	3430.0	2857.8	1776.3	1431.2	2447.8
926.5	6028.0	6313.2	7500.9	5148.5	5685.8	4398.8	6933.3	4522.3	7286.0	5351.1
3974.2	3963.9	4151.7	6072.4	4059.0	4267.0	2528.5	5247.5	3154.9	4607.9	3980.0
7858.8	6633.6	6380.4	7153.8	6962.6	6216.7	6393.0	6377.4	5581.3	5547.8	6452.2
5481.3	7712.1	7394.3	6607.5	4727.4	7943.9	7868.6	6510.2	5812.5	9541.6	9925.7
2364.4	3372.5	3920.6	5020.3	4219.9	3470.2	3749.1	4529.0	3780.8	4908.7	4199.0
15422.1	7579.4	6995.2	7299.6	7588.4	7011.7	7839.4	6377.4	6433.0	6817.3	8064.1
4248.9	7333.3	7525.5	8692.3	6289.6	6785.4	5639.5	7648.9	6736.2	9138.4	7542.2
5658.1	5305.7	5131.2	5406.9	5315.4	4782.9	4940.9	4588.6	4189.5	3681.4	4666.6
7187.8	5474.1	5485.5	5203.1	4020.8	5029.7	5297.2	4686.8	5556.5	4536.2	6698.8
9595.6	6897.8	7243.8	7776.0	7474.5	6728.7	5845.4	7139.4	6839.0	6284.5	6492.5
1483.7	3229.3	3055.1	3005.4	3190.4	2798.9	2547.0	3294.5	2008.3	1984.8	3833.4
4680.0	5318.2	4957.2	5021.2	4449.0	4802.8	3933.3	4654.5	4043.5	3226.9	4794.9
478.7	1910.6	2367.4	2683.8	3027.7	2269.7	2601.7	2486.0	1516.4	1343.9	1235.0
14835.4	7059.9	6240.2	6780.2	5668.5	6083.4	5839.3	5763.5	7338.6	5709.0	8862.0
6975.6	5238.9	5442.8	5451.3	5072.6	5547.3	4082.7	5323.1	4576.7	5889.9	5239.1
4886.4	4971.7	5509.5	5526.4	5980.6	5309.1	5656.1	5752.4	4610.3	3591.2	6195.6
2380.1	4113.1	4063.0	5361.8	4171.0	5161.1	4271.1	4444.3	4453.2	3715.7	6029.4
111.3	752.4	1780.3	1623.8	708.6	1230.0	333.0	807.6	220.1	367.2	306.3
214.0	3549.9	4663.2	5402.5	4845.3	4451.6	3957.4	4504.6	2401.7	2244.5	3045.7
14774.7	8014.6	8307.9	9080.0	8787.2	8556.0	9893.3	8122.6	6877.6	6612.5	11672.3
5547.2	5457.0	5130.3	5831.0	5766.4	6347.3	6978.6	5646.4	5416.1	5954.5	6499.8
4686.8	2877.7	3144.2	3340.6	3518.6	3836.8	4480.7	3755.1	1850.1	2407.7	3089.9

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5190.8	5491.2	5942.9
8404.5	9681.9	8095.2
8193.1	9246.6	8424.3
3725.0	6039.8	4889.4
3900.9	3287.8	3581.4
7794.2	6501.5	6143.2
1372.8	1659.1	957.6
4652.4	5096.8	2654.2
2991.7	4442.2	2864.5
6315.3	7070.1	4699.3
6130.9	6339.6	3685.4
6205.3	6207.6	4464.7
4068.8	5205.9	3261.7
3023.6	3176.8	3384.8
8334.0	6120.5	2592.4
6884.4	5401.1	2989.8
7400.5	6840.1	5563.4
7292.8	6775.7	4667.6
6080.4	3902.8	2475.3
7736.6	7121.6	5624.7
8415.7	7328.0	3852.1
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4717.1	6179.7	4427.6
7850.5	7198.6	5335.1
3108.0	4147.3	2002.3
4310.0	4230.6	2674.0
2724.5	3033.9	1402.1
6388.8	7062.4	5082.2
5397.4	6587.4	3317.3
5512.7	6306.7	3518.1
4604.7	5682.4	2908.2
2095.2	1154.4	362.0
6504.6	5107.5	3844.6
8831.8	8001.9	7618.9
5810.8	5536.1	5436.3
3086.7	3833.2	2056.8

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s__Kingella oralis	14624
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s__Laribacter hongkongensis	16670
s__Microvirgula aerodenitrificans	16829
s__Neisseria bacilliformis	14365
s__Neisseria bacilliformis	14720
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s__Neisseria cinerea	15141
s__Neisseria elongata	14793
s__Neisseria gonorrhoeae	14822
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s__Neisseria meningitidis	14334
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L06165.1 gg_id:6388 Eikenella species L06165
DQ226069.1 gg_id:141574 Iodobacter sp. Ba725/02 DQ226
AY628416.1 gg_id:103564 Kingella kingae M04-42 AY6284
NZ_ACJW02000005.1 gg_id:470523 Kingella oralis str. ATCC 51147 NZ_AC
AY644511.1 gg_id:107215 Kingella sp. M03-232 AY6445
AY349388.1 gg_id:92601 human oral cavity clone JC012 AY3493
DQ003616.1 gg_id:125235 Kingella genomosp. P1 oral cone MB2_C20 DQ003
GU227231.1 gg_id:536311 Microbiological immunological Adolescent Moroccan Aggressive Periodontitis Patier GU227
EU118276.2 gg_id:248652 Laribacter hongkongensis str. LHHZ69f EU118
U89333.1 gg_id:6367 Microvirgula aerodenitrificans str. Sgly2 U89333
DQ117531.1 gg_id:133808 Neisseria bacilliformis str. MDA1552 DQ117
AY560519.1 gg_id:98975 Neisseria bacilliformis str. MDA2833 AY5605
DQ117530.1 gg_id:134552 Neisseria bacilliformis str. CCUG38158 DQ117
FJ951437.1 gg_id:546099 Neisseria cinerea str. 26035404 FJ9514
AJ239302.1 gg_id:6408 Neisseria elongata str. I3 AJ2393
NZ_ABZQ01000103.1 gg_id:405639 Neisseria gonorrhoeae str. SK-93-1035 NZ_AB
AF146369.1 gg_id:6458 Neisseria gonorrhoeae str. 76993 AF1463
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AJ239285.1 gg_id:6466 Neisseria lactamica str. L22 AJ2392
AF398320.1 gg_id:62759 Neisseria meningitidis str. M8237 AF3983
DQ201326.1 gg_id:139944 Neisseria meningitidis str. CMCC(B)29025 DQ201
DQ201330.1 gg_id:140124 Neisseria meningitidis str. CMCC(B)29034 DQ201
AF382302.1 gg_id:65958 Neisseria meningitidis str. M7855 AF3823
AY146978.1 gg_id:77115 Neisseria meningitidis str. N.451/91 AY1469
DQ201332.1 gg_id:140512 Neisseria meningitidis str. CMCC(B)29040 DQ201
DQ201321.1 gg_id:140447 Neisseria meningitidis str. CMCC(B)29204 DQ201
AF310541.1 gg_id:32179 Neisseria meningitidis str. M239 AF3105
AF310340.1 gg_id:46099 Neisseria meningitidis str. M7284 AF3103
AF409943.1 gg_id:60511 Neisseria meningitidis str. M1141 AF4099
AF310406.1 gg_id:73554 Neisseria meningitidis str. M7153 AF3104
AF398321.1 gg_id:62758 Neisseria meningitidis str. M8236 AF3983
AF382305.1 gg_id:70564 Neisseria meningitidis str. M7860 AF3823
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AF398300.1 gg_id:62776 Neisseria meningitidis str. M7745 AF3983
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AY132142.1 gg_id:59580 Neisseria meningitidis str. M8586 AY1321
AY146975.1 gg_id:76992 Neisseria meningitidis str. N.221/91 AY1469

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3948.6	3961.0	4444.2	3942.8	3253.6	3607.8	2853.5	4220.0	4201.0	1606.5	3462.5
1013.5	7231.3	8295.5	8027.3	6439.2	7149.8	6202.1	7658.9	6995.8	4923.0	7205.8
573.3	1833.0	1651.6	1048.3	1682.5	1253.1	1292.8	871.3	1114.7	416.2	1172.9
3221.6	6781.9	7689.8	7890.0	5439.0	6456.3	7615.9	7513.4	7571.5	3910.5	7178.0
2166.7	6700.9	8377.3	7692.8	5624.8	7243.5	6029.6	7758.8	6404.4	5630.1	7968.2
3310.7	5413.9	5129.2	5217.4	4960.0	4333.7	5089.1	3907.6	4055.3	2355.4	4803.5
66.2	641.8	655.9	677.4	388.3	535.4	385.3	845.2	393.7	104.5	346.1
377.7	2296.4	2720.9	2684.2	2807.3	2915.0	1618.1	3344.1	1974.0	1960.1	3252.9
3202.0	6027.5	5626.6	5595.9	5433.9	6361.1	5575.0	5363.7	4213.2	3314.7	5508.9
277.1	1056.5	1140.6	1484.4	915.1	1811.5	787.1	1020.4	495.5	1117.4	699.2
9075.8	4733.9	4482.2	5021.9	4357.1	5118.2	5636.5	5274.1	4876.0	4939.7	5842.2
8153.7	5188.6	4931.8	4767.5	4616.0	4829.1	4971.9	4567.0	4952.3	4045.2	5028.9
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2297.5	4465.5	4457.0	5139.6	4616.0	4303.7	4862.0	4739.4	4707.3	3659.7	5241.5
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1757.8	3544.7	3774.0	4139.9	3756.1	3411.1	4040.3	3898.6	3764.6	3095.3	4128.6
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4617.6	3860.3	3981.6	3986.7	3382.1	3644.2	2664.1	4029.2	2863.3	3776.7	3651.5
4082.1	3896.9	3624.7	3634.9	3185.9	3691.1	2602.4	4098.8	2399.0	3136.6	2581.5
7808.8	7156.6	6873.3	6791.3	5493.8	6343.1	5463.9	6287.5	5519.2	4455.3	5896.4
4508.9	5922.6	5847.4	5576.5	4906.0	5304.0	4615.9	5462.4	4318.6	4396.9	4998.0
4626.6	4160.4	4049.2	4094.5	3320.1	3947.4	2750.8	4332.1	2950.2	3481.3	3747.7
27388.4	11223.6	9910.2	12189.1	11287.5	10592.1	12243.5	10240.4	15755.0	13650.3	15106.7
1302.0	3016.0	4057.8	3227.6	3615.1	3111.8	2834.0	3692.7	2903.8	4830.4	4090.2
4435.3	4119.9	4527.3	4033.1	3337.3	3990.7	2765.0	4016.3	2995.6	2701.5	3050.8
6069.0	6360.2	6011.1	6129.2	5169.9	6352.2	5074.7	5546.8	5049.4	4184.1	5545.7
2722.1	3051.2	3088.4	3072.1	2414.4	3170.6	1845.7	3297.3	2098.5	2127.7	2920.8
4592.0	4241.1	4179.5	4142.2	3527.3	3768.0	2933.1	4417.7	3016.4	3308.4	3882.4
4614.9	3664.5	4361.8	3866.4	3369.2	3485.2	2597.6	3624.2	2746.4	3137.8	2738.1
2411.5	3054.4	3680.1	3156.1	2672.2	3065.7	2111.2	3109.4	2121.6	1679.3	2187.5
4340.0	4181.6	3943.4	4273.4	3349.5	3995.0	2920.4	4416.2	3018.6	3804.7	3818.4
2769.0	5126.3	4985.2	4914.5	4582.1	5238.9	4226.8	4721.7	3848.7	4125.7	4647.4
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2687.4	3129.4	3196.1	3108.1	2600.9	2978.4	2028.0	3353.1	2164.6	2045.0	3041.7
3170.5	4071.7	3756.3	4126.5	3431.1	4065.8	3013.8	4414.5	2936.4	3699.9	3843.4
1970.6	3916.7	3386.7	3721.6	2798.5	3885.0	2622.7	3947.4	2766.3	2195.2	3701.0
4346.5	4314.5	3946.2	4339.2	3252.2	4088.2	2863.5	4494.7	3116.9	3442.9	3859.7

2477.6	2437.7	2197.6
4550.7	3768.3	1805.0
4608.4	4287.7	3279.5
8701.8	7011.4	6339.4
990.2	1462.9	970.6
7432.0	6893.2	5995.5
7241.3	7006.8	6311.1
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390.3	511.4	290.5
7987.8	4178.2	2678.4
5206.6	5159.8	4366.0
1657.5	2210.7	1015.5
5737.6	6508.7	4769.7
4536.1	5355.6	3601.4
4291.6	5109.5	3027.5
4228.7	4738.8	4360.6
4157.6	4602.7	4055.8
3333.7	4004.7	3460.4
6896.2	6597.4	5001.3
4277.6	4494.5	3077.8
4130.7	4534.8	3283.8
7700.3	6743.9	5456.5
6682.8	5863.1	4389.4
4461.8	4512.6	3509.3
10402.8	12370.2	10358.9
3179.8	4174.5	3605.0
4856.7	4386.3	3059.4
6353.6	6069.1	4710.7
3424.5	3547.7	2423.1
4198.1	4345.9	3529.2
4817.8	4341.6	2562.8
3972.3	3659.6	2097.0
4446.5	4808.0	3497.5
5336.1	5188.2	3719.9
3584.7	3875.1	2796.4
3607.6	3996.5	2728.9
3246.0	3706.1	2563.3
3138.2	3442.1	2443.0
4530.3	4757.9	3598.3
3790.5	3604.9	3078.5
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AF409946.1 gg_id:60510 Neisseria meningitidis str. M690 AF4099
AF310540.1 gg_id:18187 Neisseria meningitidis str. M6199 AF3105
AJ239298.1 gg_id:6444 Neisseria polysaccharea str. P8 AJ2392
AJ239315.1 gg_id:6455 Neisseria polysaccharea str. P7 AJ2393
AJ239308.1 gg_id:6450 Neisseria meningitidis str. HF116 AJ2393
AJ239312.1 gg_id:6471 Neisseria meningitidis str. S3446 AJ2393
AJ239281.1 gg_id:6437 Neisseria pharyngis str. NCTC4590 AJ2392
AJ239282.1 gg_id:6401 Neisseria mucosa str. LNP405 AJ2392
AJ239294.1 gg_id:6443 Neisseria sicca str. Q29 AJ2392
AJ239301.1 gg_id:6447 Neisseria flava str. U40 AJ2393
AF479577.1 gg_id:53760 Neisseria subflava str. NJ9702 AF4795
EF511930.1 gg_id:217706 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5119
AJ239291.1 gg_id:6429 Neisseria subflava str. U37 AJ2392
FJ823154.1 gg_id:569075 Neisseria mucosa str. TeTa FJ8231
AF479578.1 gg_id:16823 Neisseria subflava str. NJ9703 AF4795
L10738.1 gg_id:6396 Neisseria weaveri L10738
AF395911.1 gg_id:51956 Neisseria weaveri VA6362grgr_2001 AF3959
NZ_ABZO01000111.1 gg_id:440950 Neisseria gonorrhoeae str. PID332 NZ_AB
AF398310.1 gg_id:62766 Neisseria meningitidis str. M7724 AF3983
FJ191618.1 gg_id:354448 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1916
FM874743.1 gg_id:363843 occupant source house dust skin surface swab clone SA02H07 FM874
EF511172.1 gg_id:218785 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5111
AF398299.1 gg_id:62778 Neisseria meningitidis str. M7744 AF3982
AF310565.1 gg_id:32023 Neisseria meningitidis str. M2786 AF3105
GU233442.1 gg_id:517381 Neisseria iguanae str. NVSL 85737 GU233
EF511120.1 gg_id:221884 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5111
DQ201335.1 gg_id:139970 Neisseria meningitidis str. CMCC(B)29201 DQ201
AJ239299.1 gg_id:6445 Neisseria cinerea str. F1 AJ2392
FJ192856.1 gg_id:338605 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1928
FJ191574.1 gg_id:335421 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1915
AY648028.1 gg_id:104161 Neisseria meningitidis str. NZ90/21 AY648
AY648033.1 gg_id:99467 Neisseria meningitidis str. NZ00/189 AY648
FJ192099.1 gg_id:338921 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1920
AF409940.1 gg_id:60517 Neisseria meningitidis str. M4643 AF4099
NZ_ACQV01000002.1 gg_id:470738 Neisseria flavescens str. SK114 NZ_AC
AF398309.1 gg_id:62767 Neisseria meningitidis str. M7921 AF3983
EF511128.1 gg_id:221648 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5111
NZ_ACEN01000027.1 gg_id:470720 Neisseria flavescens str. NRL30031/H210 NZ_AC
AY005029.1 gg_id:42684 subgingival dental plaque clone AK105 AY005
AF398308.1 gg_id:62770 Neisseria meningitidis str. M7509 AF3983

3940.9	3492.1	3400.4	3254.6	2810.6	3249.3	2419.1	3584.4	2386.3	2316.0	3146.4
1481.4	3045.6	2701.6	3030.0	2342.2	3526.2	2050.2	3472.4	2051.1	2028.0	3082.1
4316.0	4091.9	4639.2	4125.6	3540.8	3779.0	2863.2	4107.4	2920.1	2942.7	3028.2
7920.3	6771.9	6339.2	5329.8	4846.9	5908.5	5509.0	5112.5	5566.5	4332.7	4820.0
7574.0	6334.2	5864.2	4872.5	4705.5	5576.1	5324.7	5187.3	5690.5	3679.1	4601.5
6937.2	5527.9	5275.5	3979.4	3217.1	4416.0	4195.4	3857.8	4347.7	2369.2	2891.7
9739.4	8037.8	7577.4	7499.5	5780.7	6341.1	5760.0	6458.3	6370.7	4493.9	6365.1
680.0	965.2	965.5	674.6	622.8	891.1	663.2	854.9	733.1	628.1	490.8
4221.5	4035.2	4166.1	3401.6	3620.6	3703.7	4113.2	4024.7	3507.5	2793.2	3288.6
286.4	669.0	699.9	749.1	794.4	700.6	820.5	916.1	404.9	420.1	532.5
4599.8	5222.1	3877.3	2824.0	3551.4	4037.8	3915.8	4509.8	3264.1	2019.4	2031.3
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127.2	254.0	419.6	250.0	256.2	267.0	206.6	252.0	167.2	107.6	281.4
4583.4	5815.0	5076.3	4359.2	4249.6	4567.9	4648.1	5178.0	4586.1	2285.2	5617.8
1818.9	5025.6	4144.7	3613.6	3453.4	3696.6	3934.7	4583.8	3332.6	1431.1	4767.6
13177.8	6612.2	6106.2	7630.2	5795.9	6127.3	6533.7	6177.9	6407.9	4316.8	7771.2
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3537.1	2514.5	2843.6	3499.1	3283.4	3107.0	2443.0	3249.2	1679.7	3050.5	3064.7
3390.7	4426.2	4294.2	4474.3	4122.5	4184.4	4910.6	4260.2	4780.8	3283.6	4441.4
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1858.9	3233.8	3240.9	2663.1	2224.0	3695.2	2701.0	2815.4	2299.1	2103.9	1802.6
7810.8	6741.7	6451.0	5422.4	5050.4	5577.0	5607.3	5203.6	5479.8	4575.7	4797.4
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10665.5	6547.2	5845.5	6069.3	6553.2	5691.8	6712.9	6094.8	7175.3	7125.7	8205.4
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6524.0	5183.2	4656.8	5446.9	4220.8	4663.4	3466.7	5048.8	4192.7	5048.3	5079.6
6817.0	5459.3	4438.8	3572.2	2941.6	4548.5	3957.0	3471.0	4191.3	2767.3	3020.8
3950.4	3226.8	2628.0	3069.2	3099.2	2649.9	3049.4	2842.3	3067.0	2139.2	4127.6
5354.8	5937.5	4607.5	3790.4	3372.4	4993.0	4403.3	4315.1	4366.6	2612.9	3575.6
5359.2	2642.9	2518.4	3376.6	3190.7	2704.0	3135.3	2750.1	3028.3	2627.0	3615.6
7084.1	4704.2	4369.2	4714.5	3263.8	4308.5	3081.6	4551.5	3546.7	2849.3	3794.5
4951.6	2805.0	3823.8	3935.6	3597.6	3891.1	4250.9	4077.4	4934.6	3862.7	5736.9
54.2	392.0	599.4	607.0	729.2	415.2	612.4	524.4	296.8	759.9	1188.2
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8737.2	5605.7	4959.8	3687.8	3445.4	4262.2	4058.1	3810.6	4103.6	3278.3	2774.1

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3545.7	3603.3	2589.6
4965.9	4544.5	3105.9
5609.2	5135.5	3865.9
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3847.4	3985.7	2060.0
7718.5	6469.9	5273.5
631.3	975.2	573.5
3456.1	3939.4	2442.4
602.0	908.8	668.1
2863.9	3546.0	2721.4
9017.6	11050.6	8429.0
357.4	453.1	140.4
3662.4	4828.8	3105.2
2715.8	4160.5	2428.2
6301.9	7190.3	6614.5
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3432.3	3832.0	2932.0
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3114.6	3554.7	2135.6
5718.4	5283.8	3909.3
3673.0	4300.7	3409.7
3703.2	5698.6	5384.1
4201.2	4668.1	4215.0
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6165.1	6141.1	7053.0
2584.9	3397.1	2925.5
5727.5	5475.5	3826.1
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AY648032.1 gg_id:99318 Neisseria meningitidis str. NZ00/134 AY648
DQ201336.1 gg_id:140609 Neisseria meningitidis str. CMCC(B)29202 DQ201
FJ191449.1 gg_id:316460 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1914
AF382307.1 gg_id:65953 Neisseria meningitidis str. M7925 AF3823
AF310344.1 gg_id:30575 Neisseria meningitidis str. M3291 AF3103
EF509732.1 gg_id:218613 Loss During Antibiotic Treatment 1 Intubated Patients Colonized Pseudomonas aerug EF5097
AF310551.1 gg_id:52834 Neisseria meningitidis str. M4797 AF3105
AF398275.1 gg_id:62802 Neisseria meningitidis str. M812 AF3982
AF409938.1 gg_id:60518 Neisseria meningitidis str. M4644 AF4099
FJ191958.1 gg_id:321506 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1919
DQ201323.1 gg_id:140409 Neisseria meningitidis str. CMCC(B)29019 DQ201
DQ201329.1 gg_id:140166 Neisseria meningitidis str. CMCC(B)29031 DQ201
AJ239284.1 gg_id:6465 Neisseria lactamica str. L20 AJ2392
AY132119.1 gg_id:59602 Neisseria meningitidis str. M8574 AY1321
FJ191979.1 gg_id:350810 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1919
AJ239293.1 gg_id:6442 Neisseria sicca str. Q28 AJ2392
AJ239280.1 gg_id:6428 Neisseria flavescens str. LNP444 AJ2392
FJ192352.1 gg_id:350507 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1923
FJ976263.1 gg_id:539814 Interindividual healthy human oral microbiota mouth clone 6BBB59 FJ9762
AY132085.1 gg_id:69908 Neisseria meningitidis str. M9097 AY1320
NZ_ACQV01000025.1 gg_id:470744 Neisseria flavescens str. SK114 NZ_AC
FJ192317.1 gg_id:318935 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1923
AF398273.1 gg_id:62803 Neisseria meningitidis str. M1168 AF3982
AF398301.1 gg_id:62777 Neisseria meningitidis str. M7918 AF3983
FJ192355.1 gg_id:353666 Genetic inventory 'KSC-PHSF' spacecraft assembly clean room during Phoenix missior FJ1923
DQ201334.1 gg_id:139856 Neisseria meningitidis str. CMCC(B)29046 DQ201
AY648034.1 gg_id:99627 Neisseria meningitidis str. NZ00/215 AY648
AF398325.1 gg_id:62755 Neisseria meningitidis str. N.33/00 AF3983
NZ_ACDX01000110.1 gg_id:470729 Neisseria mucosa str. ATCC 25996 NZ_AC
L06171.1 gg_id:6402 Neisseria elongata L06171
AF409941.1 gg_id:72478 Neisseria meningitidis str. M1417 AF4099
AF398252.1 gg_id:62824 Neisseria meningitidis str. M5283 AF3982
AB194302.1 gg_id:108299 Sivamonas terrae str. KM-45 AB1943
AF328146.1 gg_id:69998 Simonsiella muelleri str. ATCC29441 AF3281
FJ976380.1 gg_id:554114 Interindividual healthy human oral microbiota mouth clone 22B524 FJ9763
GQ102572.1 gg_id:447914 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ102
DQ003630.1 gg_id:126626 human mouth clone MB5_P15 DQ003
GQ106230.1 gg_id:468425 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ106
EF212919.1 gg_id:214313 Stenoxybacter acetivorans str. TAM-WH4 EF2129
DQ837616.1 gg_id:164644 structures honeybee intestines and their response insecticidal proteins gut clone HB DQ837
AB192065.1 gg_id:144630 termite gut homogenate clone M1NP1-30 AB1920

5378.7	5527.4	4379.2	3623.7	3216.8	4850.2	4115.1	3898.8	4202.5	3031.5	3329.3
5611.0	7114.7	6344.6	5954.4	5372.4	5884.5	6225.0	5674.5	8483.7	5757.9	5550.3
10397.7	5508.2	4629.2	6181.4	5126.4	4970.3	4959.7	4862.2	5705.7	3516.6	6710.1
7632.2	6566.6	5574.6	4460.9	4209.4	5323.4	4903.9	4840.5	4870.9	4225.9	3945.4
6538.9	5619.4	5177.3	4030.8	3318.8	4824.7	4051.7	4092.7	4153.9	2671.3	3009.4
3765.5	2396.6	2063.7	3392.3	2357.9	2613.0	1899.4	2577.4	1287.3	1198.3	2806.2
1480.8	2874.5	2702.7	3018.5	2438.4	3238.4	2044.0	3273.8	2023.8	2346.3	2946.6
5063.4	5698.4	5193.7	3913.5	3579.3	4762.6	4401.8	4125.3	4220.0	2468.1	3109.4
5348.2	5688.6	4557.3	3761.1	3461.8	4828.5	4357.6	4248.5	4185.0	2949.2	3552.1
3866.8	3028.0	2607.7	3278.4	3188.4	2871.3	4007.2	2683.2	3194.5	2040.4	3850.3
2005.0	3620.1	4328.9	4669.6	4140.3	3375.6	5321.3	3597.8	2014.9	1079.5	3562.1
5926.3	6190.0	6110.0	5794.9	4912.2	5114.9	4646.7	5578.3	4533.3	3952.6	5135.4
11406.3	7989.5	7440.8	6562.8	6819.8	7348.5	6383.1	7064.2	7013.7	6853.0	7059.5
8316.2	6531.7	6128.6	4812.3	4226.0	5104.6	4898.6	4736.0	4924.0	3702.7	3290.8
4136.8	3401.5	2859.4	2574.9	2804.2	2627.6	3383.1	2546.8	2996.2	1791.9	3127.3
5185.4	5349.9	4574.3	4238.6	4196.2	4698.2	5152.8	4938.3	4178.4	3631.7	4394.8
346.7	193.3	230.9	323.0	195.1	222.7	190.4	329.2	201.8	180.3	128.2
1513.9	2203.4	1639.5	2211.5	1978.8	1677.7	1590.6	2019.0	1707.1	1693.4	2671.4
4608.9	5010.7	4578.0	5625.0	5376.0	4817.6	5243.1	4822.4	3755.4	3061.3	6167.3
5743.2	4815.6	4358.0	4511.2	3402.1	4272.9	3107.3	4649.5	2795.8	3580.7	4119.8
18799.0	10203.2	10298.5	12850.6	11789.1	8755.8	11271.7	9950.3	11479.0	9425.0	15069.7
2580.9	2459.4	2080.2	2614.3	2441.0	2299.8	3002.4	2213.8	2551.3	1204.2	2634.7
5617.4	5559.2	4683.2	3645.0	3458.7	4678.7	4105.3	4205.8	3969.9	3029.8	3337.8
6722.4	4665.5	4127.8	3087.4	2741.6	3718.5	3309.4	3273.8	3259.0	2488.2	2470.2
6637.8	6557.7	5774.6	8254.0	6650.8	6079.3	5974.3	6323.7	9760.5	6741.8	7119.2
5392.0	6732.5	6640.7	7334.1	6588.0	6756.8	6006.9	7235.5	5838.8	7874.9	6618.4
6534.7	4959.3	4581.8	4834.2	3766.2	4525.1	3488.2	4423.4	3171.2	4491.0	4449.1
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131.1	720.1	777.3	623.4	627.2	1168.4	456.7	668.0	264.7	227.4	452.9
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123.6	697.5	838.4	427.1	376.4	744.9	218.0	755.0	269.0	110.3	528.7
50.7	56.1	63.6	54.7	49.3	39.4	35.3	73.3	40.5	26.6	69.0
85.9	1451.8	1610.4	1735.9	917.3	1555.1	530.4	2308.8	1273.0	652.9	1393.4
5753.9	2020.3	1726.9	1726.2	2273.5	2372.2	1717.8	2269.8	1755.0	983.9	1637.8
221.2	523.9	749.6	665.8	272.6	713.9	299.9	734.7	211.0	305.2	449.2
12439.2	6675.7	6106.5	6790.9	7366.6	7604.4	7380.9	6412.1	5662.1	5946.0	7851.4
62.7	261.1	212.5	197.0	225.1	292.7	151.5	408.4	131.1	75.1	128.5
2302.9	2930.6	3081.7	3122.0	2651.0	3072.7	4519.4	3505.8	1981.8	1621.0	2988.3
123.6	592.1	884.2	904.4	492.9	591.7	476.2	919.9	545.8	452.2	718.3

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4495.1	5687.9	5471.1
4843.7	4969.5	3528.5
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2546.4	3160.8	2479.7
3394.7	3715.0	2428.6
4122.3	4100.1	2662.8
3689.0	4161.7	2914.1
2400.1	2738.8	2796.7
2927.5	3731.8	3515.1
6393.1	5557.1	4372.6
6809.9	7434.9	5337.1
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10986.3	9777.2	10866.3
1759.8	2577.0	2116.0
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7560.9	7470.6	6141.9
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3405.3	2996.1	2088.2
4452.4	4352.4	3152.4
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683.3	711.9	265.9
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2253.1	2370.6	2465.1
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GQ081231.1 gg_id:409517 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ080914.1 gg_id:395260 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ080
GQ081030.1 gg_id:389030 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
EU370420.1 gg_id:264994 Neisseria sp. str. 93S1 EU370
GQ081359.1 gg_id:371512 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
AY157705.1 gg_id:75888 Neisseria sp. str. CCUG 46910 AY157
GQ068955.1 gg_id:404060 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ081249.1 gg_id:397165 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ068667.1 gg_id:466523 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
L06166.1 gg_id:6473 Kingella denitrificans L06166
AY721627.1 gg_id:104026 'New Zealand ' AY721
GQ081033.1 gg_id:436445 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
FM874017.1 gg_id:359961 occupant source house mattress dust clone MB05B09 FM874
FJ356021.1 gg_id:365006 Targeted FACS enrichment groups lab scale systems aerobic lab-scale EBPR activated FJ3560
FJ502346.1 gg_id:512007 Neisseria sp. str. GRW38 FJ5023
GQ068870.1 gg_id:426828 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ094121.1 gg_id:457731 Topographical and Temporal Human Skin Microbiome skin alar crease clone nbw37(GQ094
FJ876273.1 gg_id:589124 Neisseria sp. str. CSL 7565 FJ8762
GQ081376.1 gg_id:414774 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ068798.1 gg_id:391640 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
FJ356031.1 gg_id:368201 Targeted FACS enrichment groups lab scale systems anaerobic:aerobic lab-scale EBPF FJ3560
DQ836355.1 gg_id:168478 Prevotia chitinolytica str. JS11-7 DQ836
GQ081072.1 gg_id:384019 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
NR_025742.1 gg_id:558848 Chitinibacter tainanensis str. S1; BCRC 17254 NR_02
AY426973.1 gg_id:105593 Neisseria canis VA25810gw_03 AY426
GQ068787.1 gg_id:376358 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
AJ239288.1 gg_id:6399 Neisseria animalis str. NCTC10212 AJ2392
GQ081076.1 gg_id:449889 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ081274.1 gg_id:438498 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ068790.1 gg_id:413125 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ080929.1 gg_id:374165 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ080
GQ081036.1 gg_id:418363 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ068846.1 gg_id:452848 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
DQ847448.1 gg_id:166045 human forearm skin clone LR2-63 DQ847
GQ032451.1 gg_id:450185 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw! GQ032
GQ068942.1 gg_id:392219 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ017304.1 gg_id:492364 Topographical and Temporal Human Skin Microbiome skin nare clone nbu119c05c1 GQ017
GQ081358.1 gg_id:438216 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ068691.1 gg_id:466608 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
CU924421.1 gg_id:556357 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU924
Y17602.1 gg_id:6368 Formivibrio citricus str. DSM 6150 Y17602

32614.8	12812.6	12069.7	13603.3	12271.6	11606.1	13114.9	11182.7	15124.2	11866.1	15486.3
35291.5	12040.6	11098.2	12937.4	12269.0	11035.5	10804.1	10615.3	16772.6	12935.0	17687.3
11136.1	10135.2	10380.7	11447.0	10020.8	10347.5	10484.4	9873.8	8273.1	7881.9	14045.6
10750.1	6307.9	6687.2	6827.2	6298.4	6044.6	7399.3	6057.2	7770.8	6162.2	8579.5
13032.9	9059.7	8572.6	9655.0	9119.0	8484.3	9066.7	8498.2	8847.3	10077.7	10654.5
938.1	1332.2	1308.6	1385.2	666.2	1021.7	652.1	1206.1	850.5	858.9	960.6
39658.7	11329.2	11163.1	11904.2	11519.7	10985.3	12056.1	10637.4	17085.6	11796.3	16292.9
9494.1	4378.1	4379.4	4880.5	4102.5	4234.3	4538.1	3895.2	4732.1	4161.9	6034.5
7077.1	5142.0	5276.7	6179.2	5705.8	5483.4	5176.2	5827.2	5790.9	5293.8	6998.5
11266.0	7713.2	7349.7	8369.3	8062.2	6952.4	8274.8	7579.4	7750.4	5046.5	8868.8
1155.3	2833.7	2947.2	3464.3	3555.3	3380.8	2168.1	3367.9	2025.9	1893.3	3990.3
7125.2	7329.0	6751.7	8138.2	6591.0	6833.4	7280.5	6426.8	7958.3	7441.4	6398.1
6901.1	4135.7	3594.3	3671.8	3270.3	3612.9	3585.7	3191.2	4683.0	2498.1	5848.5
17828.9	11159.0	12395.4	12354.2	9274.8	10502.5	10725.2	13198.1	16319.9	10492.7	13806.2
384.9	2198.8	2267.4	2103.5	2299.5	2759.2	1879.4	2561.4	1633.1	1928.8	1832.9
11946.1	11575.0	10866.5	12375.4	12202.7	10994.1	12463.0	10956.7	14273.6	14687.0	13259.1
1972.3	5038.5	4331.4	2875.7	3086.5	3284.5	3784.2	3252.5	3937.4	2964.1	3059.9
1201.4	7423.7	7133.3	7853.1	7378.2	7802.4	7973.4	6915.5	5533.3	4111.6	8514.2
16995.8	5847.3	5835.5	7117.8	5468.8	4995.7	5688.0	5326.8	6463.8	5664.5	8157.4
14500.0	8875.4	8493.8	9634.3	9649.4	8458.5	9533.3	8602.1	11742.8	11688.3	10335.8
14437.7	8779.6	9593.6	9050.5	6627.0	8119.9	7953.3	10443.3	12787.2	8989.6	9110.2
487.3	3796.6	5174.5	5342.9	4136.2	4373.0	3520.4	4759.6	3043.4	1983.1	2978.4
5688.1	5140.0	5491.9	6358.0	5811.5	5317.4	5235.7	5677.9	4976.4	3454.5	5279.4
2655.3	5104.8	5373.3	5246.3	4609.5	4586.6	2779.5	4906.8	4579.1	2928.9	3978.3
1153.1	4071.8	3658.8	4530.8	3836.8	3724.1	3683.7	3636.6	2116.4	3213.1	4173.3
34501.7	10612.6	10000.0	11465.1	10398.1	9850.3	10998.0	9799.5	14760.5	11187.9	15930.7
164.6	2012.1	2442.4	1543.4	1991.0	1636.1	1124.7	1742.0	1673.2	940.3	946.8
3149.3	5520.9	5687.4	6384.8	4851.7	5305.2	5219.1	5179.6	3779.1	3090.6	4305.8
18298.5	6639.8	6028.0	7191.8	6362.7	6469.2	6531.2	6378.1	8558.2	6836.4	9844.3
1257.0	7433.3	8033.2	6806.1	5917.0	7879.6	7835.3	6886.7	6040.2	9741.7	10027.1
6223.7	7173.0	6752.9	7513.9	6796.0	6863.4	6691.6	6462.0	6024.8	6603.4	6634.9
11307.6	8275.5	8549.3	8817.9	11110.4	8214.9	10686.7	10103.1	6854.3	12191.2	12205.3
5726.8	3278.9	4457.2	5151.2	4078.1	4111.4	4161.9	4975.2	3418.1	4930.9	4265.0
1870.9	2386.3	2395.1	2288.0	2008.2	1943.4	2101.8	2034.9	2472.9	2008.4	1979.4
14337.0	9011.5	8579.4	9075.3	7996.7	9645.4	9303.5	7704.0	9738.8	7774.3	10345.6
24988.2	9769.8	9250.0	10893.2	10140.0	9337.6	10232.2	9526.9	14708.0	11513.6	13393.1
31966.1	10529.5	10016.3	11751.0	11087.3	10520.5	11386.9	10172.3	15277.6	12454.4	16610.3
6509.1	4811.2	5862.7	6058.2	4788.7	4804.1	4153.7	5104.8	4121.9	2528.7	5064.6
9675.8	7448.1	7667.7	8286.4	7691.7	7324.4	7551.1	6864.4	6983.6	4632.0	10072.2
4016.6	8359.2	8347.7	8429.4	6638.5	7536.8	5937.0	8088.3	7670.6	6223.3	7080.0
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11515.8	14231.9	12090.2
10886.7	14791.0	11239.3
9509.3	10290.2	8615.2
6100.7	7344.0	5608.9
8812.1	9075.3	8149.2
1349.0	2085.1	628.6
10846.9	13284.6	11756.3
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6140.4	7587.4	6520.1
8046.3	6746.5	7286.2
2653.6	3079.8	3247.9
6180.5	7095.9	5757.0
3143.8	4017.9	2429.1
16608.7	11699.7	12332.3
2873.2	3294.3	1554.7
11411.4	11405.7	10900.2
2768.8	3139.2	2345.3
7030.2	6602.7	6940.7
5814.7	8200.9	5628.3
8751.1	10995.5	8564.6
12332.0	9484.0	8887.4
6571.8	4292.6	2552.1
6375.2	6992.4	6181.2
6921.9	4986.4	3250.1
3495.0	3624.6	2598.1
9892.0	11876.2	10440.9
1767.7	1762.8	1135.0
5454.1	6326.5	4489.3
6049.0	9837.1	6146.8
7882.5	6413.8	4934.3
7458.5	6905.0	6740.2
8852.4	8352.2	7993.6
3877.1	5380.8	5075.2
2108.1	2571.8	1969.6
8066.2	7791.0	6212.0
9223.1	11238.5	10283.3
10201.8	14386.1	10397.1
5611.3	6579.8	5026.6
7072.7	6635.9	7258.8
8727.6	7170.4	5811.7
426.7	731.6	319.0

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EU104028.1 gg_id:337734 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
DQ006843.1 gg_id:115401 Neisseria sp. R-24681 DQ006
FJ470512.1 gg_id:540352 Chinese human cavities healthy oral cavity clone A_D_03_77 FJ4705
GQ131417.1 gg_id:390069 Neisseria sp. oral taxon 014 str. F0314 GQ131
GQ081262.1 gg_id:401550 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ093550.1 gg_id:374530 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw366b1 GQ093
GQ068928.1 gg_id:426161 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
FJ236051.1 gg_id:311155 three Parisian treatment plants approaches drinking water clone Joinville2 FJ2360
GQ081304.1 gg_id:418238 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
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GQ071854.1 gg_id:435504 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw189b1 GQ071
GQ041765.1 gg_id:403344 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932c0 GQ041
AF487709.1 gg_id:58031 Neisseria dentiae str. V33 AF487
GQ041790.1 gg_id:437690 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932f05 GQ041
EU071524.1 gg_id:236675 and resistance microorganisms European clean room ESTEC HYDRA facility clone EHF EU071
GQ041752.1 gg_id:451137 Topographical and Temporal Human Skin Microbiome skin glabella clone nbw932b0 GQ041
GQ081386.1 gg_id:443089 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
GQ080998.1 gg_id:439533 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ080
GQ081230.1 gg_id:462985 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
FJ593907.1 gg_id:574480 Chitinibacter sp. str. TNR-14 FJ5939
GQ068705.1 gg_id:464085 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
DQ376554.1 gg_id:151309 Microbial ecology removing phosphate wastewater EBPR process aerobic sequencin DQ376
GQ080988.1 gg_id:456420 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ080
AJ629192.1 gg_id:129475 Kingella potus str. 3/SID/1128 AJ6291
DQ006842.1 gg_id:118296 Neisseria sp. R-24680 DQ006
GQ068696.1 gg_id:393940 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ068762.1 gg_id:412554 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ068
GQ008214.1 gg_id:501454 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ008
GQ081261.1 gg_id:446559 Topographical and Temporal Human Skin Microbiome skin external auditory canal cl GQ081
AY005028.1 gg_id:53569 Neisseria sp. oral strain str. B33KA AY005
DQ314581.1 gg_id:148882 chitin-degrading Taiwan C14 DQ314
AY609199.2 gg_id:140478 Chromobacterium sp. str. 2002 AY609
EU536080.1 gg_id:280825 profile human microbiota antecubital fossa (inner elbow) skin clone nbt08d11 EU536
AB013258.1 gg_id:6372 deep-sea sediment clone NKB6 AB013
AM295491.1 gg_id:164660 Gulbenkianus mobilis str. E4FC31 AM295
AY904024.1 gg_id:146009 Aquaspirillum sp. str. 411 AY904

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341.4	5420.6	6760.3	5787.7	5052.1	5322.7	5347.6	5415.2	3717.3	3469.6	4251.1
8040.4	4820.3	4800.9	5652.3	5241.0	4617.5	5159.0	4961.7	5588.0	4778.8	6078.1
3041.7	6102.8	5972.7	6730.9	6176.9	5955.6	5953.6	5974.1	5313.6	4338.3	6537.7
5430.6	5676.4	5256.3	6551.9	5503.0	5205.6	5558.6	5260.4	3426.9	3501.7	4964.2
14150.5	6111.3	5085.0	5566.2	5070.7	5057.6	7100.7	5472.8	5950.4	6696.0	6073.5
18764.2	8341.3	8097.2	9695.5	8103.3	7546.4	8432.1	7373.2	7011.7	7711.9	10045.0
9712.7	10572.6	12723.8	11662.5	9627.4	10617.2	13335.0	12706.8	15754.1	8359.1	13520.5
12380.8	8610.1	8458.7	9550.6	9636.6	8437.2	8971.2	8649.7	7712.1	10032.4	11167.2
54110.3	14980.1	14077.7	16197.4	13846.2	13808.2	16233.2	13183.4	21616.2	16900.5	22681.4
15179.4	7075.9	7179.3	8693.1	7909.6	7237.5	7566.0	7269.3	8338.5	6990.7	9414.3
8665.9	5877.6	5757.0	6529.9	5742.9	5638.5	5539.3	5643.3	4203.1	3503.6	4609.6
7556.3	7968.2	8230.4	7569.7	7355.4	7810.7	6772.3	6881.3	6667.3	5309.1	8530.6
2547.4	5146.3	5568.8	5687.4	3827.0	4957.6	4593.3	4867.1	3912.3	4386.1	5623.9
5217.9	4747.4	4623.5	5668.7	5435.0	4776.4	5624.4	5006.5	6128.1	8128.7	4996.5
37756.1	11885.1	10111.1	12734.5	11616.5	11653.4	13815.3	10789.8	15629.7	14135.6	17167.6
10186.9	5458.9	5374.0	5815.3	4835.6	5297.6	5280.8	4661.4	4675.9	4777.4	6580.7
218.6	2492.1	3579.8	1999.6	1818.8	2543.6	1791.1	2310.4	1563.3	848.8	1126.4
4153.5	5343.5	6348.9	5153.0	4021.5	4609.3	3617.6	4966.3	3078.9	2666.6	5354.4
2543.3	5456.5	5144.7	5703.5	6000.4	4870.9	6702.1	5176.8	2546.6	2996.6	5440.2
6108.0	5015.4	4576.7	4926.9	5726.0	4964.7	5447.6	4345.9	3383.0	3625.9	4703.0
12406.7	9404.4	8448.1	8986.9	9025.4	9131.7	9117.4	8763.4	10181.6	8002.3	11714.3
4521.0	4293.4	4587.2	5395.4	5373.2	4660.1	4090.0	5159.1	4251.7	2940.5	5088.1
10742.3	4413.6	3996.7	5493.7	4571.2	4304.5	4018.7	4559.5	5183.4	3578.0	5359.9
485.1	3397.3	4747.0	4545.7	4333.0	3496.4	3490.7	3737.5	1907.5	1834.8	2421.8
28324.1	12645.2	11135.9	12814.7	12726.3	12129.1	12625.5	10791.3	16023.7	12654.2	18407.9
16004.0	10593.2	12946.0	13314.5	10712.4	10243.6	12274.5	12768.9	14306.4	8160.4	15040.3
10133.1	7749.0	7966.1	7476.3	6777.0	6853.8	6853.5	6083.8	5770.2	6151.4	8973.4
3925.7	4177.9	4207.7	4811.5	4488.6	3999.2	5006.9	4368.3	3943.4	2692.6	4059.4
1898.2	5101.0	4730.6	5431.2	4592.3	5520.0	4567.0	5416.6	3871.1	2952.6	5042.4
12442.0	6733.3	6667.5	7523.0	6909.4	6459.0	6539.8	6729.5	6860.3	5306.6	8498.6
21794.0	9457.6	9365.1	10569.4	8965.0	8384.3	9404.3	8149.2	10253.3	6346.1	11614.9
1326.3	2678.3	3889.7	2509.9	2412.5	2610.2	2339.4	2258.7	2321.9	904.9	2572.8
3235.2	5457.6	6177.6	4927.3	4119.7	4526.2	4159.9	4266.3	4935.7	3180.6	5822.8
736.6	1839.4	2282.7	1913.2	2126.2	1935.3	1640.0	1814.3	1500.4	622.7	1351.0
386.5	3866.5	4312.5	4199.4	4722.8	4163.3	3381.3	4327.3	1931.7	1830.1	3911.0
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8757.2	9525.2	8687.0
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2381.6	1898.3	1828.0
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AB286476.1 gg_id:206343 Reducing production and domination comamonadaceae reducing oxygen supply was AB286
AB076000.1 gg_id:64884 Aquaspirillum putridiconchylium str. IAM 14964 AB076
FJ375419.1 gg_id:589312 T-RFLP powerful tool rapid assessment cells microbial fuel cell sheet carbon cloth ano FJ3754
L06174.1 gg_id:6375 Vitreoscilla stercoraria L06174
AF227863.1 gg_id:36932 str. 82348 AF227
AM689950.1 gg_id:226696 Vogesella sp. str. SK-2 AM689
AF287297.1 gg_id:29792 Nitrosococcus mobilis str. Nc2 AF287
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AJ621028.1 gg_id:105866 Nitrosomonas sp. Is86 AJ6210
AF272413.1 gg_id:40104 Nitrosomonas halophila AF272
FJ529930.1 gg_id:542891 Initial ammonia- and nitrite-oxidizing compromises successful nitritation counter-diffu FJ5299
AJ621032.1 gg_id:101077 Nitrosomonas sp. Is343 AJ6210
AF363289.1 gg_id:40156 Nitrosomonas sp. str. K1 AF363
EF092247.1 gg_id:265873 Persistent Axinella corrugata Nitrosomonas clone B276_F5 EF0922
AF272418.1 gg_id:16711 Nitrosomonas marina AF272
AF353164.1 gg_id:22792 Nitrosomonas sp. DYS323 AF353
AY123794.1 gg_id:69852 Nitrosomonas sp. str. Nm143 AY123
GQ396862.1 gg_id:559849 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
EF016119.1 gg_id:182102 Nitrosomonas oligotropha str. AS1 EF0161
EF092216.1 gg_id:268524 Persistent Axinella corrugata Nitrosomonas clone B2505_H7 EF0922
GU183580.1 gg_id:583485 Structures Reduced and Oxidized Aquifer lower Aqueous Arsenic Titas Bangladesh a GU183
AY123795.1 gg_id:69328 Nitrosomonas eutropha str. Nm57 AY123
AY123807.1 gg_id:70906 Nitrosospira multiformis str. Nl13; C-71; ATCC 25196 AY123
AY856377.1 gg_id:110754 Nitrosospira sp. str. TCH711 AY856
AY856375.1 gg_id:109672 Nitrosospira sp. str. HBN8222A AY856
AF353156.1 gg_id:20624 Nitrosospira sp. TCH716 AF353
AY123804.1 gg_id:72266 Nitrosospira sp. str. Nsp17 AY123
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X84662.1 gg_id:6504 Nitrosospira sp. X84662
AY123803.1 gg_id:69463 Nitrosovibrio tenuis str. Nv1 AY123
M96405.1 gg_id:6602 Nitrosovibrio tenuis str. Nv12 M9640
AY123800.1 gg_id:70700 Nitrosospira briensis str. Nsp10 AY123
AY631269.1 gg_id:102482 Nitrosovibrio sp. FJI82 AY631
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AF414581.1 gg_id:33825 uranium mine sediment clone P3OB-51 AF414
AF080256.1 gg_id:6535 Nitrosospira sp. str. TYM9 AF080
AJ630749.1 gg_id:105991 marine surface water clone BET_1D11G67 AJ6307
EU734961.1 gg_id:311415 assemblages sediment station DBSE Northern Bering Sea clone 054D10 EU734
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L35505.1 gg_id:6517 Nitrosospira briensis str. C-128 L35505

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494.3	4385.0	3667.7	2422.7	2828.5	3692.2	2885.1	3553.8	2703.1	2510.5	2409.2
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8712.7	9682.5	9570.7	11869.4	9173.4	9059.0	9249.0	10058.8	8135.2	12782.5	9369.7
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17704.0	9153.0	8115.8	10034.1	8983.2	6468.2	8271.2	7723.6	11048.9	5844.1	12614.3
3722.8	7763.5	8121.8	9109.3	8566.9	8061.0	8931.8	7713.0	6694.8	7709.0	9251.8
1505.0	6755.1	7044.4	8783.3	5988.1	6777.5	5742.7	8295.8	6395.3	8972.3	6085.4
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23853.9	6276.7	6371.8	7142.2	6068.4	5799.2	6302.7	4563.7	5765.6	5185.7	7764.0
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407.5	1266.2	1254.5	1143.0	471.3	1268.7	1194.4	1252.8	1477.0	778.3	2026.6
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3273.9	6455.2	5880.0	6892.3	5734.4	5290.8	6060.5	5523.5	5058.4	2477.7	5737.9
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875.7	3384.6	3222.4	4091.8	2254.1	2867.1	2081.3	3094.1	1639.5	780.6	2911.2
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3464.0	3853.5	4818.4	5981.8	3751.3	4060.2	4303.9	3832.9	3970.2	2952.6	4298.0
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6357.9	7130.5	6222.5
5355.2	6871.9	5324.6
3421.5	4639.9	4157.6
3095.2	4837.4	2922.5
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681.9	681.1	1244.6
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6393.3	5058.9	5822.9
4703.7	4843.5	5857.2
5115.6	5900.0	7312.1
3470.1	5231.9	4581.3
4945.0	3950.5	3741.2
7927.0	6758.4	7624.2
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EU287131.1 gg_id:245816 Pacific arctic surface sediment clone P13-38 EU2871
X90820.1 gg_id:6538 Nitrosospira sp str. AHB1 X90820
AJ005545.1 gg_id:6518 Nitrosospira sp. F3 AJ0055
AY631270.1 gg_id:106086 Nitrosovibrio sp. FJI423 AY6312
AF363290.1 gg_id:43839 Nitrosovibrio sp. str. RY3C AF3632
M96396.1 gg_id:6503 Nitrosospira briensis M9639
GQ396891.1 gg_id:592669 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
EU676432.1 gg_id:288399 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals· EU6764
AF177427.1 gg_id:37585 Acanthamoeba sp. UWC12 symbiont AF1774
AF177425.1 gg_id:43515 Acanthamoeba sp. Page 23 symbiont AF1774
AF352385.1 gg_id:29264 Acanthamoeba sp. TUMSJ-226 symbiont AF3523
DQ280369.1 gg_id:144094 Microvirgula sp. str. HW7 DQ280
EU708500.1 gg_id:296975 and Situ Quantification Arsenite Oxidizing Denitrifying Enrichment anoxic arsenite ox EU7085
AF331975.1 gg_id:66610 Azoarcus sp. str. HxN1 AF3319
Y13222.1 gg_id:6771 Azoarcus sp. str. 22Lin Y13222
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AF123075.1 gg_id:6778 Azoarcus tolulyticus str. BL11 AF1230
AF123076.1 gg_id:6779 Azoarcus toluclasticus str. MF7 AF1230
L33687.1 gg_id:6804 Azoarcus tolulyticus str. Td-1 L33687
L33693.1 gg_id:6782 Azoarcus tolulyticus str. Td-3 L33693
L33692.1 gg_id:6784 Azoarcus tolulyticus str. Td-21 L33692
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L33688.1 gg_id:6766 Azoarcus tolulyticus str. Td-15 L33688
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L33689.1 gg_id:6781 Azoarcus tolulyticus str. Td-17 L33689
DQ264565.1 gg_id:142083 universal microarray broader than typical library when sampling subsurface groundv DQ264
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EU528179.1 gg_id:286700 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU5281
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GU056304.1 gg_id:557513 Anoxic Oxidation Arsenite Arsenate linked Chlorate Reduction returned actived slud GU056
AF011347.1 gg_id:6714 Azospira oryzae str. 6a3 AF0113
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AY171616.1 gg_id:77627 Dechlorosoma sp. str. AH AY1716
DQ863512.1 gg_id:165690 Azospira oryzae str. N1 DQ863
AF170348.1 gg_id:6722 Azospira oryzae str. PS AF1703
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AF011349.1 gg_id:6675 Azovibrio sp. str. BS20-3 AF0113

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s__Dechloromonas aromatica	16034
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NC_007298.1 gg_id:203562 Dechloromonas aromatica str. RCB NC_00
FJ535057.1 gg_id:591896 Enhancement protein conversion volatile fatty acids accumulation during addition: ef FJ5350
DQ640664.1 gg_id:233934 full-scale EBPR sludge clone Skagenf42 DQ640
GQ340232.1 gg_id:551430 Prokaryotic Marathonas Reservoir Greece water column clone VE07-68-BAC GQ340
AM084133.1 gg_id:140097 Dechloromonas sp. str. R-28400 AM084
AB240507.1 gg_id:142587 microbial structure rhizosphere biofilm Sapporo root-base (80 160 mm) Phragmites S AB240
FJ719082.1 gg_id:531877 Protozoan grazers alter metabolically active aquifer aquifier sediments clone p04_E0 FJ7190
EF515635.1 gg_id:224951 Electricigen Enrichment MFC full-scale anaerobic bioreactor sludge treating brewery EF5156
DQ376553.1 gg_id:153255 Microbial ecology removing phosphate wastewater EBPR process aerobic sequencin DQ376
CU466914.1 gg_id:319502 Evry wastewater treatment plant anoxic basin clone CU466
CU920167.1 gg_id:572334 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU920
CU466920.1 gg_id:304463 Evry wastewater treatment plant anoxic basin clone CU466
AB240296.1 gg_id:144181 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clone AB240
CU466858.1 gg_id:344521 Evry wastewater treatment plant anoxic basin clone CU466
FJ444762.1 gg_id:542590 Cotton Rhizosphere cotton rhizosphere clone 4y-107 FJ4447
CU926684.1 gg_id:554053 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU926
Y17060.1 gg_id:6706 Ferribacterium limneticum str. cda-1 Y17060
DQ296471.1 gg_id:161279 Microbial dissection quinoline-degradation lab-scale anaerobic biofilm reactor quino DQ296
CU466895.1 gg_id:319055 Evry wastewater treatment plant anoxic basin clone CU466
DQ923115.1 gg_id:163080 Methyloversatilis universalis str. 500 DQ923
FJ167509.1 gg_id:333442 microbiology granular sludge under autotrophic mixotrophic and heterotrophic denit FJ1675
FJ902588.1 gg_id:568555 phreatic limestone sinkholes northeastern Mexico biofilm 1m deep hydrothermal ver FJ9025
FM207922.1 gg_id:305052 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
DQ088734.1 gg_id:137170 subsurface clone BE16FW031601GDW_hole1-11 DQ088
AB234251.1 gg_id:150027 Biotransformation Polychlorinated Dioxins Microbial Dynamics Sediment Microcosm AB234
DQ676301.1 gg_id:224877 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
FM207901.1 gg_id:328865 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
DQ327692.1 gg_id:166580 Biological filtration limits carbon availability affects downstream biofilm formation a DQ327
AY945886.1 gg_id:146463 Thauera and Azoarcus functionally important genera denitrifying quinoline-removal AY9458
FJ484883.1 gg_id:511775 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4848
DQ088748.1 gg_id:129402 subsurface clone BE325FW032701CTS_hole1-85 DQ088
FM207903.1 gg_id:327175 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
FM207916.1 gg_id:351540 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
EF363051.1 gg_id:268998 Microbial life within saline fluid Continental Deep Drilling German continental deep g EF3630
AB252920.1 gg_id:171974 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 010 AB2529
AY879297.1 gg_id:111577 Denitratisoma oestradiolicum str. AcBE2-1 AY8792
FM207918.1 gg_id:344874 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
FJ485121.1 gg_id:533665 microbial autonomous rover world's deepest phreatic sinkhole water column El Zacat FJ4851
DQ676390.1 gg_id:222171 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
GQ340363.1 gg_id:538380 Prokaryotic Marathonas Reservoir Greece water column clone VE08-161-BAC GQ340
EF205275.1 gg_id:200507 Arctic gold mine fracture water clone Lupin-1130m-1-MDA-ubp1 EF2052

16587.2	14390.2	15219.1	15460.7	15448.7	14965.9	15937.2	13902.1	14683.0	10133.6	21765.8
2409.6	10436.7	12360.1	9944.2	10500.9	14065.9	10079.4	10251.5	6831.2	4925.0	15898.8
7004.0	5870.5	7260.8	7908.2	5732.2	6435.2	7334.5	7041.6	4634.9	5046.8	9121.5
6152.4	6845.3	8820.4	8260.1	7647.9	6732.5	6047.0	9588.5	5322.0	3765.1	14782.6
2292.5	7782.4	9705.6	7672.9	12115.6	10908.2	8701.5	8457.3	3459.7	1570.1	10545.2
1070.6	9402.8	10861.0	9577.5	10464.7	10084.7	8926.4	10157.6	5600.3	3622.0	12588.8
5977.2	10577.0	11922.4	12207.8	11869.4	10570.7	11596.3	10568.3	7392.8	7356.3	13439.2
1676.7	6567.4	5395.7	6860.8	5379.0	7392.0	7513.2	5584.3	3398.5	4082.2	6572.4
3030.6	11560.5	13511.0	12818.6	12185.8	12925.7	10288.6	10531.1	7634.2	8316.0	15166.8
4295.4	10170.4	11717.3	11088.6	10717.8	9491.8	12083.3	9493.2	8600.5	10468.3	12097.7
13583.2	15358.2	16975.4	15502.9	15905.5	16364.7	14922.9	13666.2	14025.7	10752.5	21000.9
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4149.3	12186.1	14209.8	11166.2	12840.3	13614.7	11871.2	12001.4	9713.5	5031.5	18978.3
4667.1	6870.7	7585.8	7479.5	8641.8	11205.7	6831.9	7707.9	5987.7	4470.3	8946.2
18474.3	11705.6	13120.6	13590.0	14426.0	12120.3	13337.5	12120.6	11206.4	5209.9	18072.7
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10753.3	11662.9	12904.5	14460.1	14099.6	12937.0	11808.3	12355.4	9245.3	6548.7	15339.7
6335.9	4370.3	5578.1	2544.3	4064.2	3507.5	5398.7	4761.1	3081.9	2250.5	4847.8
3274.0	4670.6	5310.8	5841.1	6592.1	5763.2	5525.6	5064.6	3780.1	3878.7	5339.5
4257.6	8665.7	9620.6	9810.2	11599.8	9251.4	10701.3	8446.1	7320.7	4358.6	9258.2
26647.6	9958.1	9600.8	11246.7	10179.1	9594.1	12012.9	9721.2	10234.0	8722.4	12438.2
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10864.9	8227.2	9550.9	10782.9	8286.8	9447.2	9546.9	8266.5	8364.5	3212.9	10330.9
1674.8	5351.9	5897.5	6256.7	5208.7	5285.3	7402.2	5651.1	3836.7	3156.4	5222.9
1101.5	6131.7	9410.2	6203.9	5687.4	4578.2	5120.5	5737.9	2807.6	2479.3	5513.4
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9992.4	9375.3	10045.0	10076.5	9115.1	10593.6	10855.6	9818.8	8780.8	8904.1	12079.7
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10828.6	13447.0	13694.5	15321.3	14042.5	12436.8	17362.5	11921.5	12032.6	7934.2	15024.8
1719.7	9543.6	10204.8	10123.9	9349.9	9239.8	10764.0	8976.5	6088.3	3807.6	8807.6
33947.4	7303.0	6623.0	7188.8	10005.5	7860.1	7841.4	8086.3	11585.4	8449.0	10691.7
1174.4	3927.1	5451.6	4665.1	5061.7	5292.5	6026.9	4323.6	1858.3	1066.6	3064.3
2043.1	8141.2	9277.7	10330.9	9543.7	7855.0	11355.4	7883.3	6027.1	4752.3	8532.2
1294.8	8329.9	9712.4	10379.8	11678.6	10279.8	12247.5	10721.6	5509.2	4569.8	12008.6
7201.9	6736.9	5358.6	6709.4	7208.4	6173.5	8052.5	6202.7	6852.9	4660.8	7672.5
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12716.4	13344.8	10987.3
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8110.6	6723.8	6155.3
7921.5	7550.6	7515.1
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s__Rhodocyclus tenuis	16625

AY235684.1 gg_id:106107 Nitrogen-fixation strains wild rice AY2356
AJ306683.1 gg_id:27286 Sterolibacterium denitrificans str. Chol-1S AJ3066
FJ391504.1 gg_id:369022 primers targeting Gallionella- neutrophilic oxidizers enrichments and soils iron rich irr FJ3915
DQ836749.1 gg_id:163176 attached biomass denitrifying bioreactor clone DB-5 DQ836
AM934804.1 gg_id:556892 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM934
FM207927.1 gg_id:325823 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
FM207953.1 gg_id:304406 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
DQ532120.1 gg_id:161420 Ultramicrobacter hongkongensis str. 5a1 DQ532
DQ676425.1 gg_id:226206 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
AM268369.1 gg_id:191997 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
AB186837.1 gg_id:107618 polychlorinated dioxin dechlorinating microcosm clone TSBW06 AB1868
AY532566.1 gg_id:101212 uranium-contaminated aquifer clone 1013-28-CG13 AY5325
AF234757.1 gg_id:51803 sludge clone S40 AF2347
AF204243.1 gg_id:31185 P+ sludge clone GC24 AF2042
AY762627.1 gg_id:108150 gold mine clone DSBACT86 AY7626
AB378589.1 gg_id:271761 dominate denitrification nitrate- succinate-ammended stable istope probing 13C fra AB3785
EF590007.2 gg_id:228477 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF5900
AF072922.1 gg_id:6533 nitrifying/denitrifying industrial activated sludge clone S28 S28 AF0729
AY328574.1 gg_id:89345 drinking water system simulator clone HOClCi25 AY3285
GU454941.1 gg_id:530591 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU454
EF492892.1 gg_id:236435 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4928
EU037206.1 gg_id:239439 Hot Spring Microbial Mat Khir Ganga India hot spring microbial mat clone MO91 EU0372
DQ984607.1 gg_id:235493 LY oil-contaminated soil clone LYC108 DQ984
FM204950.1 gg_id:547160 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
EU835438.1 gg_id:352426 structure and quorum sensing reverse osmosis RO membrane biofilm clone 2B09 EU8354
DQ464135.1 gg_id:157026 acid mine drainage clone D3-25 DQ464
FM207915.1 gg_id:349221 Anaerobic p-xylene mineralization activated sludge and fresh water sediment denitr FM207
AB179684.1 gg_id:106337 groundwater 0.2 m-captured fraction clone KNA6-EB04 AB1796
DQ988263.1 gg_id:190625 Microbial lab-scale A1-A2-O fixed biofilm system coking wastewater treatment with DQ988
AB252918.1 gg_id:167769 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 195 AB2529
EF565160.1 gg_id:246262 'Candidatus accumulibacter' structure enhanced biological phosphorus removal sludg EF5651
FJ356026.1 gg_id:366769 Targeted FACS enrichment groups lab scale systems anaerobic:aerobic lab-scale EBPR FJ3560
GU250852.1 gg_id:578062 Anaerobic biodegradation branched hydrocarbon biomarker analog pristane waste GU250
D16210.1 gg_id:6712 Rhodocyclus tenuis str. SW18 D16210
D16209.1 gg_id:6713 Rhodocyclus tenuis str. DSM110 D16209
AY297807.1 gg_id:88575 waterlogged archaeological wood clone pACH91 AY2978
AF227840.1 gg_id:26639 str. 51885 AF2278
DQ640677.1 gg_id:230074 full-scale EBPR sludge clone Skagenf18 DQ640
AY706424.1 gg_id:100543 TCE-contaminated groundwater clone G1a AY7064
Y17601.1 gg_id:6721 Propionivibrio dicarboxylicus str. DSM 5885 Y17601
AB062831.1 gg_id:54073 termite gut homogenate clone BCf6-08 AB0628

2950.2	7974.7	10863.6	8219.7	6647.2	7322.0	8468.4	6709.1	4934.3	3116.4	7421.7
70.9	1122.9	1986.4	2311.0	3551.9	1842.8	3895.5	1790.3	318.3	151.7	767.2
3035.5	5993.8	8737.9	10161.5	6091.4	7763.3	8884.6	7611.6	4091.3	1110.6	6466.5
2875.5	9204.5	9296.5	10263.5	9111.5	9120.9	11893.9	8213.4	12566.8	10147.9	10892.0
875.3	5537.8	7243.9	7379.1	6963.7	6809.5	8453.9	5793.8	4355.2	1866.1	7889.5
12252.6	11838.2	11814.0	13724.3	11786.2	11071.3	15211.0	10687.8	11048.6	7835.7	13496.6
1284.4	8565.2	9249.3	10406.4	9574.1	8444.7	12869.8	8453.5	7981.3	5353.8	8488.3
11051.4	10177.4	10810.2	10368.4	9574.1	9416.2	11719.0	9653.3	6987.0	4553.1	9566.6
638.2	5572.2	5039.8	3991.3	10250.7	5921.4	16347.9	6122.6	2155.5	2141.9	3792.9
1429.8	6331.3	7493.5	6345.1	5831.8	5751.7	9796.7	6576.2	2909.5	2407.0	5853.8
1726.4	8839.2	11076.8	11406.0	10233.4	9655.9	11939.1	9373.6	10394.6	6599.9	12114.6
15490.2	13722.0	13723.7	15158.5	14144.4	13862.6	16680.3	13346.3	13241.9	9760.9	20789.8
11022.6	5624.7	6213.7	6319.7	5571.9	4852.2	8602.0	4989.0	5697.0	4167.1	7428.9
43.2	388.3	516.9	1231.8	569.9	633.2	2095.9	2033.3	234.4	84.6	683.0
3805.0	7372.4	7016.0	6880.7	7050.0	6253.3	8056.4	5787.5	5673.2	5499.3	7111.0
2464.0	8217.8	9035.1	7118.7	6536.9	7027.7	7643.2	6914.6	4845.8	3290.8	8723.7
12537.0	9916.8	9846.6	11391.8	9225.2	9688.6	12815.3	9393.5	10674.0	7621.7	13273.7
2557.9	6094.9	7119.0	7973.7	7224.6	6379.9	10162.5	6438.8	5415.0	2907.3	7892.3
163.2	2495.6	4068.8	2051.9	2619.7	2997.3	2700.3	3223.4	1081.2	331.5	2887.1
2164.8	4963.2	6597.0	5665.7	5065.6	4358.3	7107.0	5520.5	3323.4	1859.1	6810.6
892.2	6733.7	7795.2	8167.2	7306.3	8327.7	8695.0	6617.2	3562.6	2138.5	4801.4
2140.3	5129.5	5901.0	5160.4	4947.1	4929.3	5918.1	3904.2	3534.8	3661.8	4751.2
10089.5	11591.1	12863.1	13963.4	13143.8	12497.3	16036.6	11582.5	11434.6	10388.6	15133.1
23921.4	10396.6	10036.4	11101.1	10832.4	11750.8	12670.5	10485.8	10560.2	9805.6	15858.5
5252.9	3624.9	3780.3	3494.1	4619.5	3665.5	5725.5	3518.8	3092.1	2725.7	3749.5
65.7	1495.8	1597.7	609.2	6668.5	2266.2	8691.0	1908.9	199.0	67.1	894.2
4322.5	9993.3	10238.2	11879.2	10406.3	10032.3	12547.1	9389.3	11405.4	9327.5	10947.9
10705.6	5992.0	5587.2	5571.3	6163.4	5910.3	8298.5	5364.9	4065.2	1736.7	5202.7
1834.3	5261.7	6329.8	5939.7	5921.0	7276.6	5590.3	5335.1	5202.4	2888.9	6073.2
16675.6	17978.6	16895.1	18195.0	17833.4	16952.0	20158.1	15211.9	20342.0	12147.2	20860.8
7447.2	10284.9	10011.0	9699.4	9326.8	10110.0	9657.9	9595.0	8708.7	5340.3	13867.0
4860.5	9676.3	9346.8	10719.9	9987.2	8811.0	10738.8	9004.2	8710.5	5100.8	13749.1
4041.8	8739.7	8192.7	7508.2	10233.0	7841.9	10991.4	9011.8	6725.8	3633.8	8369.6
1452.0	4953.1	6583.2	6398.2	6738.0	5531.7	6671.9	5794.1	3812.0	2842.1	7742.8
8955.6	8892.6	8770.2	10142.3	9510.9	8776.2	9240.6	9453.0	9543.4	5004.8	14090.3
7591.9	12458.7	12695.3	13447.4	13023.0	12517.1	14584.4	11507.2	11154.2	5966.3	15055.0
1024.7	7582.7	7433.1	4321.7	3669.7	5582.6	3930.7	5959.9	4262.3	1193.5	4193.6
42860.8	12331.8	10595.5	12853.3	11870.0	11551.0	12985.4	11010.0	17453.2	12862.5	18636.8
12740.5	6513.8	6904.8	7742.7	8026.7	6629.9	9732.5	6161.8	7672.3	5574.4	10381.9
569.9	7841.1	6663.1	7520.9	8109.7	6809.7	9631.6	8295.3	3493.7	2335.5	8232.6
1065.0	3288.3	3417.0	2949.8	3121.5	3329.0	4649.5	3174.4	2831.9	1815.0	4291.5

6751.2	6713.1	5551.2
2162.2	2994.5	2750.4
6101.7	6214.0	5928.5
8331.2	10847.1	7628.7
6010.5	6745.9	4059.1
10548.7	9685.8	8789.2
7632.5	7359.1	6540.9
9550.2	7574.4	8142.5
11545.7	4131.4	2923.7
5518.5	4015.6	3354.7
8380.7	9401.4	8944.7
12236.9	11672.4	11742.3
4504.5	5615.8	3915.6
796.8	334.1	619.6
5736.0	6095.4	5549.3
6282.6	6071.2	5934.4
8644.1	10035.2	7677.7
5641.7	7041.6	3904.9
2072.5	1778.1	1412.1
5578.8	5415.3	5186.6
6184.9	5967.4	6197.2
3988.5	4754.0	3490.4
11400.8	11387.1	10903.1
9146.0	10424.5	9436.2
3200.8	3737.9	3424.9
1703.4	1570.0	1726.6
9055.2	10075.3	8617.6
4681.9	4154.8	6190.3
4999.0	5545.0	4537.1
15132.4	14199.6	13311.8
8767.5	9404.1	7532.5
8915.3	9338.2	7521.2
12361.8	7514.6	5801.0
6086.1	5203.4	3595.5
9846.3	8316.9	6055.0
12010.1	10542.3	10318.4
6423.7	3612.4	2508.8
10924.2	12593.8	10553.4
7666.2	7783.9	6659.3
11526.3	5953.3	5692.6
3177.7	3848.8	2052.5

k__Bacteria	k__Bacteria	p__Proteobacteria	c__Betaproteobacteria
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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Betaproteobacteria
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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Betaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Betaproteobacteria

o__Rhodocyclales	f__Rhodocyclaceae
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g__Rhodocyclus
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s__Rhodocyclus tenuis	16698
s__Rhodocyclus tenuis	16716
s__Rhodocyclus tenuis	16840
s__Rhodocyclus tenuis	16990
s__Rhodocyclus tenuis	17068
s__Rhodocyclus tenuis	17089
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s__Thauera chlorobenzoica	16632
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s__Thauera chlorobenzoica	17326
s__Thauera sp. MZ1T	16202
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s__unclassified	15991
s__unclassified	16087
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AF502231.1 gg_id:59337 EBPR sludge clone HP1A26 AF5022
AB240294.1 gg_id:143468 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB2402
AB089103.1 gg_id:78240 termite gut homogenate clone Rs-K54 AB0891
NR_024855.1 gg_id:545495 Propionivibrio pelophilus str. asp 66; DSM 12018 NR_024
AY064179.1 gg_id:65492 EBPR sludge clone UCTN173 AY0641
AF255631.1 gg_id:36331 EBPR sludge clone Ebpr16 AF2556
DQ087192.1 gg_id:134476 clone HE018 DQ087
AY691423.1 gg_id:105089 Rhodocyclus sp. str. HOD 5 AY6914
AF229868.1 gg_id:18623 Thauera aromatica str. 4FB2 AF2298
AF229867.1 gg_id:42293 Thauera aromatica str. 4FB1 AF2298
AF229882.1 gg_id:69798 Thauera aromatica str. 3CB3 AF2298
AF123264.1 gg_id:6759 Thauera chlorobenzoica str. 3CB-1 AF1232
AF229887.1 gg_id:36677 Thauera aromatica str. 3BB1 AF2298
AJ315678.1 gg_id:25264 Thauera phenylacetica str. B4P AJ3156
AJ315677.1 gg_id:40990 Thauera aminoaromatica str. S2 AJ3156
U95176.1 gg_id:6763 Thauera aromatica str. T1 U95176
AY548757.1 gg_id:111927 Thauera sp. str. Cin34 AY5487
EU434525.1 gg_id:273528 Thauera phenylacetica str. b208 EU4345
AY098637.2 gg_id:71611 industrial-phenol-degrading community clone MM1 sp. AY0986
DQ018816.1 gg_id:131190 anaerobic swine lagoon clone C-147 DQ018
AJ505850.1 gg_id:58572 Thauera sp. str. PIV-1 AJ5058
EU434574.1 gg_id:265716 Thauera aromatica str. b66 EU4345
FJ900965.1 gg_id:513787 Polymorphism microbial reservoirs water cut stage oil field clone G-3 FJ9009
AM982629.2 gg_id:279478 microbial and slurry pig saw dust spent bedding clone PISD-AJG10 AM982
AB210048.1 gg_id:122645 mini plant Run 5 Nippon Steel Research Engineering Center clone nsmpV06 AB2100
CU466853.1 gg_id:346949 Evry wastewater treatment plant anoxic basin clone CU4668
AJ853609.1 gg_id:111043 landfill leachate clone GZKB116 AJ8536
AY823976.1 gg_id:145956 Investigation Acetate-Fed Denitrifying Microbial Stable Isotope Probing Full-Cycle an AY8239
X68491.1 gg_id:6756 Thauera selenatis str. Ax X68491
EF205256.1 gg_id:197834 Thauera sp. 'CJAOPY3 (T-II)' str. CJAOPY3 (T-II) EF2052
FJ825447.1 gg_id:569266 Microbial during start-up mesophilic biogas plant clone 112_BE3_37 FJ8254
AY823967.1 gg_id:145778 Investigation Acetate-Fed Denitrifying Microbial Stable Isotope Probing Full-Cycle an AY8239
AY570693.1 gg_id:108565 Thauera sp. Al7 AY5706
Y17590.1 gg_id:6761 Thauera mechernichensis str. TL1 Y17590
EU434467.1 gg_id:271936 Thauera aminoaromatica str. a241 EU4344
AY945863.1 gg_id:149463 Thauera and Azoarcus functionally important genera denitrifying quinoline-removal AY9458
AY945915.1 gg_id:145574 Thauera and Azoarcus functionally important genera denitrifying quinoline-removal AY9459
Y17591.1 gg_id:6762 Thauera selenatis str. ATCC 55363T Y17591
AJ005816.1 gg_id:6747 Thauera linaloolentis str. 47Lol AJ0058
AM268367.1 gg_id:179901 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
DQ018794.1 gg_id:133087 anaerobic swine lagoon clone C-38 DQ018

287.7	1574.5	1895.8	1487.5	2294.4	1673.3	2873.7	1953.0	784.3	253.5	1304.0
6353.7	7458.5	7831.2	8488.6	7566.6	7957.6	10863.3	7461.5	5514.6	4188.4	8760.2
769.7	3754.9	3699.8	3797.7	3020.4	3915.6	3823.6	4863.8	2816.7	1356.1	3977.0
719.3	5292.4	6098.6	6090.4	5803.4	5881.2	6280.9	6550.2	3086.8	2753.3	6488.7
26531.9	12926.5	11917.1	13465.2	12818.4	11894.6	13193.3	11656.3	15019.0	10440.4	21265.4
1929.5	5243.3	5751.0	5712.0	6103.6	5624.8	6862.8	5519.6	3244.1	2929.3	6944.5
262.6	2251.4	1958.7	3014.7	2343.1	2168.7	1976.2	2231.9	1722.1	683.5	1792.4
558.6	4012.7	4828.1	6158.8	4526.0	4833.6	6859.7	4842.7	2424.6	1586.4	5587.0
19690.0	9814.7	8454.8	8768.9	7771.6	8500.4	9208.7	7714.0	11146.2	9356.2	12941.8
16392.3	8454.8	6707.1	6973.1	5893.6	6564.4	6612.3	5843.6	8457.4	4472.4	7947.6
199.9	3254.5	3522.0	3708.0	4113.5	3545.6	4034.6	2998.7	2349.7	2375.7	3783.3
3565.1	4935.0	5341.3	5091.9	6113.8	5300.7	6308.7	4487.7	4754.7	5411.9	6178.8
4220.2	7004.3	6440.9	6871.5	6225.0	6318.7	6662.2	5639.5	5848.7	6421.5	7567.3
251.7	3004.0	3090.1	2315.8	2270.0	3514.8	2449.8	3163.0	2114.2	821.6	2253.2
536.6	9411.6	7359.9	6793.0	6788.0	7252.1	6588.4	7546.4	5212.3	4445.4	9891.2
6164.4	6070.0	6474.0	5330.3	5757.9	5401.0	7795.2	5125.8	2640.4	2926.7	4666.1
6427.8	6831.8	6155.4	5648.0	6084.2	5885.4	6222.0	5383.4	5997.2	4907.2	7708.3
18838.1	7792.8	7718.8	7774.9	8956.4	8087.8	8996.4	7797.4	8490.4	7302.4	10738.3
664.1	1159.1	1533.0	1240.7	1220.2	1285.9	1757.6	1688.9	680.3	404.6	1345.5
6372.8	3753.9	3607.5	3867.3	3825.9	3706.9	3955.4	3594.3	5378.1	3694.5	5768.0
4421.3	6448.1	6784.8	6580.4	7332.5	6604.3	6670.7	7134.9	6701.1	5458.4	8501.3
12928.2	13423.8	13766.5	13901.2	14496.4	13113.0	15832.6	12418.1	12985.7	11341.9	17904.0
381.3	6265.2	4877.6	3915.2	3454.3	5522.1	3257.6	5787.0	5174.9	3518.0	6073.5
12769.2	6392.3	6220.4	7526.9	7405.1	6534.4	8655.8	6377.6	5877.9	3463.9	7980.4
35.5	343.6	848.0	1317.4	380.4	945.7	443.1	2885.0	704.3	290.8	1189.6
516.4	4116.1	3539.9	2856.5	3213.8	3297.7	2884.6	2528.4	1900.3	1968.9	3425.9
195.1	1527.1	1977.7	1191.8	1668.4	1753.6	894.7	1311.6	1049.9	910.0	2502.4
883.1	5289.4	5896.7	5484.3	6305.5	5249.7	6856.3	6413.6	3573.7	2255.7	6514.7
2959.6	3526.8	3709.4	3654.3	3680.7	3505.1	3707.4	4281.9	2261.6	3236.0	3850.6
34517.8	16548.3	13049.4	14146.3	13246.7	13164.1	13750.0	13160.5	17462.2	12582.6	20677.4
823.6	3372.8	3374.0	3836.0	4590.5	3434.1	4468.1	3380.2	2638.9	2750.9	4176.6
8079.3	7722.6	7512.7	7439.9	7013.0	7445.1	7394.2	6568.1	6263.1	5095.0	9510.4
432.0	3769.9	3350.7	3117.0	3395.1	3452.7	2670.4	2467.2	2442.4	2942.9	2393.5
2743.0	7874.5	8087.7	9019.7	7606.7	7782.4	7660.0	6837.5	7665.7	3726.5	10212.5
428.0	3898.8	3414.6	3149.6	2743.0	4095.6	2841.3	2956.9	2715.0	1744.4	2717.3
8125.4	5477.2	5250.9	5612.8	5490.9	4986.2	4599.3	5322.4	5257.0	4689.5	5788.7
6681.3	2851.2	2692.3	2159.7	2997.1	2473.6	2729.8	2463.3	2315.3	1408.5	3278.6
10903.9	7111.5	7643.6	7779.0	8483.9	7636.0	7410.6	7587.9	5134.4	6269.6	9346.5
961.2	5833.3	6151.7	5649.6	6136.5	5849.6	6687.9	5196.7	3979.9	2178.2	6586.3
469.2	2670.4	2397.7	3339.5	3138.2	2706.8	2643.7	2837.2	1934.4	2026.2	2654.7
8035.7	5002.3	5635.5	4892.3	4620.5	4747.9	5611.7	4270.5	5083.8	6348.1	7402.8

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5707.8	4034.2	4045.9
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2751.1	3176.9	3830.8
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5757.3	6110.8	4783.2
1783.4	2477.6	316.4
5475.0	5868.0	4630.4
5866.4	4622.8	4371.7
5006.6	4885.0	5110.0
7568.5	7711.0	6874.7
1017.1	1271.3	514.3
3425.6	3136.9	3115.9
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1328.2	1272.0	236.3
2232.8	2349.9	1689.2
804.3	1366.7	852.8
4254.1	4674.6	4051.8
3164.3	3672.3	2255.7
12210.3	12633.9	11068.9
3011.9	2973.8	2505.4
7096.9	7017.2	5579.0
2453.9	3013.1	2688.7
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2464.8	3020.6	1753.4
4452.0	6835.6	5534.2
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FJ901012.1 gg_id:552697 Polymorphism microbial reservoirs water cut stage oil field clone G-60 FJ9010
AY945909.1 gg_id:147554 Thauera and Azoarcus functionally important genera denitrifying quinoline-removal AY9459
GQ107403.1 gg_id:424310 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ107
EU104249.1 gg_id:335484 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1042
AM268359.1 gg_id:196002 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
GQ093262.1 gg_id:442735 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw42 GQ093
AB192185.1 gg_id:144844 termite gut homogenate clone RsTz-39 AB1921
AY265878.1 gg_id:82517 perchlorate-reducing PMC AY2658
GQ100922.1 gg_id:463566 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ100
GQ086556.1 gg_id:424472 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw29 GQ086
AY124797.1 gg_id:69212 Dechloromonas sp. str. LT-1 AY1247
DQ376566.1 gg_id:152042 Microbial ecology removing phosphate wastewater EBPR process aerobic sequencin DQ376
AB369190.1 gg_id:254556 Microbiological Assessment Circulation Mud Fluids During First Operation Drilling De AB3691
AF072921.1 gg_id:6799 nitrifying/denitrifying industrial activated sludge clone S23 S23 AF0729
AF072918.1 gg_id:6786 nitrifying/denitrifying industrial activated sludge clone S3 S3 AF0729
DQ640700.1 gg_id:231550 full-scale EBPR sludge clone Skagenf76 DQ640
FJ823914.1 gg_id:526353 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8239
GQ024542.1 gg_id:485128 Topographical and Temporal Human Skin Microbiome skin palm clone nbw123e11c1 GQ024
AY947989.1 gg_id:142103 Synchrony and seasonality two temperate rivers USA: Massachusetts Parker River cl AY9479
AF072919.1 gg_id:6787 nitrifying/denitrifying industrial activated sludge clone H25 H25 AF0729
GQ093869.1 gg_id:399333 Topographical and Temporal Human Skin Microbiome skin toe web space clone nbw GQ093
EU015084.1 gg_id:236679 Investigation estrogen-degrading bioreactors membrane bioreactor suspension and EU0150
EF648064.1 gg_id:241562 dynamics during produced water treatment aerobic activated sludge clone HB61 EF6480
EU133837.1 gg_id:240971 tallgrass prarie soil clone FFCH15186 EU1338
AY160865.1 gg_id:96448 termite intestinal tract clone COB P5-5 AY1608
AB024934.1 gg_id:21532 Sphingomonas sp. A1 AB0249
DQ836761.1 gg_id:167461 attached biomass denitrifying bioreactor clone DB-86 DQ836
FJ478739.1 gg_id:511268 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4787
DQ974114.1 gg_id:245301 Azospira restricta str. SUA2 DQ974
FJ374246.1 gg_id:362367 Inter- and intraspecific humivorous scarab beetle larvae (Pachnoda spp.) larval hindgu FJ3742
AF204246.1 gg_id:50481 EBPR sludge clone SBRH147 AF2042
GQ085455.1 gg_id:431512 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw275h11 GQ085
EU133861.1 gg_id:249511 tallgrass prarie soil clone FFCH8183 EU1338
AY007722.1 gg_id:29482 Quadricoccus australiensis str. Ben 117; NCIMB 13738; CIP 107055 AY0077
AY212577.1 gg_id:99384 water 10 m downstream manure clone 126ds10 AY2125
EU015096.1 gg_id:236222 Investigation estrogen-degrading bioreactors membrane bioreactor suspension and EU0150
AB288886.1 gg_id:201491 termite gut homogenate clone BOf2-09 AB2888
AB487233.1 gg_id:562019 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB4872
FJ167461.1 gg_id:353414 microbiology granular sludge under autotrophic mixotrophic and heterotrophic denit FJ1674
AB237674.1 gg_id:140535 microorganisms deep subsurface groundwater sedimentary rock milieu clone HDBW AB2376
AJ582195.1 gg_id:93931 soil near uranium mill tailings clone Gitt-GS-125 AJ5821

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873.5	8378.3	8259.3	8458.8	6446.3	6896.0	10334.0	8523.3	3547.2	1919.0	10227.3
1301.8	7924.8	8628.0	6677.0	6145.2	7691.5	7561.9	6587.9	4241.2	2010.1	12463.4
3931.9	9465.3	10250.9	9019.6	7118.0	10490.3	8838.6	11431.8	9959.0	3404.4	11197.0
1277.0	11412.9	8233.5	3008.8	2766.7	7455.8	2935.6	5827.3	6545.8	2767.6	3915.8
5242.1	6015.0	6788.1	4617.4	3468.3	5623.8	5141.2	4608.7	4562.3	2978.5	9497.7
117.6	557.5	1776.8	2035.7	1489.9	1109.2	1433.5	1550.2	609.5	1550.7	1398.8
3681.4	5395.5	6568.2	5019.4	4049.2	6227.6	5791.6	5668.4	2401.3	1499.2	6415.4
1474.5	7627.6	9122.0	6347.1	5701.5	7900.8	7467.9	6929.7	3938.4	1834.9	12552.1
6886.1	8708.9	9079.1	7721.6	6456.9	8476.9	7991.4	7019.8	6821.1	3802.1	13808.7
4340.9	8142.4	9458.6	9868.8	8157.2	7768.2	9580.2	8583.6	6199.8	6856.9	10131.4
12111.4	12519.8	13019.8	12942.2	13242.0	12210.5	12617.8	11549.5	10603.1	10977.0	16663.3
13635.1	6556.3	7969.3	6971.3	7108.5	7667.2	6923.4	9259.2	7447.5	6604.6	9488.0
27299.2	11479.3	10344.3	10567.4	10894.2	10467.9	11311.0	9958.5	13630.7	13247.5	14887.6
1446.4	7904.3	7642.1	6871.5	7363.9	7288.6	7592.7	6741.1	6121.7	4640.3	7284.9
11853.0	10702.9	11679.6	11847.2	12059.9	11179.5	11871.4	11437.6	9441.6	9254.2	17060.1
2771.8	9251.5	10380.8	10403.9	9674.1	9901.7	11935.0	8869.9	6555.9	4172.7	13048.9
13607.8	15584.9	16251.0	12249.3	14417.2	15821.8	13476.5	12904.9	11523.8	5279.9	22353.8
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4335.9	6400.6	5235.1	4711.9	4634.8	4542.0	4892.5	4714.9	4376.2	3818.9	5715.3
5911.7	7954.7	8772.4	6900.9	6465.9	7917.6	7552.3	6540.4	4571.6	3675.7	13392.9
13475.7	11124.7	11648.9	11740.6	13338.0	13334.7	12544.3	12539.5	8312.5	6046.3	17034.2
1686.4	6909.0	9299.3	8749.1	9885.4	10018.6	9103.5	8158.8	4534.4	2411.3	10004.2
511.9	5450.1	6730.1	5780.3	4503.9	5211.2	5106.9	7158.7	3822.6	1083.8	5584.1
1576.1	1383.5	2385.5	1827.3	1320.3	1729.0	1911.9	1696.0	638.1	764.1	2132.5
92.5	539.9	1266.5	1488.8	923.5	921.1	786.3	1983.5	522.6	231.6	839.7
3363.6	8948.2	9890.0	10261.3	8816.8	8950.4	7974.5	9391.5	8720.8	6756.3	10432.9
8575.7	10618.6	11757.7	10215.8	10107.2	11260.9	10100.9	9615.9	9159.5	6491.7	15656.3
5469.3	8810.7	8003.9	8208.1	11352.0	8796.0	12205.1	10111.6	6722.6	4487.1	10084.9
423.9	5737.3	6558.8	7167.6	6153.3	6246.1	7265.9	6279.8	5695.9	3201.4	5423.3
352.1	4426.7	5297.1	3386.8	3340.7	5155.2	2447.8	4376.2	2374.7	517.4	5565.8
16223.2	10184.4	9983.3	10300.0	10103.0	10396.3	10814.0	9410.7	10847.6	8228.9	13716.2
178.6	5416.4	4648.0	3755.2	3633.2	5010.7	4513.3	4793.9	1486.2	1282.7	4404.2
186.9	1175.0	1473.5	1438.3	1046.6	1255.1	849.6	1520.6	706.8	207.2	1767.8
2285.5	7672.9	8129.5	7650.3	8963.3	7911.1	8198.2	7171.8	5878.3	3474.9	11015.2
13917.1	12553.2	12673.1	12299.4	10867.0	11194.2	10210.1	10812.8	12456.7	8520.3	20904.7
56.1	836.2	1205.9	973.8	686.5	1877.1	732.5	903.9	265.5	168.4	685.5
5938.7	11258.4	13076.6	12587.2	11295.4	11172.9	10809.0	10602.1	7841.6	8721.3	15851.4
72.7	1444.2	1819.6	1238.9	939.6	2115.6	1079.9	1507.6	474.1	157.4	1786.7
416.7	7744.2	8315.4	8123.4	7946.8	8116.5	7182.8	7755.8	5158.2	4217.6	8552.1
183.7	205.5	362.9	384.5	535.4	347.5	405.0	356.4	160.2	66.5	145.4

6350.1	7529.3	6216.9
7144.8	5885.5	5499.3
5014.0	7890.3	4362.6
9041.8	8112.7	5439.7
4009.5	3252.7	2183.9
3764.6	8383.6	2806.9
768.4	1557.3	433.0
5613.9	5460.1	2705.8
4673.0	8347.4	4202.6
6196.4	8916.8	5208.8
10151.8	6520.3	6828.5
12035.5	10966.1	9666.9
7160.8	6616.7	5105.5
10273.5	13905.9	9746.2
6418.1	8598.3	6342.4
9532.7	9486.0	8760.2
8538.0	7483.7	7712.9
11086.0	10824.0	8962.9
3989.1	3994.4	2537.1
4067.5	5885.6	3569.1
4929.7	8675.4	4206.8
11136.7	10359.5	6601.2
7304.4	6676.5	6000.3
4598.8	4289.5	3693.4
903.2	1650.7	451.1
1025.9	1221.1	815.3
9340.5	8048.2	6442.5
8242.4	8718.4	7587.4
12416.4	6539.5	5037.9
6019.7	6623.3	7574.3
2084.2	2895.7	1533.9
9212.7	11348.7	8609.8
3201.1	3039.7	2568.4
972.0	1433.0	514.1
7492.2	7297.9	4432.9
8988.7	12105.7	10847.3
824.4	1215.9	619.7
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364.7	403.8	293.5

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AM268344.1 gg_id:186145 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
EU283471.1 gg_id:277656 Model Early Earth Harbors Deeply Divergent Divisions Anderson Lake clone A1227 EU2834
GQ979961.1 gg_id:589706 microbial biofilm soluble nitrate reducing bioreactor clone SRC_NRB032 GQ979
AB166784.1 gg_id:107623 EBPR sludge clone UTFS-OF08-18 AB1667
AB456210.1 gg_id:553408 Microorganisms involved anaerobic phenol degradation treatment synthetic coke-o AB4562
AM982545.1 gg_id:278568 microbial and slurry pig straw spent bedding clone PIST-AGC10 AM982
AB198538.1 gg_id:135858 termite gut wall fraction clone RsW02-065 AB1985
DQ088747.1 gg_id:131456 subsurface clone BE23FW031301A4RD-1 DQ088
FJ374248.1 gg_id:364266 Inter- and intraspecific humivorous scarab beetle larvae (Pachnoda spp.) larval hindg FJ3742
GQ105914.1 gg_id:447649 Topographical and Temporal Human Skin Microbiome skin gluteal crease clone nbw GQ105
DQ395985.1 gg_id:151035 deep-sea octacoral clone ctg_CGOGA28 DQ395
AJ005817.1 gg_id:6750 Thauera terpenica str. 58Eu AJ0058
AB192235.1 gg_id:141727 termite gut homogenate clone RsTu1-85 AB192
AJ863432.1 gg_id:120677 poplar tree microcosm rhizoplane flooded clone 23RPF22 AJ8634
GQ098414.1 gg_id:416580 Topographical and Temporal Human Skin Microbiome skin umbilicus clone nbw559c GQ098
AY188298.1 gg_id:80896 marine? clone KD2-110 AY1882
GQ104731.1 gg_id:415263 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ104
EF192878.1 gg_id:202891 sediments temperate artificial lake Rapel reservoir sediment clone Rap1_1B EF1928
AM268363.1 gg_id:185155 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
FJ439857.1 gg_id:513084 Investigation estrogen-degrading bioreactors membrane bioreactor biofilm clone M3 FJ4398
GQ103332.1 gg_id:463253 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw699b0 GQ103
FJ478630.1 gg_id:569356 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786
GQ979958.1 gg_id:532793 microbial biofilm soluble nitrate reducing bioreactor clone SRC_NRB029 GQ979
AB166882.1 gg_id:104301 Azonexus sp. str. Slu-05 AB1668
GU454933.1 gg_id:520944 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU454
AB192066.1 gg_id:143225 termite gut homogenate clone M1PL1-62 AB192
GQ065924.1 gg_id:397799 Topographical and Temporal Human Skin Microbiome skin occiput clone nbw94e08 GQ065
GU454955.1 gg_id:525767 Understanding short-chain fatty acids accumulation enhanced alkaline digestion: kir GU454
DQ517100.1 gg_id:160794 Cultivation-intensive study ephemeral hypereutrophic aquatic microbial Mojave Des DQ517
GU222238.1 gg_id:586616 Anaerobic biodegradation branched hydrocarbon biomarker analog pristane wastew GU222
AY770497.1 gg_id:143561 and isolation that grow on 12-dichloroethane under nitrate reducing conditions sedi AY7704
AB486739.1 gg_id:585587 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR AB4867
GQ231337.1 gg_id:560504 -stable isotope probing integrated metagenomics biphenyl dioxygenase genes polyc GQ231
AF011343.1 gg_id:6783 Azoarcus communis str. SWub3 AF0113
FJ823940.1 gg_id:529251 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8239
AY662036.1 gg_id:136814 uranium-contaminated groundwater clone 300I-F02 AY6620
FJ479338.1 gg_id:539491 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4793
GQ108087.1 gg_id:430940 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ108
EU244087.1 gg_id:360080 16SrRNA probes river Leine sediment clone sl1373 EU2440
EF019494.1 gg_id:214657 aspen rhizosphere clone Elev_16S_763 EF0194
AB049763.1 gg_id:27927 Denitromonas aromaticus str. AS-7 AB0497

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11289.6	12212.1	12210.3	11034.8	11652.2	11138.5	12016.4	10472.6	9186.1	6246.0	15819.6
4213.8	5526.9	6899.0	7026.9	7533.4	6725.4	7798.3	6397.4	4156.1	6566.1	7112.2
25719.8	8538.3	8745.0	9337.3	9395.6	8490.1	7977.6	7599.9	10972.9	7143.1	12154.1
122.8	3196.5	3790.3	3166.8	3535.9	3249.8	2360.0	3967.1	1932.2	487.7	3734.6
3768.0	5887.3	5449.6	6341.5	6500.0	4524.1	6732.6	6738.2	3016.3	3525.1	6019.9
74.2	748.6	882.7	719.0	825.5	845.4	680.5	1093.0	386.0	172.5	747.0
49.9	870.6	989.0	979.3	982.7	748.8	868.7	1151.9	572.0	554.6	1226.1
1456.4	6586.2	7248.8	8089.5	7601.1	6758.2	8477.4	6997.4	6130.6	4456.2	6272.0
2553.6	7175.9	9031.1	8246.5	6720.9	7881.1	8930.4	7970.0	5179.2	3402.7	11959.6
58.3	1078.7	1577.9	1014.5	1126.1	834.0	2090.7	1120.9	228.6	94.4	909.0
507.9	2531.6	3486.6	3097.8	4304.4	3505.8	4335.1	2787.5	2547.2	1239.4	3614.0
176.7	1095.2	2188.4	2674.5	1665.6	1789.6	2615.2	2614.4	903.9	636.0	2715.6
2747.4	11186.3	12608.8	12024.0	12854.0	13031.8	13932.2	11306.8	11370.6	7627.2	14410.6
147.9	6578.0	8114.8	6036.5	5459.9	7424.9	6781.2	6340.5	3480.7	2604.9	10299.2
26041.1	10474.9	11020.2	10465.9	9908.9	10476.5	10826.9	9126.2	13267.6	8910.9	14958.8
5488.8	7643.3	8522.5	7382.1	6276.0	7813.8	8449.0	7419.1	6570.0	4310.3	12072.0
52.2	338.6	393.6	617.5	187.1	406.2	334.8	430.0	216.5	47.4	235.4
4792.6	5651.3	7117.5	6379.0	6510.5	7493.1	6587.5	6517.1	5905.8	5182.2	5852.1
567.3	5414.6	7226.6	4678.8	4590.3	5905.8	3611.6	5241.4	2860.6	1023.7	6959.1
3103.8	12647.1	11808.0	9763.5	8098.9	10602.5	10368.2	10250.8	11083.3	7540.2	10439.3
8875.8	7817.4	7817.2	7785.4	7892.0	7117.1	5706.8	7507.1	6120.9	4842.7	11832.9
10521.3	7758.7	8204.6	9351.4	8566.5	7576.8	6770.2	8345.5	9186.8	7426.4	7661.2
1674.5	5637.2	5592.7	5233.7	4707.4	5747.9	6439.7	4763.8	3055.2	2908.6	9186.7
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106.8	3902.0	4964.3	3075.9	2396.5	3816.5	3762.1	3307.8	1837.7	893.9	5909.0
4953.8	11666.3	12087.2	12877.9	11917.6	11917.1	11776.0	11562.3	8831.0	6631.1	17658.5
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1913.2	5606.0	4589.1	5538.4	6568.6	4603.8	7505.8	4635.3	2868.1	3439.7	4159.2
253.6	6950.2	9282.4	6053.1	8286.6	6921.6	7829.2	6346.9	2968.5	2516.8	7849.0
274.5	3656.0	3222.0	3084.2	4027.9	3167.1	2256.1	4145.2	2013.0	2141.9	2867.0
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63.2	135.9	224.2	242.5	238.1	179.4	283.9	369.6	53.7	32.7	140.4

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7794.8	6755.7	6054.0
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2918.1	2903.6	1771.8
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AF047462.1 gg_id:6696 Dechloromonas agitata str. CKB AF0474
GQ389180.1 gg_id:576785 quality deterioration drinking system during serious red water outbreak clone D50 GQ389
GQ092099.1 gg_id:399670 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw406a11c GQ092
EU104068.1 gg_id:321632 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
EU639302.1 gg_id:355190 Ecological Role Firmicutes Identified Thermophilic Microbial Fuel Cells thermophilic n EU6393
AM268352.1 gg_id:186954 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
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GQ104713.1 gg_id:418639 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ104
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AB201043.1 gg_id:154231 Zoogloea oryzae str. -7 AB201
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GQ093001.1 gg_id:451554 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw407g11c GQ093
GQ103863.1 gg_id:381601 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ103
AM268341.1 gg_id:194016 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
EU834782.1 gg_id:591111 Microbiology Aerobic Phosphorus Removal Process aerobic phosphorus-removing se EU8347
AY689093.1 gg_id:103490 activated sludge clone KRZ70 AY689
GQ099610.1 gg_id:377523 Topographical and Temporal Human Skin Microbiome skin plantar heel clone nbw51 GQ099
GQ084706.1 gg_id:446882 Topographical and Temporal Human Skin Microbiome skin manubrium clone nbw26 GQ084
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GQ104481.1 gg_id:381484 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ104
FJ375501.1 gg_id:540537 T-RFLP powerful tool rapid assessment cells microbial fuel cell sheet carbon paper an FJ3755
GQ102905.1 gg_id:421705 Topographical and Temporal Human Skin Microbiome skin inguinal crease clone nbv GQ102
GQ096102.1 gg_id:437453 Topographical and Temporal Human Skin Microbiome skin back clone nbw386f04c1 GQ096
GQ083393.1 gg_id:443756 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ083
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GQ106511.1 gg_id:409008 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ106
GQ096575.1 gg_id:407705 Topographical and Temporal Human Skin Microbiome skin buttock clone nbw389h0 GQ096
GQ092008.1 gg_id:423840 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw405a04c GQ092
GQ092845.1 gg_id:380337 Topographical and Temporal Human Skin Microbiome skin interdigital web space cl GQ092
AF502233.1 gg_id:59335 EBPR sludge lab scale clone HP1A03 AF5022
GQ106704.1 gg_id:422891 Topographical and Temporal Human Skin Microbiome skin back clone nbw539e12c1 GQ106
GQ092947.1 gg_id:439576 Topographical and Temporal Human Skin Microbiome skin elbow clone nbw407b05c GQ092
GQ105471.1 gg_id:430660 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ105
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GQ095282.1 gg_id:374709 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ095
CU466885.1 gg_id:344216 Evry wastewater treatment plant anoxic basin clone CU466
D14254.1 gg_id:6731 Zoogloea ramigera str. IAM12136 D14254

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393.4	5079.6	5586.9	5169.4	6663.8	6855.5	7814.9	6770.2	2367.1	888.1	7479.1
8761.6	11996.2	13243.0	13840.5	14697.6	13418.4	14440.3	11608.9	9348.9	4744.5	13752.2
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8684.4	7275.5	7350.0	9273.1	8072.2	8312.0	8468.4	7983.6	7907.9	9763.1	8396.3
537.2	4706.5	6387.3	5589.4	5012.9	4979.1	5413.8	5328.1	2576.6	2178.0	4453.6
3940.4	6668.0	8027.6	6890.5	6689.8	6543.9	5955.8	6865.3	5711.0	6106.6	9221.6
6347.6	10776.8	10793.5	10012.0	10776.3	9009.7	10200.1	9241.5	7256.7	5930.1	11425.1
38709.8	12490.9	12259.1	13854.4	13831.2	10799.4	13235.2	11057.0	15072.1	14060.9	16554.0
13569.9	10023.7	10325.3	12345.0	9763.2	9286.4	10138.1	8955.7	12088.5	10667.4	15728.4
13519.1	7030.1	6971.7	8355.2	7031.4	5416.6	7192.0	5997.0	7166.3	6744.7	9210.2
698.1	4358.2	5208.1	4203.7	4818.6	4737.3	4449.4	5055.1	3383.5	2134.5	4646.2
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9147.2	10730.5	9169.5	10166.8	9250.8	8319.8	9430.0	8196.0	9084.1	6560.1	12172.9
654.6	5719.6	7274.3	6524.4	7520.1	5874.5	6907.9	6735.5	3316.4	3561.8	6294.6
23317.8	10849.4	11869.0	13518.0	11921.1	11126.1	11329.6	10304.3	10052.4	9008.7	18746.2
7267.4	8330.8	9050.8	10190.5	9309.6	9088.4	8952.3	9879.6	7314.4	9937.9	12070.2
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AM268353.1 gg_id:174268 Functional Redundancy Versatility Rhodocyclales Activated Sludge: Improvement ar AM268
AJ505851.1 gg_id:70483 Zoogloea resiniphila str. PIV-3A2w = DSM 14766 AJ5058
EF632935.1 gg_id:253630 Unique microbial contrasting aquatic altitude Andean Altiplano (northern Chile) fresh EF6329
EU133805.1 gg_id:249736 tallgrass prarie soil clone FFCH7204 EU1338
EF020008.1 gg_id:206405 aspen rhizosphere clone Elev_16S_1398 EF0200
EU589266.1 gg_id:266605 China Ningxia rice paddy field soil clone 1_E8 EU589
FJ748781.1 gg_id:567553 Vertical and sulfate-reducing prokaryotes estuarine Southern China Pearl River Estuai FJ7487
EU276554.1 gg_id:361100 -DGGE and Approaches Analyze Effect Agricultural Practices on Soil agricultural soil c EU2765
DQ499310.1 gg_id:159574 acidic cave snottite biofilm clone CV71 DQ499
FJ810598.1 gg_id:394416 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su FJ8105
EF032745.1 gg_id:187854 cyanobacterial mat in lava cave clone HAVOmat01 EF0327
EF018556.1 gg_id:215521 aspen rhizosphere clone Amb_16S_819 EF0185
DQ351927.1 gg_id:165444 manganese oxidation soil clone JH-GY05 DQ351
EU287309.1 gg_id:254959 Pacific arctic surface sediment clone S26-9 EU2873
EU133892.1 gg_id:243583 tallgrass prarie soil clone FFCH4041 EU1338
FJ535105.1 gg_id:534686 microbial colonizing walls Karstic Slovenia cave wall biofilm clone 3PJM119 FJ5351
AB294327.1 gg_id:204721 Microbial structure deep coal seem groundwater stream clone SWB16 AB2943
GQ302538.1 gg_id:536176 prokaryotic sediment Shawan methods cold spring clone sw-xj248 GQ302
DQ413098.1 gg_id:153104 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
DQ228413.1 gg_id:144006 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
AF280846.1 gg_id:17553 bioreactor clone mle1-7 AF2808
AB179499.1 gg_id:100324 sedimentary rock clone MIZ08 AB1794
GQ262859.1 gg_id:585913 Structure Simulated Level Waste Site simulated level waste site clone F1_34X GQ262
EU133840.1 gg_id:253509 tallgrass prarie soil clone FFCH1549 EU1338
AJ581593.1 gg_id:93464 soil near uranium mill tailings clone KCM-B-81 AJ5815
DQ906845.1 gg_id:242049 Oman subsurface soil clone 10A-2 DQ906
AM990454.1 gg_id:278532 Sterolibacterium sp. str. TKU1 AM990
AM935260.1 gg_id:543221 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
GQ261308.1 gg_id:552362 Study on Sediment sediment Dongping Lake clone 1S2-21 GQ261
GQ263997.1 gg_id:509604 Structure Simulated Level Waste Site simulated level waste site clone WC2_91 GQ263
AY555807.1 gg_id:102883 Bor Khlueng hot spring clone PK332 AY5558
EF516193.1 gg_id:219982 grassland soil clone FCPS563 EF5161
NR_024834.1 gg_id:573240 Thiobacter subterraneus str. C55; JCM 12421 NR_02
DQ413075.1 gg_id:150728 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
GQ263936.1 gg_id:593889 Structure Simulated Level Waste Site simulated level waste site clone WC2_188 GQ263
DQ906784.1 gg_id:251160 Oman subsurface soil clone 2B-6 DQ906
EF540388.1 gg_id:225930 oil-shale semi-coke solid waste clone MJK28 EF5403
EF018248.1 gg_id:214289 aspen rhizosphere clone Amb_16S_603 EF0182
GQ302536.1 gg_id:560421 prokaryotic sediment Shawan methods cold spring clone sw-xj169 GQ302
EF019282.1 gg_id:206997 aspen rhizosphere clone Elev_16S_468 EF0192
FJ478674.1 gg_id:510039 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786

17266.9	9302.0	9062.1	9947.3	9421.8	8488.4	9210.5	8791.7	9534.7	9464.5	13785.5
5283.6	9787.0	11142.5	8713.2	11284.7	10124.7	9870.6	10041.1	9680.2	5195.6	13954.8
1785.1	6474.3	6507.0	7446.1	8893.9	6568.5	8487.9	6184.6	5387.7	3314.7	5717.8
4649.8	1346.9	1450.3	1295.6	1686.4	1293.9	1412.8	1193.5	1158.4	549.9	1430.8
94.5	1448.9	2718.0	3539.2	3803.5	4297.1	3987.3	4024.8	468.0	356.0	2027.6
5250.2	5524.9	4561.1	5477.2	5057.5	4674.2	5258.4	4330.2	5337.5	5470.2	5526.6
1498.3	4043.0	4773.8	5074.1	5359.2	4070.1	5562.6	4244.6	2050.0	1669.8	3213.0
626.3	5410.4	5967.9	6116.8	6491.6	6040.8	6805.5	6554.5	3675.6	4536.9	4940.9
1194.5	3865.0	3692.8	3750.5	5163.4	3534.4	4967.4	4431.7	2151.9	1581.1	4561.1
1094.3	4630.5	4999.0	5639.6	4939.5	4749.2	6079.2	5665.1	2657.3	4645.2	5295.3
135.3	1047.2	1102.7	757.5	2255.5	927.2	1844.2	765.3	568.3	164.2	555.1
52.4	334.6	454.2	460.4	2034.4	482.0	2214.6	291.5	87.4	41.8	162.1
9243.3	10958.7	10198.7	10021.2	11381.7	10266.4	12755.2	9453.7	11433.8	8179.0	12865.8
2337.1	6176.3	5057.9	2439.5	3777.1	4747.2	3930.1	4055.0	3936.6	3975.2	3425.7
6253.0	8724.5	8227.4	9233.6	11295.2	8609.5	11825.9	7775.9	7794.3	6015.7	8857.5
11786.5	8365.4	8750.3	9411.6	8424.0	8608.5	8999.8	8118.8	8562.8	9232.9	10745.4
10454.5	6703.2	8220.3	9906.3	8811.2	5621.0	8912.3	8933.2	1851.6	5607.3	9920.7
6644.8	10366.6	9143.5	7575.3	9117.5	8405.9	9763.9	6969.8	8270.5	5619.6	4467.7
1875.2	1911.4	1997.3	1797.4	2883.2	2070.8	2961.5	1920.3	1217.7	1194.4	1558.0
64.2	599.5	979.0	1382.9	1534.5	1367.2	1076.6	803.3	312.3	102.0	583.4
8728.5	5383.0	5162.9	4623.5	6015.9	5119.1	6184.5	5266.0	5149.8	3655.9	6824.0
790.1	6457.3	5444.9	4155.7	4337.2	5165.2	5195.7	4394.2	4464.9	2001.6	3188.1
17671.1	8140.6	7123.4	8109.6	8086.7	7673.9	8558.3	6934.0	8808.7	5295.6	11155.7
2563.1	4083.0	4286.1	5221.0	6421.5	3935.1	5262.0	4481.1	3017.4	1839.6	2935.7
22705.8	7154.6	7322.3	8399.3	8154.1	7706.6	8671.7	6902.4	9859.3	7750.5	9482.2
13320.3	8288.1	9107.4	9875.3	9196.9	7726.9	10492.5	8852.9	9155.7	12797.5	13041.6
3771.1	4511.9	5483.7	5461.3	6839.6	4819.2	6282.2	5618.3	4609.0	2466.0	5331.7
1882.7	5866.0	5315.1	7438.6	8564.1	6006.3	7825.1	5976.3	4120.9	5883.4	5030.0
23309.5	7574.7	8054.0	8224.4	8599.5	7270.8	9127.0	7737.2	10032.2	7036.0	9686.8
17221.5	4007.6	3578.4	4106.3	5292.7	3968.4	5042.8	4232.6	3282.9	3309.0	2652.5
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65.6	280.6	109.0	204.2	309.6	168.6	377.0	90.6	80.3	30.5	63.0
69.1	528.7	731.7	392.0	433.6	501.0	164.3	349.6	496.0	140.2	2881.9
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22367.3	7838.7	8095.9	8965.2	9580.2	8027.6	9794.8	8709.3	9992.2	6743.9	10480.3
1073.0	4925.8	5280.6	4819.8	4844.5	4556.9	7547.2	4461.1	2447.4	4553.3	4560.5
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9094.8	5285.2	5545.0	5351.2	5277.6	5315.9	6350.4	4734.6	5309.6	4476.0	6689.8
49.9	1476.9	2049.9	2732.5	4174.8	2053.2	3807.1	1917.5	689.6	203.9	1309.1
172.0	1370.3	1853.9	2440.7	2092.9	1524.6	2320.7	1702.4	934.0	1253.4	882.0
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3969.5	4934.3	4463.3
4276.3	4187.5	5288.1
6620.9	5583.6	5783.7
3702.5	3984.2	5037.8
4901.6	4134.7	4697.4
541.4	822.0	606.7
383.4	126.2	262.1
8922.7	9644.3	9021.2
3709.5	3777.0	4260.3
8663.7	8167.6	9525.1
9000.4	8670.0	8755.5
7588.6	6766.8	6199.8
6827.0	5357.2	6198.6
2058.3	2780.3	2742.6
970.4	1464.5	2688.0
5085.6	5805.9	5290.0
4431.4	4687.9	4025.9
6846.6	7511.4	7418.4
4492.6	4551.7	5939.9
6234.2	8365.7	7723.9
6985.0	10428.8	8355.3
5241.9	5267.1	4338.1
5488.7	5715.9	8114.0
7721.0	6908.8	7322.8
4478.1	5293.5	5232.7
584.5	371.6	665.4
391.4	312.8	450.1
180.4	545.2	161.9
4357.4	5276.6	5254.7
8422.5	10116.1	8570.5
3965.6	4736.1	4412.6
2582.6	1743.7	2943.3
4510.4	6454.4	5811.8
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2552.1	2610.9	1554.2
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EU881149.1 gg_id:352105 Karst region primary forest soil clone KPF200711-158 EU881
EU335200.1 gg_id:249281 Changes microbial metabolic and along hydrogeochemically variable profile saturate EU335
GQ263985.1 gg_id:545926 Structure Simulated Level Waste Site simulated level waste site clone WC2_75 GQ263
GQ302534.1 gg_id:540962 prokaryotic sediment Shawan methods cold spring clone sw-xj69 GQ302
DQ413095.1 gg_id:152559 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
DQ499286.1 gg_id:159638 acidic cave snottite biofilm clone CV30 DQ499
GQ263251.1 gg_id:585912 Structure Simulated Level Waste Site simulated level waste site clone F3_77X2 GQ263
DQ823210.1 gg_id:171073 Techniques Microbial Studies Oregon Caves National Monument Quad 17 on trail cl DQ823
EF019065.1 gg_id:214169 aspen rhizosphere clone Amb_16S_1641 EF019
FJ517093.1 gg_id:510574 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled water c FJ5170
EU133787.1 gg_id:257306 tallgrass prarie soil clone FFCH5275 EU133
EU449747.1 gg_id:575467 -DGGE and Approaches Analyze Effect Agricultural Practices on Soil agricultural soil c EU449
GQ262854.1 gg_id:593141 Structure Simulated Level Waste Site simulated level waste site clone F1_31X GQ262
GU208422.1 gg_id:588520 Study on Sediment Dongping Lake sediment clone Fh3-20 GU208
AY212696.1 gg_id:106348 water 10 m downstream manure clone 248ds10 AY212
DQ009366.1 gg_id:117907 bacterioplankton clone SPOTSAPR01_5m110 DQ009
EF019806.1 gg_id:205805 aspen rhizosphere clone Elev_16S_997 EF0198
AJ536880.1 gg_id:78574 uranium mining waste pile soil sample clone JG30-KF-AS41 AJ5368
EF516474.1 gg_id:220381 grassland soil clone FCPO565 EF5164
EU440652.1 gg_id:552054 Soil are Changed Agricultural Practices agricultural soil clone Plot17-F06 EU440
AY050578.1 gg_id:71612 MCB-contaminated groundwater-treating reactor clone GOUTA6 AY050
EF492893.1 gg_id:243674 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4928
EU753671.1 gg_id:341483 modern freshwater stromatolites Ruidera Pools Natural Park Spain dry stromatolite EU753
AJ519655.1 gg_id:76131 uranium mill tailings soil sample clone GuBH2-AD-29 proteobacterium AJ5196
AJ518781.1 gg_id:75238 uranium mining waste pile clone JG37-AG-7 proteobacterium AJ5187
EU133774.1 gg_id:244282 tallgrass prarie soil clone FFCH3050 EU133
DQ837228.1 gg_id:248208 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_1B_42 DQ837
EU133778.1 gg_id:246758 tallgrass prarie soil clone FFCH17581 EU133
AY922034.1 gg_id:114213 farm soil clone AKYG576 AY922
EF562187.1 gg_id:257648 Subsurface microbial deep-granitic-fracture water colorado Henderson Molybdenum EF5621
DQ499281.1 gg_id:159652 acidic cave snottite biofilm clone CV21 DQ499
FJ716013.1 gg_id:558969 Diet- gut microbiota Lumbricus rubellus fingerprinting technique and cloning intestina FJ7160
EF516456.1 gg_id:222917 grassland soil clone FCPS389 EF5164
AB179533.1 gg_id:101884 sedimentary rock clone MIZ42 AB179
DQ451461.1 gg_id:156973 forest soil clone FAC22 DQ451
GQ396825.1 gg_id:557255 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
EF019880.1 gg_id:204943 aspen rhizosphere clone Elev_16S_1242 EF0198
DQ404836.1 gg_id:154858 contaminated sediment clone 655965 DQ404
EU445220.1 gg_id:555446 Isolation Weight Forest Topsoil Metagenomic tropical forest topsoil clone R48 EU445
AY922053.1 gg_id:113596 farm soil clone AKYG676 AY922
DQ640725.1 gg_id:230327 full-scale EBPR sludge clone Skagen120 DQ640

5930.5	7457.6	6692.4	8187.7	10279.8	6526.9	9471.5	5920.3	6396.1	4457.7	7070.9
15925.1	10557.9	9900.0	10216.7	10760.2	9486.2	11302.7	8954.8	12081.7	7487.6	13515.1
6962.5	6685.8	6118.2	6375.2	8042.9	5971.4	8993.5	5434.5	6049.9	3622.8	7219.7
4977.3	5987.8	6090.1	6267.6	8350.5	6345.9	9164.1	5188.3	5243.3	2991.0	3135.4
413.4	1641.7	1621.8	1947.2	2600.1	1653.5	2727.0	1828.2	1102.4	908.0	1378.0
39.8	1189.5	1207.8	1059.6	996.8	1510.1	1143.1	1333.5	707.3	349.7	572.3
17470.0	4958.1	4344.5	5096.3	4853.0	4661.9	5757.3	4481.7	5963.9	4113.9	6836.7
7500.4	4988.1	5154.8	6652.7	5515.2	4892.7	6243.8	5609.8	5251.3	4485.5	6524.1
57.7	271.0	126.3	178.4	1160.2	180.4	1122.1	224.9	231.4	37.0	113.0
5896.7	1606.3	1875.9	1464.7	1463.1	1822.6	5686.6	1194.3	1349.9	1398.8	1169.3
800.5	2174.5	2710.6	2339.9	2663.2	2221.8	2476.4	2893.8	1637.0	1248.9	1912.9
98.2	610.1	702.5	372.1	1416.2	827.1	867.4	1016.0	174.6	154.4	466.9
13226.5	7696.1	7747.4	9244.4	7961.3	8241.0	8667.6	7328.0	9807.9	8390.8	10212.2
296.5	4249.5	5040.6	5446.6	7826.3	5329.1	8005.8	5138.4	3166.8	2790.9	4185.3
7086.8	8635.2	8862.0	9294.3	8253.1	8833.6	8543.7	8025.0	9460.8	7478.8	12253.0
68.7	62.2	90.7	51.2	55.6	65.4	80.9	49.3	33.1	32.0	49.2
7647.4	6166.0	6449.2	8225.1	7712.2	6276.2	10483.3	6315.5	4874.9	4025.9	6680.7
1207.1	10033.7	11050.7	13262.8	12224.4	11350.9	15480.8	10459.1	8685.2	6172.9	11264.0
9411.9	6998.7	7533.5	7508.8	8050.7	7462.0	8534.6	6368.2	8334.1	5947.4	11365.0
800.2	5365.5	5358.4	5172.4	5634.1	4789.6	5690.2	4642.3	3758.7	2772.2	3642.0
6834.1	8445.7	7413.4	8514.4	8574.6	8735.3	9297.3	6953.5	10322.4	4408.0	10669.5
9265.7	4100.0	4385.5	4324.8	5707.6	4146.0	4582.7	3897.1	2749.0	2787.6	4429.0
1766.3	6150.9	8083.9	8475.8	9251.6	7420.7	10012.3	7574.9	5239.6	2285.4	6413.7
906.6	5084.2	7634.3	10652.4	9531.9	7201.6	9405.8	6582.8	4326.3	2075.9	6033.0
8792.1	4960.2	4387.0	5059.0	5195.1	4974.2	4506.9	4492.3	3910.4	1945.1	4004.6
332.7	4878.2	5270.9	5611.5	4908.5	5907.1	5229.8	5290.3	5221.7	6243.8	4829.9
2078.5	3123.0	3254.0	3179.1	3780.8	3033.1	3361.5	3258.7	2201.1	1333.4	2236.2
2202.2	4591.9	4249.3	4938.2	6468.8	4091.5	5881.7	3870.4	2544.6	704.4	2464.5
1519.5	7249.3	7063.9	7622.1	7982.5	6638.8	8593.2	7006.8	5841.7	3733.8	9205.7
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4062.1	7300.5	6377.8	7281.2	7124.0	6134.2	8617.0	7116.9	7085.1	3825.8	7412.7
1618.5	6125.3	6840.8	7309.8	6785.0	6118.3	6616.6	6424.9	6082.8	3771.0	6958.6
3521.8	6418.0	7315.0	7139.9	8004.4	6386.5	8139.3	5906.9	4908.1	6702.8	5832.1
370.1	1609.7	1811.6	2575.6	2326.4	2048.2	3936.6	1701.0	533.7	178.5	739.7
57.3	281.3	208.3	304.2	452.9	340.3	317.9	129.7	52.5	32.3	102.2
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12180.0	3727.2	3501.6	4124.5	6390.3	3289.2	4762.2	3275.6	2432.6	1409.5	2364.9
582.7	4338.1	5360.2	8046.7	8985.4	6434.9	7900.4	6518.3	3438.5	4130.3	4157.0
1232.1	3042.2	3106.3	4080.5	3968.7	3322.0	4018.8	3664.8	2794.9	2330.1	3445.4
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1765.3	2340.4	2141.0
1298.9	1080.5	1587.1
4207.2	6365.9	5251.9
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222.5	297.1	317.7
900.1	1771.4	851.4
2784.5	3203.4	3450.6
662.5	797.6	1193.9
7464.2	9238.7	7481.2
5285.2	5511.7	6126.2
7481.3	9645.9	6644.6
37.5	86.0	106.9
5856.1	6204.7	6363.0
10662.0	8880.6	7745.2
6022.6	6457.9	6387.3
5133.3	5024.9	6665.2
6372.2	6942.1	8061.0
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8801.3	6245.2	7290.0
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2885.6	3654.9	4078.5
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5992.9	6133.9	8029.9
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5699.9	6087.4	5856.1
6970.4	6259.0	6353.8
1491.8	1697.0	3544.8
209.4	260.4	726.4
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2937.9	3385.9	4108.3
6199.0	6536.4	9433.0
3395.5	3779.9	3846.1
4563.8	5494.4	4951.5
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AB486689.1 gg_id:580170 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR(AB486
FJ810580.1 gg_id:375861 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su FJ8105
AY328747.1 gg_id:90051 drinking water system simulator clone DSSD49 AY3287
EF492933.1 gg_id:257753 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4929
AB294323.1 gg_id:210077 Microbial structure deep coal seem groundwater stream clone SWB12 AB2943
EF492932.1 gg_id:247931 Iron-manganese Nodule and Its Surrounding Soil soil around iron-manganese nodule EF4929
DQ337089.1 gg_id:150172 subsurface water clone EV818SWSAP66 DQ337
DQ404884.1 gg_id:155647 contaminated sediment clone 654956 DQ404
AM935609.1 gg_id:561445 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
AB294324.1 gg_id:203879 Microbial structure deep coal seem groundwater stream clone SWB13 AB2943
AY922035.1 gg_id:113557 farm soil clone AKYG578 AY922(
DQ837224.1 gg_id:242598 Archaeal and pristine National Park Spain Donana coastal aquifer clone 49S1_1B_8 DQ837
EF540408.1 gg_id:226082 oil-shale semi-coke solid waste clone 1_24MK EF5404
EU133831.1 gg_id:241569 tallgrass prarie soil clone FFCH14189 EU1338
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EF019405.1 gg_id:216696 aspen rhizosphere clone Elev_16S_641 EF0194
AY221066.1 gg_id:86386 Mammoth cave clone CCM6a AY221(
FJ810590.1 gg_id:419579 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su FJ8105
EF999347.1 gg_id:240278 Vertical and Methanotrophs Estuarine Sediments Pearl River Estuary sediments 6cm EF9993
EU133877.1 gg_id:237992 tallgrass prarie soil clone FFCH1801 EU1338
EF574185.1 gg_id:230954 site S25 near Coco's Island marine clone S25_529 EF5741
AY907807.1 gg_id:136986 identification picoplankton contrasting waters Arabian Sea water clone A714022 AY9078
EU477832.1 gg_id:267229 and validation prototype -based taxonomic microarray members genus Burkholderia EU4778
AY234747.1 gg_id:112317 soil isolate Ellin6095 AY2347
EU133863.1 gg_id:249993 tallgrass prarie soil clone FFCH8270 EU1338
EF516320.1 gg_id:223302 grassland soil clone FCPS762 EF5163
EF516424.1 gg_id:227269 grassland soil clone FCPU607 EF5164
EU881164.1 gg_id:352281 Karst region primary forest soil clone KPF200711-070 EU8811
EF516735.1 gg_id:219174 grassland soil clone FCPU655 EF5167
EF516835.1 gg_id:225073 grassland soil clone FCPS400 EF5168
EF019212.1 gg_id:209746 aspen rhizosphere clone Amb_16S_1908 EF0192
EF654711.1 gg_id:245246 suspended sludge anammox reactor clone KIST-JJY042 EF6547
FJ479088.1 gg_id:555896 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4790
DQ413068.1 gg_id:152782 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
EF020095.1 gg_id:208009 aspen rhizosphere clone Elev_16S_1505 EF0200
DQ297977.1 gg_id:142009 Microbial hydrocarbon contaminated soil clone UA5 DQ297

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12053.0	6275.9	5986.1	7869.4	7217.1	4249.2	7976.2	6756.9	5836.7	6304.1	8641.6
11788.9	5905.5	5889.5	8167.0	7170.2	5173.9	6154.9	5877.1	7267.6	5159.6	7490.8
2265.8	6260.1	6330.8	6521.5	6403.0	6610.1	6579.3	5641.8	4815.0	3535.1	7943.2
273.0	3249.9	3307.8	3155.6	2571.7	3456.7	3006.8	3474.3	2381.2	2541.1	1995.4
378.5	2093.5	2602.9	3044.6	2655.0	2373.2	2528.3	2285.3	1800.0	937.9	2337.5
3809.6	6855.9	7893.4	9077.0	7876.5	7261.4	9305.9	7247.7	5349.5	3259.5	8574.7
7059.9	4928.0	5633.5	6551.3	5169.7	5568.1	5424.5	5352.0	5037.0	2797.7	6834.5
5400.5	9608.7	10236.1	11285.3	12486.7	10088.5	14380.3	10308.5	8851.1	9338.0	10603.3
7315.0	4865.0	4601.0	4541.5	3879.5	4479.1	4401.1	4315.1	3945.2	4400.4	4775.8
16279.1	9237.6	8818.2	10274.6	9768.9	8704.1	9134.9	7757.9	10832.3	7165.5	11870.0
5039.2	3530.0	4153.4	4522.9	4849.5	3753.8	4301.3	3923.0	3426.3	4020.8	3809.6
2049.1	2664.3	2595.8	3395.4	4992.8	2739.3	4112.3	2714.2	1922.5	1629.6	1937.2
2837.1	4925.7	5288.3	7219.9	8043.1	5244.6	8583.4	5659.9	3753.9	1621.2	3201.6
466.8	1783.3	2925.5	3761.5	4209.1	2880.4	3900.4	2931.9	1692.1	971.9	2335.7
3133.9	5074.7	6687.4	7767.8	9688.7	6339.8	8504.4	6576.0	4268.5	3135.1	7158.0
773.0	2294.4	3110.1	3544.3	4016.0	2679.5	4713.2	2992.4	1827.2	1508.3	2162.2
269.9	3670.9	2949.5	2845.5	3785.5	3495.9	2880.3	3375.4	1748.4	1347.6	2539.9
146.7	833.0	943.7	1130.2	1243.3	747.0	1236.0	1138.5	462.3	180.1	610.7
14320.7	9123.5	9754.3	10223.7	10270.9	9808.3	10117.9	8192.3	8534.9	7412.6	12145.1
1859.8	2592.9	3120.5	3585.3	4332.6	2999.2	3721.5	3327.2	1833.4	2136.0	2555.3
189.6	1398.8	1146.0	1456.2	2251.0	1672.0	2078.2	2174.0	603.8	333.6	1320.1
4705.4	7834.7	6694.4	7301.7	7430.2	6994.6	7901.2	6420.3	8408.6	4332.0	5419.5
2677.4	4025.9	4727.0	4814.7	5073.2	4522.9	5367.4	4198.5	2512.3	1896.6	3645.7
6069.7	7287.0	6872.7	8700.8	9535.0	6690.7	8660.9	5625.7	5247.2	2781.1	5294.2
1418.6	4933.5	6131.0	5508.6	4689.5	5151.6	5648.2	4880.3	5127.0	5065.1	4755.8
825.6	3212.9	4941.6	5031.6	3747.0	6439.6	4704.7	8009.1	5668.7	5214.3	4934.8
4936.6	4475.4	3884.0	4035.0	5294.8	3564.7	4437.3	3413.1	4239.1	4461.0	4731.6
492.3	2639.6	2574.8	3424.7	5595.5	2384.2	3943.6	2480.0	867.3	579.4	2336.4
900.7	6740.8	6937.3	7387.4	9245.4	7387.3	10075.7	6958.2	5679.8	5457.9	5750.9
2282.5	5923.3	5386.5	6283.5	12129.7	3944.3	10582.9	4870.4	3209.3	3255.8	4927.0
70.3	538.2	640.8	613.1	1424.3	744.9	910.3	660.5	170.3	126.1	428.2
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156.2	3356.4	3471.9	3689.3	6095.8	4127.4	5059.5	2599.9	1229.9	2050.6	1665.2
68.6	248.5	474.1	389.3	390.7	334.7	303.7	342.6	197.2	136.2	340.0
23.4	1144.3	662.8	1341.4	4715.1	822.2	1465.8	840.5	86.2	229.3	273.2
131.7	3272.8	3228.0	4016.5	8124.3	2555.6	6039.3	2518.3	1164.5	809.9	1640.1
6276.8	5763.1	5393.9	6723.0	7726.8	5440.0	8517.8	6354.7	5609.8	2656.3	4357.5
5508.4	4843.5	4802.4	3804.7	6375.1	4842.6	5335.1	2839.6	5174.5	5406.3	5408.8
42.4	253.4	136.3	248.6	2315.3	244.6	377.3	94.6	25.7	37.2	70.7
51.9	82.9	39.2	109.4	207.9	99.8	117.5	105.3	21.5	63.8	42.9

5317.7	5813.1	6271.1
7234.9	6417.0	9207.3
6217.3	5616.0	4919.8
4522.8	5496.9	6043.3
2672.2	2941.9	2419.3
2276.1	2769.7	2366.9
6841.8	6753.9	8435.6
5283.6	5781.8	4969.2
10528.1	9013.0	9924.7
4581.9	4680.7	4025.9
7913.5	9550.7	10615.4
3399.8	4643.9	5130.3
2689.4	2917.9	3330.6
4799.1	4922.0	7500.4
2951.8	2823.3	5374.2
5427.9	5935.9	9439.0
2922.5	3248.8	4315.7
4967.8	2748.2	6003.9
878.1	1476.1	1080.5
7629.8	8100.6	9007.1
2964.9	3010.5	3382.0
1902.3	2240.2	2212.6
4932.3	5016.3	6414.4
5267.0	4900.1	4988.7
5499.3	6174.1	7948.3
4833.2	5298.1	4412.4
6540.5	5690.0	4082.3
3569.3	3940.1	3621.6
1739.6	2093.4	2729.1
6434.5	6103.1	6639.9
4766.2	4555.1	5618.4
447.6	543.2	542.7
6061.3	6986.4	7520.7
3576.1	3584.0	3600.9
455.1	441.2	180.2
384.7	222.5	713.2
2621.0	2247.5	2864.7
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65.1	164.4	1071.2
49.0	211.9	193.1

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EF516867.1 gg_id:226979 grassland soil clone FCPO570 EF5168
EF516029.1 gg_id:225920 grassland soil clone FCPS638 EF5160
EF019461.1 gg_id:215044 aspen rhizosphere clone Elev_16S_718 EF0194
EF018914.1 gg_id:203679 aspen rhizosphere clone Amb_16S_1415 EF0189
EU669638.1 gg_id:307844 soil clone S8-40 EU6696
EF516006.1 gg_id:226748 grassland soil clone FCPT739 EF5160
AY921954.1 gg_id:113273 farm soil clone AKYG1130 AY9219
EF632895.1 gg_id:235519 Unique microbial contrasting aquatic altitude Andean Altiplano (northern Chile) fresh EF6328
EF516769.1 gg_id:224647 grassland soil clone FCPS759 EF5167
AB294328.1 gg_id:207655 Microbial structure deep coal seem groundwater stream clone SWB17 AB2943
EF516759.1 gg_id:222745 grassland soil clone FCPT632 EF5167
AJ421933.2 gg_id:32837 Germany:Elbe River clone Elb205 AJ4219
DQ413138.1 gg_id:155225 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
EU193045.1 gg_id:359069 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU1930
AB426185.1 gg_id:273001 -situ identification study benzene-degrading s under methanogenic condition anaerc AB4261
EF516394.1 gg_id:223219 grassland soil clone FCPP685 EF5163
EU528239.1 gg_id:281246 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU5282
EF516152.1 gg_id:217704 grassland soil clone FCPS619 EF5161
EU223955.1 gg_id:236215 -RFLP microbes Qinghai-Tin rail soil clone 124 EU2239
EF516815.1 gg_id:223079 grassland soil clone FCPU398 EF5168
AY221080.1 gg_id:84108 Mammoth cave clone CCU24 AY2210
EF019895.1 gg_id:210313 aspen rhizosphere clone Elev_16S_1261 EF0198
EU133850.1 gg_id:236450 tallgrass prarie soil clone FFCH16997 EU1338
EF516351.1 gg_id:226263 grassland soil clone FCPT411 EF5163
EF019531.1 gg_id:205301 aspen rhizosphere clone Elev_16S_1034 EF0195
EU881346.1 gg_id:336201 (maize-sweet cropping field) Karst region maize-sweet potato cropland soil clone KM EU8813
AY921981.1 gg_id:113247 farm soil clone AKYG1746 AY9219
EF520945.1 gg_id:221665 Stable isotope probing 15N2 noncultivated diazotrophs 30 year fal soil Caldwell field EF5209
DQ676312.1 gg_id:220761 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
AB294330.1 gg_id:207373 Microbial structure deep coal seem groundwater stream clone SWB19 AB2943
EF020158.1 gg_id:207982 aspen rhizosphere clone Elev_16S_1590 EF0201
GQ396975.1 gg_id:553957 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
FJ466126.1 gg_id:509733 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea FJ4661
FJ479428.1 gg_id:583255 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4794
EU528189.1 gg_id:285197 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU5281
EF580984.1 gg_id:277681 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM5 EF5809
EF516904.1 gg_id:218538 grassland soil clone FCPS542 EF5169
FJ444750.1 gg_id:551308 Cotton Rhizosphere cotton rhizosphere clone 4y-67 FJ4447
EF018568.1 gg_id:211547 aspen rhizosphere clone Amb_16S_835 EF0185
AY921702.1 gg_id:114209 farm soil clone AKYG1579 AY9217

538.8	1445.4	1512.8	1752.4	4315.9	1679.3	2827.4	1523.1	400.0	787.5	751.1
59.6	2347.1	2229.8	3326.1	6677.1	2589.8	5489.4	2541.5	584.8	373.1	1151.7
201.4	1683.5	1952.9	2185.0	4368.3	1567.3	3698.8	1611.8	658.4	885.2	1807.6
337.1	492.2	443.0	624.6	1298.0	863.3	908.0	636.2	238.8	843.2	292.5
9475.5	7158.6	6816.9	7684.9	9288.8	6755.4	9170.2	6404.2	6741.9	5069.1	8009.8
45.0	56.3	86.3	112.2	293.3	159.6	101.7	240.0	55.2	22.5	67.1
304.4	2067.5	2151.3	2710.5	5246.2	2044.9	4120.2	1828.9	789.0	1670.0	1234.6
8131.0	4448.8	4930.0	6568.9	8987.9	4557.7	7011.3	5027.1	3084.4	2240.7	6153.8
346.2	5595.5	7054.2	7058.0	7508.6	5700.8	7708.5	4761.7	1576.1	3667.7	3460.7
9616.9	5089.6	5137.1	5530.7	7621.5	5073.7	5525.5	4592.0	4264.2	4184.1	5318.8
1103.4	5160.9	5441.1	6505.4	8907.8	5826.8	7614.6	5434.0	4145.4	3459.5	5664.2
309.8	1546.2	1650.2	2752.3	7141.5	1889.4	4897.1	1976.2	474.9	435.6	1003.1
4030.3	7660.1	8952.6	11164.1	13444.5	8019.3	13051.3	9165.6	7568.5	6653.6	11002.7
44.1	1561.4	1733.8	2405.5	5865.0	1757.0	4665.5	1472.2	339.8	619.9	622.0
9695.1	5756.9	5245.7	5413.5	6385.4	5292.1	5731.8	4494.5	7634.8	6458.3	8629.0
42.2	1434.8	938.1	1531.5	382.5	95.8	188.3	201.0	111.8	71.8	100.7
1897.6	3113.4	3984.3	3061.9	4173.1	3254.3	3983.1	3400.9	2140.9	1087.5	2112.7
4671.7	8603.4	8651.5	9467.1	11399.5	8200.0	14801.2	7643.3	6385.9	5087.4	8025.3
292.5	4453.2	4595.2	5604.0	7615.1	4242.1	6392.7	4395.7	3241.5	6197.8	4101.0
178.9	704.3	1391.1	2028.0	898.2	792.3	724.0	1509.6	943.1	1242.3	1358.2
60.2	653.8	675.3	1014.3	1812.2	686.5	1376.5	611.4	210.2	134.4	450.2
323.3	2938.1	2936.9	3226.2	5034.5	3083.8	3008.2	3410.8	1617.6	1899.2	2254.3
8113.9	6192.6	4893.2	4985.4	5803.6	5318.1	5451.3	3868.1	5217.9	3367.1	4688.5
17828.5	10409.8	10244.1	11030.5	13449.7	9968.0	12291.6	9784.0	10244.0	8658.3	13087.3
9384.2	3569.0	3359.0	3544.1	5047.3	3756.8	3829.4	3340.4	5141.6	3730.0	4646.5
33.5	280.9	103.9	134.3	7508.5	847.5	3510.2	106.9	54.8	17.8	101.2
2141.4	5913.7	5528.4	6461.6	9617.2	6109.5	8016.7	6006.0	4572.9	4447.6	5577.8
513.1	3137.6	3171.4	4693.5	9413.7	3110.6	5259.4	3304.9	1759.3	904.1	1696.4
1798.7	2934.5	2921.4	4370.8	6737.1	2988.3	4630.5	2348.1	1403.5	702.1	2833.9
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3174.3	4675.7	5573.5	6945.4	5312.9	5203.0	6067.8	5739.2	3740.7	3599.9	4796.6
991.1	5845.3	6184.8	7146.2	8347.1	5961.0	9852.8	6111.8	4379.9	3300.7	6674.4
3941.0	9816.4	10079.9	12219.2	14216.0	9435.0	14197.0	9079.3	8316.4	5576.9	9846.4
2029.2	8362.9	8966.7	8480.1	10660.2	8021.2	10792.5	7674.8	6681.9	6655.2	11020.3
9858.5	8233.5	8220.9	9364.0	10921.7	7697.9	10938.9	8579.1	6818.1	6972.0	11000.4
2361.4	4690.7	4717.2	5843.8	7046.0	5146.8	6530.6	5058.4	4172.0	7218.9	5843.1
30.3	314.3	201.3	589.9	3824.6	534.7	2579.5	218.6	131.3	26.9	130.4
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611.0	1192.8	909.0
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5064.9	5174.4	5359.6
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EF540371.1 gg_id:226578 oil-shale semi-coke solid waste clone 17C_MJK EF5403
EF018962.1 gg_id:215229 aspen rhizosphere clone Amb_16S_1476 EF0189
AB488102.1 gg_id:551424 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488
EU404008.1 gg_id:355651 Microbial septic tank effluent and soil biozone infiltrative surface clean water clone (EU404(
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AM935489.1 gg_id:548533 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
EF590004.2 gg_id:234053 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF590C
EF516321.1 gg_id:220011 grassland soil clone FCPN390 EF5163
AB286353.1 gg_id:204179 Reducing production and domination comamonadaceae reducing oxygen supply was AB286
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DQ310741.1 gg_id:200807 Recurring seasonal dynamics microbial stream habitats riverine sediment clone WC(DQ310
EF516268.1 gg_id:224900 grassland soil clone FCPP617 EF5162
GQ396994.1 gg_id:593511 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
EF580928.1 gg_id:278471 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1 EF5809
EU340157.1 gg_id:238343 on Aquatic Macrophytes Geothermally Active Area Sedge Bay Yellowstone Lake WY EU340
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EU104188.1 gg_id:341168 Evidence Comamonadaceae determinants settling performance activated sludge clo EU104
CU924494.1 gg_id:561226 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU924
AF371865.1 gg_id:25562 swine intestine clone p-2552-9F5 AF3718
EU459462.1 gg_id:296722 capybara feces clone CAP_aah97f02 EU459
EU459519.1 gg_id:294489 capybara feces clone CAP_aah99a09 EU459
FJ535157.1 gg_id:574522 Contamination risk vegetables Arcobacter during post-harvest processing water carr FJ5351
AF418961.1 gg_id:38016 USA: Colorado Fort collins Horsetooth Reservoir clone HTG2 AF418
EU778115.1 gg_id:356250 feces clone RL388_aao93c10 EU778
EF620467.1 gg_id:257876 Ralstonia sp. str. ISSDS-784 EF6204
EU978820.1 gg_id:536916 and metabolic potential metagenome glacier ice clone glb332c EU978
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EU443952.1 gg_id:263927 sp. str. s3-3 EU443
AF084862.1 gg_id:19894 Bdellovibrio sp. str. JS7 AF084
FJ203067.1 gg_id:324529 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata c FJ2030
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EU443963.1 gg_id:269969 sp. str. w5-3 EU443

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3085.4	1917.9	2050.2	2410.8	3213.5	1834.1	2616.5	2022.4	1718.9	1220.5	3240.4
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20351.8	12698.0	13227.9	12937.6	13154.2	13127.8	14427.7	11804.4	11371.6	8293.1	15414.9
581.3	2389.7	3708.0	4331.7	5512.3	4509.2	6730.7	3127.8	844.2	456.9	1907.2
28875.4	11229.4	10891.1	12656.8	12906.4	9398.8	12312.8	12194.6	12076.0	9867.1	15741.3
6672.9	1726.3	1569.6	1887.4	1874.6	1664.3	1886.8	1804.4	1471.1	801.6	111.7
1532.9	4081.6	5093.9	4809.1	5508.1	4647.8	5687.7	4746.4	4817.3	4082.8	5664.4
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814.0	3625.6	4893.5	4495.8	3014.6	3623.5	4374.1	4774.9	2168.5	1657.3	4641.8
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902.0	3095.1	3474.9	4162.7	3379.1	3887.3	4484.1	4471.6	3027.6	4238.2	3276.8
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616.2	2684.3	3315.1	3531.3	3150.2	3290.8	3565.2	3636.9	2585.3	2806.7	3075.7
739.4	2576.0	2495.8	2647.1	1583.1	2582.3	1993.2	3161.7	2590.9	974.6	2035.7
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5617.1	7166.6	6016.3
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4746.2	4959.9	4442.1
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EU443935.1 gg_id:258583 sp. str. b6-10b EU4439
EF092436.2 gg_id:198558 sp. NB2 EF0924
DQ631776.1 gg_id:246590 sp. NZ7 DQ631
EF188429.1 gg_id:346586 Microbial Altamira Cave clone 236 EF1884
AY947967.1 gg_id:141636 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY9479
AJ288899.1 gg_id:49685 stolpii str. DSM 12778 AJ2888
EU805174.1 gg_id:311266 It's all ranking aquatic 250 miles Panama City clone 6C233166 EU8051
EU662557.1 gg_id:580005 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems floating microb EU6625
EU237338.1 gg_id:239851 Genes transcripts Eastern and Western Equatorial North Atlantic Ocean microbial as EU2373
DQ266898.1 gg_id:141116 Cloning and microorganism genes alkaline soil clone pGXAR13 DQ266
EF687517.1 gg_id:281539 Biogeochemistry iron- and sulfur-precipitating microbial mats (Nile Mediterranean) s EF6875
AB369189.1 gg_id:239066 Microbiological Assessment Circulation Mud Fluids During First Operation Drilling De AB3691
AY294221.1 gg_id:101065 sp. str. PNEc1 AY2942
EU101250.1 gg_id:254683 Sulfide/oxygen supply ratio predicts outcome competition among sulfur-oxidizing wa EU1012
GU119471.1 gg_id:564132 Threatened Corals Provide Microbial Habitats reef water clone Reef_F14 GU119
AB176175.1 gg_id:182905 Microbial Hydrothermal System Suiyo Seamount on Izu-Ogasawara Arc vent area wa AB1761
AJ278146.1 gg_id:22594 Bdellovibrio sp. str. SD1 sewage AJ2781
EF574402.1 gg_id:229914 site S25 near Coco's Island marine clone S25_746 EF5744
GQ351210.1 gg_id:590861 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Eastern GQ351
DQ676387.1 gg_id:218005 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
DQ133926.1 gg_id:168155 Dominant microbial biofilms frasassi cave system Italy limestone-corroding stream b DQ133
AJ290009.1 gg_id:40173 Germany: Lake Fuchskuhle north basin clone FukuN9 FukuN9 AJ2900
GU369899.1 gg_id:518456 and mats vents Arc white filamentous microbial mat photic shal hydrothermal vent GU369
AJ292518.1 gg_id:38566 Bdellovibrio sp. W str. ATCC 27047 AJ2925
AF148939.1 gg_id:30112 Bdellovibrio str. BRP4 AF1489
EU050708.1 gg_id:247981 Microbial waters production water Daqing oil field clone DQ328-109 EU0507
AJ292759.1 gg_id:40800 Bdellovibrio HD100 str. HD 100 DSM 50701 AJ2927
EU050700.1 gg_id:244273 Microbial waters production water Daqing oil field clone DQ328-1 EU0507
DQ847445.1 gg_id:172283 human forearm skin clone GR2-101 DQ847
GQ113033.1 gg_id:410201 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ113
DQ413094.1 gg_id:152494 Microbial -dependent and Approaches Anaerobic/Aerobic SBR Reactor EBPR sludge DQ413
AB286607.1 gg_id:213370 Reducing production and domination comamonadaceae reducing oxygen supply was AB2866
FJ542862.1 gg_id:525171 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone A FJ5428
AM233527.1 gg_id:320761 Multiple symbionts two species co-occurring gutless oligochaete worms Mediterrar AM233
CU466777.1 gg_id:338371 Evry wastewater treatment plant anoxic basin clone CU4667
EF687743.1 gg_id:243041 Bdellovibrio sp. str. JSS EF6877
GQ039893.1 gg_id:416757 Topographical and Temporal Human Skin Microbiome skin retroauricular crease clor GQ039
AY294215.1 gg_id:105561 Bdellovibrio sp. str. MPA AY2942
EU104139.1 gg_id:353499 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1041
DQ640659.1 gg_id:232532 full-scale EBPR sludge clone Skagenf81 DQ640

169.5	894.0	1460.0	1232.4	1483.8	1379.9	2107.7	1563.8	553.1	508.4	934.3
2985.2	3311.1	4272.1	3942.0	4383.2	4084.2	4467.0	3974.9	3545.2	4762.4	4109.3
277.0	2994.6	3769.0	3332.8	3002.7	3224.0	3088.7	2708.6	6226.9	3014.4	3112.4
354.1	4100.5	5240.9	5395.4	4953.1	4476.0	6244.2	4994.2	2915.7	2392.7	3518.3
1189.1	2563.1	3087.5	3704.3	3104.6	2691.6	3680.3	2900.5	1413.5	1311.8	2056.6
45.4	1734.5	2820.1	2876.4	728.7	1740.4	1942.2	6082.4	729.5	17.0	4454.0
154.6	2063.3	2239.1	2223.1	1652.4	1685.9	1501.2	3166.6	1739.0	611.2	1839.4
682.5	5048.0	5917.5	5390.2	4159.2	4864.6	4756.7	5413.8	3368.5	4179.2	5854.8
14149.5	6061.7	6267.1	6907.9	7157.9	6081.9	6976.8	6146.7	6462.7	7088.8	8024.1
3936.3	8337.2	8542.3	9850.3	9599.0	7957.3	8587.0	8559.8	8682.0	7560.1	9623.3
2660.0	3597.3	3924.9	4001.4	2839.7	3033.6	4015.9	4204.3	2383.6	718.0	3102.2
176.9	2966.2	3046.1	3160.0	2971.4	2763.7	3754.3	3790.9	1715.8	763.2	2553.8
8867.1	4357.4	5491.1	6195.1	5399.5	4713.8	5815.3	4854.6	4378.9	4162.2	5669.0
1065.6	3976.2	4269.7	4680.3	3229.2	3597.9	4306.8	5263.6	3572.0	2003.0	3972.9
1505.0	3512.4	3226.6	3417.1	2873.3	2919.1	3153.7	4455.3	3526.5	2195.4	3367.1
5624.8	4746.5	4571.3	4702.4	4529.9	4810.4	5787.2	6129.9	5656.7	3361.4	5620.5
98.6	755.4	884.7	1082.2	1257.2	706.1	1713.5	1802.0	537.8	181.2	640.0
28.2	1598.3	2431.0	2586.0	1497.9	1411.5	2127.9	3835.9	1924.5	334.6	2133.9
74.4	1311.8	1649.1	751.7	376.1	882.9	654.8	1226.1	641.6	733.4	403.8
1260.5	3879.6	3713.2	3887.1	3463.5	3315.7	3971.4	5181.7	2483.2	3420.3	4165.5
56.1	570.9	795.2	842.0	377.6	492.3	715.3	868.9	213.1	37.0	559.9
102.6	1027.9	1453.5	1609.2	1159.1	1428.3	1700.0	1563.3	1010.2	989.0	1180.8
641.8	2024.9	2734.3	3028.4	1984.2	2334.6	3098.9	3456.8	1804.7	690.8	2050.5
6850.8	5764.0	6291.7	7003.3	6833.1	6372.5	7751.0	6445.2	4935.7	4110.8	5266.5
493.2	3747.2	4358.6	4941.2	4093.8	4047.7	4338.2	6094.1	4726.4	3575.3	3717.2
4746.9	6728.5	7145.3	8041.4	7800.1	6717.1	9126.5	7441.2	7113.0	3704.7	8012.2
618.2	5998.8	5537.2	5560.7	5919.3	5537.5	6608.2	5759.6	4930.8	2914.4	4671.7
254.0	1627.6	2289.2	2135.0	2286.8	2029.3	3486.4	3181.9	2523.7	777.9	1719.7
10081.5	7068.7	7517.8	7853.3	7880.4	7075.8	8622.6	7146.0	9081.0	6125.8	8245.4
43.6	176.7	567.2	403.0	387.5	229.8	445.2	340.4	124.7	74.8	221.8
1052.8	3760.5	5189.5	4789.8	4000.9	5027.8	3979.2	4863.1	3497.2	5873.1	4366.9
6054.8	3679.4	3611.8	3670.3	3758.7	3268.1	4407.4	3148.0	5174.3	4080.4	4885.1
93.7	993.5	2345.5	2127.2	1548.6	1735.4	2306.0	2149.8	939.2	490.0	1306.2
5306.7	4278.9	5326.9	4691.1	5155.2	4513.9	5493.5	4468.6	4912.7	1904.2	3735.4
572.9	5219.9	5411.0	5780.8	5637.3	5838.1	6685.5	5840.3	4500.3	4859.4	4963.1
1886.5	3380.8	3738.9	4096.1	4493.3	3482.4	6230.9	4361.5	3071.4	1541.7	2858.7
6344.1	5180.8	5851.9	6667.9	5427.0	5692.7	4782.3	6441.4	5656.8	7091.4	5916.5
61.3	416.6	708.6	546.4	1734.1	308.6	1350.0	593.5	226.7	50.3	212.1
482.4	4382.4	4805.9	4711.6	4286.8	4469.7	5300.0	5199.8	3296.3	3522.1	3633.8
63.3	984.1	1141.7	1199.0	1120.1	952.4	1619.2	1049.9	497.7	66.9	719.7
41.3	202.6	231.7	192.4	357.5	128.7	486.8	270.9	97.1	51.7	160.5

1109.8	1276.5	968.3
3875.2	4033.9	4478.5
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4434.1	3460.8	6172.0
2883.1	2440.6	3165.2
5175.5	360.7	315.3
2127.0	1100.7	1420.1
4632.2	3921.5	3510.5
5995.3	6929.5	7055.7
10198.4	8294.9	7574.9
3541.5	2334.4	3056.5
3304.5	2510.8	4528.7
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3608.2	3361.2	3446.1
5718.7	6007.8	5855.6
1351.7	795.1	1161.3
3387.9	2513.7	1419.9
960.4	758.9	1009.9
5088.7	3231.9	3770.2
424.7	467.5	1189.0
1257.7	1942.6	1058.6
3108.3	1749.5	2345.4
6220.7	6256.6	7022.3
4576.1	4855.0	4041.0
7053.9	7523.2	7678.3
5464.3	4816.5	5696.0
2781.5	2172.0	1191.3
7289.8	7654.2	7644.8
364.1	209.8	575.0
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4557.7	4522.6	4306.6
5371.1	6143.2	5727.4
3994.6	4336.7	4024.1
6336.8	6653.5	4846.5
605.0	386.0	911.5
4492.9	4345.8	4162.2
878.3	941.1	1473.6
110.5	147.0	217.7

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AY177783.1 gg_id:78428 soil clone AY1777
GQ024567.1 gg_id:485103 Topographical and Temporal Human Skin Microbiome skin palm clone nbw123h01c: GQ024
EU884926.1 gg_id:337320 Bdellovibrio sp. str. JSF2 EU8849
EU937847.1 gg_id:307774 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9378
AF148941.1 gg_id:74869 Bdellovibrio str. TRA2 AF1489
AY662018.1 gg_id:137132 uranium-contaminated groundwater clone 300A-H04 AY6620
EU134532.1 gg_id:238695 tallgrass prarie soil clone FFCH17748 EU1345
AY921748.1 gg_id:113368 farm soil clone AKYH800 AY9217
FM253670.1 gg_id:343998 Rock gold mine unusually microbial biofilm clone G01-2 FM253
EU431666.1 gg_id:542199 Troglobitic (Cansiliella) on specialized feeding apparatus calcium carbonate (moonmi EU4316
EF516458.1 gg_id:227450 grassland soil clone FCPT629 EF5164
EU134406.1 gg_id:257948 tallgrass prarie soil clone FFCH7045 EU1344
EU134524.1 gg_id:256205 tallgrass prarie soil clone FFCH8734 EU1345
EU134527.1 gg_id:254193 tallgrass prarie soil clone FFCH9759 EU1345
EU133256.1 gg_id:247777 tallgrass prarie soil clone FFCH18766 EU1332
EF018594.1 gg_id:209570 aspen rhizosphere clone Amb_16S_865 EF0185
FJ542822.1 gg_id:511221 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone A FJ5428
EU978839.1 gg_id:591758 and metabolic potential metagenome glacier ice clone glb351c EU9788
FJ425595.1 gg_id:365052 communnities healthy and diseased colonies Caribbean coral Montastrea faveolata cl FJ4255
FJ202533.1 gg_id:352758 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k FJ2025
AB487112.1 gg_id:562287 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB4871
EF516682.1 gg_id:224255 grassland soil clone FCPS531 EF5166
DQ129144.2 gg_id:189151 forest soil clone CWT ST01_F02 DQ129
EF442982.1 gg_id:239332 Desulfobacterium catecholicum str. Kette EF4429
FJ516957.1 gg_id:511303 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled upper s FJ5169
U12253.1 gg_id:10829 Desulfobulbus rhabdoformis str. M16 U12253
GU304430.1 gg_id:581441 inhabiting epithelial tissue ruminal digesta -DGGE and sequencing rumen epithelium GU304
DQ831531.1 gg_id:162379 Activity and sulphate-reducing contrasting sediments River Colne estuary UK brackis DQ831
EU844167.1 gg_id:341591 metagenomics random sampling pyrosequencing rumen fluid fiber adherent microbi EU8441
AB189697.1 gg_id:114072 termite gut homogenate clone Tc-66 AB1896
DQ394978.1 gg_id:151814 harbor sediment clone VHS-B4-9 DQ394
AY548789.1 gg_id:105497 Desulfobulbus propionicus str. DSM 2032 AY5487
NR_029305.1 gg_id:590669 Desulfobulbus elongatus str. FP; DSM 2908 NR_029
FJ769451.1 gg_id:542644 Changes Methanogenic Microbial After Sludge Pre-treatment full-scale municipal ana FJ7694
AJ535238.1 gg_id:77808 marine sediment above hydrate ridge clone Hyd24-21 proteobacterium AJ5352
AY355297.2 gg_id:105894 epibiontic clone C11-G5 AY3552
Y13672.1 gg_id:10794 Desulfocapsa sulfexigens str. SB164P1 Y13672
EU662381.1 gg_id:571160 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems microbial mat (EU6623
AJ511275.1 gg_id:69671 Desulfocapsa sp. Cad626 AJ5112
FJ497574.1 gg_id:580889 Microbial Ecology Fe-rich Mats and Basaltic Rock American Samoa Vailulu'u Seamoun FJ4975

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16112.2	6087.8	5642.7	4828.3	6479.1	6776.6	6204.5	5736.0	7633.0	5666.6	6740.4
9272.8	7090.2	7491.1	6312.1	6050.7	6849.7	6947.2	7525.8	7415.1	9664.7	8424.1
97.8	820.2	1778.4	1478.8	1235.1	1176.9	1963.7	1150.0	691.0	377.0	1018.5
2162.1	3291.1	3968.5	3604.4	3297.8	3702.2	4318.7	3355.4	6161.2	4595.0	3095.0
58.7	233.7	525.1	466.3	764.9	424.9	780.1	1016.4	360.8	230.7	562.2
4934.7	4087.1	4335.3	4507.4	4819.1	3934.2	5588.7	4824.2	4309.5	2182.6	4104.9
6728.5	13021.3	12228.3	13482.0	13950.4	11915.8	14614.7	11600.2	14913.9	10306.5	14401.0
1008.1	6279.2	7153.0	7079.9	9087.8	6213.9	8314.3	6497.9	4936.1	1620.9	5553.2
1081.4	8481.0	8177.9	8448.7	9663.7	7091.3	10178.2	7037.9	7661.1	3747.0	6970.7
13450.2	5891.8	5816.9	6361.5	7196.9	5853.0	7566.9	6005.2	4645.3	4877.2	6540.6
204.9	3501.5	3568.4	4186.8	5214.7	4035.8	4926.5	3844.9	1921.0	1694.0	2831.2
796.1	4747.0	5109.3	5309.9	6196.5	4879.5	5915.6	4780.7	2590.6	1700.2	3532.0
1309.1	5308.3	5701.0	7020.4	5537.7	5361.4	4933.1	4867.2	3892.0	1593.0	4496.3
4113.4	7980.0	7846.1	8753.2	10064.3	8116.4	10070.9	7754.6	5638.4	4896.2	6675.5
292.5	4366.4	5137.8	5779.4	4651.6	4422.7	6272.3	5062.7	2978.3	1852.2	3840.4
845.3	6242.2	5435.1	5069.9	5103.0	5761.0	5205.5	4659.0	5247.9	4405.3	2953.3
952.5	6505.7	6702.4	7859.0	5390.8	6270.1	7043.4	7375.4	7047.1	4739.8	6866.7
7481.3	8562.6	8926.5	10564.3	9706.4	8588.1	10572.7	9663.8	8774.3	6739.5	9630.0
1629.8	3765.3	4458.7	5160.3	3211.6	4100.6	4500.3	4598.6	4040.6	2902.7	4122.1
6276.3	6362.9	6748.9	7446.3	6922.5	6693.0	7214.7	7389.9	7544.6	5859.3	5738.8
57.6	1108.3	1116.6	1610.5	878.2	1162.4	755.9	2036.4	712.9	221.7	1034.9
1863.7	5500.2	6342.6	7588.2	6219.3	5920.7	7280.4	7529.8	6072.1	1649.0	5971.6
988.2	820.2	810.1	1215.5	1052.1	755.2	1151.0	1340.4	497.2	328.4	692.2
74.9	256.7	789.1	891.1	623.2	466.7	1555.1	947.5	118.4	38.3	565.0
74.6	1470.5	2045.7	2215.9	2363.6	1687.4	2832.8	1841.0	1276.5	169.1	1452.5
28.1	55.4	96.0	72.4	76.3	62.7	162.0	20.6	19.6	9.6	51.3
1224.4	1982.0	2394.0	3109.3	2226.2	1970.1	4382.4	1472.7	925.3	308.7	1515.8
602.9	4827.4	5731.9	5611.1	6564.9	4762.6	10970.4	4143.6	2633.1	1420.2	4836.4
389.2	4421.0	5117.1	5008.7	5066.1	5787.1	7122.7	4030.8	1587.8	4013.9	3085.3
73.2	1065.5	1270.6	1345.4	1205.4	942.8	2042.6	1490.1	536.2	868.5	827.0
42.1	61.5	89.4	41.4	58.6	47.0	249.9	35.1	29.3	23.3	31.5
68.0	2483.4	2862.5	2499.6	3417.8	3103.3	5329.9	1695.8	972.3	433.6	2010.2
80.9	1880.7	2789.8	2966.8	2708.5	2429.6	5771.9	2746.2	1170.4	1002.8	2756.0
729.0	2726.5	3014.4	2890.6	3007.9	2304.6	5287.6	2039.3	2242.6	1546.5	2272.3
5659.8	6231.7	7225.8	8035.9	7942.2	6547.3	11791.6	6572.9	5937.7	3253.3	7246.7
1708.1	1322.2	1998.9	1641.6	1495.6	2282.8	2018.4	1310.2	553.9	642.8	1136.6
39.9	223.7	87.3	155.5	49.4	49.3	42.2	39.3	275.8	27.1	727.1
12125.7	2104.3	2522.2	2963.1	2488.1	1942.0	2597.5	1619.3	2731.8	2570.0	3503.2
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89.3	462.5	835.7	1037.0	777.5	612.6	808.4	556.8	561.6	242.3	795.3

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1062.5	673.3	429.0
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4004.8	3847.7	6070.4
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9128.0	8688.4	9665.3
4043.1	4436.1	3883.1
6857.8	7311.3	7168.1
2266.5	812.4	2517.4
7651.5	6710.4	9316.6
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889.0	90.8	805.5
1651.7	963.9	2095.9
24.5	31.6	32.3
1253.7	1434.8	1927.9
3679.3	3571.5	6765.4
5575.2	4633.6	6208.2
1075.4	1724.5	1900.5
41.8	35.9	64.6
1300.6	1620.5	2564.2
1982.9	2015.1	2263.3
1571.3	2030.6	3135.6
6886.8	5684.2	6653.4
2533.9	2000.8	1270.7
305.5	30.4	37.0
1822.2	2548.2	1828.9
804.4	1265.2	895.3
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EF687474.1 gg_id:281846 Biogeochemistry iron- and sulfur-precipitating microbial mats (Nile Mediterranean) s EF6874
FJ901718.1 gg_id:567131 phreatic limestone sinkholes northeastern Mexico biomat sediment cenote La Palita (FJ9017
DQ925886.1 gg_id:235454 Microbes and Thermal Gradients Temperature Hydrothermal Chimneys hydrotherm DQ925
EU101288.1 gg_id:249303 Sulfide/oxygen supply ratio predicts outcome competition among sulfur-oxidizing wa EU101
X95181.1 gg_id:10792 Desulfocapsa thiozymogenes str. Bra2 X95181
EU662622.1 gg_id:583279 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems floating microb EU662
EU101286.1 gg_id:250699 Sulfide/oxygen supply ratio predicts outcome competition among sulfur-oxidizing wa EU101
DQ521816.1 gg_id:159745 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexico DQ521
DQ676351.1 gg_id:217639 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
FJ712571.1 gg_id:531935 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7125
EU265788.1 gg_id:264490 epibiotic assemblage recently described Yeti Kiwa hirsuta (Kiwidae) surface crab hyc EU265
GU118041.1 gg_id:549531 Threatened Corals Provide Microbial Habitats clone Apal_D11 GU118
GQ850564.1 gg_id:591035 bottom water northern Bering Sea clone d75 GQ850
AY177802.1 gg_id:78959 Antarctic sediment clone SB4_58 AY1778
GU118122.1 gg_id:557861 Threatened Corals Provide Microbial Habitats clone Apal_M04 GU118
AF118453.1 gg_id:10810 Desulforhopalus singaporensis str. S'pore T1 AF1184
GU118039.1 gg_id:581136 Threatened Corals Provide Microbial Habitats clone Apal_N04 GU118
NC_006138.1 gg_id:128538 Desulfotalea psychrophila str. LSv54 NC_00
FJ664813.1 gg_id:568793 Quantitative dynamics cells plankton-fed microbial fuel cell clone PFC_6_peak_F10 FJ6648
AY770713.1 gg_id:110727 sea urchin Paracentrotus lividus clone PlS93 AY770
NR_024949.1 gg_id:534504 Desulfotalea arctica str. LSv514; DSM 12342 NR_02
AY770715.1 gg_id:110001 sea urchin Paracentrotus lividus clone PlS95 AY770
GQ357011.1 gg_id:583377 Metal Dependent Marine Methane Oxidation methane seep sediment clone FeLive(GQ357
DQ831548.1 gg_id:170756 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
FJ203002.1 gg_id:319044 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k FJ2030
AY177796.1 gg_id:78728 Antarctic sediment clone SB1_68 AY177
AM774321.2 gg_id:245906 Cultivation and situ quantification consistently demonstrate that two distinct group AM774
EU617845.1 gg_id:329633 Seasonal variation microbial Yel Sea sediment clone A13S-69 EU6178
AY592401.1 gg_id:103065 deep-sea mud volcano clone Amsterdam-2B-43; BC20-2B-43 AY5924
FN396662.1 gg_id:550643 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_0_V FN3966
AY327885.1 gg_id:89269 surface vent snail foot clone SF_C4-E AY3278
GU220767.1 gg_id:540615 Microbial mineralization and involved microbial Basin field temperature hydrotherm GU220
FJ485136.1 gg_id:510228 microbial autonomous rover world's deepest phreatic sinkhole water column El Zacat FJ4851
GQ246441.1 gg_id:583729 Temporal and spatial China North Yel Sea sediments clone Ld1-46 GQ246
AM745146.1 gg_id:290803 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
FJ712454.1 gg_id:517813 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7124
DQ831544.1 gg_id:169282 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
EU981262.1 gg_id:342198 sulfate reducing living bench scale aquifer column water clone D1_SW EU981
AF354148.1 gg_id:71200 marine methane seep clone 1431 AF3541
EU981255.1 gg_id:355558 sulfate reducing living bench scale aquifer column water clone A56_SW EU981
AB294977.1 gg_id:226332 -dependent & analyses hydrothermal system off Taketomi Island Japan microbial ma AB2949

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1071.8	3460.5	3903.8	3468.8	3105.3	3264.1	5181.8	2891.7	1702.7	866.3	3468.5
9707.9	4873.3	5196.9	5519.8	5541.7	7553.6	6321.9	5204.5	5261.3	9161.1	5584.9
30.6	671.4	767.3	875.9	752.0	467.0	1739.5	722.4	259.4	55.9	619.4
3982.6	4526.0	4971.9	5346.2	5015.9	4613.5	7240.7	4322.4	4545.6	3054.9	5202.5
6453.1	6244.9	6439.1	7484.8	6552.1	5290.2	9406.2	5901.0	4017.1	2762.3	6363.5
82.6	4131.8	4460.9	4832.7	4849.1	3391.6	8060.8	2921.0	1662.4	2690.9	2913.6
7932.5	4383.9	4436.6	5032.7	5274.1	6711.2	6276.6	4664.4	4993.8	4645.1	4244.9
8922.2	4783.7	5193.0	5486.3	4994.6	3865.8	6727.4	4277.7	5301.2	4050.9	7702.8
2443.5	2372.5	2161.7	2317.1	1694.9	1954.7	2275.0	1869.4	1722.5	921.2	2406.4
33.7	92.4	191.6	242.0	54.7	195.7	116.3	143.5	55.4	40.4	230.1
8520.2	3757.4	4564.1	4663.4	4833.6	4092.9	5586.6	3951.7	3382.2	1677.4	3347.2
48.6	1799.1	2659.9	2511.6	2458.4	1884.0	5583.2	3182.2	905.9	230.9	2506.0
163.3	1865.8	2767.5	2692.5	2307.4	1981.7	4536.7	3264.9	1180.4	325.0	2196.2
2129.8	5154.8	5848.7	5622.5	5024.2	4962.4	5578.5	5351.0	7162.0	3630.2	5719.7
164.1	2024.0	3027.0	3181.9	2873.5	2201.0	4569.5	2701.1	1532.9	544.6	2869.8
15105.3	5635.0	4990.8	5227.7	5056.3	5024.2	5991.9	5017.3	7857.5	5191.6	5633.0
3486.3	4202.1	4419.8	4788.2	4604.7	4075.5	5616.5	5336.1	3951.7	2831.6	5642.9
658.8	3249.4	3280.8	3429.8	2473.0	3198.6	2981.8	2993.9	3248.7	3719.7	4122.2
1451.5	2878.5	1974.7	3358.4	3173.9	3223.3	3432.4	3233.0	4202.2	2924.1	3431.8
936.0	1704.3	1799.0	1872.5	1877.3	1548.0	3401.4	1185.1	969.3	151.7	1424.6
450.6	2243.5	2811.5	2863.3	3159.8	2493.7	4286.8	2547.4	1807.7	621.8	2150.6
13004.7	5918.9	6234.9	7111.5	7662.9	7388.1	6451.4	5825.9	5588.3	5655.7	7556.2
60.4	329.4	672.3	652.5	402.9	485.2	610.5	392.6	126.0	192.7	300.6
46.9	123.3	257.2	259.6	134.5	199.0	228.0	133.1	72.6	55.8	251.1
38.5	425.6	748.6	788.5	547.6	424.2	960.2	417.1	139.3	31.0	622.2
5335.6	7196.3	8259.2	9264.2	8707.6	7143.6	11544.4	7287.9	5395.9	1777.2	7508.1
41.4	631.0	424.9	341.2	499.9	1442.2	971.0	269.3	68.0	23.7	216.5
5937.1	5360.8	5584.1	6706.5	7908.5	6741.1	8235.8	6237.3	8953.1	9171.5	6087.0
2150.0	10709.3	11508.9	12136.5	5010.2	9961.0	8985.9	9030.9	5572.1	1777.1	13705.5
2344.9	1384.2	1863.0	1849.6	2102.7	2052.4	2792.8	2117.0	976.2	1394.3	1694.8
50.2	1226.1	1546.7	1463.6	1541.4	1435.9	1718.4	1943.8	529.9	800.8	1026.1
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1637.1	1998.8	2417.7	2863.3	2564.5	4527.0	3077.4	2370.5	1634.8	3530.6	1597.5
724.7	6652.7	6838.6	7790.7	7385.1	6927.2	10133.2	6346.3	4255.4	3743.2	7053.7
42.6	519.0	1034.7	1120.8	654.8	1072.7	1264.9	725.2	167.5	102.3	726.8
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116.5	4107.2	5135.4	4810.1	5185.8	3809.9	10147.0	3266.3	1671.8	873.6	4720.7
90.8	1773.6	2077.1	2331.6	2531.5	1844.8	3945.0	1798.3	1154.6	188.6	1450.0
26511.5	4226.9	5344.3	5852.7	5941.2	4402.1	6245.0	5095.9	3882.9	2069.9	4597.3
105.1	2491.7	2761.3	2975.0	2650.4	2334.9	2768.4	2777.9	1624.6	1187.9	1778.8

2710.1	2562.6	2500.3
2289.7	2339.3	2628.3
6004.1	6515.7	5889.0
527.8	350.0	556.1
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5871.3	4478.8	7254.4
3544.7	3187.8	1998.3
5930.4	6697.7	4276.9
3845.0	4663.6	4067.1
1592.9	2076.9	2033.0
155.1	87.1	127.0
4048.7	4631.5	4562.4
2674.7	2118.4	2178.7
3073.9	2978.9	3300.3
5567.9	4571.7	5769.5
2477.3	1903.9	1905.1
5018.3	5856.9	5231.8
4340.6	4222.3	3635.1
2231.7	2678.7	1748.2
3282.6	4072.9	3370.1
1173.3	1035.5	2247.7
2325.8	2265.4	2893.0
5458.6	6415.0	5887.5
548.3	603.1	919.1
87.6	74.3	83.6
170.4	38.8	51.0
6587.2	5500.7	7847.9
183.0	320.6	448.3
6580.5	6627.3	6145.9
7908.7	6852.4	5666.6
1861.7	2748.5	2195.7
1557.0	880.4	1862.4
5099.0	3077.5	5007.2
5006.3	3778.0	2398.0
5165.4	5770.8	8464.4
330.3	370.1	883.9
2994.4	4014.4	3285.6
2274.9	1933.4	2589.0
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GU118230.1 gg_id:540643 Threatened Corals Provide Microbial Habitats clone Dstr_P12 GU118
GQ246285.1 gg_id:590606 Temporal and spatial China North Yel Sea sediments clone Sd1-4 GQ246
EU869410.1 gg_id:328130 Microbial hypersaline Sidi Ameur water Himalatt Salt Lake Algerian Sahara clone ARI EU869
EU287257.1 gg_id:257411 Pacific arctic surface sediment clone S11-74 EU287
AM745158.1 gg_id:296704 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
DQ831543.1 gg_id:168864 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
EU734932.1 gg_id:311410 assemblages sediment station DBSE Northern Bering Sea clone 023A38 EU734
EU981265.1 gg_id:346330 sulfate reducing living bench scale aquifer column water clone D18_SW EU981
AY771968.1 gg_id:111554 marine surface sediment clone SD27 AY771
AY355305.2 gg_id:101832 epibiontic clone C6-B1 AY355
AM404380.1 gg_id:567796 Hydrocarbon-fueled sulfate reduction can sustain long-lived tubeworm aggregation AM404
AY586398.1 gg_id:108445 fatty acid-degrading consortium clone FA-PB11 AY586
AY216446.1 gg_id:82114 temperate estuarine mud clone KM15 AY216
AY193139.1 gg_id:80324 marine sediment clone Bol88 AY193
EU528183.1 gg_id:281431 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU528
DQ677861.1 gg_id:243494 Blood Falls Subglacial Outf Taylor Glacier Antarctica subglacial outf clone BF99_C161 DQ677
AB240495.1 gg_id:141610 microbial structure rhizosphere biofilm Sapporo root-tip (0 40 mm) Phragmites Sosei AB240
AF050536.1 gg_id:10793 contaminated aquifer clone WCHB1-67 AF050
AY998140.1 gg_id:126281 Continental deep subsurface geochemically structured within alternating shale-sand AY998
EU328056.1 gg_id:278259 dynamics during bioremediation crude oil contaminated moderate saline soil clone B EU328
EU652618.1 gg_id:279049 Seasonal variation microbial Yel Sea sediment clone C8S-16 EU652
GU302481.1 gg_id:569243 Spatial structure and activity sedimentary microbial underlying Beggiatoa spp. mat I GU302
DQ521817.1 gg_id:161410 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexico DQ521
EU662614.1 gg_id:550521 Productivity- Chemolithoautotrophically Based Sulfidic Karst Systems floating microb EU662
EU290696.1 gg_id:241222 microbial structure biogeochemical contrasting shelf sediments Namibian upwelling EU290
NR_026354.1 gg_id:571713 Desulfofustis glycolicus str. PerGlyS NR_02
EF632754.1 gg_id:249075 Unique microbial contrasting aquatic altitude Andean Altiplano (northern Chile) fresh EF6327
EU542499.1 gg_id:260510 Effects chemical structure concentration on pathways microbial during dechlorinatio EU542
FJ264778.1 gg_id:341813 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedime FJ2647
AB100012.1 gg_id:99697 inactive deep-sea hydrothermal vent chimneys clone IndB4-24 AB100
AJ866934.1 gg_id:130219 Desulfobulbus mediterraneus str. NA62 AJ8669
AB252437.1 gg_id:156393 Microbial extremely CO2 rich deep-sea sediment Marine sediments Yonaguni Knoll I AB252
L42613.1 gg_id:10809 Desulforhopalus vacuolatus str. ltk10 L42613
FJ712433.1 gg_id:516762 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7124
AY771961.1 gg_id:112020 marine surface sediment clone SP22 AY771
DQ831556.1 gg_id:164944 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
EU617846.1 gg_id:329676 Seasonal variation microbial Yel Sea sediment clone D13S-79 EU617
AY050586.1 gg_id:19356 MCB-contaminated groundwater-treating reactor clone GOUTA17 AY050
AJ241011.1 gg_id:10837 Norway:(Svalbard)Hornsund clone Sva0631 AJ2410
AM404330.1 gg_id:221162 aerobic and anaerobic methane oxidizers Arctic mud volcano(Haakon Mosby Mud V AM404
FJ712434.1 gg_id:517763 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7124

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70.9	2499.7	3257.0	3391.1	2312.5	3847.3	2518.0	3030.1	1319.2	4632.5	1666.0
3690.3	2584.1	3388.3	3770.9	2457.4	3258.1	3758.5	2556.9	2634.9	2245.5	3494.1
5797.3	2823.0	3102.3	2853.3	2745.2	2389.8	3869.2	2206.7	2963.8	2312.7	3999.4
6564.2	6632.3	8169.8	7772.2	8844.0	6961.3	9051.5	7475.5	6774.1	4239.5	9033.7
936.2	1834.0	2232.0	2866.8	2078.9	1972.8	3499.9	2031.2	1968.7	499.6	2436.1
2759.0	5391.2	5018.6	5875.0	5496.3	5314.6	5495.9	5490.7	3932.4	6647.5	5403.7
10374.2	6375.1	6753.8	6931.2	6744.5	6564.6	7420.4	5877.1	5568.4	3055.4	6725.3
86.8	2847.2	3044.5	3702.2	3392.5	2783.7	3810.8	2734.7	1868.3	1110.3	2230.3
2618.5	3211.6	3743.9	3575.6	4439.9	2694.5	6657.3	1992.7	1014.3	2458.7	1669.8
1573.3	4485.8	5115.7	4961.0	4839.0	4496.6	7648.8	4515.0	4351.8	5276.6	5484.1
52.7	2770.4	2597.2	2537.9	3201.6	2145.3	4881.6	1550.9	2243.8	301.6	1904.3
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2575.5	1455.1	1742.5	1740.4	1837.9	1826.4	2075.9	2177.2	1028.2	2311.6	1558.4
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119.1	1408.4	2363.8	1947.0	1967.9	1615.8	5030.3	938.0	428.9	141.3	1686.4
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487.3	2952.0	3856.5	3346.3	3583.9	2851.5	5883.2	2320.0	2040.2	1460.1	2912.2
1964.5	6480.6	6346.9	6738.0	6340.3	5879.1	8029.1	5407.0	5097.6	5776.6	5588.7
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944.2	2927.8	3922.9	4365.0	3802.8	3564.5	6151.6	3848.1	2187.0	3750.5	2389.8
120.7	535.6	809.7	799.6	671.2	757.8	921.0	624.3	1254.9	440.2	571.7
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6429.4	5709.1	4844.4
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EU245867.1 gg_id:252562 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M7-D0 EU2458
AM176869.1 gg_id:161369 Recovery mangrove sediment clone SZB64 AM176
EU287217.1 gg_id:252970 Pacific arctic surface sediment clone S11-34 EU287
FJ712587.1 gg_id:519783 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7125
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FJ873362.1 gg_id:513064 Vertical and archaea methane-rich cold seep located base sediments Okhotsk Sea clo FJ8733
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EF422413.1 gg_id:203745 Desulfurivibrio alkaliphilus str. AHT2 EF4224
DQ833475.1 gg_id:162310 detected analyses depth sediment Guanting Reservoir clone 5-48 DQ833
AY771928.1 gg_id:135376 vertical d and intertidal mud flat Wadden Sea marine surface sediment clone LacK1 AY7719
AY771960.1 gg_id:112173 marine surface sediment clone SN27 AY7719
AB250577.1 gg_id:161256 and ecology Grotta Azzurra Palinuro Cape (Salerno Italy) microbial mat clone #5-8 AB2505
AY327886.1 gg_id:90296 surface vent snail foot clone SF_C6-D1 AY3278
AJ241013.1 gg_id:10827 Norway:(Svalbard)Hornsund clone Sva0999 AJ2410
AM950241.1 gg_id:567396 Sulphide oxidation elemental sulphur membrane bioreactor: Performance and selec AM950
DQ154829.1 gg_id:138936 Diel Migration Restructures Hypersaline Microbial Mat hypersaline microbial mat cl DQ154
AB294967.1 gg_id:223812 -dependent & analyses hydrothermal system off Taketomi Island Japan microbial ma AB2949
EF687172.1 gg_id:282050 Biogeochemistry iron- and sulfur-precipitating microbial mats (Nile Mediterranean) ir EF6871
FJ416079.1 gg_id:359718 sediments sediment station DBS1 Northern Bering Sea clone 162I41 FJ4160
AJ620509.1 gg_id:108099 Olavius crassitunicatus endosymbiont AJ6205
AF420335.1 gg_id:71031 hydrothermal sediment clone AF420335 AF4203
FJ264573.1 gg_id:335868 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2645
EU981263.1 gg_id:335188 sulfate reducing living bench scale aquifer column water clone D5_SW EU981
AY771952.1 gg_id:112016 marine surface sediment clone SK1 AY7719
GQ249525.1 gg_id:581436 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 6-8 cm layer clor GQ249
EU869406.1 gg_id:307864 Microbial hypersaline Sidi Ameur water Himalatt Salt Lake Algerian Sahara clone ARI EU8694
AB426225.1 gg_id:259454 -situ identification study benzene-degrading s under methanogenic condition anaerc AB4262
AB100004.1 gg_id:79377 inactive deep-sea hydrothermal vent chimneys clone IndB2-42 AB1000
FN396953.1 gg_id:561836 integrative isotopic approach study degradation mixed Mixed (US3-M) enriched grou FN3969
EU869423.1 gg_id:309672 Microbial hypersaline Sidi Ameur water Himalatt Salt Lake Algerian Sahara clone ARI EU8694
EU283455.1 gg_id:279354 Model Early Earth Harbors Deeply Divergent Divisions Anderson Lake clone A817 EU2834
AB179691.1 gg_id:102062 groundwater 0.2 m-captured fraction clone KNA6-EB15 AB1796
GU061178.1 gg_id:592956 Evaluation culturing methods cultivate previously Yel Sea intertidal beach surface se GU061
EU244009.1 gg_id:367854 16SrRNA probes river Leine sediment clone sl1127 EU2440
AY771929.1 gg_id:111926 marine surface sediment clone LacK4 AY7719
GQ246288.1 gg_id:512929 Temporal and spatial China North Yel Sea sediments clone Sd1-7 GQ246
AM493255.1 gg_id:308423 Multiple symbionts two species co-occurring gutless oligochaete worms Mediterrar AM493
AJ007373.1 gg_id:10840 environmental clone directly AJ0073
DQ513028.1 gg_id:161392 Microbial life fluids ridge flank crustal fluid clone FS142-27B-02 DQ513
GQ337170.1 gg_id:582065 Hydrography shapes biogeography deep Arctic Ocean water depth 410m clone CB1 GQ337

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749.4	1382.6	1763.6	2198.6	1727.1	2013.5	1442.5	2361.8	1304.5	346.0	1748.3
450.8	2334.2	3294.6	3259.8	3182.9	2628.0	3604.7	3008.0	2249.5	421.9	2014.6
35.7	1049.3	1626.5	1889.5	1404.4	1107.0	3599.6	1072.1	407.2	32.0	1632.0
941.4	3196.5	3405.1	3447.8	3979.6	3270.0	3706.9	2990.7	2671.0	2454.9	3562.9
496.3	2089.1	886.1	1774.9	1320.5	2014.0	1808.0	1833.5	2366.4	1091.8	2370.8
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198.1	3130.2	3561.9	3273.4	1763.9	3605.8	3347.9	1987.1	1628.5	789.7	2308.4
49.1	352.6	504.5	514.5	448.0	506.7	1079.5	467.4	159.3	56.7	491.5
42239.6	10177.5	10959.8	10652.1	10508.6	9790.7	11950.2	9287.5	13256.2	12673.7	16236.0
35.0	1142.6	1288.9	1481.1	861.8	1240.2	682.6	1144.4	684.2	211.1	876.8
136.1	810.6	1391.1	1421.6	1691.1	1461.3	2173.5	1392.3	171.5	788.3	679.2
4566.1	4388.9	5277.6	5035.4	3588.0	4805.0	5717.7	4360.6	7307.5	4963.3	5161.0
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14641.2	1818.0	2843.1	3055.3	3148.2	2464.0	3711.7	2726.4	1772.7	429.5	1895.3
141.8	1168.6	1591.1	1801.1	1256.4	1319.3	1469.7	1056.8	2392.5	1041.9	1258.3
159.5	1784.0	2404.6	3502.2	1336.4	2210.2	2017.1	2071.8	680.1	235.6	1456.9
7825.0	3532.7	3569.6	3837.9	3034.8	3158.4	4353.8	2948.7	3532.3	4269.0	3813.1
33.4	123.5	99.0	102.7	36.6	88.1	31.0	34.7	124.4	15.1	378.8
2065.4	6336.4	7578.9	8417.3	7269.4	6939.2	10382.4	6635.7	5223.9	4622.0	8457.3
1499.8	2727.5	2979.6	2776.5	2821.5	2366.1	4745.3	2063.1	1795.9	762.3	2935.1
23685.3	4991.8	5613.9	6146.1	6992.9	5248.3	7617.5	5498.8	3244.4	2991.7	4343.9
1426.6	4117.6	4505.4	4343.3	3799.3	3664.2	4126.6	3714.9	4641.9	3241.3	4546.0
2316.5	3971.7	5227.4	6048.1	4882.8	4380.0	6929.4	5996.8	3914.0	5294.2	6002.5
4118.8	3940.1	4504.0	4988.0	4183.4	3867.2	5813.9	4042.8	4064.3	3786.3	4774.7
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1781.2	2421.3	3224.9	3329.9	2949.9	3094.4	4035.3	3503.5	2499.6	3139.4	2743.1
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22.9	24.2	24.4
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793.7	946.7	673.0
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2343.3	1267.5	2570.1
2952.9	3796.5	3189.3
164.7	26.0	28.3
6213.7	6272.2	6973.0
1660.9	1370.8	1709.4
6051.7	4811.8	5796.2
3493.7	3385.9	4046.0
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3480.3	4658.3	4569.3
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3384.8	3048.0	3008.3
3385.7	144.6	360.1
2446.6	2795.9	2531.1
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78.3	130.2	149.2
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4805.5	5977.7	5593.3
1841.9	1661.6	1548.8
3674.5	3624.4	4428.1
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DQ009478.1 gg_id:125448 bacterioplankton clone SPOTSMAY03_890m2 DQ009
L35504.1 gg_id:1673 Nitrospina gracilis str. Nb-211 Atlantic Ocean isolate L35504
AY375081.1 gg_id:98326 deep sea sediment clone B108 AY375(
EU236362.1 gg_id:299227 Haliclona gellius: sponge and symbionts 13 m depth Pacific Ocean clone Hg91D6 EU236
DQ009430.1 gg_id:122261 bacterioplankton clone SPOTSFEB02_70m30 DQ009
FJ615158.1 gg_id:588176 Microbial dynamics seasonally fjord: British Columbia Saanich Inlet depth 100m anoxi FJ6151
EU491186.1 gg_id:260159 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU491
FJ205260.1 gg_id:513991 Prokaryotic deep-sea region East Lau Spreading Centre active hydrothermal field sedi FJ2052
DQ396297.1 gg_id:154118 deep-sea octacoral clone ctg_NISA239 DQ396
EU050846.1 gg_id:244986 libraries sediment Kings Bay Svalbard Arctic clone ss1_B_02_21 EU050
GQ348628.1 gg_id:583192 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich GQ348
GQ348702.1 gg_id:554642 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich GQ348
EU617741.1 gg_id:339589 Seasonal variation microbial Yel Sea sediment clone C13S-128 EU617
GQ349342.1 gg_id:564925 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich GQ349
DQ009461.1 gg_id:116945 bacterioplankton clone SPOTSMAY03_500m10 DQ009
DQ070818.1 gg_id:149964 Prokaryotic Structures Seafloor Basalts Varying Age East Pacific Rise and Ridge basal DQ070
DQ513042.1 gg_id:161152 Microbial life fluids ridge flank crustal fluid clone FS142-6B-02 DQ513
AB015560.1 gg_id:1675 deep-sea sediment clone BD4-10 AB015
GU220750.1 gg_id:540822 Microbial mineralization and involved microbial Basin field temperature hydrotherm GU220
GQ349282.1 gg_id:593656 Metagenome versatile chemolithoautotroph expanding oceanic dead zones Saanich GQ349
DQ154855.1 gg_id:139228 Diel Migration Restructures Hypersaline Microbial Mat hypersaline microbial mat cl DQ154
FJ264670.1 gg_id:340510 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2646
EU937982.1 gg_id:317469 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU937
AY211659.1 gg_id:95547 Gulf Mexico seafloor sediment clone GoM GC185 508E AY211
EU386020.1 gg_id:274277 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU386
DQ330990.1 gg_id:159337 Guerrero Negro hypersaline microbial mat clone 072DZ69 DQ330
FJ484693.1 gg_id:512592 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4846
FJ264596.1 gg_id:303539 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2645
FN396681.1 gg_id:539102 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_0_V FN396
FJ902380.1 gg_id:594172 phreatic limestone sinkholes northeastern Mexico green biomat 8m deep cenote Car FJ9023
EU385688.1 gg_id:268129 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
FJ716318.1 gg_id:551732 Chlorobi dominate shal chemocline Bahamas Sawmill Sink column 10.3 m water dept FJ7163
FJ517130.1 gg_id:512958 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled water c FJ5171
DQ676358.1 gg_id:224366 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
AY771962.1 gg_id:111849 marine surface sediment clone SR24 AY771
AJ306774.1 gg_id:66925 DCP-dechlorinating consortium clone SHA-72 AJ3067
GQ487920.1 gg_id:554266 Microbial metal soil polluted heavy metals clone T1-75 GQ487
AB188771.1 gg_id:114153 cold seep sediment clone SB1-2 AB188
EU491434.1 gg_id:259879 Abundance and microbial life ocean crust seafloor lavas Hawai'i South Point X4 clone EU491
EF125402.1 gg_id:191519 soil naked tidal flat sediment near mangrove clone MSB-1E1 EF1254

671.1	4022.8	3395.1	4150.8	3808.8	3402.5	3612.9	3493.3	4094.9	2194.4	2507.9
38.4	35.4	68.9	74.4	77.3	41.5	77.9	38.4	35.7	24.6	37.3
42.7	1415.4	1974.9	1809.9	1978.8	1686.6	1610.7	2110.3	654.3	838.3	885.6
5167.4	5210.2	5673.7	6415.5	5477.7	5775.5	6853.8	6044.0	5023.5	2590.2	5056.8
118.1	1588.0	2079.8	2247.0	2290.1	2309.0	2153.2	2121.9	516.0	127.2	1612.2
51.4	764.4	1081.2	1213.5	903.9	825.8	1145.4	1264.1	183.2	160.4	609.7
18061.0	5222.4	5434.6	6790.7	5175.2	5198.9	5963.6	5379.9	6730.8	4389.4	6484.7
3238.0	3975.8	4532.8	5443.9	4657.1	4701.5	5156.7	4779.6	2435.9	2644.6	4138.6
596.1	6645.7	6565.5	6673.3	7260.5	6644.9	6952.2	6137.8	5553.0	8149.6	5864.8
39.4	466.1	1023.7	1034.7	632.6	477.0	771.6	692.3	159.7	114.3	376.8
218.5	3566.3	4522.2	3751.7	4085.6	3119.8	4253.8	3892.8	1565.0	2862.6	2863.2
38.3	207.6	339.0	374.0	177.5	143.5	368.7	248.1	80.6	22.2	116.6
1390.1	3567.3	4083.1	4848.4	4395.3	4227.2	3973.3	4379.4	2918.6	3920.2	3088.4
9979.8	7745.0	7753.6	8413.1	9311.7	8016.6	9151.2	7629.3	8705.3	6557.1	10410.8
36.1	70.9	132.2	176.2	108.6	81.3	101.7	129.9	22.8	15.6	91.6
3642.4	7600.9	7975.9	8639.5	9832.1	8188.3	9788.2	8253.3	6710.8	7036.8	7904.4
1046.3	4339.2	5373.7	5306.7	4966.4	4275.8	6650.4	5021.9	2788.1	1104.6	3576.5
959.1	5649.3	6097.5	6962.6	6987.8	6537.0	8922.1	7053.1	4352.4	7561.3	5878.3
239.2	4940.2	5742.6	4386.5	5422.7	5394.9	7098.6	4916.1	7288.9	3625.8	5693.8
4678.0	7962.4	7664.0	7645.5	7052.2	6655.7	8097.2	6889.3	7661.4	7304.5	9182.7
72.4	1369.7	1965.2	1990.0	1596.5	1351.4	2085.7	2211.3	615.3	1032.4	1487.0
989.1	6985.5	6578.9	6756.1	7771.2	6855.7	8111.4	7151.8	7295.0	2519.0	5048.1
3185.1	5213.7	5328.3	5529.3	6055.5	4677.6	7230.6	4866.5	5787.1	2135.7	3977.9
10632.6	9014.8	8568.5	10268.9	9129.2	9053.9	10669.2	8840.1	8576.0	8507.2	10709.5
35.6	57.5	90.3	98.1	88.8	83.3	83.7	57.3	54.6	215.4	46.0
16031.1	7557.1	7662.4	7942.6	7395.3	7151.0	8267.8	6593.6	9503.7	9475.9	10542.6
1333.3	3160.0	4118.3	3581.2	4488.0	3374.1	4091.8	3990.9	2528.3	1554.2	3834.3
17861.0	10907.0	10099.7	10531.1	10174.9	9801.8	11360.2	9823.0	12170.2	7247.4	11862.7
5069.2	5394.5	6693.7	6313.2	6491.1	5662.3	8628.5	5757.1	5588.7	5431.7	5517.3
143.3	1823.4	2590.5	2633.1	1949.4	1386.6	3412.7	2393.3	2200.0	309.1	1268.4
2218.8	5202.9	5701.7	6476.6	6523.8	7581.4	6557.7	8229.6	4683.4	8796.9	6916.8
6239.0	8382.0	7692.1	9030.7	8820.6	7937.5	8432.5	7384.6	8410.6	6707.2	8719.8
3505.6	3932.5	5141.2	5522.6	4122.4	4214.6	4190.9	5365.4	2755.1	2771.4	3952.6
1045.3	6602.9	6794.3	7121.6	6307.2	5722.7	8859.9	5764.0	5413.6	4149.1	6121.0
980.7	4016.2	4233.4	4366.3	2606.6	2544.5	2853.0	3778.5	2253.7	1380.5	2162.4
327.7	2967.5	3414.1	3377.5	2767.5	3258.4	4029.7	2668.0	2136.9	904.1	4644.1
43.6	943.3	1353.3	1315.0	663.6	669.7	819.6	925.2	289.4	134.6	444.5
1115.4	5923.8	6248.9	7124.9	7700.4	5346.8	8955.9	5165.5	6695.5	4068.8	5518.0
73.7	1920.8	2098.6	610.4	1854.8	1813.6	2071.5	1537.4	1801.7	1252.0	1896.3
835.2	3456.3	3802.0	3886.9	4082.9	3532.2	4099.3	3518.9	2540.7	1716.7	2894.5
3869.5	9039.2	8689.9	7696.0	7587.8	7525.9	8377.1	6697.8	6221.0	1399.7	7806.5

3491.1	3472.9	3725.9
45.1	66.6	66.6
1251.4	2039.9	2911.0
5259.6	6102.5	6831.5
1333.7	1781.5	2767.9
611.8	1210.9	2044.6
4272.7	6519.6	5920.3
3846.2	4476.3	5431.5
6004.9	6199.9	7577.8
257.9	749.5	1301.1
2817.1	3754.8	5190.5
73.2	326.0	353.3
3756.4	4419.5	4284.0
6899.3	7980.1	9791.8
167.7	166.0	137.5
7767.3	8082.4	10321.7
3234.1	3372.8	5295.9
5903.2	7203.9	10832.2
4626.8	5763.5	7094.0
5727.8	7197.7	7354.0
1560.2	1801.8	3225.1
5143.2	3938.3	6348.9
5092.4	4507.8	5734.1
8775.9	9190.7	9840.8
73.3	91.0	88.3
7186.4	9239.7	7031.5
3462.2	4013.9	4134.8
9068.8	10235.8	12148.2
5635.1	6263.4	7101.1
2083.1	1804.3	2335.1
8006.7	8444.4	8011.9
8101.7	8240.7	7567.7
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5192.0	6053.1	6673.5
2755.8	3395.9	3091.4
1629.7	2167.6	2768.4
636.6	817.4	1064.1
4996.3	6168.1	6023.7
1466.7	1680.5	1837.9
3668.4	4083.7	5005.6
6112.7	6610.1	7183.6

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AB177175.1 gg_id:131091 seafloor methane hydrate clone ODP1230B22.09 AB177
AJ535229.1 gg_id:78077 marine sediment above hydrate ridge clone Hyd89-13 proteobacterium AJ5352
EU617740.1 gg_id:338777 Seasonal variation microbial Yel Sea sediment clone C13S-10 EU617
DQ395025.1 gg_id:154412 harbor sediment clone VHS-B5-56 DQ395
AB530224.1 gg_id:563571 Monitoring Suez and Tokyo bays based on analyses marine sediment clone Tokyo..B AB530
FJ793183.1 gg_id:532122 Archaea and Hot Spring Thailand Tao Dam hot spring clone TDB71 FJ7931
FJ484701.1 gg_id:562989 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4847
AB291810.2 gg_id:244173 anaerobic benzene degrading enrichment which was d lotus field soil clone Hasda AB2918
FJ437911.1 gg_id:571145 Benthic okenone production Fayetteville New York Green Lake 25 m water depth clor FJ4379
FJ902095.1 gg_id:583726 phreatic limestone sinkholes northeastern Mexico orange biomat 8m deep cenote Ca FJ9020
AM176854.1 gg_id:159782 Recovery mangrove sediment clone SZB3 AM176
AY177804.1 gg_id:78912 Antarctic sediment clone LH5_30 AY1778
AF543506.1 gg_id:58310 acid mine drainage clone BA9 AF5435
DQ328619.1 gg_id:150232 microorganisms populating site extreme acid mine drainage sediment clone H11 DQ328
EF409870.1 gg_id:205334 acid mine drainage clone YSK4-06 EF4098
EU245455.1 gg_id:241617 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M1-G0 EU2454
AF543496.1 gg_id:56683 acid mine drainage clone AS6 AF5434
FN429806.1 gg_id:584068 Biogeochemistry -activity cold seep Larsen B area western Weddell Sea Antarctica m FN4298
EU385907.1 gg_id:274944 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S EU3859
GQ246287.1 gg_id:583062 Temporal and spatial China North Yel Sea sediments clone Sd1-6 GQ246
AB300126.1 gg_id:222448 Wide ancient microbial DNAs Quaternary sediments holocene mud sediment clone K AB3001
AJ301566.1 gg_id:28255 Germany:Schlema/Alberoda clone GR-296.I.86 AJ3015
EU491225.1 gg_id:273634 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU4912
FJ746160.1 gg_id:572036 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m FJ7461
FJ205257.1 gg_id:512306 Prokaryotic deep-sea region East Lau Spreading Centre active hydrothermal field sedi FJ2052
EU385892.1 gg_id:269081 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S EU3858
EU925843.1 gg_id:327363 sediments sediment station DBS1 northern Bering Sea clone 034E59 EU9258
FJ905645.1 gg_id:573989 s Tonga-Kermadec iron oxide chimney-like structure on Volcano 19 Tonga Arc clone V FJ9056
AY093467.1 gg_id:63116 deep marine sediment clone MB-A2-137 AY0934
FJ497387.1 gg_id:574286 Microbial Ecology Fe-rich Mats and Basaltic Rock American Samoa Vailulu'u Seamoun FJ4973
DQ351799.1 gg_id:146139 Microbial Adherent Sediment Particles Heavy Metal Contaminated North Sea Surfac DQ351
AY592588.1 gg_id:105731 deep-sea mud volcano clone Napoli-1B-33; BC07-1B-33 AY5925
EU491271.1 gg_id:261039 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU4912
DQ404601.1 gg_id:156317 contaminated sediment clone 656045 DQ404
FJ746091.1 gg_id:570989 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m FJ7460
EU937853.1 gg_id:352286 Biogeochemistry Iron Oxidation Circumneutral Freshwater Habitat riparian iron oxidi EU9378
FJ746300.1 gg_id:508914 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m FJ7463
EU048685.1 gg_id:250097 and archaeal surface marine sediment Slope South China Sea clone MD2896-B28 EU0486
AY592672.1 gg_id:105663 deep-sea mud volcano clone Napoli-2B-50; BC07-2B-50 AY5926
EU287051.1 gg_id:253719 Pacific arctic surface sediment clone B78-87 EU2870
EU181482.1 gg_id:246264 Prokaryotic enhanced organic matter remineralization continental margin marine se EU1814

66.0	35.7	59.5	32.4	29.8	26.5	32.2	26.4	16.8	18.1	27.6
44.9	131.2	258.6	215.8	244.1	62.8	388.9	130.8	59.4	32.0	65.2
5189.1	3761.7	4903.0	5037.4	5323.0	4995.5	5550.9	4640.9	2229.5	1019.9	3530.5
38112.4	11690.1	11179.9	12104.1	11314.5	11119.8	12577.0	10009.9	14308.3	11070.0	14796.8
535.0	2578.9	3178.2	2689.4	2537.4	2522.2	3349.7	3031.3	3041.2	1458.0	3507.7
217.3	5878.7	6394.5	6611.3	5803.9	4796.9	8809.2	5346.6	2873.0	3559.4	5378.6
1368.5	6353.7	6967.9	7653.6	7464.2	6447.9	8696.6	6386.7	5513.8	5060.0	6210.4
381.9	795.9	1220.5	1400.0	886.7	1160.9	1018.5	1300.2	507.7	490.4	580.9
1806.1	8765.4	8647.2	9952.1	8141.0	8327.0	10847.9	7654.7	7782.9	6256.4	8102.0
21730.4	9369.7	8321.5	9713.6	10718.9	10434.5	10624.8	9511.4	10702.1	11367.7	11489.7
110.8	2718.2	3217.9	3898.4	2823.3	3322.1	3594.4	3500.6	1562.9	531.8	1846.2
228.0	4428.0	4798.8	4946.5	4548.3	4057.6	6792.4	4520.7	3087.9	4960.7	2997.2
719.0	5849.1	6435.9	7628.7	7353.0	6180.1	8141.1	7416.0	5620.8	3124.1	6369.5
8933.4	3755.6	3826.6	3771.0	4170.5	3739.7	4486.6	3737.0	4194.9	2391.3	4157.4
1195.8	3605.6	4413.1	4378.4	3441.2	3775.1	4272.5	4358.5	5115.8	2667.5	3725.3
50.9	73.5	204.6	219.1	96.6	103.6	161.9	196.0	54.2	49.1	124.5
7008.3	4479.2	5498.4	6393.1	6535.5	5297.8	6752.2	5584.1	5181.0	7006.9	5392.5
51.4	2107.1	4669.8	6154.6	2751.7	2561.1	2988.8	4441.7	546.6	830.5	2378.9
2543.9	4360.7	4129.5	4352.6	4245.8	3939.1	5216.8	4346.4	6828.4	6229.6	3807.7
45.8	23.0	15.0	18.4	18.0	13.2	12.2	16.7	21.5	15.0	19.6
28.4	80.8	31.7	59.5	64.4	84.6	25.3	78.8	22.2	45.2	28.2
49.6	129.8	225.3	229.6	242.6	505.8	253.4	153.1	55.2	233.3	102.1
289.0	3761.2	4830.2	4437.3	5422.5	3207.7	6195.5	3812.1	1708.5	2067.7	2871.9
2366.5	5057.4	5487.4	6782.0	7018.4	5469.7	7200.3	5694.9	3756.3	5491.7	4197.8
798.7	3627.8	4410.0	4279.6	3938.3	3696.1	4504.8	4683.0	2898.6	1504.2	3101.1
7012.9	6785.7	6651.7	7355.3	7592.2	6761.1	8578.5	7138.8	6533.1	5431.9	8389.6
2211.5	7292.1	7603.6	8477.4	9234.2	8099.8	9349.0	6939.6	4443.4	3077.2	6378.4
400.1	3092.3	3604.1	3735.2	5069.8	2802.5	5136.0	3163.0	1616.2	1208.6	1657.3
645.6	2846.3	3652.2	4154.8	3768.4	2660.0	5123.8	3409.4	2597.0	1103.5	2634.3
1005.8	7414.9	8121.1	8925.0	10345.5	7448.0	10944.8	6750.4	4392.3	2226.0	5754.7
68.8	663.8	829.5	767.8	582.0	491.2	571.4	843.6	216.6	394.7	334.6
100.9	1150.4	1269.9	1176.3	1767.3	1043.4	1985.1	1313.1	627.2	615.0	756.3
354.9	4300.9	4728.6	4758.1	5567.0	3628.5	6273.0	3183.2	2429.7	994.0	3501.0
4293.3	9815.6	9750.0	10910.6	11071.4	9032.8	11991.1	8575.4	8495.5	4411.2	9921.9
8533.8	6532.8	6186.9	6938.7	7679.6	6500.7	8326.3	7263.9	8930.0	6052.3	7435.1
242.5	3960.7	5937.6	7258.2	5623.2	4035.6	5760.1	5462.6	2554.2	1495.0	3575.7
3502.0	6058.1	6513.1	7624.1	7434.7	6824.8	9338.2	6932.0	3217.2	3722.9	5300.0
15382.3	9119.7	9336.4	10805.2	11473.5	8798.7	12898.0	8502.1	8821.3	5643.4	10137.2
40.8	202.1	194.3	207.1	276.9	131.5	257.9	163.2	83.6	51.6	59.9
2480.4	3207.0	3677.8	4001.4	4592.3	3406.7	5024.4	3383.7	2698.9	1819.8	2834.5
449.4	6176.1	6733.0	7528.5	7703.3	5305.5	8255.4	6583.1	4198.1	2393.5	5948.5

29.8	30.8	37.6
79.6	100.8	138.3
3908.1	3242.6	6288.7
9256.0	10176.1	10599.0
2355.7	2546.6	2851.3
4311.8	4363.7	6451.0
5934.6	7031.1	8146.9
868.0	1330.2	955.1
7391.3	8047.4	9903.4
9548.9	11318.2	10853.9
3001.8	3321.6	7374.8
4345.0	3097.0	4315.9
6787.9	7401.1	8400.0
3131.6	4375.2	4126.1
3689.5	6016.4	5708.2
78.0	248.3	875.8
4963.3	6453.8	6166.4
1949.9	2363.0	3921.9
4641.9	5343.8	4200.7
15.6	16.9	17.3
57.3	24.1	19.1
487.0	290.5	442.0
3216.0	3698.0	6029.0
5033.7	6417.7	7629.1
3702.9	4869.7	4083.5
7949.0	6787.6	7421.6
6109.1	7577.4	10583.6
2862.9	2885.2	3714.1
3029.4	3128.2	3817.6
6056.6	6524.3	9151.5
628.1	768.4	998.8
1379.7	1394.6	1278.8
2855.4	3431.6	5129.9
8402.3	8178.0	11175.5
6840.0	7293.3	7891.9
3820.7	4608.3	5588.6
5950.8	6920.6	9527.4
8194.2	9546.0	12018.0
113.4	137.6	202.9
3138.5	4808.9	5543.4
5791.4	6515.7	8255.0

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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
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o__Desulfobacterales	f__Nitrospinaceae
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o__Desulfovibrionales	f__Desulfohalobiaceae
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s__D168	57480
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s__Desulfovibrio africanus	57109
s__Desulfovibrio alaskensis	57320

AY592130.1 gg_id:100278 marine ANAMMOX sediment clone AY592130 AY592
FJ755771.1 gg_id:586023 vertical archaeal water and Lake Taihu sediment clone LT-SB-B77 FJ7557
X99235.1 gg_id:10401 Desulfohalobium retbaense str. HR100 (DSM 5692T) X99235
U48244.1 gg_id:10400 Desulfohalobium retbaense str. DSM 5692 U48244
EU296539.1 gg_id:241507 Desulfonatronospira aceticus str. AHT 6 EU2965
X99234.1 gg_id:10404 Desulfonatronovibrio hydrogenovorans str. Z-7935 (DSM 9292T) X99234
GU196828.1 gg_id:557238 Desulfonatronovibrio sp. str. AHT21 GU196
EF644847.1 gg_id:299192 genes and citrate lyase deep-sea microbial MAR Rainbow hydrothermal vent system EF6448
AF524933.1 gg_id:74638 Desulfonauticus submarinus str. 6N AF5249
FJ194951.1 gg_id:329685 Desulfonauticus sp. str. DSM 4206 FJ1949
EU245681.1 gg_id:241136 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M4-F1(EU2456
DQ103666.1 gg_id:136882 hypersaline endoevaporitic microbial mat clone E6bG07 DQ103
EU245471.1 gg_id:253107 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M2-A0: EU2454
EU245401.1 gg_id:237109 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M1-C0: EU2454
AB264617.1 gg_id:167257 Desulfothermus okinawensis str. TFISO9 (= JCM 13304 = DSM 17375) AB2646
NR_025378.1 gg_id:537936 Desulfomicrobium orale str. DSM 12838 NR_025
AY464939.1 gg_id:100488 Desulfocaldus terraneus str. P6.2 AY4649
DQ069204.1 gg_id:130717 gold mine clone MAB25 DQ069
AJ277886.1 gg_id:33526 Desulfomicrobium escambiense str. DSM 10707T AJ2778
DQ069227.1 gg_id:128063 gold mine clone SRB5 DQ069
Y14594.1 gg_id:10408 Desulfonatronum lacustre str. z-7951 Y14594
AY725424.1 gg_id:103231 Desulfonatronum cooperatoris str. Z-9799 AY7254
GQ863488.1 gg_id:550045 Desulfonatronum sp. str. HSRB-L1 GQ863
DQ088749.1 gg_id:129416 subsurface clone BE325FW032701CTS_hole1-63 DQ088
GQ493712.1 gg_id:546485 Effect Diet on Human Gut Microbiome: Metagenomic Humanized Gnotobiotic Mice GQ493
FJ363013.1 gg_id:361170 feces adult twins and mothers; TS148 clone TS148_a01h07 FJ3630
AY978908.1 gg_id:121944 human transverse colon mucosal biopsy clone NG04 AY9789
EF602909.1 gg_id:230078 Salmonella typhimurium Exploits Inflammation Compete Intestinal Microbiota mous EF6029
EU454891.1 gg_id:305445 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K77S EU4548
EU505347.1 gg_id:258794 cecal contents Mus musculus strain C57BL/6J; myd4 clone myd4_aaa02h11 EU5053
EU452762.1 gg_id:309442 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone K80N EU4527
EF096212.1 gg_id:180715 mouse cecum clone obob1_aaa02f06 EF0962
AY993240.1 gg_id:129830 mouse cecum clone C21_k13 AY9932
EF097816.1 gg_id:184560 mouse cecum clone SWPT20_aaa04c06 EF0978
AY991087.1 gg_id:131193 mouse cecum clone C13_O03 AY9910
EU455583.1 gg_id:344389 Innate immunity and intestinal microbiota Type 1 diabetes mouse cecum clone H77S EU4555
EF097361.1 gg_id:199580 mouse cecum clone SWPT19_aaa01e10 EF0973
DQ071477.1 gg_id:234242 microbial cecum captive and free-living capercaillies (Tetrao urogallus) clone TuCc14 DQ071
DQ308598.1 gg_id:148623 sheep rumen enrichment clone 196.G06 DQ308
EU659693.1 gg_id:283392 Desulfovibrio africanus str. SR-1 EU6596
DQ365927.1 gg_id:154031 Desulfovibrio alaskensis str. IMP-7760 DQ365

8048.4	5921.3	5656.3	6027.3	5001.9	5654.9	7710.4	5286.1	5937.5	6622.2	6561.4
872.8	3864.5	6256.3	6976.6	5602.9	4037.1	4793.7	6118.3	3266.4	1253.8	4156.8
87.3	400.1	325.7	383.1	346.8	409.9	349.4	562.6	121.8	95.3	217.1
7299.5	3835.2	4107.0	4202.0	2980.6	3650.7	4312.6	4727.5	5930.2	5786.5	4689.8
4861.3	6520.9	5345.2	5855.7	6550.4	5714.9	6683.7	5675.7	4382.7	2261.9	4816.6
67.5	1047.8	1658.1	1438.3	782.8	1403.3	1210.2	4334.6	1414.2	156.7	786.6
3397.2	7522.9	7788.9	8509.7	6880.1	6876.1	7207.0	6976.7	6594.5	6537.5	7620.1
3922.4	7487.7	8016.2	7600.3	8460.0	8852.4	8472.1	7559.8	6950.8	8034.8	6186.7
54.1	44.4	48.7	55.1	59.6	45.9	48.8	48.5	49.7	27.8	37.5
1063.3	4686.9	5783.8	6157.6	6650.9	5143.1	7499.9	5398.9	2899.8	1838.0	3866.8
451.7	4020.6	4966.0	5126.7	5516.2	4685.2	6326.3	4804.9	2410.1	4288.1	3497.6
5914.3	2440.3	2443.8	2709.2	3013.1	3256.7	3340.2	3066.5	2439.4	1008.8	2425.0
2038.2	7070.6	7286.0	9343.3	9055.1	8054.1	10301.0	7752.5	6878.7	3951.8	9264.7
3031.1	4372.3	3958.9	4845.7	4855.5	4489.1	5518.9	4405.8	2042.9	1412.2	3746.9
39.5	47.8	68.2	78.9	75.8	51.7	93.9	63.4	39.2	30.9	38.4
1586.2	1073.7	1486.1	1239.6	1520.5	1170.4	1701.6	1452.5	746.7	504.1	848.2
5298.8	8582.6	8770.7	9625.2	9992.8	9531.6	10482.8	9227.7	9069.4	6702.6	9462.4
17093.9	13191.1	13557.5	13925.4	12852.2	12590.8	13861.9	11910.8	20686.3	16988.7	16425.9
861.0	2652.8	2503.6	2646.8	2760.5	2011.0	3853.6	2042.2	1030.5	955.9	1720.7
3419.2	2605.2	1789.9	2046.1	2438.6	2293.4	3232.3	2349.2	1026.0	945.0	1342.6
38.0	35.9	51.5	49.9	33.4	41.5	46.8	33.1	23.4	19.0	31.8
338.1	1643.7	2019.7	2244.0	2733.6	1938.6	3294.5	2021.6	899.6	482.1	1287.9
1675.0	4253.7	5168.9	5087.8	5538.9	4963.1	5551.6	4269.0	3113.6	3582.6	4094.0
121.6	2785.3	2833.8	3252.7	3336.5	2788.6	4096.2	2974.8	1569.8	1076.4	2204.3
949.7	4883.9	5991.4	5453.8	5333.0	6858.3	5185.0	5686.6	4215.1	10694.3	4285.3
1942.6	2110.1	2622.2	2621.4	2411.7	3045.5	2640.0	3332.1	1846.8	5936.5	2019.2
329.4	2370.1	2877.5	2296.9	2171.6	2671.5	2410.6	2232.9	1439.0	2266.0	1293.2
38.7	187.3	215.0	253.4	133.5	142.7	169.7	340.5	144.3	43.5	102.6
1237.3	4653.1	4747.4	4650.4	4967.9	4070.1	6420.7	3688.8	3974.9	4460.5	4541.5
698.5	2401.3	2456.7	2182.3	2581.9	2077.6	2571.2	2432.5	1774.0	1441.3	2170.6
15279.8	7978.0	7583.4	8569.6	7980.7	7408.2	8889.9	7420.1	10288.5	7098.8	10224.4
13686.3	7706.0	7894.4	8411.4	8312.0	7596.1	9235.1	7995.9	8775.7	7718.0	9576.6
472.1	3497.9	3390.7	3497.6	3606.3	3481.5	3985.6	3195.9	2641.0	2249.1	2926.7
447.0	4953.7	4845.2	4468.2	4250.7	3839.3	5059.5	4946.3	5541.5	2223.8	4124.8
1588.6	2559.3	2487.4	2676.9	2825.6	2526.3	3394.6	2573.9	1681.3	1474.5	2456.8
9209.9	6799.8	7255.8	7775.6	6739.8	6539.7	7842.5	6433.7	8393.2	6296.8	9150.3
660.5	1832.9	1907.5	1933.8	2121.1	2322.6	2731.1	2488.4	1349.7	2440.6	1973.4
32.7	20.3	37.0	26.3	26.0	25.5	37.1	24.4	17.8	16.8	24.1
20.9	273.8	250.2	300.7	263.7	186.0	230.7	304.3	150.3	84.2	169.0
941.9	795.1	654.0	693.1	598.2	877.3	663.5	727.8	401.7	381.1	516.3
2796.0	2940.6	2739.5	3252.3	3746.1	2805.0	4313.3	3076.2	1724.4	1455.4	2324.9

4923.9	6488.0	7003.2
4475.9	4815.4	3465.8
395.5	573.2	749.3
3378.8	5150.8	3490.8
5890.0	5689.6	6149.8
4072.5	1326.2	1084.7
7579.2	6199.2	7182.3
6690.3	7854.3	9173.4
48.3	52.9	49.0
4782.5	5490.3	6946.4
4982.5	4354.8	6370.0
2754.3	3251.8	4294.3
7571.3	7066.7	9279.3
4884.3	3807.6	5593.7
55.6	76.5	87.5
1002.0	1399.2	2230.7
8344.2	8982.8	9336.0
12140.4	13332.7	13353.2
2141.4	2193.4	4116.1
2155.2	2654.1	4000.9
28.3	38.1	46.5
1811.1	2624.6	2997.3
4303.6	5105.9	5314.9
2762.9	2805.3	3033.2
6920.9	5762.6	5856.8
2814.0	3359.1	3202.5
3086.7	2263.4	3004.3
317.1	248.3	484.6
3735.1	4354.4	6866.6
2409.3	2793.9	2878.5
7744.2	8134.6	7984.7
7524.8	8646.6	9418.9
3295.1	3768.9	3951.8
4759.1	4640.7	4831.3
2264.1	3333.2	3099.8
6146.3	7859.4	6855.1
2363.6	2156.9	2533.9
21.3	22.5	22.2
1259.7	317.0	197.1
836.2	718.8	891.5
3095.0	2693.3	4478.0

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o__Desulfovibrionales	f__Desulfovibrionaceae
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s__Desulfovibrio aminophilus	56732
s__Desulfovibrio aminophilus	57198
s__Desulfovibrio bastinii	56460
s__Desulfovibrio bastinii	56657
s__Desulfovibrio capillatus	57274
s__Desulfovibrio cavernae	56859
s__Desulfovibrio dechloracetivorans	57137
s__Desulfovibrio dechloracetivorans	57405
s__Desulfovibrio dechloracetivorans	57771
s__Desulfovibrio desulfuricans	56464
s__Desulfovibrio desulfuricans	56640
s__Desulfovibrio desulfuricans	56805
s__Desulfovibrio desulfuricans	56853
s__Desulfovibrio desulfuricans	57107
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s__Desulfovibrio desulfuricans	57212
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s__Desulfovibrio desulfuricans	57396
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s__Desulfovibrio desulfuricans	57709
s__Desulfovibrio halophilus	56766
s__Desulfovibrio indonesiensis	56965
s__Desulfovibrio magneticus	56592
s__Desulfovibrio mexicanus	57614
s__Desulfovibrio putealis	56948
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s__Desulfovibrio salexigens	56541
s__Desulfovibrio senezii	56493
s__Desulfovibrio sulfodismutans	57162
s__Desulfovibrio vulgaris	57465
s__Ecwsrb050	56914
s__unclassified	56415
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s__unclassified	56488
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AF423185.1 gg_id:34507 Toluene-degrading methanogenic consortium clone Eub 5 consortium AF4231
EU251185.1 gg_id:248227 Desulfovibrio sp. str. ds2-2 EU2511
U53462.1 gg_id:10445 Desulfovibrio bastinii str. SEBR 4225 U53462
NR_025766.1 gg_id:533801 Desulfovibrio bastinii str. SRL4225; DSM 16055 NR_025
FJ024714.1 gg_id:330860 Copper affects reduction and genetic enriched sulfate reducing coastal sediments exp FJ0247
DQ109922.1 gg_id:142678 Sulfate-reducing mats: Changing paradigms new discoveries salt pond nonlithifying DQ109
AY281345.1 gg_id:87605 Desulfovibrio sp. str. ANP3 AY2813
U85475.1 gg_id:10430 Desulfovibrio sp. str. BG50 U85475
AF230530.1 gg_id:30839 Desulfovibrio dechloracetivorans AF2305
FJ823871.1 gg_id:516368 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8238
GQ503772.1 gg_id:577487 uranium mine tailing pond inlet water clone Jdgsrb019 GQ503
GQ503807.1 gg_id:585949 effulent treatment plant inlet clone Jdgsrb054 GQ503
AF098671.1 gg_id:10516 Desulfovibrio desulfuricans AF0986
AJ295680.1 gg_id:74474 Desulfovibrio intestinalis str. JG-G12 AJ2956
DQ526427.1 gg_id:160710 Desulfovibrio desulfuricans str. EFX-DES DQ526
GQ503792.1 gg_id:591259 uranium mine tailing pond inlet water clone Jdgsrb039 GQ503
GQ503771.1 gg_id:577327 uranium mine tailing pond inlet water clone Jdgsrb018 GQ503
GQ898871.1 gg_id:572458 strain Desulfovibrio enrichment medium DSMZ 163 inoculated water Jaduguda Urar GQ898
GQ503812.1 gg_id:539624 effulent treatment plant inlet clone Jdgsrb059 GQ503
GQ503798.1 gg_id:564326 uranium mine tailing pond inlet water clone Jdgsrb045 GQ503
FJ823874.1 gg_id:530538 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8238
FJ823870.1 gg_id:521886 Controlling accumulation fermentation inhibitors biorefinery recycle water microbial FJ8238
AJ544687.2 gg_id:80009 Desulfovibrio brasiliensis str. LVform1 AJ5446
NR_025977.1 gg_id:570680 Desulfovibrio gabonensis str. SEBR 2840; DSM 10636 NR_025
AP010904.1 gg_id:384156 Desulfovibrio magneticus str. RS-1 AP0109
AJ582758.1 gg_id:96567 Desulfovibrio ferrireducens str. CY2 AJ5827
GU139267.1 gg_id:542453 lactate formate propionate hydrogen donors reductive dehalogenation trichloroeth GU139
GQ402775.1 gg_id:567650 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
EF562565.1 gg_id:235762 stable microbial consortia capable degrading complex organic matter paper pulp colu EF5625
NR_029118.1 gg_id:592620 Desulfovibrio putealis str. B7-43; DSM 16056 NR_029
CP001649.1 gg_id:516164 Desulfovibrio salexigens str. DSM 2638 CP0016
AF050100.1 gg_id:10448 Desulfovibrio senezii str. CVL; DSM 8436 AF0501
AY340820.1 gg_id:91518 sulfate-reducing fluidized-bed reactor clone SR_FBR_E5 AY3408
X86689.1 gg_id:10505 Desulfovibrio sp str. DMB X86689
GQ898881.1 gg_id:585282 strain Desulfovibrio enrichment medium DSMZ 163 inoculated water East Calcutta v GQ898
AB062810.1 gg_id:23507 termite gut homogenate clone BCf11-19 AB0628
GQ502605.1 gg_id:582695 Effects Geographic Location on Formosan Subterranean Termite (FST) gut clone Cf6- GQ502
X95230.2 gg_id:10429 Desulfovibrio aespoeensis str. Aspo2 X95230
Y18049.1 gg_id:10442 Desulfovibrio zosterae Y18049
EU885150.1 gg_id:327333 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AB2 EU8851
FM178807.1 gg_id:351705 Monitoring abundance and expression 'dehalococcoides' species chloroethene-redu FM178

3672.4	3860.5	4608.8	4723.2	4312.3	3872.9	5608.7	4019.9	4973.9	2374.9	4260.8
40.7	164.5	255.8	324.7	159.2	211.3	140.6	495.0	69.7	28.5	117.6
77.6	1640.7	2191.0	1806.1	1633.1	1752.2	1998.9	1638.7	427.9	319.1	1151.5
365.0	376.4	472.5	382.2	315.1	359.6	470.3	318.6	341.1	629.5	351.0
12878.7	5541.4	5345.4	6252.1	6728.4	4919.9	6819.7	5031.3	3934.4	3366.2	5413.7
38.5	378.1	795.6	573.9	756.9	534.7	673.7	484.2	233.3	63.6	238.5
810.9	2975.9	3162.5	3377.0	3509.3	2876.6	3997.9	3099.4	2349.6	1422.7	2115.7
122.7	2000.6	2640.6	2598.1	2015.1	2642.2	1763.8	3416.5	1045.1	2181.9	1238.9
11861.3	7049.7	7295.2	7640.0	7629.6	6761.9	8329.5	6747.0	10629.9	8938.1	9062.3
3020.1	3816.5	4051.1	4207.9	4210.9	3604.0	4894.2	4524.9	5525.0	4547.0	3822.7
197.4	2234.6	2859.7	3432.5	3384.0	2492.5	5645.1	3232.5	1429.0	609.2	2069.9
49.4	246.2	540.1	351.9	79.5	109.5	131.2	115.3	46.1	39.5	118.8
169.5	4037.7	5021.4	5602.0	4992.7	4648.0	7024.2	4748.5	2015.6	2625.2	3790.3
4014.6	6530.7	6645.2	6788.6	6868.0	5983.6	7700.5	6397.9	5673.3	3421.4	5040.6
122.6	1710.5	1965.0	2379.9	2128.2	2074.7	3385.1	1859.1	650.0	415.0	2187.5
7905.5	2140.7	2097.8	2303.3	1906.4	1757.7	1948.4	1908.4	2457.0	2277.3	3211.4
5102.8	4461.2	4947.8	4872.1	4790.0	4378.1	4678.6	5013.5	6898.4	5669.3	6004.6
671.4	3867.5	4393.7	4728.9	4053.5	4015.4	4739.5	5069.8	4127.4	2559.7	4347.4
3229.4	2494.6	2626.2	2745.6	2451.3	2507.7	2532.3	3311.0	4891.1	3441.5	3557.0
13504.4	8127.3	8192.5	8908.4	8182.6	7636.8	8486.8	8345.3	12455.9	9742.9	10004.7
6705.5	6571.7	6726.3	7829.9	7739.9	7003.3	7716.2	8136.7	8834.5	7430.0	8399.4
255.6	1651.3	1575.7	2026.3	2754.0	1678.4	2234.8	2134.3	1005.7	669.2	1275.9
40.2	486.8	552.2	578.9	708.1	673.0	540.3	450.4	232.5	227.2	192.7
57.4	582.0	464.2	270.8	524.6	327.8	1404.7	367.8	73.7	73.7	145.3
2391.3	5602.5	6082.6	6820.4	7398.2	5750.9	7978.3	5030.4	4404.6	3733.5	5192.8
92.6	3130.6	4480.8	5682.5	3822.6	4072.8	5825.0	2996.5	1154.4	476.7	2735.5
13709.3	7519.2	6548.6	4932.9	7420.2	6920.2	6878.3	5940.3	9718.7	7039.8	9003.3
7887.4	3791.6	4551.8	5871.6	5151.6	5036.3	6245.0	4720.2	1979.9	1558.6	4265.7
2190.8	8048.7	8628.0	10191.0	9520.5	8602.5	10471.4	8143.1	7986.1	7407.2	8295.2
61.9	1633.8	1864.1	2603.4	2609.2	2357.1	2988.4	1583.7	383.3	274.6	1172.9
2401.3	2180.0	2564.5	2874.2	2998.6	2369.5	3739.5	2875.4	1294.9	1511.8	1909.8
34.7	75.6	122.5	84.2	109.7	142.2	90.3	114.5	32.9	18.2	34.9
46.3	224.8	346.6	269.3	130.1	119.7	247.5	247.7	79.5	80.0	155.7
344.1	2127.4	2117.9	2768.7	3812.3	2226.4	3125.7	1876.3	1271.1	1725.2	1735.9
623.5	2294.4	1770.4	1914.1	2032.8	2132.7	2635.5	2083.6	1815.6	867.8	1286.2
9149.1	5695.3	5382.6	6432.7	4930.6	4847.8	7217.6	4238.3	7576.1	4578.1	9599.2
1038.5	2216.5	2472.4	2592.0	2997.3	2321.3	4375.1	2423.9	1816.1	2251.1	2421.3
787.4	2548.4	2132.1	2415.8	2466.8	2251.2	2941.4	2537.6	1853.3	1104.0	1683.9
42.7	347.4	694.8	383.7	497.8	501.6	360.7	937.8	331.9	322.9	320.2
902.9	4073.8	4364.4	5120.6	4712.2	4112.0	4750.4	5065.0	3162.1	1624.5	3128.4
56.3	2256.4	3628.4	3572.4	2952.8	2791.7	3548.7	2779.7	901.4	622.4	1850.4

4025.2	4447.1	4594.5
132.0	260.0	569.8
1580.9	1903.5	2358.3
335.4	606.5	551.1
5136.5	5305.8	6424.7
410.8	589.9	877.9
2876.8	3044.1	4648.4
3852.5	3357.6	4030.6
7118.0	7912.5	7340.6
4182.3	5455.5	4259.2
2910.5	2996.1	4080.1
318.7	237.7	476.9
5447.6	4627.7	5491.6
5146.6	5642.5	8629.4
3426.0	1370.4	2888.6
2146.0	2811.6	1754.1
3973.8	4902.1	4067.4
5361.8	4642.7	5843.9
2717.8	2843.6	2229.7
7511.5	7937.9	7777.6
6693.3	7711.4	7503.9
1772.6	2042.6	2502.4
505.7	612.6	674.9
214.2	352.3	605.9
4912.9	5119.4	6354.1
4349.9	1866.2	3803.6
5664.5	7028.4	6386.9
4044.2	4484.5	4815.1
8249.0	9069.5	10493.0
1427.8	1286.9	2665.0
2435.3	2658.3	3353.4
96.8	107.2	53.0
105.0	209.1	308.3
2052.1	2320.6	2885.0
2052.0	2784.5	3636.6
4626.4	4581.1	5386.8
2123.1	2663.6	3946.6
2630.5	2719.1	3448.1
762.4	551.6	768.2
4514.4	5285.0	5739.0
2615.8	2071.3	3564.1

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EU885151.1 gg_id:331480 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AB3 EU885
GU174149.1 gg_id:558603 Microbial Bactrian camel estimated rumen clone XJC38 GU174
EU885102.1 gg_id:304312 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone A3C12 EU885
EU885154.1 gg_id:337642 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AF9 EU885
FJ225426.1 gg_id:364203 Desulfovibrio sp. str. H1 FJ2254
EF577029.1 gg_id:264685 Desulfovibrio defluvii str. RB22 EF5770
FJ440030.1 gg_id:510683 Megamonas hypermegale colonization correlates Campylobacter jejuni exclusion pou FJ4400
AM418397.1 gg_id:179230 Desulfohimalaya abdulkalamii str. pwc AM418
AY746987.1 gg_id:100353 Desulfovibrio oxyvorans str. DvO5 AY7469
FJ172813.1 gg_id:354049 Qinghai Yak Ruminal and Fungi China rumen clone RB-4C1 FJ1728
EU850487.1 gg_id:319780 Genetic swamp buffalo (Bubalus bubalis) rumen fluid clone BF252 EU850
EU245278.1 gg_id:257276 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-H5-B11 EU2452
EU885153.1 gg_id:316313 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AB12 EU885
U90726.1 gg_id:10427 Desulfovibrio profundus str. DSM 11384 500-1 U9072
AF053752.1 gg_id:10462 Desulfovibrio burkinensis str. HDv; DSM 6830 AF0537
EU775070.1 gg_id:308451 Francois Langur feces clone FL_2aaa02h01 EU775
AB234535.1 gg_id:147874 termite gut homogenate clone MgMjR-025 AB2345
AB192287.1 gg_id:141741 termite gut homogenate clone RPK-26 AB192
AF056091.1 gg_id:10518 Desulfovibrio sp. str. UNSW3caefatS AF056
NR_026303.1 gg_id:562366 Desulfovibrio vietnamensis str. G3 100 ID95-371 NR_02
AB470954.1 gg_id:536904 Desulfovibrio sp. str. r49 AB4709
EU885140.1 gg_id:350456 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone A2C5 EU885
EU885104.1 gg_id:348053 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone A3G4 EU885
AY649785.1 gg_id:102334 Desulfovibrio alkalitolerans str. RT2 AY6497
CP000112.1 gg_id:143024 Desulfovibrio desulfuricans str. G20 CP000
FJ655908.1 gg_id:558435 Desulfovibrio sp. str. I9 FJ6559
FJ202471.1 gg_id:305033 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k FJ2024
AF053751.1 gg_id:10470 Desulfovibrio alcoholovorans str. DSM 5433 AF0537
AF192152.1 gg_id:51535 Desulfovibrio piger str. ATCC29098 AF192
U53464.1 gg_id:10452 Desulfovibrio gracilis str. SEBR 6116 U53464
EU616635.1 gg_id:321186 digestive-tract microbiota Hirudo orientalis european medicinal leech Desulfovibrio (EU616
DQ447183.2 gg_id:156761 Desulfovibrio gigas str. DSM 1382; ATCC 19364 DQ447
EU885143.1 gg_id:335081 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AB10 EU885
AY726757.3 gg_id:107875 Desulfovibrio sp. SB1 AY7267
DQ422859.1 gg_id:161406 Desulfovibrio bizertensis str. MB3 DQ422
AF371871.1 gg_id:30569 swine intestine clone p-2918-6C5 AF3718
EU885152.1 gg_id:341908 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone AE3 EU885
EU885101.1 gg_id:322341 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone A3F9 EU885
AJ132721.1 gg_id:111852 deep-sea hydrothermal chimney clone CHA3-114 AJ1327
NR_025038.1 gg_id:564993 Desulfovibrio inopinatus str. HHQ 20; DSM 10711 NR_02
AY274444.1 gg_id:104557 Desulfovibrio sp. str. HS2 AY2744

609.6	3234.7	3529.3	3946.5	2830.6	3520.3	3056.1	4661.4	2121.6	1699.0	2539.3
355.4	7108.6	5037.6	6551.0	6703.5	5654.2	7875.9	5896.9	3232.6	2838.3	6817.4
223.5	2016.3	2789.4	2557.7	3568.2	2463.7	2862.3	2445.2	768.6	1041.7	1370.1
2708.2	5896.7	5608.8	6202.5	4833.3	5163.5	5220.0	5201.9	4849.9	3876.5	5931.8
17165.0	9302.9	8790.7	9645.4	10056.5	9104.6	10434.8	9387.5	11015.0	9115.0	10942.9
3458.8	5192.9	5351.9	5769.4	6254.9	6237.7	6423.7	6199.9	3914.0	5516.1	4552.8
47.6	1662.5	1866.2	1991.5	2464.4	2194.1	3193.9	2081.1	732.2	461.6	1154.5
42.3	68.1	83.8	100.0	171.9	59.8	165.3	72.5	41.4	28.0	52.0
2259.1	4988.7	5267.6	5982.9	6366.6	5070.5	7167.2	4495.7	3690.4	2638.2	4504.8
8942.4	5503.5	4966.0	5794.8	5516.1	4687.1	5408.9	5178.1	6449.8	5694.6	8275.9
3519.4	6453.0	6761.9	6986.3	7771.2	6403.9	7930.8	6155.3	4718.6	3013.0	5917.4
88.1	403.2	474.7	367.6	982.1	514.6	616.2	551.5	191.7	92.5	248.5
2570.4	6589.1	6339.6	7065.9	7599.8	5740.8	8800.1	6955.7	3752.9	3450.4	5389.0
357.1	1850.3	1788.7	892.0	2453.0	1892.5	2297.4	2506.9	1245.5	916.0	1273.4
82.0	3375.8	3643.2	5222.3	4855.3	3424.9	7388.2	3315.8	1521.0	460.4	2131.7
49.7	301.8	610.7	409.9	463.6	368.5	419.3	470.7	126.0	47.9	239.8
1892.5	4241.2	4193.6	4258.8	4325.7	4021.8	4670.9	4486.7	4696.0	3598.9	5847.7
35.3	542.5	748.7	718.6	1090.3	784.7	754.3	456.1	92.6	66.7	188.0
114.2	213.9	423.8	485.0	376.1	281.1	724.4	424.7	137.9	111.7	173.0
1032.5	7320.5	7399.0	8679.5	7656.8	6951.7	9026.1	7240.2	4879.7	2810.0	7392.1
2895.3	3930.9	4059.6	5096.8	4730.6	3984.4	5387.8	5150.2	3163.3	1263.5	2833.0
5731.3	8560.9	6007.8	6915.2	6167.4	5934.8	6658.6	6286.7	8040.3	5524.4	7065.5
194.3	3231.7	3775.7	3280.0	4086.5	3673.7	3337.6	3552.0	2030.0	1070.1	2720.2
31.8	69.6	66.8	73.2	80.8	55.5	115.4	75.9	49.3	25.6	46.5
141.5	2012.0	1946.6	2814.1	1956.1	1979.8	2492.0	2065.2	715.1	401.0	1307.7
38.9	127.0	136.1	143.5	120.0	119.2	144.9	193.9	122.5	40.7	103.3
103.2	526.9	645.1	705.5	921.1	559.7	594.7	765.0	440.4	317.2	420.2
1548.8	6685.0	6984.3	8367.3	8614.7	6976.5	9378.1	6764.4	5485.0	4212.3	5430.2
47.1	519.8	530.6	581.7	1032.0	587.5	914.5	569.2	146.7	70.9	355.1
3409.1	4314.4	4118.6	4472.1	4355.9	4053.6	4584.1	3755.2	2955.7	2032.8	3212.7
4373.4	2777.9	3157.4	3231.8	4214.9	3233.5	4531.0	3276.1	1726.8	1177.5	2297.7
37.3	586.4	780.1	1220.5	576.4	576.4	1234.6	534.1	142.5	124.5	351.4
4387.9	7402.1	6660.6	7866.1	9017.6	6558.3	8783.2	8306.5	4875.3	4071.3	6992.6
139.2	1175.6	1194.0	1210.5	1428.4	1309.2	1344.7	1194.7	1883.2	191.0	747.3
34.0	39.3	47.2	74.2	44.3	50.5	47.6	44.5	23.0	21.6	21.5
47.4	43.3	34.0	39.9	45.3	38.9	40.5	42.4	27.6	27.1	37.8
4776.5	4090.3	3691.1	4221.7	2954.0	3693.9	3636.8	4411.7	3918.9	1310.0	4389.7
3382.8	5079.4	5254.6	6343.4	7492.2	5616.2	7663.6	5963.7	3499.0	5159.5	5195.9
57.3	506.3	423.5	476.0	371.3	466.7	310.8	501.1	282.8	339.6	252.1
40.8	377.7	517.7	426.8	733.9	366.8	757.8	581.8	199.4	143.4	214.3
928.9	2832.1	3031.0	3391.9	3468.6	3174.5	4088.4	2904.2	2403.5	1400.3	2042.5

4313.0	3707.6	3314.0
5968.8	4683.4	7480.8
2283.9	2717.2	3009.8
5262.4	5121.7	5482.6
9375.8	10087.9	10025.9
5078.5	6021.8	5856.6
2022.2	1642.2	2272.3
59.5	111.5	100.0
4113.2	4054.6	5434.3
5188.5	5840.6	6013.6
6250.8	5613.0	8921.6
395.8	931.9	904.5
5595.2	6224.3	7692.1
2476.1	2388.1	4002.4
3555.8	2102.2	4067.7
377.3	393.6	446.7
3713.7	4159.0	4902.3
612.2	566.0	1177.5
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7118.4	7185.0	9674.4
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5588.0	5664.9	6775.2
3131.8	2886.2	3140.2
99.2	89.4	89.5
2784.8	2076.0	3344.6
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561.5	733.7	538.2
6452.7	7179.7	8007.1
484.5	376.3	1033.5
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848.9	1667.0	2364.6
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325.1	420.7	889.3
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DQ186200.2 gg_id:243561 Desulfovibrio carbinoliphilus str. D41 DQ186
Y11984.3 gg_id:28397 Desulfovibrio alaskensis str. NCIMB 13491 Y11984
DQ841177.2 gg_id:195717 Desulfovibrio sp. str. AS36 DQ841
EF453987.2 gg_id:225093 termite hindgut clone 290cost002-P3L-1410 EF4539
AM947130.1 gg_id:270241 Desulfovibrio marrakechensis str. DSM 19337 AM947
CP001197.1 gg_id:529124 Desulfovibrio vulgaris 'Miyazaki F' str. Miyazaki F CP001
EF123506.1 gg_id:257510 Microbial disease microbial mats on Siderastrea siderea three regions wider Caribbea EF1235
U85468.1 gg_id:10463 Desulfovibrio sp. str. BG6 U85468
AF228128.2 gg_id:43170 Desulfovibrio sp. str. Pr1.2 AF2281
GQ502595.1 gg_id:585650 Effects Geographic Location on Formosan Subterranean Termite (FST) gut clone Cf6- GQ502
NR_025765.1 gg_id:576099 Desulfovibrio longus str. SEBR 2582; DSM 6739 NR_025
AY274449.1 gg_id:105315 Desulfovibrio ferrophilus str. IS5 AY2744
X95231.1 gg_id:10444 Bacterial sp. X95231
NC_008011.1 gg_id:159002 Lawsonia intracellularis str. PHE/MN1-00 NC_008
AY976442.1 gg_id:118641 human ascending colon mucosal biopsy clone LZ39 AY9764
GQ867364.1 gg_id:588730 and prevalence blaTEM genes Arctic seals colon content clone WSp127 GQ867
EU381557.1 gg_id:265414 Rumen eubacterial implicates Bacteroidetes major particulate phylum rumen liquid p EU3815
FJ833256.1 gg_id:572886 Microbial Ecology Crop Folivorous Hoatzin crop contents clone A3Q302_22F03 FJ8332
EU468458.1 gg_id:287520 okapi feces clone OK1_a06 EU4684
EU461101.1 gg_id:303251 red kangaroo feces clone KO1_aai44b11 EU4611
AB234532.1 gg_id:146574 termite gut homogenate clone MgMjD-084 AB2345
AB089110.1 gg_id:78137 termite gut homogenate clone Rs-N35 proteobacterium AB0891
AB192288.1 gg_id:143786 termite gut homogenate clone RPK-66 AB1922
X99501.1 gg_id:10486 Desulfovibrio sp. str. STL1 X99501
FJ374255.1 gg_id:365000 Inter- and intraspecific humivorous scarab beetle larvae (Pachnoda spp.) larval hindgu FJ3742
AB234538.1 gg_id:149936 termite gut homogenate clone MgMjR-064 AB2345
AB089109.1 gg_id:78006 termite gut homogenate clone Rs-M89 proteobacterium AB0891
EF454896.2 gg_id:220622 termite hindgut clone 290cost002-P3L-618 EF4548
X99504.1 gg_id:10485 Desulfovibrio sp. str. STL6 X99504
FJ374258.1 gg_id:361169 Inter- and intraspecific humivorous scarab beetle larvae (Pachnoda spp.) larval hindgu FJ3742
AB089105.1 gg_id:78148 termite gut homogenate clone Rs-K75 AB0891
AY532164.1 gg_id:137367 Desulfovibrio sp. str. ZIRB-2 AY5321
AB234531.1 gg_id:148238 termite gut homogenate clone MgMjD-065 AB2345
Y16942.1 gg_id:10572 Desulfurella propionica str. U-8 (DSM 10410) Y16942
Y16941.1 gg_id:10573 Desulfurella kamchatkensis str. K-119 (DSM 10409) Y16941
NR_026109.1 gg_id:566496 Desulfurella acetivorans str. A63; DSM 5264 NR_026
Y18292.1 gg_id:51780 Hippea maritima str. MH2T Y18292
FJ264595.1 gg_id:343915 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedime FJ2645
AB294284.1 gg_id:207880 Microbial structure deep coal seem groundwater clone YWB15 AB2942
AY062880.1 gg_id:38853 environmental electrode surface clone d14 AY0628
EU052251.1 gg_id:240954 degradation kinetics and current efficiency cells supplied anode microbial fuel cell fe EU0522

3277.7	5710.8	5998.2	6655.7	7051.1	5858.2	7909.1	5277.7	4720.8	3698.0	5619.6
2664.9	2230.8	2157.4	2506.5	2615.6	2134.0	3230.2	2638.8	1597.1	1180.3	1868.6
11237.8	5654.0	5724.5	7157.1	6748.3	5860.7	6573.4	6411.6	5174.0	3553.1	5475.9
36.8	30.0	38.0	38.2	32.1	20.6	35.3	27.4	28.3	20.7	29.8
2353.0	4457.0	4716.8	5178.1	5423.2	4498.4	6023.2	4163.8	3738.0	2784.7	4241.6
54.9	149.5	100.9	95.3	160.5	91.7	147.9	107.6	89.0	62.0	61.6
3714.1	3496.2	3275.3	4153.6	3994.9	3171.5	4418.5	3775.6	2405.7	2134.4	2674.5
10625.9	4461.5	4263.6	4660.6	5589.0	4403.3	5415.8	4210.1	2715.4	1717.5	3631.8
32.8	160.9	194.1	135.6	140.7	130.9	167.2	160.7	55.4	30.2	95.7
2698.6	7489.4	8224.7	7834.2	9213.2	6479.2	8222.2	6460.2	4554.0	2321.8	5261.7
2100.8	4334.1	4336.6	3447.1	4036.1	4313.4	4908.2	4252.6	3676.8	2541.2	3867.3
143.3	1830.2	2254.6	2813.6	3020.7	2515.7	3780.9	2484.4	925.8	1283.8	1418.4
649.1	745.3	580.2	981.3	785.7	921.6	1425.0	933.3	339.2	527.3	420.6
123.2	769.8	767.7	754.1	676.2	730.5	617.0	831.3	489.6	506.1	557.7
52.1	55.3	103.0	77.0	69.3	104.3	62.2	77.3	46.2	22.5	56.3
8712.6	5644.4	6731.2	7883.0	7212.2	6238.7	7567.8	6334.6	4293.1	3675.7	6022.0
1682.4	3111.3	3613.0	4057.6	4690.6	3309.6	3911.9	3319.7	2906.5	1197.3	2897.1
5064.5	3044.4	3379.8	3910.8	3008.4	3133.2	3055.3	3782.4	4040.5	1812.3	3472.8
11364.4	5053.4	5251.4	5780.3	6234.7	5190.6	7316.1	8359.9	5762.5	6319.2	8366.3
47.5	50.6	53.2	61.1	53.5	49.4	57.7	44.4	46.6	34.4	35.7
68.5	488.6	1648.5	2193.3	289.2	470.5	754.6	1067.6	353.3	206.6	1168.0
3745.6	4498.0	4650.5	5282.7	5936.5	4832.4	6607.9	5358.5	5459.4	3366.8	4321.0
37.0	42.9	337.8	335.7	376.9	51.7	185.4	90.4	39.8	20.2	50.3
73.8	140.7	328.8	243.4	125.8	88.0	113.9	268.4	66.1	65.0	130.8
363.2	1319.8	1568.9	1870.8	1567.4	1593.4	1470.4	1935.9	617.4	851.4	1040.6
43.9	51.8	64.3	62.3	53.0	53.8	52.6	75.8	28.1	24.8	29.2
298.9	1280.4	1061.2	1181.7	1510.7	1585.8	1358.3	1363.6	1414.5	713.9	892.3
187.4	1563.3	1831.9	1805.4	2129.0	1908.0	1986.4	1869.5	1776.6	1228.1	965.2
38.5	173.1	158.8	182.5	97.6	133.4	123.3	188.5	91.9	122.4	123.2
48.7	1627.6	2402.4	2238.6	2302.7	1770.7	2136.0	2282.4	830.7	1126.7	1565.3
35.9	59.0	118.7	59.1	49.6	103.8	48.4	56.2	30.8	43.4	44.4
36.9	105.4	283.5	302.3	81.3	182.3	120.2	180.0	50.7	22.0	170.2
48.9	132.8	111.0	127.9	115.4	143.8	119.1	107.5	59.2	42.3	63.2
16225.1	6544.8	7199.8	8637.1	6740.0	6641.7	8263.2	6406.1	9114.4	7429.4	9709.1
2391.8	2990.8	3280.9	3365.7	2962.2	3172.5	3077.0	3570.0	2547.2	1761.1	3689.9
16861.2	9501.6	10397.6	11244.0	9653.4	9284.2	10327.5	9911.9	11620.4	9103.3	11121.5
40.7	273.6	257.8	335.4	338.0	231.7	259.7	759.2	71.2	27.6	113.5
6353.5	4115.8	3858.4	4229.2	4034.2	3016.1	4321.1	3447.0	2300.3	2277.1	3575.2
157.4	3061.0	2882.2	3513.7	1909.2	1734.5	2544.5	3135.3	2425.0	145.1	2403.8
417.8	3666.3	3199.5	3342.7	3661.3	2841.5	4178.8	2351.1	1684.4	662.1	1999.5
7509.7	7410.1	7435.6	8594.5	8421.4	7108.8	8733.1	7693.2	7164.2	8292.9	9164.7

5069.9	5229.7	6408.8
2483.5	2161.7	3202.5
5639.1	5644.3	6316.8
27.7	34.0	32.4
4019.6	3995.0	4716.0
176.5	140.8	154.9
3707.9	3624.9	4803.3
4464.7	4999.7	5691.4
116.3	188.6	439.8
6876.2	6030.5	9410.4
4280.9	3826.5	4140.1
2693.7	3035.5	3677.7
709.8	1799.4	1858.2
822.7	1300.1	3420.4
56.8	70.8	83.9
6218.5	6512.7	5504.0
2428.4	3315.1	3710.3
3418.1	3815.9	3238.3
5566.6	5677.5	5302.2
43.2	53.3	53.2
485.0	734.6	311.4
5260.3	4875.3	6600.4
54.8	77.1	253.1
177.4	133.4	254.7
1906.9	1478.0	2635.9
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1922.6	2718.6	2220.5
172.8	170.7	129.4
2116.9	1808.9	2806.4
53.3	86.6	77.0
294.2	130.4	378.4
102.1	201.0	277.6
6352.7	7742.6	6522.8
2861.7	3186.2	2770.3
8962.0	10506.9	9493.6
208.1	383.2	388.4
3317.1	3430.4	4276.7
1797.6	1368.4	3096.0
1922.6	1796.7	3146.6
7606.1	8469.7	8732.0

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s__Geobacter sp. FRC-32	57080

NR_026407.1 gg_id:575070 Desulfuromonas thiophila str. NZ27 DSMZ 8987 NR_02
EU246142.1 gg_id:235638 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P4-B12 EU246
AY062875.1 gg_id:52449 environmental electrode surface clone d9 AY062
AJ519664.1 gg_id:76391 uranium mill tailings soil sample clone GuBH2-AG-114 proteobacterium AJ5196
AB294287.1 gg_id:210461 Microbial structure deep coal seem groundwater clone YWB18 AB294
X79415.1 gg_id:10692 Desulfuromusa succinoxidans str. Gylac (DSM 8270) X79415
GQ433952.1 gg_id:554572 Subseafloor ocean crust microbial observatories: (F-through Osmo Colonization Syst GQ433
EU542456.1 gg_id:263005 Effects chemical structure concentration on pathways microbial during dechlorinatio EU542
NR_026154.1 gg_id:552396 Pelobacter acidigallici str. MaGal12T; DSM 2377 NR_02
GU180167.1 gg_id:581956 Impact coplanar PCBs on microbial activity anaerobic estuarine sediments sediment GU180
NR_026479.1 gg_id:539100 Malonomonas rubra str. GraMal1; DSM 5091 NR_02
FJ638573.1 gg_id:538924 Temperature dependent succession sulfate reducing muddy southwestern Taiwan hc FJ6385
AY280424.1 gg_id:101417 exterior deep-sea hydrothermal vent sulfide chimney Juan de Fuca Ridge Pacific Oce AY280
EU386013.1 gg_id:262433 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU386
GQ246309.1 gg_id:511753 Temporal and spatial China North Yel Sea sediments clone Sd1-28 GQ246
EU052244.1 gg_id:237074 degradation kinetics and current efficiency cells supplied anode microbial fuel cell fe EU052
DQ677843.1 gg_id:245056 Blood Falls Subglacial Outf Taylor Glacier Antarctica subglacial outf clone BF99_C24 DQ677
DQ309326.1 gg_id:145062 Desulfuromonas alkaliphilus str. Z-0531 DQ309
AJ441215.1 gg_id:74843 hydrothermal vent polychaete mucous clone P. palm C/A 79 AJ4412
EU052243.1 gg_id:252121 degradation kinetics and current efficiency cells supplied anode microbial fuel cell fe EU052
AY187308.1 gg_id:102591 Pelobacter masseliensis AY1873
EU617856.1 gg_id:346218 Seasonal variation microbial Yel Sea sediment clone C13S-139 EU617
AB355057.1 gg_id:236199 Monitoring and archaeal two heavy polluted areas lake Egypt based on sediment Ma AB355
AY998187.1 gg_id:115871 Continental deep subsurface geochemically structured within alternating shale-sand AY998
AY515473.1 gg_id:103018 bulk water German Wadden Sea October 1999 clone GWS-K17 AY5154
EU531802.1 gg_id:264753 unculturable volcanos Xinjiang mud volcano (salty) clone 285 EU5318
AB189359.1 gg_id:113759 cold seep sediment clone JT75-105 AB189
AY187304.2 gg_id:108676 Geopsychrobacter electrodiphilus str. A2 AY1873
EU735643.1 gg_id:329004 archaeal structures and pristine soils China oil contaminated soil Jidong Oilfield clone EU735
FM179908.1 gg_id:353366 Biogeochemical processes microbial Gullfaks and Tommeliten methane seeps (Nortl FM179
AY155599.1 gg_id:81506 Geothermobacter ehrlichii str. SS015 AY1555
GQ249592.1 gg_id:554911 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 12-14 cm layer cl GQ249
EF687392.1 gg_id:286079 Biogeochemistry iron- and sulfur-precipitating microbial mats (Nile Mediterranean) s EF6873
AF458286.1 gg_id:77161 Mono Lake California clone AF4582
NR_026076.1 gg_id:561012 Geobacter bremensis str. Dfr1; ATCC BAA-607 NR_02
AAVG01000086.1 gg_id:179082 Geobacter lovleyi str. SZ AAVG0
NC_007517.1 gg_id:141183 Geobacter metallireducens str. GS-15 NC_00
AY653551.1 gg_id:129581 Geobacter psychrophilus str. P11 AY6535
AJ534676.1 gg_id:76599 ground water deep-well injection disposal site radioactive wastes Tomsk-7 clone S15A AJ5346
AB488058.1 gg_id:581180 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488
AB486606.1 gg_id:576801 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR0 AB486

39.3	285.2	257.3	351.4	172.0	110.1	295.5	326.2	287.6	31.4	62.3
1812.8	6432.5	7219.2	6987.3	7185.4	7043.6	7977.1	6501.8	5417.4	6039.9	6723.5
411.1	6176.3	5147.8	5166.3	4489.5	4975.5	5070.2	4365.6	4551.0	3678.0	3485.2
4046.9	2815.6	2724.9	3321.5	3039.8	2291.0	3945.2	3074.2	2828.0	764.0	2022.2
836.0	3408.3	3576.2	4015.0	2984.2	2763.8	4694.7	3302.3	1941.6	2807.5	3094.8
309.3	1943.3	2274.0	2503.4	1810.4	1733.6	2632.1	1986.6	3452.3	1187.6	2033.6
19126.1	9358.8	8799.0	8858.4	9484.9	8684.7	10216.5	8208.2	9115.5	7903.1	8400.2
3593.5	7545.5	7959.3	8412.4	9305.9	7900.0	9419.6	7851.2	6175.3	4833.3	6577.4
47.7	887.8	1088.8	842.8	879.7	828.9	893.5	866.7	294.7	176.2	771.4
7430.4	5824.6	6323.7	6746.0	6439.8	5024.0	6312.4	5824.1	4113.2	4046.3	5592.7
33.1	18.2	15.1	16.7	18.5	17.7	18.3	18.0	21.3	15.2	23.9
1847.0	7800.6	8152.3	8720.6	8156.5	7034.1	8040.5	6912.1	6534.1	3612.3	7189.5
7581.9	4740.5	5215.5	4909.5	5328.5	4590.4	3672.7	4274.7	7287.6	5351.9	5663.9
1098.3	2215.9	2673.2	3402.0	2457.5	2351.8	2900.7	3248.2	1020.9	1184.0	2783.4
586.1	2723.4	3506.9	3507.3	3616.6	3497.0	4300.1	3245.2	2290.5	2726.4	2842.9
882.9	3632.9	4261.5	4904.3	4126.6	4257.9	4455.2	3764.6	7249.1	2683.8	3610.8
177.7	2327.1	2714.2	2896.8	2908.5	2476.8	3120.9	2256.1	1289.5	770.2	2116.1
36.9	937.5	623.6	477.0	525.6	826.9	510.1	884.2	185.5	92.9	251.8
613.2	3987.1	4173.3	4212.5	4204.8	3729.2	4185.3	3600.2	3448.3	2349.4	3083.9
147.9	5132.3	4891.4	4983.4	4999.9	3484.7	5227.1	3819.6	3079.5	2070.8	2335.2
13943.7	5382.4	5105.4	5698.6	6918.4	5267.7	6737.3	5328.4	7084.0	5801.7	6442.9
31020.7	8621.8	6950.7	7949.2	6717.0	7644.9	8061.9	6192.8	10836.3	8250.9	11475.6
13159.3	9815.6	9787.6	10600.1	10863.0	9735.8	11011.5	8960.2	9018.9	10171.5	10804.7
39832.4	13970.1	12990.2	14375.2	13375.0	13802.2	14582.1	10831.2	16036.0	13164.4	17984.8
776.5	5381.6	6285.4	6622.6	5817.0	6031.1	5471.0	5724.9	7413.4	6733.6	5788.8
35.4	1140.8	1111.1	926.4	66.4	198.5	239.9	427.0	152.8	46.1	276.9
1355.9	2772.0	2840.6	3751.9	3752.8	2343.4	3692.9	2507.9	1409.8	614.3	1517.8
12760.5	4565.1	3995.2	4519.2	4486.4	4452.3	4729.2	3912.8	5832.2	6054.8	6134.1
3580.2	5617.8	5963.3	6052.8	6008.8	4879.5	7092.9	5177.4	7953.0	5087.0	7009.6
487.4	3877.0	4448.5	5090.2	4035.9	3792.8	4673.3	4067.9	5258.2	1268.0	3721.1
244.7	3746.6	3917.1	4290.7	4292.9	2848.3	5347.6	2946.7	1653.4	1646.1	2495.7
16052.2	6931.4	7083.0	7893.5	7726.0	6991.4	7685.7	6622.5	7737.9	9071.4	7780.3
2286.2	7549.0	7706.6	8447.6	7550.7	6927.4	9378.6	7104.2	9388.3	5791.3	6609.1
46.2	378.7	490.3	515.0	518.9	464.4	591.7	357.4	107.6	320.0	172.1
1525.3	5776.5	6970.7	6156.1	5743.4	6229.7	6821.8	4865.0	4160.6	2276.9	6139.6
1045.6	5368.1	6706.3	5870.6	4476.6	5547.4	7821.4	4895.0	2667.2	3909.9	4932.7
621.6	6341.3	7735.2	6816.5	6955.2	7252.6	7508.9	5589.0	3596.3	879.1	5372.5
165.6	5560.9	5853.1	6662.0	6786.6	7020.6	6379.7	5367.8	3275.9	3230.6	5128.2
2052.3	3395.2	4137.5	3298.1	2764.7	3498.1	2720.5	2982.8	1875.1	581.3	2522.6
1489.4	5827.7	8015.6	4705.3	4904.7	5960.5	5752.0	5204.0	4091.0	2337.1	5403.3
569.0	5935.8	6872.2	5560.9	5420.6	5657.7	5893.0	4568.7	2764.5	772.8	3143.2

71.5	90.5	393.1
6608.5	6362.2	7396.9
3996.0	3855.4	4624.2
2494.6	3612.6	3114.7
2942.1	2726.6	3173.3
1529.2	2154.9	1710.7
9051.0	10410.3	10613.8
7586.5	7431.1	8026.4
535.8	438.5	1047.9
5313.3	5571.4	6156.3
15.6	18.1	29.2
6290.4	6264.5	7325.4
4028.6	5755.2	4918.6
2512.0	2576.0	2497.9
3684.6	4090.1	3448.5
3275.6	4891.3	3325.3
2644.2	2129.7	2902.9
498.3	544.7	921.7
3276.4	3822.5	3648.0
3842.1	3043.9	4236.0
4884.9	6046.3	6664.7
6630.5	8875.9	7237.8
9388.6	9401.5	9917.8
11126.2	11821.9	11381.0
5382.9	6629.4	5500.6
136.3	149.5	759.0
2553.3	2536.7	3473.7
3963.4	7004.1	4685.2
5999.8	5386.1	5739.2
3403.6	3969.9	3970.5
2095.1	2954.6	3907.5
6314.9	8032.2	7706.1
6687.8	6918.2	7192.5
387.7	683.6	301.4
4442.3	4545.5	5924.3
4475.8	4280.9	4294.4
4633.6	3917.6	5928.0
4875.3	2882.2	3022.2
2911.8	2883.0	3263.0
3276.3	3213.5	4698.1
3324.7	3026.1	4590.4

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o__Desulfuromonadales	f__Geobacteraceae
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NC_002939.4 gg_id:108300 Geobacter sulfurreducens str. PCA NC_00
NC_009483.1 gg_id:233864 Geobacter uraniumreducens str. Rf4 NC_00
NC_008609.1 gg_id:179753 Pelobacter propionicus str. DSM 2379 NC_00
AB307657.1 gg_id:262500 clay wall used Japanese traditional buildings clone R33 AB307
FJ793176.1 gg_id:532352 Archaea and Hot Spring Thailand Tao Dam hot spring clone TDB56 FJ7931
AJ617860.1 gg_id:109573 oxic-anoxic interphase flooded paddy soil clone D28213 AJ6178
AB487900.1 gg_id:590693 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB487
GQ487953.1 gg_id:563942 Microbial metal soil polluted heavy metals clone T7-90 GQ487
EF515449.1 gg_id:222702 Electricigen Enrichment MFC upf microbial fuel cell anode clone 24e09 EF5154
FM204965.1 gg_id:569815 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
FJ461924.1 gg_id:548027 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
FJ461960.1 gg_id:557399 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
AJ307942.1 gg_id:18952 derived microbial 'pearl'- community clone sipK44 AJ3079
AB488320.1 gg_id:576040 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488
AB486133.1 gg_id:543299 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSBARC AB486
AY922116.1 gg_id:113721 farm soil clone AKYH1470 AY922
AB487641.1 gg_id:591167 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNSR0 AB487
FJ461907.1 gg_id:544277 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
AB486599.1 gg_id:589964 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR0 AB486
GQ355025.1 gg_id:555760 structure between two geochemically distinct springs Alum Rock Park spring clone M GQ355
DQ138957.1 gg_id:139194 chemical fertilizer paddy soil clone JG135 DQ138
FJ269083.1 gg_id:326474 dissimilatory ferric iron reducers arsenic contaminated Hunan south China paddy soil FJ2690
GQ263990.1 gg_id:582001 Structure Simulated Level Waste Site simulated level waste site clone WC2_80 GQ263
AB486446.1 gg_id:590701 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSBARC AB486
EF527427.1 gg_id:222124 Geobacter uraniumreducens str. Rf4 EF5274
AY947909.1 gg_id:142841 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY947
FJ461957.1 gg_id:585743 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
AM713386.1 gg_id:239296 Heterogeneity microorganisms sediments caused pH coal-mining lake sediment Fe(AM713
DQ086800.1 gg_id:143335 Geobacter sp. str. CLFeRB DQ086
AB240241.1 gg_id:144252 microbial structure rhizosphere Phragmites bulk soil reed bed reactor laboratory clo AB240
EU335196.1 gg_id:242051 Changes microbial metabolic and along hydrogeochemically variable profile saturate EU335
NR_026077.1 gg_id:552049 Geobacter pelophilus str. Dfr2; ATCC BAA-603 NR_02
AB307656.1 gg_id:259279 clay wall used Japanese traditional buildings clone R40 AB307
AB234266.1 gg_id:149023 Biotransformation Polychlorinated Dioxins Microbial Dynamics Sediment Microcosm AB234
FJ393130.1 gg_id:358635 Fusing Biology Engineering Improve Power Output Microbial Fuel Cells microbial fuel FJ3931
Y19190.1 gg_id:10733 Geobacter sp. str. CdA-2 Y19190
EF014495.1 gg_id:236914 Geobacter sp. G02 EF0144
AB240367.1 gg_id:144809 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB240
DQ354751.1 gg_id:150927 subsurface water clone MS140BH1062003ms331 DQ354
CP001124.1 gg_id:312961 Geobacter bemidjiensis str. Bem CP001
AY013644.2 gg_id:23462 sample taken downstream landfill clone BVB71 landfill AY013

83.3	921.8	1939.2	1599.5	1042.3	1023.3	1406.8	1666.3	376.8	178.1	969.0
2173.2	5021.7	6488.3	6318.4	6408.0	5737.9	6185.1	5709.2	3791.4	1505.1	4764.9
814.9	8169.2	9642.4	9653.8	9402.7	9437.2	9539.2	6962.4	4659.7	549.2	7549.4
31.8	6669.5	7613.1	8139.5	7779.6	8435.4	8536.1	5851.7	2977.2	360.6	5979.6
129.5	2219.4	3319.5	2157.4	1566.0	1966.7	1315.6	1667.7	1358.3	156.4	1521.1
154.5	802.2	1267.3	775.9	862.7	957.5	767.2	631.2	531.1	214.7	552.3
837.7	7052.7	7415.7	7258.2	7307.6	7088.1	8898.9	7363.7	5286.9	4320.7	7265.1
50.3	1236.0	1584.0	1300.7	1621.8	1114.1	1925.8	733.9	394.8	70.7	900.9
5455.1	8458.1	8694.9	9208.5	8138.3	8680.3	9974.2	7807.2	6820.8	7859.9	10820.4
4752.3	3259.0	2999.4	2994.8	2643.7	3147.2	4834.2	3154.4	2997.2	2019.9	2878.7
424.0	9316.8	9102.7	11126.9	10536.0	9093.2	12344.5	7795.9	5469.4	2309.4	7870.4
5702.4	10118.7	10304.4	7633.6	9572.3	8894.8	9563.6	8524.6	6397.0	5770.9	8962.5
55.6	6349.7	8271.8	9094.6	7843.8	8508.1	8130.1	5827.7	3986.5	396.2	7403.1
382.6	7430.5	8730.0	5449.3	6030.2	6985.2	5416.7	4755.9	4126.8	1002.3	4690.4
57.6	4915.2	6062.6	4450.0	4830.9	5245.9	4606.3	3246.4	4239.1	736.9	3228.4
54.1	2439.1	2938.2	3396.8	2325.3	1594.6	2375.5	2117.7	1177.5	88.7	2126.4
63.0	4395.8	5587.2	4176.8	4992.9	5133.0	4512.7	4602.4	2380.8	2708.7	3880.6
120.4	6890.2	6758.1	6607.3	6361.9	6557.2	7449.4	5052.9	3266.4	1096.2	4056.6
88.4	5592.2	6147.7	6952.8	7129.1	7358.1	6638.6	4909.0	2264.4	217.7	4889.5
33.6	3874.4	4683.5	4548.2	3535.5	4366.4	5212.7	3034.1	1479.7	62.5	3361.6
8899.3	7240.2	7396.1	7918.6	8192.6	7154.9	9022.8	7173.6	7943.0	7186.1	8239.4
20725.6	7566.5	7594.3	7713.4	7835.7	6927.7	7604.0	6601.9	9507.6	9049.1	8455.6
1742.3	9352.6	9841.1	9901.7	10474.5	9210.4	10481.5	7833.0	6647.5	6832.4	8415.1
54.5	6868.0	8075.9	7555.1	6225.8	6905.3	6610.3	5109.3	3483.4	2134.7	5440.4
63.9	2424.7	4050.2	2539.9	1910.1	2351.1	2288.7	2595.0	1283.3	88.8	1864.7
5647.9	6815.6	7934.3	8816.1	8173.1	8028.0	7593.7	6484.4	6781.8	4224.5	8004.9
9482.2	8243.7	8708.3	7351.2	8224.6	7388.4	8623.5	7011.5	7465.1	8246.5	7805.7
20204.3	8000.8	7882.8	8186.4	7343.9	7998.3	7992.7	7375.1	9463.8	7643.6	10230.6
31.8	522.1	680.1	615.6	315.0	1023.6	134.9	583.9	171.5	2129.0	219.0
261.0	4729.9	6002.3	5581.9	4708.7	5879.3	4431.0	4128.9	2672.9	338.2	4462.5
686.2	3604.6	4053.4	4433.8	5525.3	5741.9	5133.3	3575.2	1961.3	1235.4	2347.3
1643.1	2195.1	2893.3	2484.1	1750.6	1877.0	1558.4	1876.0	1199.1	243.6	1687.0
3612.3	4970.4	4866.7	4652.9	5470.3	4651.4	5030.4	4527.8	4404.9	1770.9	3618.7
5362.1	4439.2	4989.6	4804.3	4667.9	3665.2	4934.1	4315.2	4118.9	2473.7	4031.3
1427.9	6924.6	7944.2	7568.6	7188.2	7484.3	8010.7	6275.5	6742.0	3543.1	7276.4
378.7	2675.7	2874.7	3268.0	3203.5	3132.4	2771.6	2389.2	990.7	907.1	2038.8
253.4	4406.1	5532.8	5598.6	4953.3	5847.9	5413.8	4304.7	3020.5	628.4	4681.1
1654.0	7283.9	8093.3	7071.3	8013.9	7355.7	7498.3	6100.9	6481.6	4570.3	5496.7
3997.0	4824.4	5356.7	5806.4	4969.3	4868.6	7563.9	4254.5	2967.2	406.0	4469.3
5351.3	5903.2	7128.7	6684.5	7111.1	6639.8	7757.6	5581.7	5928.3	3976.1	6439.2
8389.3	5169.1	5874.8	6350.6	5840.1	5701.8	6494.5	4640.9	5941.0	5737.8	5998.4

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5623.2	4742.5	6878.0
4035.2	2876.2	4969.4
1254.3	1087.3	1254.0
610.2	911.5	695.1
6055.6	5391.6	7649.6
473.7	402.1	622.4
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2315.2	2944.4	2249.9
6784.3	6662.0	9468.2
7965.0	8020.7	8250.5
4525.1	2811.9	4596.5
4236.8	3608.9	5954.8
2835.8	2865.0	3392.9
1504.2	398.1	547.3
3651.0	2760.8	4783.5
4067.5	3254.3	5440.1
3163.2	2285.4	3519.7
2047.5	1691.6	2508.6
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4070.1	3949.8	5541.5
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7407.2	8556.2	7537.2
6304.2	7347.8	6613.1
858.0	536.5	261.3
2957.2	2299.6	2907.3
3598.8	3999.8	4111.7
1279.2	1632.2	1483.5
4436.2	3441.7	4537.3
3548.4	3675.6	4020.7
5407.6	5325.0	6049.5
1876.3	1791.5	1548.5
3274.6	2610.0	3706.6
5528.3	4985.7	7026.0
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5794.6	6139.5	7368.5
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DQ145534.1 gg_id:141399 Geobacter argillaceus str. G12 DQ145
DQ676355.1 gg_id:226377 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
AF335183.1 gg_id:29370 Geobacter grbiciae str. TACP-5 AF335
DQ145535.1 gg_id:142149 Geobacter pickeringii str. G13 DQ145
FM204949.1 gg_id:571587 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
EF515364.1 gg_id:225124 Electricigen Enrichment MFC upf microbial fuel cell anode clone 23d10 EF5153
EF527233.1 gg_id:220762 Geobacter sp. Ply1 str. PLY1 EF5272
AJ009496.1 gg_id:10720 anaerobic TCB-transforming consortium clone SJA-152 AJ0094
Y19191.1 gg_id:10708 Geobacter sp. str. CdA-3 Y19191
FJ479238.1 gg_id:593010 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4792
AM713384.1 gg_id:258079 Heterogeneity microorganisms sediments caused pH coal-mining lake sediment Fe(AM713
EF527234.1 gg_id:220531 Geobacter sp. Ply4 str. PLY4 EF5272
AY395392.1 gg_id:104157 pasture soil clone EB1073 AY3953
AB488092.1 gg_id:552927 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488
EF515400.1 gg_id:224061 Electricigen Enrichment MFC upf microbial fuel cell anode clone 23h09 EF5154
AY737507.1 gg_id:105662 Geobacter hephaestius str. VeEG4 AY7375
NR_025895.1 gg_id:543004 Geobacter metallireducens str. GS-15; ATCC 53774 NR_02
AY214185.1 gg_id:82426 benzene-contaminated groundwater clone ZZ12C11 AY214
EF515282.1 gg_id:218355 Electricigen Enrichment MFC upf microbial fuel cell anode clone 22d02 EF5152
FM204997.1 gg_id:547916 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM204
EF515564.1 gg_id:217229 Electricigen Enrichment MFC full-scale anaerobic bioreactor sludge treating brewery EF5155
EU335191.1 gg_id:251985 Changes microbial metabolic and along hydrogeochemically variable profile saturate EU335
AB239707.1 gg_id:143933 microbial structure rhizosphere Phragmites bulk soil reed bed reactor laboratory clo AB239
AY297795.1 gg_id:89444 waterlogged archaeological wood clone pACH72 AY297
EF520540.1 gg_id:231136 structure lakes: what controls ? acid-impacted lake clone ADK-MOh02-53 EF5205
AY770971.1 gg_id:108346 water injection well Dagang oilfield clone W31 AY7709
AF223382.1 gg_id:32027 Trichlorobacter thiogenes AF2233
EF520542.1 gg_id:229376 structure lakes: what controls ? acid-impacted lake clone ADK-MOh02-26 EF5205
FM210335.1 gg_id:572312 Prokaryote shifts and reductive dehalogenase redundancy response electron donor FM210
EU335154.1 gg_id:244045 Changes microbial metabolic and along hydrogeochemically variable profile saturate EU335
AB447710.1 gg_id:570781 Microbial Structure and Dynamics Granules Expanded Granular Sludge Bed (EGSB) R AB447
AB262721.1 gg_id:255281 microorganisms shal subsurface Sarobetsu mire peat soil clone HSM050P-B-10 AB262
EU244079.1 gg_id:356946 16SrRNA probes river Leine sediment clone sl1361 EU244
FJ478832.1 gg_id:511698 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4788
FJ461926.1 gg_id:541076 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
EU134368.1 gg_id:252584 tallgrass prarie soil clone FFCH5218 EU1343
EF515297.1 gg_id:223706 Electricigen Enrichment MFC upf microbial fuel cell anode clone 22e08 EF5152
EF192881.1 gg_id:202514 sediments temperate artificial lake Rapel reservoir sediment clone Rap1_22D EF1928
AY922036.1 gg_id:113772 farm soil clone AKYG597 AY922
AB186850.1 gg_id:107711 polychlorinated dioxin dechlorinating microcosm clone TSBW04 AB186
AB488109.1 gg_id:590962 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR0 AB488

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27684.2	11188.1	10938.0	11515.2	11061.8	11853.3	12102.9	9571.4	13194.0	11953.1	15858.7
685.4	6739.4	8192.2	7834.3	7102.9	7743.4	8519.8	6595.3	3529.4	1609.3	6531.3
520.0	4959.5	6073.9	5280.5	5581.6	5270.6	5611.5	5775.0	2705.0	1708.5	4096.9
2670.7	3331.6	3655.3	3244.3	3321.1	3438.8	4282.2	2720.8	2009.9	1139.0	2487.7
601.5	7054.2	10060.2	7130.0	6770.3	7798.6	8284.5	7411.7	3620.0	2470.7	7054.4
1437.9	2746.3	2966.2	3429.2	2981.9	3080.6	3522.8	2783.0	1651.5	1542.9	2223.2
16524.2	8416.3	8034.3	8709.7	7737.5	7802.8	8799.9	7141.8	9789.7	5832.6	10361.6
6530.4	8228.2	8263.8	8507.5	7530.4	8823.5	8656.5	7044.7	10093.5	8393.3	7127.3
404.1	6772.2	7699.6	6225.0	6705.6	6517.5	6812.8	5450.7	6645.4	2808.3	5807.6
936.0	5910.7	7799.1	6829.4	5928.4	7051.5	6081.5	5016.2	3613.2	330.7	5656.8
1100.7	3613.2	5365.3	4622.8	4793.0	4000.0	4530.3	4345.4	2862.6	1922.0	3058.6
60.4	1913.4	2971.4	1649.9	1817.6	2620.4	1478.6	2076.5	998.5	78.2	1574.3
1224.3	4526.1	5066.1	5398.6	4824.8	4754.4	4809.7	4120.4	5244.1	6543.8	4996.4
475.3	6197.6	6701.4	6018.2	5878.0	6552.3	8016.8	5654.0	3541.0	4304.9	6352.9
1448.0	6698.4	7585.7	5906.6	6842.2	7383.0	8966.5	5890.6	4436.5	2886.0	7853.3
3067.1	7371.3	8489.4	9470.7	8902.7	7599.7	8985.9	7124.1	6911.6	6314.5	8724.3
1034.8	6232.1	6959.9	7648.5	6689.4	6928.3	8982.3	6284.8	4481.5	3509.2	6741.2
2204.5	6236.9	7687.7	7345.2	6902.0	7047.5	7864.8	6388.5	5027.9	7258.0	6459.6
220.6	4562.7	5182.3	5335.6	4978.6	4482.9	7709.0	3805.8	1849.3	582.3	3554.8
9165.2	5010.7	5470.0	4685.3	4059.5	4618.6	5242.0	3916.1	5632.1	6252.8	3918.6
2624.5	6321.9	8028.5	7379.8	7142.5	6557.9	7372.8	5960.2	4306.6	2605.7	4873.5
21259.8	6237.1	6155.1	6274.3	6470.7	6216.6	6821.4	5604.4	7485.9	5061.8	7033.2
43.3	6540.1	7112.0	7643.2	7979.4	7396.4	7463.6	5742.1	3666.8	282.9	6632.1
804.4	7410.6	8936.3	9678.5	8391.1	8829.7	8563.6	6725.2	4726.1	640.2	7807.8
280.8	8199.9	9563.8	9443.4	8015.0	8396.8	10388.6	6674.6	4566.2	542.6	7925.4
754.6	5694.7	6471.9	6454.7	5514.6	6039.6	8607.5	5095.0	3406.5	1425.4	5464.1
2070.6	6479.7	7977.2	9376.3	7184.6	7667.9	8105.3	6067.5	4820.3	2740.8	8388.2
11430.0	6107.5	6829.3	7612.7	6530.4	7413.6	9452.2	5272.1	5052.3	3788.8	7224.7
13725.5	9165.1	9628.4	10489.4	10083.1	8570.5	10587.1	8524.3	8252.3	5884.6	9198.7
1446.1	5697.7	6344.5	6972.9	7408.4	6504.6	7029.2	5034.0	2867.7	1598.0	5485.2
108.4	3136.7	3873.5	3466.5	3122.1	3522.5	4244.7	2907.7	1076.9	174.7	2204.7
250.7	7445.6	8067.2	6985.8	7135.2	6712.9	7226.3	5404.4	4602.9	2205.0	5656.7
2828.7	4423.2	5033.0	3940.2	3689.0	4709.0	3401.8	3783.1	3161.9	2285.2	3091.3
973.4	5905.3	6543.1	6101.2	5675.6	6000.8	6507.9	5360.5	4090.6	3669.2	5019.9
10867.2	6969.8	6886.1	6460.2	6987.2	7112.4	7150.3	5827.8	10342.0	6542.1	7331.2
34.1	4650.4	5042.7	4958.9	4115.4	4262.9	6162.8	3755.6	2132.9	1144.8	3327.7
33.3	6429.2	6938.0	7244.8	7250.1	5470.5	5785.4	4717.6	3656.2	146.7	5700.2
14590.4	4418.8	5659.9	5403.5	5829.9	5427.4	5862.8	4807.1	3876.2	3303.4	4482.7
4162.1	7710.8	9460.9	9755.7	7275.3	8512.2	8547.5	7038.0	10744.1	9030.2	8497.6
912.5	3554.5	4893.6	4692.1	3633.1	4723.5	3987.7	4444.4	2529.8	4467.6	3634.7

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9184.7	9699.6	8582.9
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6708.8	7812.7	7799.3
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5216.0	4450.2	5918.2
4977.5	7392.4	5951.2
4053.9	2281.3	4018.0
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5391.2	3565.0	6111.2
4018.2	3697.5	4414.6
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AB487169.1 gg_id:588904 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSNIR0 AB487
AB486722.1 gg_id:534035 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR AB486
AY947936.1 gg_id:141881 Synchrony and seasonality two temperate rivers USA: Massachusetts Ipswich River c AY947
AB488329.1 gg_id:535240 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSSUR AB488
CP000142.1 gg_id:140482 Pelobacter carbinolicus str. DSM 2380 CP000
EU528245.1 gg_id:287305 Seasonal Dynamics Mudflat Mouth Major Kentucky Lake Reservoir Tributary sedime EU528
AF357914.2 gg_id:51450 Desulfuromonas michiganensis str. BRS1 AF357
U41562.1 gg_id:10667 Pelobacter venetianus U4156
DQ647155.1 gg_id:251658 Microbial structure -temperature oil-field produced water Troll formations North Se DQ647
AB243821.1 gg_id:240641 Methods Investigate Microbial Niigata oil well clone Niigata-10 AB243
AY570613.1 gg_id:108489 biodegraded Canadian oil reservoir clone PL-27B4 AY570
AB294283.1 gg_id:215360 Microbial structure deep coal seem groundwater clone YWB14 AB294
EU328027.1 gg_id:279210 dynamics during bioremediation crude oil contaminated moderate saline soil clone B EU328
GU180166.1 gg_id:537907 Impact coplanar PCBs on microbial activity anaerobic estuarine sediments sediment GU180
AM745207.1 gg_id:293270 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
U23140.1 gg_id:10684 "Desulfuromonas acetexigens" U2314
AB186848.1 gg_id:103899 polychlorinated dioxin dechlorinating microcosm clone TSAC13 AB186
AY185329.1 gg_id:107087 Desulfuromonas sp. clone AKS68 AY185
X70955.1 gg_id:10668 Pelobacter acetylenicus str. WoAcy1 DSM2348 X70955
GQ433929.1 gg_id:580755 Subseafloor ocean crust microbial observatories: (F-through Osmo Colonization Syst GQ433
EU491247.1 gg_id:276607 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU491
EU134335.1 gg_id:243283 tallgrass prarie soil clone FFCH4372 EU134
EU669605.1 gg_id:329697 soil clone S11-29 EU669
GQ495396.1 gg_id:561622 terrestrial volcanic rocks Iceland Hnausahraun lava f clone Bas-7-39 GQ495
EF494339.1 gg_id:223032 Nunnock River granitic landscape clone NR.1.030 EF4943
EU335175.1 gg_id:243968 Changes microbial metabolic and along hydrogeochemically variable profile saturate EU335
EU236382.1 gg_id:299505 Haliclona gellius: sponge and symbionts 13 m depth Pacific Ocean clone Hg91H5 EU236
AF130847.1 gg_id:24509 Candidatus Entotheonella palauensis AF130
AM697535.1 gg_id:223474 sequencing libraries indoor dust clone BF0002D046 AM697
FJ466208.1 gg_id:534885 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea FJ4662
FJ479408.1 gg_id:559177 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4794
FJ542849.1 gg_id:531899 Microbiomic intestine earthworm Eisenia fetida fed ergovaline treatment gut clone A FJ5428
EF516200.1 gg_id:224375 grassland soil clone FCPT594 EF5162
DQ450812.1 gg_id:159853 Microbial Alpine Tundra Wet Meadow Soil: Chloroflexi Cold Water-Saturated satura DQ450
AY792293.1 gg_id:119981 Humic Lake clone CrystalBog021E5 AY792
EU134440.1 gg_id:241214 tallgrass prarie soil clone FFCH11684 EU134
EF516730.1 gg_id:225970 grassland soil clone FCPP728 EF5167
EF516405.1 gg_id:226410 grassland soil clone FCPT673 EF5164
EU803523.1 gg_id:339137 It's all ranking aquatic Lake Gatun clone 5C231108 EU803
AJ233906.1 gg_id:10634 Cystobacter violaceus str. Cb vi34 AJ2339
DQ768113.1 gg_id:169959 Cystobacter minus str. DSM 14751 DQ768

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1267.5	9780.5	11159.3	11298.9	10746.8	9988.6	11030.8	8914.9	7611.4	2639.1	11040.2
34.6	61.7	94.0	72.1	28.6	71.3	40.9	83.7	30.6	17.3	54.1
57.1	3283.0	4918.9	3574.6	2830.5	4004.1	3735.4	2980.5	1689.6	1330.3	3554.5
288.3	3711.1	4368.2	4504.5	4095.2	4287.9	5068.5	3275.6	2412.4	1640.9	2996.9
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306.3	6356.5	5397.1	7498.0	7002.3	5578.4	5871.7	5611.7	4634.5	2686.9	5369.7
59.0	3598.7	4265.2	4945.7	3374.7	3398.6	3347.5	3804.6	2114.2	1823.2	3645.0
45.8	4209.4	4547.3	5058.8	5786.6	4251.4	5078.6	4129.0	2772.8	3053.1	3121.2
104.8	4335.8	4612.7	5696.6	5345.2	4148.1	6589.1	4283.6	2548.4	2264.0	3104.3
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533.8	2471.9	2568.4	2619.7	3389.8	2546.7	2439.9	2173.9	2672.5	2267.8	2206.5
1511.8	6716.1	6916.2	7686.6	7169.1	5688.7	7139.4	5805.2	6581.8	3763.2	5651.3
7676.4	10338.2	9765.1	10022.9	11730.7	9701.7	12311.4	8369.3	10073.1	9990.8	13905.9
443.2	4275.3	5248.5	5993.3	6400.6	4581.3	6235.5	3922.8	2812.0	2389.5	3752.6
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2943.1	2959.5	2937.8	3221.2	4713.2	3228.2	3976.7	3726.3	2277.0	1574.9	2171.0
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AJ233913.1 gg_id:10629 Archangium gephyra str. Ar g2 AJ2339
AJ233910.1 gg_id:10626 Angiococcus disciformis str. d4 AJ2339
AB218222.1 gg_id:148095 Archangium gephyra str. NBRC 100087 AB218
AJ233900.1 gg_id:10630 Cystobacter ferrugineus str. Cb fe13 AJ2339
DQ768109.1 gg_id:168891 Cystobacter fuscus str. DSM 2262 DQ768
DQ768115.1 gg_id:169963 Cystobacter velatus str. DSM 14718 DQ768
AJ233897.1 gg_id:10617 Cystobacter fuscus str. Cb f6 AJ2338
EU263004.1 gg_id:274606 Cystobacter fuscus str. Cb9737 EU263
AJ233902.1 gg_id:10621 Cystobacter ferrugineus str. Cb fe27 AJ2339
AM930267.1 gg_id:251539 Melittangium lichenicola str. DSM 14877 AM930
EU262995.1 gg_id:264353 Cystobacter fuscus str. Bj41 EU2629
DQ768107.1 gg_id:169848 Cystobacter armeniaca str. DSM 14710 DQ768
DQ768111.1 gg_id:163670 Cystobacter miniatus str. DSM 14712 DQ768
AJ970180.1 gg_id:133876 Stigmatella erecta str. DSM 16858 AJ9701
EU193069.1 gg_id:365027 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU193
AJ233911.1 gg_id:10627 Angiococcus disciformis str. d6 AJ2339
AJ233905.1 gg_id:10633 Cystobacter violaceus str. Cb vi29 AJ2339
AJ233944.1 gg_id:10652 Polyangium vitellinum str. Pl vt1 AJ2339
EF108312.1 gg_id:180118 Haliangium ochraceum str. GS1 EF1083
AB062751.1 gg_id:38718 Haliangium tepidum AB062
EU134537.1 gg_id:236984 tallgrass prarie soil clone FFCH18685 EU1345
FJ712545.1 gg_id:530479 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7125
AB286567.1 gg_id:204372 Reducing production and domination comamonadaceae reducing oxygen supply was AB2865
GQ264394.1 gg_id:574674 Structure Simulated Level Waste Site simulated level waste site clone WW2_84 GQ264
AM072418.1 gg_id:137564 uranium mining waste pile soil clone JG35-2-JT67 AM072
EF018702.1 gg_id:204556 aspen rhizosphere clone Amb_16S_999 EF0187
FJ479136.1 gg_id:578408 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4791
GQ396851.1 gg_id:566634 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ396
EU134437.1 gg_id:242508 tallgrass prarie soil clone FFCH11506 EU1344
EU134439.1 gg_id:236963 tallgrass prarie soil clone FFCH11594 EU1344
EU676441.1 gg_id:300085 rhizosphere pioneer plants (Bahia xylopoda and Viguiera linearis) growing on metals· EU6764
AY921676.1 gg_id:113324 farm soil clone AKYH1423 AY9216
AJ518792.1 gg_id:76933 uranium mining waste pile clone JG37-AG-33 proteobacterium AJ5187
AJ519631.1 gg_id:74929 uranium mill tailings soil clone Sh765B-TzT-42 AJ5196
EU617834.1 gg_id:333636 Seasonal variation microbial Yel Sea sediment clone C13S-30 EU6178
EF516060.1 gg_id:217328 grassland soil clone FCPP560 EF5160
EU925860.1 gg_id:353947 sediments sediment station DBS1 northern Bering Sea clone 061F22 EU9258
AM490754.1 gg_id:542734 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
DQ395973.1 gg_id:152024 deep-sea octacoral clone ctg_CGOGA72 DQ395
EU617837.1 gg_id:313196 Seasonal variation microbial Yel Sea sediment clone D13S-10 EU6178

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317.8	2840.5	2545.0	2975.6	5328.9	2855.8	3812.2	2695.9	1683.0	1011.6	1915.2
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719.2	5025.1	6580.8	9195.6	7733.9	5485.6	8027.3	6012.3	3482.5	2101.0	3955.5
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604.9	3064.6	4450.2	6451.5	4951.2	2861.0	4591.3	3270.9	961.1	584.2	1656.6
1622.2	5376.7	4968.6	5370.4	5834.7	4977.3	6013.8	4434.5	4211.9	1837.4	3844.4
243.7	2506.5	3287.7	3731.0	5097.7	3034.5	5180.0	3055.7	1532.9	692.4	1808.3
38.9	1000.3	1189.3	1148.9	3274.1	1119.9	2209.3	1142.7	573.9	156.6	533.0
86.6	2278.4	2972.5	3738.4	5706.0	3003.7	5292.8	2834.6	1728.6	541.1	1819.9
3045.1	3934.8	3997.3	4035.6	6494.3	4363.9	5430.6	4751.8	2857.0	3068.9	2035.3
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84.6	252.0	393.6	401.4	480.2	353.4	583.4	388.1	148.4	311.1	175.2
3597.5	4812.6	6175.2	5088.2	5977.7	5248.1	6717.0	5055.5	3562.4	2625.3	3470.3
3509.9	3110.1	3703.0	3979.9	3735.8	3233.0	3686.6	3195.9	1571.1	1298.1	1980.4
2274.3	5789.2	6143.9	6950.7	7810.4	7127.4	7681.3	6509.1	3950.4	8170.8	4594.9
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24783.8	5251.3	5854.4	5458.9	5384.4	5898.3	5640.4	4921.3	8895.0	6638.1	6844.8
2882.2	4914.7	4514.7	5358.6	7420.0	4995.3	7194.5	5246.5	3902.7	2806.4	3344.9
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AB294333.1 gg_id:209489 Microbial structure deep coal seem groundwater stream clone SWB22 AB2943
DQ640732.1 gg_id:228460 full-scale EBPR sludge clone Skagen129 DQ640
AY922085.1 gg_id:114341 farm soil clone AKYG989 AY922(
EU134548.1 gg_id:246356 tallgrass prarie soil clone FFCH2604 EU1345
EU335231.1 gg_id:256412 Changes microbial metabolic and along hydrogeochemically variable profile unsatura EU3352
AY862012.1 gg_id:112562 Queens Laundry berry community clone QLBB011 AY862(
FJ748771.1 gg_id:578632 Vertical and sulfate-reducing prokaryotes estuarine Southern China Pearl River Estuai FJ7487
EF515967.1 gg_id:224129 grassland soil clone FCPO510 EF5159
EF516802.1 gg_id:221219 grassland soil clone FCPS608 EF5168
EF516477.1 gg_id:218069 grassland soil clone FCPO701 EF5164
EU617835.1 gg_id:345106 Seasonal variation microbial Yel Sea sediment clone D13S-24 EU6178
EF999387.1 gg_id:244765 Vertical and Methanotrophs Estuarine Sediments Pearl River Estuary sediments 22cn EF9993
DQ811794.1 gg_id:173727 mangrove soil clone MSB-3B11 DQ811
FJ466420.1 gg_id:566988 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea FJ4664
EU652608.1 gg_id:279253 Seasonal variation microbial Yel Sea sediment clone B8S-115 EU652(
GU119139.1 gg_id:570059 Threatened Corals Provide Microbial Habitats clone Past_J10 GU119
AB286332.1 gg_id:204177 Reducing production and domination comamonadaceae reducing oxygen supply was AB2863
AY622263.1 gg_id:99343 subsurface soil clone B-BK96 AY6222
FM253665.1 gg_id:305498 Rock gold mine unusually microbial biofilm clone F04-2 FM253
FJ478686.1 gg_id:570453 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786
FJ478958.1 gg_id:543753 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4789
AJ241020.1 gg_id:10682 Norway:(Svalbard)Hornsund clone Sva0679 AJ2410
GU208498.1 gg_id:592792 Study on Sediment Dongping Lake sediment clone Shf1-5 GU208
FJ466408.1 gg_id:548168 and carbon monoxide-oxidizing across successional on recent Hawaiian 1959 Kilauea FJ4664
AJ576419.1 gg_id:102303 midgut homogenate Pachnoda ephippiata larva clone PeM65 AJ5764
EF580975.1 gg_id:277714 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1: EF5809
EF999354.1 gg_id:244128 Vertical and Methanotrophs Estuarine Sediments Pearl River Estuary sediments 6cm EF9993
AY921674.1 gg_id:113379 farm soil clone AKYH1085 AY9216
EU445232.1 gg_id:563875 Isolation Weight Forest Topsoil Metagenomic tropical forest topsoil clone R84 EU445:
GU118929.1 gg_id:546642 Threatened Corals Provide Microbial Habitats clone Past_O02 GU118
DQ906778.1 gg_id:254611 Oman subsurface soil clone 2A-7 DQ906
GQ264118.1 gg_id:551080 Structure Simulated Level Waste Site simulated level waste site clone WC3_53 GQ264
EU617833.1 gg_id:332464 Seasonal variation microbial Yel Sea sediment clone D13S-2 EU6178
AM997778.1 gg_id:572137 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
EU134286.1 gg_id:256241 tallgrass prarie soil clone FFCH3218 EU1342
EU134430.1 gg_id:239367 tallgrass prarie soil clone FFCH10899 EU1344
AY921878.1 gg_id:113228 farm soil clone AKYH1170 AY9218
EF580944.1 gg_id:278622 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM6(EF5809
EF019351.1 gg_id:207878 aspen rhizosphere clone Elev_16S_566 EF0193
EU861852.1 gg_id:345643 effects chronic fertilization on alpine tundra microbial implications carbon and nitrog EU8618
NC_009675.1 gg_id:250283 Anaeromyxobacter sp. str. Fw109-5 NC_00

981.5	5370.5	6009.1	6410.7	8263.3	5948.2	8716.0	5597.2	4535.2	3446.7	4064.3
26.1	443.5	607.8	936.0	861.4	495.0	1605.2	583.9	300.1	46.5	266.0
2638.0	4652.0	4839.6	6154.6	7070.9	5472.3	6814.2	6346.5	3544.3	3545.7	4484.8
809.3	5437.9	5945.1	6040.7	7488.9	6081.9	8124.7	5941.5	3873.9	1299.4	4635.6
224.0	1569.6	2509.6	3309.9	4822.5	2316.9	5699.9	2864.8	970.1	1075.1	1108.7
87.9	1838.0	1790.5	1865.8	2765.0	2138.2	3231.7	2239.7	1229.5	491.5	987.6
6468.0	6767.4	7264.8	6003.9	7289.2	6552.7	7321.5	6434.2	7616.5	8631.8	6803.6
38.8	490.4	854.2	926.4	1022.7	576.1	1199.6	532.2	184.8	68.8	205.1
46.1	54.9	62.3	98.9	160.9	71.8	138.4	55.4	30.6	19.3	27.3
45.5	225.2	522.1	568.9	1113.8	452.6	2007.0	672.9	253.1	35.0	60.3
1098.1	6423.9	6950.1	7779.1	8506.4	6838.3	10258.8	6407.5	3678.9	3289.0	6036.9
24564.2	8174.9	7827.4	8414.4	8886.8	7932.6	10037.3	8272.4	11200.0	8548.6	10999.6
1424.8	3436.0	3597.3	4263.0	4190.0	3186.2	5066.1	3345.1	3445.6	1352.7	3423.1
87.7	249.2	527.2	651.0	126.6	125.5	683.3	239.2	133.7	100.8	53.9
92.6	2007.3	2584.5	2561.0	2680.4	2089.7	3209.2	2490.3	1050.8	671.9	1182.5
632.5	5650.7	5597.8	6010.4	6279.3	6013.4	6803.6	4804.8	3732.9	2980.6	4309.5
84.2	1508.9	2140.4	2095.6	3270.6	2357.9	3972.5	2856.2	1296.0	221.2	843.4
1863.4	4579.7	5361.8	6761.7	8363.0	4934.9	10097.1	5492.2	4126.2	1291.3	2944.3
3152.6	3310.5	3676.7	3892.1	5134.8	3884.1	5182.0	3463.9	3395.2	4706.8	4072.7
6743.0	5188.6	6156.2	6766.4	8166.1	5769.5	8199.4	6220.1	4783.5	2190.4	5811.3
7879.9	7241.2	8843.4	10431.7	12530.8	8193.2	14259.9	9189.9	8045.0	2312.6	6224.5
24914.0	8897.2	9888.1	9699.2	10822.8	9095.9	11533.4	9998.5	12116.8	9946.0	12647.5
298.4	1456.7	1884.2	2145.4	2834.7	1676.2	3516.7	1999.1	1199.7	448.7	1108.3
996.8	3953.8	3519.3	3749.0	5263.1	4197.5	4499.6	4416.2	3802.3	2545.3	2830.5
977.3	3224.0	4006.8	4230.0	5101.4	2885.0	5365.6	4416.7	1956.0	1986.3	1671.8
1741.0	3633.1	3724.1	4098.5	4550.1	4141.9	5666.2	4627.2	2846.1	1756.2	2605.2
577.4	3395.9	3756.2	4879.2	4204.0	3919.1	4443.2	3883.6	2020.6	2917.9	2655.8
455.2	2178.2	3852.5	3811.1	4228.1	3126.9	5435.4	4570.0	1715.0	2088.0	1988.9
203.4	3428.2	3886.2	4723.0	5846.3	4363.9	7951.7	5216.5	2799.4	2199.0	2610.3
352.7	3914.3	4455.8	4282.9	4946.4	4366.7	5502.8	4208.2	2507.5	3879.9	3092.4
13405.9	8172.2	8356.7	9858.2	11674.7	8593.5	12995.5	8624.9	9431.1	5972.1	9716.2
1914.4	6570.0	6175.0	6586.9	6212.1	6015.7	6435.8	5882.6	8082.4	6909.8	6040.4
283.1	4734.9	5773.6	5960.1	6622.9	4964.9	7055.9	5402.2	4333.8	3893.9	3679.3
112.6	1872.9	2163.2	2184.8	1783.5	2214.7	2248.8	1821.1	901.7	1057.4	1182.1
17244.9	8493.7	8735.2	9997.6	13522.7	9462.9	12565.0	8638.8	8048.5	4025.9	7671.1
10966.5	4733.6	4563.5	5917.9	7492.5	5364.3	8082.1	5031.5	5435.7	2610.0	5796.8
41.0	371.6	492.1	647.8	954.9	364.3	2986.1	601.5	366.3	179.1	233.4
26315.1	10363.4	10010.1	10623.6	11695.5	9391.3	12027.6	9423.8	14093.3	9830.3	11901.1
164.3	3304.0	3276.5	4047.0	7363.1	3206.4	9107.8	3581.1	3693.0	815.5	1508.0
2054.5	5735.2	6627.2	6345.5	7657.5	5587.5	8372.3	5924.9	5704.1	2330.9	5052.2
4709.0	6620.0	7731.4	8603.8	9308.7	6699.3	9532.1	6906.2	6516.1	3824.3	6175.4

4766.7	4995.1	10055.2
813.9	922.2	1475.8
7167.3	5478.6	6759.3
5246.5	5845.9	10269.8
2097.5	2600.7	3727.9
2624.5	2507.0	3636.0
6543.4	7433.0	8221.8
801.0	729.2	2045.1
90.9	105.0	258.0
814.3	522.2	1192.7
6667.9	7628.1	9895.8
8265.7	9276.1	9837.9
4140.6	4144.7	5700.1
1201.8	157.5	490.8
2536.6	2228.3	3821.2
4959.7	5249.0	7168.9
2148.4	2186.4	2650.9
9010.0	4871.1	11034.6
3862.2	4744.9	5443.9
6259.9	6786.8	8379.7
11640.8	7338.0	13198.7
9777.2	10007.7	11581.0
3102.3	1519.0	4254.3
4729.9	4848.7	6236.7
4640.5	3591.3	4615.8
5824.1	4228.2	6300.6
4472.3	3145.2	5020.0
5217.6	3176.5	5467.5
5110.6	3265.0	4674.5
3606.1	4759.7	6566.9
9832.7	8620.7	12332.7
5886.3	7800.9	6573.7
6436.1	4308.1	6989.0
1936.3	1722.1	3182.4
9813.3	8132.8	11613.4
5391.4	5440.7	9323.4
701.7	534.8	1030.4
9974.0	10260.5	11395.1
4625.9	3058.7	6452.1
7927.0	5587.2	8759.7
6532.1	7626.2	8940.0

k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria

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g__Anaeromyxobacter
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s__Myxococcus stipitatus	57857
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s__Myxococcus stipitatus	58253

GQ397088.1 gg_id:532843 Functional unvegetated perhumid recently-deglaciated soils do not correlate shifts s GQ397
EU134349.1 gg_id:236268 tallgrass prarie soil clone FFCH6412 EU1343
FJ190071.1 gg_id:335745 Strain-specific probing strain and heterogeneous U(VI)-reducing Anaeromyxobacter s FJ1900
FJ190063.1 gg_id:353729 Strain-specific probing strain and heterogeneous U(VI)-reducing Anaeromyxobacter s FJ1900
EU134508.1 gg_id:241430 tallgrass prarie soil clone FFCH17129 EU1345
AM162453.1 gg_id:151071 and situ identification acidic sphagnum peat bog clone B88 AM162
FJ190066.1 gg_id:324580 Strain-specific probing strain and heterogeneous U(VI)-reducing Anaeromyxobacter s FJ1900
EU331407.1 gg_id:247762 Anaeromyxobacter dehalogenans str. DCP15 EU3314
FJ190072.1 gg_id:317365 Strain-specific probing strain and heterogeneous U(VI)-reducing Anaeromyxobacter s FJ1900
GQ402739.1 gg_id:579915 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
GQ402712.1 gg_id:582110 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
EU307086.1 gg_id:249072 Changes microbial metabolic and along hydrogeochemically variable profile unsatura EU3070
AY921809.1 gg_id:113159 farm soil clone AKYG886 AY9218
EF520536.1 gg_id:234490 structure lakes: what controls ? acid-impacted lake clone ADK-BTh02-17 EF5205
AF382397.1 gg_id:24157 Anaeromyxobacter dehalogenans str. 2CP-5 AF3823
FJ190062.1 gg_id:312494 Anaeromyxobacter dehalogenans str. FRC-W FJ1900
AB486683.1 gg_id:571531 Microbial responsive denitrification-inducing conditions rice paddy soil clone TSCOR AB4866
AJ233915.1 gg_id:10592 Myxococcus coralloides str. Cc c806 AJ2339
GU139156.1 gg_id:587638 Corallococcus macrosporus str. HBUM91004 GU139
EU263003.1 gg_id:259044 Corallococcus coralloides str. 0185-2 EU2630
EU263002.1 gg_id:263917 Corallococcus coralloides str. 0198-2 EU2630
GQ246607.1 gg_id:550449 Corallococcus exiguus str. HBUM94202 GQ246
AJ233931.1 gg_id:10589 Corallococcus exiguus str. Cc e12b AJ2339
AM930268.1 gg_id:247897 Melittangium lichenicola str. ATCC 25944 AM930
AJ811614.1 gg_id:106360 Corallococcus coralloides str. DSM 51301 AJ8116
AJ811612.1 gg_id:106050 Corallococcus coralloides str. DSM 52500 AJ8116
AJ811595.1 gg_id:105288 Corallococcus coralloides str. DSM 51651 AJ8115
EU262999.1 gg_id:265680 Corallococcus coralloides str. 0007-3 EU2629
AJ811593.1 gg_id:104972 Corallococcus coralloides str. DSM 51548 AJ8115
AJ811601.1 gg_id:100844 Corallococcus coralloides str. DSM 51492 AJ8116
AJ811604.1 gg_id:101327 Corallococcus coralloides str. DSM 52502 AJ8116
AJ811615.1 gg_id:106528 Corallococcus coralloides str. DSM 51408 AJ8116
AY724800.1 gg_id:99811 Myxococcus xanthus str. UCDaV17 AY7248
AY724799.1 gg_id:105036 Myxococcus xanthus str. UCDaV16 AY7247
AY072737.1 gg_id:17656 Myxococcus macrosporus str. 125-10-3 AY0727
AY072740.1 gg_id:21317 Myxococcus macrosporus str. 125-10-1 AY0727
AY724798.1 gg_id:104894 Myxococcus xanthus str. UCDaV5 AY7247
EU271853.1 gg_id:251509 Myxococcus stipitatus str. KYC1101 EU2718
GQ246570.1 gg_id:590399 Myxococcus stipitatus str. HBUM92079 GQ246
EU262651.1 gg_id:243378 Myxococcus fulvus str. KYC1136 EU2626
EU262655.1 gg_id:237067 Myxococcus fulvus str. KYC1198 EU2626

157.9	3119.4	5186.9	5162.4	5668.5	4210.7	5780.9	3198.5	2421.2	1082.8	2689.7
4048.1	3465.0	3634.3	4055.0	3624.3	3916.9	4199.3	3660.7	2380.2	2080.6	2122.1
4626.8	5343.6	6405.0	6904.8	6341.4	5494.9	6801.0	5352.4	5975.2	3777.4	5197.0
1812.7	6114.8	6788.5	7728.0	7673.9	6306.7	7931.5	6506.0	6238.5	2622.3	5408.0
644.6	3284.3	5662.8	5190.0	5210.9	3514.1	6383.7	3841.1	2980.1	1399.4	2974.2
766.0	4603.0	6598.8	6903.4	6980.6	4706.1	7974.3	4601.4	3123.5	2131.7	3702.8
9813.6	7475.7	7825.4	9146.5	9594.9	7648.5	10160.6	7458.1	7145.6	5996.1	7562.0
12130.5	9669.9	9777.8	11812.2	11564.5	10124.1	12440.2	9492.0	8576.1	7603.6	12194.0
648.3	6795.7	7319.8	8270.6	9211.9	7110.7	9381.9	6972.9	5985.8	2742.3	5741.9
1834.9	7383.4	7207.1	10271.8	7921.1	7306.7	9498.1	6994.6	5605.4	4529.2	6377.4
3541.6	6485.7	7466.5	10044.3	8119.1	6621.3	7795.4	6942.7	4613.6	3375.0	5932.0
1203.6	6296.8	6907.0	8178.6	7689.3	6496.6	9828.6	6665.2	4841.4	2673.0	4656.5
63.9	286.5	259.2	276.6	385.3	260.0	216.8	92.9	48.1	23.4	80.3
209.7	3701.6	6146.8	8269.2	6261.3	4540.7	6609.7	5161.5	3882.8	1838.3	3346.0
269.4	3057.0	4889.0	4657.5	4831.8	3110.7	5911.9	3488.3	1721.1	627.7	2128.5
135.3	2203.2	4247.9	4069.5	4260.9	2440.5	4313.7	2469.3	982.2	350.4	1331.7
8806.5	5555.3	6372.2	6656.6	6748.8	5858.2	6905.1	5007.8	4568.9	4682.4	5926.3
6748.3	5604.0	5953.5	6740.3	8888.0	6161.6	7861.8	6067.8	5534.6	3702.5	5451.3
6955.1	6587.1	7109.0	8442.2	8340.5	7000.7	9410.4	6994.2	7027.2	4997.8	6523.1
2060.5	5107.0	5364.3	5961.1	8602.9	5459.6	6917.4	6254.3	4198.5	3530.9	4478.4
6872.4	6419.6	6760.7	7625.7	9707.8	6841.9	9003.7	7110.5	6316.0	4781.8	6234.2
2386.7	4003.1	4369.2	4882.1	7883.8	4471.3	5947.1	4839.6	3006.4	1693.4	2955.4
6569.8	5598.2	5975.9	6902.3	8405.7	6042.3	7826.0	6235.1	5779.9	3643.6	5426.2
1809.6	5925.2	6689.7	7380.6	8618.3	6426.8	8800.0	6993.8	5104.1	4079.3	9276.4
2463.9	4538.7	4924.0	5540.6	8302.0	5164.6	6433.9	5599.3	4035.1	3188.5	4295.8
1730.6	3410.6	3707.6	4090.3	7349.5	3844.9	4995.1	4554.2	2747.2	1566.6	2986.9
7677.5	9165.5	9173.9	10388.2	10697.8	9312.3	11550.2	9410.7	9552.2	8177.5	9882.6
1579.9	4283.4	4798.6	5522.1	8119.7	5024.3	6355.9	5335.1	3753.0	3661.3	3900.7
6620.2	5329.4	5933.0	6959.4	9260.3	5961.7	8292.1	6185.9	4723.5	3427.4	5020.8
2749.6	4661.2	4948.6	5533.6	8475.9	5360.9	6228.7	5687.0	4080.6	3603.4	4385.5
2278.9	3663.1	4041.9	4660.8	7437.8	4236.2	5395.8	4764.3	3095.3	1505.0	2839.5
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34772.3	11781.3	11381.2	12521.1	12008.2	10842.8	14886.9	10105.9	14929.9	15647.6	15673.0
16226.9	10881.1	10243.3	10161.9	9312.8	9938.6	10778.5	8698.3	13643.5	10517.1	10812.0
8490.1	7817.9	7851.0	9036.0	10457.2	7931.2	10855.5	8128.4	6840.8	5793.1	8524.5
4711.3	4079.6	4732.1	5293.9	5956.7	4045.8	6303.8	4164.7	2868.0	1582.7	4261.2
1689.7	5634.3	4707.2	5130.8	4336.2	4793.8	5160.9	4245.1	3887.9	2768.3	5399.0
4218.7	8711.3	8805.9	10031.4	11364.5	8648.0	11889.8	8602.3	7350.9	6560.6	7678.2
2431.1	6899.6	6784.7	7655.0	8881.4	6511.3	9026.6	6691.5	4837.4	3511.3	5299.0
2308.4	5267.2	5123.8	5039.6	6033.9	4836.1	5945.9	5106.6	4664.1	3171.2	4190.6
1202.7	2163.4	2785.9	2567.1	2510.1	2376.5	2999.2	2447.1	2300.2	949.8	2209.4

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7908.5	8814.4	9313.3
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6919.3	7497.5	10332.4
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7010.7	5799.4	9711.1
85.3	146.4	207.1
6524.0	3961.1	5742.2
3575.0	2992.7	4559.9
2178.1	2156.7	4091.8
5813.7	6119.5	6949.0
6082.1	5968.6	7861.9
7513.7	6440.3	8387.0
5795.4	5987.2	7191.7
6986.6	6802.3	8464.4
4530.1	4332.1	6184.0
6202.7	6103.6	7675.5
5899.1	5872.6	7859.3
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6122.7	5528.6	7785.0
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AJ233922.1 gg_id:10607 Myxococcus stipitatus str. Mx s33 AJ2339
AB218209.1 gg_id:150276 Myxococcus fulvus str. NBRC 100070 AB218
GU139153.1 gg_id:579552 Myxococcus stipitatus str. HBUM93501 GU139
AJ233929.1 gg_id:10614 Myxococcus xanthus str. DSM 435 (Mx x1) AJ2339
GQ246531.1 gg_id:576354 Myxococcus virescens str. HBUM93351 GQ246
AJ233927.1 gg_id:10612 Myxococcus virescens str. Mx v1 AJ2339
AJ233909.1 gg_id:10600 Angiococcus disciformis str. d1 AJ2339
EU262997.1 gg_id:276309 Myxococcus macrosporus str. Myxo9736 EU262
DQ768123.1 gg_id:163033 Pyxicoccus fallax str. DSM 14698 DQ768
GQ246547.1 gg_id:579922 Corallococcus macrosporus str. HBUM93406 GQ246
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AJ233930.1 gg_id:10615 Myxococcus xanthus str. Mx x132 AJ2339
AJ811621.1 gg_id:102087 Corallococcus coralloides str. DSM 52496 AJ8116
GQ246541.1 gg_id:539091 Myxococcus virescens str. HBUM93307 GQ246
EU262992.1 gg_id:277585 Myxococcus fulvus str. 0189-5 EU262
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AJ233920.1 gg_id:10605 Myxococcus macrosporus str. Cc m7 AJ2339
AY724797.1 gg_id:104738 Myxococcus xanthus str. UCDaV1 AY724
AJ233925.1 gg_id:10610 Myxococcus virescens str. Mx v2 AJ2339
EU158297.1 gg_id:247490 Myxococcus sp. str. HBUM 91040 EU158
GQ246558.1 gg_id:532677 Myxococcus fulvus str. HBUM93132 GQ246
AF280855.1 gg_id:73433 bioreactor clone mle1-22 AF280
EU283398.1 gg_id:253563 consecutively aerated submerged treating domestic wastewater activated sludge m EU283
ABCS01000137.1 gg_id:235635 Plesiocystis pacifica str. SIR-1 ABCS0
EU134550.1 gg_id:256957 tallgrass prarie soil clone FFCH2652 EU134
AY921891.1 gg_id:135973 farm soil clone AKYH963 AY921
FJ152686.1 gg_id:304479 Changes ly soil (Mexico) flooding alkaline saline soils former lake Texcoco clone TX1A_ FJ1526
EU050860.1 gg_id:245344 libraries sediment Kings Bay Svalbard Arctic clone ss1_B_05_87 EU050
CU466781.1 gg_id:327106 Evry wastewater treatment plant anoxic basin clone CU466
FJ203639.1 gg_id:313265 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h FJ2036
DQ298325.1 gg_id:154699 studies on and nifH Lasiurus sindicus Sewan grass Thar Desert Rajasthan India rhizos DQ298
AB252740.1 gg_id:152915 Antimicrobial Cyclic Depsipeptides SMH-27-4A coastal soil AB252
AM997796.1 gg_id:546538 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
EU236309.1 gg_id:298699 Haliclona gellius: sponge and symbionts 13 m depth Pacific Ocean clone Hg1a2H2 EU236
AJ233941.1 gg_id:10642 Chondromyces robustus str. Cm a22 AJ2339
NR_025346.1 gg_id:565046 Chondromyces robustus str. Cm a13; DSM 14608 NR_02
DQ491070.1 gg_id:170538 Chondromyces pediculatus str. BICC 8609 DQ491

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4807.7	8676.1	8468.3	9463.6	10299.3	8389.4	11101.6	8327.1	7494.5	6668.2	7459.5
4787.1	7702.0	7294.9	8076.1	9103.2	7435.7	9366.1	7808.8	6383.6	6750.2	7401.6
4799.0	8687.5	8346.1	9236.3	10329.0	8388.5	10680.2	8327.4	7547.3	6682.2	7387.6
9022.2	8806.1	8565.2	9648.6	10609.9	9137.0	11041.0	9646.8	8883.1	11648.6	12517.3
1855.5	5082.5	4819.9	5351.5	5952.9	4608.1	5933.8	4591.8	3584.4	2415.9	3418.9
1350.4	5424.3	5639.4	6349.9	7542.2	5555.6	7120.8	7273.2	4133.0	5416.6	6151.0
4538.3	8036.1	7515.8	8471.9	9561.1	7707.9	9712.8	7520.7	6365.9	5939.1	7609.4
4437.4	7696.2	7188.5	8250.6	9138.9	7472.8	9161.5	7640.0	6681.1	5455.0	7517.4
1558.4	4481.3	5223.1	6190.1	6089.9	4578.2	6822.8	5151.1	3406.6	1560.5	3888.0
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4046.7	10426.1	10085.1	11671.0	13070.5	10465.2	13159.5	9606.4	9233.2	6290.1	8968.3
4203.9	7303.9	6992.6	8051.4	8785.0	6998.2	8782.4	7030.7	6113.3	5082.2	6479.3
6685.3	6506.6	6944.0	8078.9	9550.2	7057.8	9060.7	8436.6	5930.3	8349.9	9519.4
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3298.5	7080.0	6749.5	7505.4	8874.2	6711.6	8691.1	6686.4	5533.2	4660.7	5863.1
6773.5	5504.6	5715.8	6254.1	9070.9	5936.9	7656.6	6254.4	5238.6	3371.2	4906.3
8959.3	9489.9	7110.1	7197.8	6536.4	7576.2	7964.4	6560.7	9187.7	5649.7	5986.7
2531.4	5799.9	5927.6	6206.6	6445.2	5032.5	6888.1	5119.2	4158.3	3341.7	4706.0
3964.0	8594.7	8618.5	9789.8	10897.6	8473.5	11320.7	8893.6	7709.9	6555.4	7498.2
2182.2	6380.5	6184.7	6986.3	7983.5	6059.4	7816.7	6453.3	4939.0	3203.1	5013.6
2492.1	7559.4	7638.7	8727.6	10594.5	7346.0	11173.1	8161.0	5555.8	5065.1	6067.4
1802.1	4922.5	4893.9	5626.3	6210.2	4618.0	6291.3	4326.3	3263.6	2038.9	3475.3
2124.4	5809.4	6563.2	7774.8	6417.4	5771.5	7396.0	6543.1	5951.9	6031.1	6711.1
3393.1	6287.8	6391.6	7376.3	8334.7	6236.5	8555.5	6418.8	5208.5	3378.8	5004.7
55.6	552.6	323.4	472.1	487.6	344.4	917.4	434.3	182.2	47.0	97.8
4372.2	5882.8	6310.8	6504.5	7519.2	6375.5	8668.8	7319.5	6142.3	4221.7	5270.9
1160.9	4604.0	5931.4	5529.5	5618.5	5436.3	6023.8	5978.4	4658.1	5557.5	5022.7
10927.9	6771.9	7640.6	8868.7	9771.0	7340.8	11088.0	8301.6	7537.2	3579.8	7286.2
62.0	574.3	796.9	630.0	938.3	691.4	1903.3	849.4	390.0	662.1	415.9
10918.0	6097.1	6136.8	6475.9	6807.1	6133.6	8447.9	6337.7	5076.4	4862.2	7155.8
6344.4	6876.0	8065.5	8301.2	9320.2	7515.0	10437.8	7975.0	6860.4	2616.9	6017.2
9973.8	7875.7	7600.1	8179.1	7987.7	7363.9	9071.8	8160.1	8531.9	5345.2	9326.2
1372.3	3481.8	3118.9	3561.8	4080.5	3401.7	5656.5	4253.7	2850.4	1267.4	2418.4
4926.3	4843.0	5251.8	5930.3	5646.8	5114.1	7374.7	4933.6	4842.5	1815.9	5652.0
66.2	87.7	76.8	85.1	232.3	102.6	185.3	548.4	80.0	43.8	75.3
1843.1	4078.4	3924.6	4470.0	4376.1	4691.9	5768.3	4420.8	4522.8	3172.9	4417.8
1122.1	4754.8	4232.8	5123.2	5458.9	4647.1	5862.2	5012.4	5945.6	1888.0	3605.9
137.6	2244.4	3131.1	3693.6	4839.7	3212.7	4262.8	4151.5	2149.5	410.1	2555.8
1183.1	2838.1	3237.9	4045.7	4208.8	3992.2	4384.1	3814.5	3254.4	1615.6	3268.5
69.0	1195.5	1515.4	1731.0	2543.2	1852.0	1790.7	2071.6	968.8	145.3	700.2

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6953.0	6980.0	7706.7
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8372.9	7843.4	9607.9
4464.9	4696.1	5074.3
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7054.3	6891.5	8215.9
7034.3	7132.4	8018.0
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5087.7	5206.3	5232.0
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7311.7	6360.6	7873.4
5597.9	5653.1	6232.4
6624.5	6740.3	7250.1
6090.9	5704.9	7589.7
6429.1	8167.3	7295.7
5207.9	5323.7	5530.0
9128.9	8364.4	9735.7
6324.2	6607.3	6767.6
8117.5	7797.6	8719.5
4505.0	4497.1	5293.5
6189.4	7357.0	6006.5
6369.6	5998.4	7045.2
425.9	262.1	197.5
7461.5	6947.5	8298.6
6056.9	5613.6	8491.0
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934.7	1010.9	869.2
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8740.6	7712.2	9451.7
8054.9	8194.0	7999.8
3886.0	3315.7	4573.6
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67.3	72.4	89.4
4677.7	4909.3	4789.5
5448.3	4474.8	6497.2
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AJ233943.1 gg_id:10645 Polyangium thaxteri str. Pl t3 AJ2339
AJ233938.1 gg_id:10639 Chondromyces apiculatus str. Cm a14 AJ2339
AY079453.1 gg_id:29731 Polyangium cellulosum str. So0089-1 AY0794
AF387627.1 gg_id:26373 Polyangium cellulosum str. 9741 AF3876
EU240490.1 gg_id:277159 Sorangium cellulosum str. So0184-1 EU2404
FJ479176.1 gg_id:580635 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4791
AY921933.1 gg_id:113748 farm soil clone AKYG909 AY9219
EU193074.1 gg_id:369028 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU1930
EU881272.1 gg_id:355920 (long-term grazing and burned annual) Karst region serious disturbance field soil clor EU8812
EU134398.1 gg_id:257391 tallgrass prarie soil clone FFCH6364 EU1343
FJ479473.1 gg_id:579806 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4794
DQ295908.1 gg_id:145144 Cohn's Crenothrix filamentous oxidizer unusual methane monooxygenase physical e DQ295
FJ660562.1 gg_id:551380 Correlation functional stability and dynamics full-scale wastewater treatment plant a FJ6605
EF516308.1 gg_id:218711 grassland soil clone FCPO632 EF5163
AJ617907.1 gg_id:109755 oxic-anoxic interphase flooded paddy soil clone D142119 AJ6179
EU134486.1 gg_id:245900 tallgrass prarie soil clone FFCH15612 EU1344
FJ478737.1 gg_id:535402 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4787
AJ833647.1 gg_id:108677 Byssophaga cruenta str. c2 = DSM 14553 AJ8336
AY493915.1 gg_id:136914 Fingerprinting aggregates soil clone 604 AY4939
AJ233948.1 gg_id:10657 Myxococcales str. NOSO-1 AJ2339
AM490752.1 gg_id:588131 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
EU104167.1 gg_id:347524 Evidence Comamonadaceae determinants settling performance activated sludge clo EU1041
EU979074.1 gg_id:326414 Effects intercropping Rhizobium inoculation on microbial biomass and rhizosphere b EU9790
AF280858.1 gg_id:71817 bioreactor clone mle1-29 AF2808
EF018417.1 gg_id:203878 aspen rhizosphere clone Amb_16S_1034 EF0184
AB238772.1 gg_id:146819 shal subsurface Sarobetsu Mire peat soil clone HSM-SS-009 AB2387
EF580966.1 gg_id:278697 Survey Microbial Freshwater Calcareous Mats freshwater calcareous mat clone CM1 EF5809
EF112185.1 gg_id:187653 Stigmatella koreensis str. KYC-1019 EF1121
EU134339.1 gg_id:240506 tallgrass prarie soil clone FFCH3210 EU1343
EU134451.1 gg_id:250244 tallgrass prarie soil clone FFCH12289 EU1344
EU134540.1 gg_id:237206 tallgrass prarie soil clone FFCH18737 EU1345
FJ671175.1 gg_id:511742 Synecology primary and secondary habitats Escherichia coli O157:H7 feedlot surface I FJ6711
AY725263.1 gg_id:102557 decayed velvetleaf seed clone S1-4-CL5 AY7252
DQ768124.1 gg_id:170014 Hyalangium minutum str. DSM 14724 DQ768
DQ129589.1 gg_id:137984 microarray level air two cities Texas urban aerosol clone AKIW811 DQ129
AM697153.1 gg_id:221410 sequencing libraries indoor dust clone BF0002B103 AM697
GQ007850.1 gg_id:501815 Topographical and Temporal Human Skin Microbiome skin volar forearm clone nbw GQ007
FJ152674.1 gg_id:336745 Changes ly soil (Mexico) flooding alkaline saline soils former lake Texcoco clone TX1A_ FJ1526
GQ264111.1 gg_id:568834 Structure Simulated Level Waste Site simulated level waste site clone WC3_40 GQ264
DQ768110.1 gg_id:172129 Cystobacter gracilis str. DSM 14753 DQ768

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195.9	4811.4	6247.1	5674.6	7381.0	5625.4	7567.4	6045.7	3770.5	1865.6	5299.0
929.2	2818.2	3153.5	3440.4	5103.4	3545.6	3215.2	3994.9	3169.1	3315.2	4057.2
4539.5	6841.5	7447.3	7959.1	7892.7	7300.1	8221.1	6942.1	9137.0	5773.5	7998.3
4745.3	6028.9	6047.7	6717.0	6706.7	5980.5	6633.9	5625.8	7111.4	7069.3	6854.8
24.7	876.3	1174.0	1288.3	3245.3	1387.8	4064.5	3331.4	1732.9	73.8	504.1
50.0	1390.5	2293.3	2320.9	3293.5	1807.3	3551.6	3762.5	1513.6	77.4	953.1
207.8	2318.0	3098.2	3256.8	4704.6	2962.8	4725.3	3617.0	2093.0	683.8	1822.7
63.4	1126.9	2076.6	2302.0	4256.7	2011.1	5362.0	3351.1	1492.8	104.6	701.3
3976.6	5264.7	5818.1	6284.3	7167.6	5380.5	6817.4	6044.1	4778.3	3490.6	4977.1
61.4	1327.8	2164.7	1823.0	3717.5	1867.2	4348.3	3794.5	1857.6	162.9	930.6
43.7	441.5	633.6	700.0	1448.8	830.1	636.0	838.3	443.4	196.1	427.7
247.4	1854.3	2435.5	3043.0	5032.8	2707.0	4002.6	3407.2	2823.3	359.4	1789.6
124.3	3327.9	4116.7	4506.4	5599.3	3551.0	4951.2	4570.3	1744.0	842.7	2936.3
40.9	56.4	45.9	61.7	203.7	81.6	141.7	45.2	80.2	12.9	49.0
127.3	2862.0	3849.9	3250.4	4884.4	3198.6	5249.4	3702.7	2477.7	1141.5	3197.6
30.0	838.7	1108.9	1279.3	2984.8	1331.5	3268.5	2406.4	1401.5	58.0	471.2
2611.2	4601.1	4740.5	5170.7	5656.1	4785.8	5446.5	6353.3	3758.9	1112.5	3642.2
75.6	872.7	1118.9	1375.4	1819.2	1410.0	1393.5	1625.7	711.8	246.2	759.6
40.8	1246.2	1469.1	988.2	1406.5	888.9	1519.5	1431.9	1696.8	377.2	595.0
30.6	507.2	520.8	530.3	606.1	713.2	1209.4	916.3	368.0	273.2	337.6
4844.4	2043.1	4491.0	4370.2	4999.0	4004.1	6202.4	4872.8	4174.9	647.8	2196.8
3322.8	2087.3	2722.5	2663.5	3815.2	2543.8	4251.8	3168.5	1183.8	466.9	1274.3
1495.3	3419.8	3304.3	3212.0	4858.5	4350.5	6318.8	4956.9	2412.5	2537.8	2447.5
31.1	143.7	60.7	63.5	1074.5	241.4	1494.2	90.7	2175.2	38.9	116.2
99.1	1608.8	1889.9	2173.9	3592.8	1985.2	3886.1	2723.8	1032.9	229.5	1073.6
66.6	175.4	298.2	256.2	380.0	228.0	254.5	242.6	98.2	52.4	124.0
190.7	1552.8	1465.4	1643.9	3586.7	1416.3	2189.9	1743.1	699.9	337.6	836.4
391.1	3287.9	4367.6	5206.1	5731.6	3713.2	5544.8	4522.2	2898.2	1087.5	2664.3
2449.0	7721.6	8208.4	9548.8	11569.8	7782.1	10762.3	8735.7	7112.7	3287.0	6829.3
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37.2	29.3	42.1	52.3	227.9	47.3	99.7	28.1	570.4	19.6	24.9
46.5	102.3	152.6	121.2	170.4	74.4	107.6	105.4	35.4	29.4	54.1
44.4	2202.5	2283.9	2772.8	4985.1	2363.3	4162.3	1896.8	2259.7	363.4	942.7
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726.9	5204.6	6762.5	8017.9	9243.7	5684.2	9787.7	5951.2	3296.3	2315.3	4675.9
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2075.2	1026.4	2757.9
3649.8	1855.3	2663.8
3490.4	2501.7	4373.0
3590.9	1397.6	3385.1
6608.3	5755.1	7505.9
3280.0	1995.5	2726.6
818.8	742.0	852.0
3506.9	2606.8	4396.5
3396.6	3547.5	3817.6
46.6	55.6	259.0
3047.2	3295.7	4169.4
2705.1	1071.6	2855.7
5863.8	5203.8	5213.9
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1043.2	1029.0	918.6
610.1	356.2	1137.5
7219.7	4318.4	5461.9
2567.4	2695.0	3621.6
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366.9	71.6	20.9
3582.2	2308.3	3649.4
217.3	221.8	1045.2
1849.8	2126.7	3309.6
5214.2	4390.6	5458.8
8850.0	8020.6	10473.9
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7289.4	7297.7	9770.1
6749.0	6352.0	7913.8
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EF019208.1 gg_id:203689 aspen rhizosphere clone Amb_16S_1894 EF0192
EU202851.1 gg_id:326656 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU2028
FJ479195.1 gg_id:543094 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4791
DQ109933.1 gg_id:144097 Sulfate-reducing mats: Changing paradigms new discoveries salt pond nonlithifying DQ109
EF516185.1 gg_id:220256 grassland soil clone FCPN515 EF5161
EU134536.1 gg_id:240725 tallgrass prarie soil clone FFCH18580 EU1345
EU385735.1 gg_id:268363 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU3857
EU386034.1 gg_id:274528 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU3860
EF574444.1 gg_id:232196 site S25 near Coco's Island marine clone S25_788 EF5744
GQ402637.1 gg_id:580197 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
DQ228369.1 gg_id:141905 microbial compositions two subglacial possible role microbes chemical weathering p DQ228
AM490753.1 gg_id:576469 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
EF516312.1 gg_id:218567 grassland soil clone FCPT531 EF5163
FJ624903.1 gg_id:545917 Influence lead contamination on boreal pine forest soil clone HF_C_30 FJ6249
EU669621.1 gg_id:331980 soil clone S22-10 EU6696
GQ097382.1 gg_id:392302 Topographical and Temporal Human Skin Microbiome skin popliteal fossa clone nbw GQ097
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AY922068.1 gg_id:113261 farm soil clone AKYG817 AY9220
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DQ676313.1 gg_id:226704 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
AY395395.1 gg_id:104624 pasture soil clone EB1076 AY3953
FM872981.1 gg_id:360433 occupant source house floor dust clone FB02E03 FM872
GQ246391.1 gg_id:535730 Temporal and spatial China North Yel Sea sediments clone Cm1-54 GQ246
GQ357027.1 gg_id:545451 Metal Dependent Marine Methane Oxidation methane seep sediment clone FeOrig_ GQ357
FJ264600.1 gg_id:353586 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2646
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DQ334608.1 gg_id:188421 Impact metals on sediments heavy metal polluted marine sediment clone HB1-42-2 DQ334
EF125390.1 gg_id:195498 soil naked tidal flat sediment near mangrove clone MSB-1B2 EF1253
EU617839.1 gg_id:307096 Seasonal variation microbial Yel Sea sediment clone C13S-53 EU6178
AY225608.1 gg_id:98504 Mid-Atlantic Ridge hydrothermal sediment clone AT-s3-60 AY2256
EF126277.1 gg_id:259881 Phototrophic microbial build laminated Fe-formations on Sulawesi Indonesia mesoph EF1262
AM936555.1 gg_id:554552 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
EU193070.1 gg_id:368942 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU1930
GQ111138.1 gg_id:380727 Topographical and Temporal Human Skin Microbiome skin antecubital fossa clone n GQ111
EU134492.1 gg_id:244127 tallgrass prarie soil clone FFCH16240 EU1344
FM872766.1 gg_id:364646 occupant source house floor dust clone FB01F04 FM872
AY922176.1 gg_id:114327 farm soil clone AKYH967 AY9221
EF020038.1 gg_id:208701 aspen rhizosphere clone Elev_16S_1435 EF0200

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EU134473.1 gg_id:238254 tallgrass prarie soil clone FFCH14152 EU1344
EU134552.1 gg_id:254949 tallgrass prarie soil clone FFCH2892 EU1345
GQ024961.1 gg_id:484709 Topographical and Temporal Human Skin Microbiome skin axillary vault clone nbw1 GQ024
EU617830.1 gg_id:327954 Seasonal variation microbial Yel Sea sediment clone C13S-5 EU6178
FJ748770.1 gg_id:588676 Vertical and sulfate-reducing prokaryotes estuarine Southern China Pearl River Estua FJ7487
EU386047.1 gg_id:275298 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU3860
FJ484789.1 gg_id:545469 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4847
EF516387.1 gg_id:219204 grassland soil clone FCPS600 EF5163
EU134554.1 gg_id:254386 tallgrass prarie soil clone FFCH3001 EU1345
DQ067034.1 gg_id:136119 Lake Washington sediment clone pLW-43 DQ067
DQ109909.1 gg_id:144578 Sulfate-reducing mats: Changing paradigms new discoveries salt pond nonlithifying DQ109
DQ109921.1 gg_id:141222 Sulfate-reducing mats: Changing paradigms new discoveries salt pond nonlithifying DQ109
EF646124.1 gg_id:251921 Potential interactions particle- anammox and archaeal partners namibian Namibian EF6461
DQ109897.1 gg_id:144289 Sulfate-reducing mats: Changing paradigms new discoveries salt pan lithifying micro DQ109
DQ331000.1 gg_id:159288 Guerrero Negro hypersaline microbial mat clone 09D2Z35 DQ331
DQ017950.1 gg_id:131476 upland stream clone S-Btb7_59 DQ017
EU735620.1 gg_id:341251 archaeal structures and pristine soils China oil contaminated soil Jidong Oilfield clone EU7356
DQ811828.1 gg_id:168400 mangrove soil clone MSB-5C5 DQ811
GU230393.1 gg_id:569799 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal sediment clo GU230
FJ712531.1 gg_id:522005 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7125
EF125442.1 gg_id:180089 mangrove soil clone MSB-2E2 EF1254
EU134562.1 gg_id:240430 tallgrass prarie soil clone FFCH3849 EU1345
FJ444722.1 gg_id:511782 Cotton Rhizosphere cotton rhizosphere clone 4h-15 FJ4447
EF515980.1 gg_id:225442 grassland soil clone FCPU709 EF5159
EU499706.1 gg_id:267841 Field-based laboratory stable isotope probing surveys identities both aerobic and an EU4997
EU134489.1 gg_id:241205 tallgrass prarie soil clone FFCH15672 EU1344
FJ444704.1 gg_id:542445 Cotton Rhizosphere cotton rhizosphere clone 3y-25 FJ4447
EF646143.1 gg_id:236868 Potential interactions particle- anammox and archaeal partners namibian Namibian EF6461
DQ269115.1 gg_id:198233 marine macro-alga surface clone DPC224 DQ269
AF354167.1 gg_id:72214 marine methane seep clone 1454 AF3541
EU925840.1 gg_id:315558 sediments sediment station DBS1 northern Bering Sea clone 021E37 EU9258
FM242274.1 gg_id:326899 sequences sediment clone 91 T0h-oil FM242
FM242273.1 gg_id:350825 sequences sediment clone 5 T0h-oil FM242
AJ009449.1 gg_id:10596 anaerobic TCB-transforming consortium clone SJA-5 AJ0094
EF516099.1 gg_id:220025 grassland soil clone FCPS738 EF5160
EU202850.1 gg_id:333825 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU2028
GU390844.1 gg_id:518730 Dark hot springs: structure biofilms caves Acquasanta Terme (Italy) sulfidic cave stre GU390
CU923736.1 gg_id:565643 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU9237
AF280857.1 gg_id:45556 bioreactor clone mle1-27 AF2808
EU134474.1 gg_id:236608 tallgrass prarie soil clone FFCH14176 EU1344

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55.2	3371.2	6398.1	6852.8	4051.8	5520.4	5069.4	6022.1	11397.5	53.9	2157.5
302.5	845.7	1034.1	1257.7	1007.8	858.6	1369.5	683.8	261.3	156.7	459.6
1307.7	4662.9	4861.1	5525.8	4873.6	4547.4	5233.0	5600.4	5341.1	4871.7	4761.4
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1852.7	5859.2	6448.3	7255.2	7349.7	6248.5	7535.0	6128.6	5100.9	5746.2	5260.6
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49.6	901.0	1258.6	1329.7	1140.8	944.5	2378.2	1373.2	444.7	181.3	464.3
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1497.0	3307.5	3685.4	4396.3	3907.1	3628.1	5018.5	4613.6	3285.1	2115.3	3909.8
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6320.9	6628.9	7427.8	7857.1	8564.4	6441.0	8258.2	8109.9	9614.4	5868.6	7245.6
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128.8	1901.4	3107.4	3198.7	3763.9	2706.8	4812.0	3210.7	1192.8	315.3	1170.2
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2612.4	3705.5	4632.1	4502.3	4430.1	4115.3	4946.6	5284.0	3217.9	2871.3	2616.2
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5063.9	5737.1	5984.3
3853.1	4899.9	6247.2
8507.6	8269.4	9726.4
6776.2	5948.3	5773.5
6066.4	6515.2	7626.0
4947.9	5411.4	6300.5
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828.9	909.4	1018.1
1005.7	1196.7	2083.4
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7448.8	8595.5	8484.7
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5125.4	2701.4	4088.3
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8601.1	6871.0	7644.8
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7590.3	5514.8	6928.1
6239.8	4685.8	5096.6
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956.1	727.5	1183.1
6731.3	7216.5	9204.4
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12118.7	10536.5	12028.1

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DQ129243.1 gg_id:137768 microarray level air two cities Texas urban aerosol clone AKIW405 DQ129
AF421890.1 gg_id:70239 Polyangium cellulosum str. NUST_6 AF4218
FJ416092.1 gg_id:361919 sediments sediment station NEC5 Northern Bering Sea clone 047M27 FJ4160
AY869685.1 gg_id:112279 ridge flank crustal fluids clone FS266-77B-03 AY8696
EU919813.1 gg_id:351152 Kongsfjorden western Spitsbergen Svalbard ocean water clone b132 EU9198
DQ015820.1 gg_id:140293 Antarctic lake water clone ELB19-125 DQ015
DQ396146.1 gg_id:154831 deep-sea octacoral clone ctg_NISA283 DQ396
DQ289938.1 gg_id:162701 Microbial Carbon and Nitrogen Cycling Sediments South Atlantic Bight Permeable Sh DQ289
FJ203381.1 gg_id:333342 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h FJ2033
AY869686.1 gg_id:111722 ridge flank crustal fluids clone FS266-91B-03 AY8696
FM179869.1 gg_id:354477 Biogeochemical processes microbial Gullfaks and Tommeliten methane seeps (Nortl FM179
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EU491634.1 gg_id:268705 Abundance and microbial life ocean crust seafloor lavas East Pacific Rise clone EPR39 EU4916
AM997336.1 gg_id:559828 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
EU491229.1 gg_id:262635 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU4912
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FM201096.1 gg_id:565517 and distinct induced biofilm fouling operated under conditions laboratory-scale men FM201
AB278147.1 gg_id:178175 hydrothermal vent prokaryotes trapped 0.2- and 0.1-micro-m-filtrates obtained Mar AB2781
AB015243.1 gg_id:10680 deepest cold-seep area Japan Trench clone JTB38 proteobacterium AB0152
EU491278.1 gg_id:264210 Abundance and microbial life ocean crust seafloor lavas Loi'hi Seamount Pisces Peak EU4912
DQ070816.1 gg_id:148800 Prokaryotic Structures Seafloor Basalts Varying Age East Pacific Rise and Ridge basal DQ070
EU734958.1 gg_id:328791 assemblages sediment station DBSE Northern Bering Sea clone 051C67 EU7349
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AF317744.1 gg_id:136925 Nullarbor cave clone wb1_A15 AF3177
EU287161.1 gg_id:235691 Pacific arctic surface sediment clone P13-68 EU2871
AB252955.1 gg_id:170623 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 127 AB2529
FM253643.1 gg_id:334324 Rock gold mine unusually microbial biofilm clone C01-2 FM253
EU048674.1 gg_id:250443 and archaeal surface marine sediment Slope South China Sea clone MD2896-B15 EU0486
FJ416121.1 gg_id:357893 sediments sediment station NEC5 Northern Bering Sea clone 107N50 FJ4161
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EU287148.1 gg_id:236118 Pacific arctic surface sediment clone P13-55 EU2871
AM997677.1 gg_id:573417 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
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EU287128.1 gg_id:250580 Pacific arctic surface sediment clone P13-35 EU2871
EU290680.1 gg_id:253113 microbial structure biogeochemical contrasting shelf sediments Namibian upwelling EU2906
EF208656.1 gg_id:200746 Vertical and horizontal structure microbial sandy carbonate sediment clone CI35cm.2 EF2086
EU734976.1 gg_id:325676 assemblages sediment station DBSE Northern Bering Sea clone 070C81 EU7349

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74.0	1357.5	1978.5	2025.8	2390.0	2148.9	2341.9	3797.9	2080.7	614.7	1288.4
1238.0	2254.2	2961.0	2856.0	3060.8	2319.3	5601.2	2410.3	1827.1	541.4	1833.3
47.1	221.8	191.4	274.8	382.5	177.0	384.8	293.4	46.2	16.5	87.9
2038.0	5583.0	6160.8	6964.5	7277.9	5884.6	7588.5	5605.5	5853.8	4922.8	4771.1
1752.9	3994.4	4500.2	5683.8	5340.8	4581.3	6554.6	4732.7	4698.6	3194.9	4538.2
14824.5	6522.0	6706.5	7716.5	8756.6	6259.3	8368.0	6426.5	6965.7	5026.5	7455.0
1152.0	6507.2	9345.4	9134.8	10080.9	8873.3	8234.2	9316.6	6242.5	6569.0	7377.8
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43.6	424.1	527.3	505.9	495.1	491.5	845.6	529.4	207.9	119.1	173.3
410.8	3647.8	3625.6	3374.0	3554.8	2820.4	3796.2	3202.1	3827.8	2252.5	3430.9
2585.1	6636.5	7961.5	8634.1	6795.2	7401.8	7865.6	6569.5	10069.8	6404.9	7798.6
1973.0	3955.9	4465.8	4768.9	5627.6	3853.2	8521.2	4394.5	3252.0	1948.8	3812.0
1933.7	4146.7	5008.1	6028.0	6995.1	4499.0	6828.0	5124.6	3931.6	1696.5	3920.9
1227.5	7299.6	6273.8	7063.7	8060.4	6440.9	10432.1	7124.0	5564.5	3618.2	6435.4
288.0	4294.0	5177.4	6152.4	5148.9	4436.3	9574.7	4825.4	2991.7	656.6	3699.7
6357.8	3226.3	3861.9	4038.3	4377.0	3563.0	4635.8	4571.1	4533.0	3592.5	4461.1
3239.2	5101.0	5533.9	6035.7	7473.3	5566.5	7385.2	5401.0	4531.3	2902.6	4879.2
302.5	2384.6	3363.2	3958.7	4061.0	2977.0	4930.3	3329.1	1633.3	1750.1	1955.5
554.4	3614.1	3352.4	3563.4	3975.6	3162.4	4746.0	4187.0	2543.6	2513.2	2358.0
953.0	2325.6	2494.3	2068.6	3646.1	2460.5	3880.8	3066.9	1427.4	733.9	1718.9
2297.5	5178.8	5179.4	3808.4	6681.3	4845.3	7814.9	5737.3	4731.2	3638.8	5236.7
10037.1	8448.6	7360.8	7789.8	8325.5	7449.8	8960.1	7198.1	7448.1	6850.5	7210.0
2546.7	6841.4	7467.0	7811.0	7314.6	7283.5	9281.3	6954.5	5497.5	4667.9	7516.3
1049.2	3108.5	2816.4	2781.9	3650.4	2950.9	5513.5	3415.7	1112.2	2979.7	1602.0
1388.3	6114.0	5968.9	8388.4	9137.0	6273.5	10019.5	6084.2	4146.1	4703.0	5193.4
2555.4	6391.5	6611.5	7964.9	6242.2	6307.7	10007.7	6836.6	6031.9	6673.1	7405.7
2033.3	7782.4	7177.3	8011.2	8584.7	7724.2	10141.0	7418.3	5210.6	6507.6	5772.0
2472.9	4939.5	5267.1	5934.0	5527.6	5085.4	6979.4	5387.9	4627.8	8534.1	4930.6
3807.0	5551.9	5784.1	6579.1	7312.5	5110.0	8285.8	5149.0	6639.0	5709.7	6320.2
614.4	4640.8	4595.3	5028.2	6079.7	4638.7	7387.5	4930.0	2789.3	2107.2	4114.0
5734.5	2990.9	2857.1	2490.2	3088.6	2632.8	3599.7	2714.7	3473.8	4827.2	2879.4
8200.8	8994.7	9703.2	10167.2	10182.1	8607.4	12856.7	8205.5	10073.0	7696.0	12181.5
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801.4	4016.3	3575.6	3625.1	4680.6	3664.7	7900.9	3703.3	4205.2	3077.1	4068.8
187.3	3192.0	2664.4	2732.3	3049.4	2376.8	4080.3	2709.5	1671.8	990.2	1619.2
238.4	2454.5	3075.7	3170.4	2846.2	3716.2	3394.5	3197.5	1859.1	2834.2	1997.0
299.6	3998.2	4444.3	5007.6	4494.1	4036.2	5413.7	3366.3	5473.9	2689.2	4838.1
33.3	66.7	83.2	110.0	98.8	49.2	461.5	109.7	18.5	10.4	28.0
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5770.2	6836.5	7127.5
9029.2	7178.8	7674.7
5753.9	6441.9	6465.1
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2718.5	3149.3	3428.0
6474.1	8238.3	9343.7
3863.3	4371.3	4332.3
4319.5	4525.8	5623.0
6597.9	6249.6	8537.2
4572.3	3688.1	4399.1
4068.7	4366.1	5036.1
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3592.5	2965.6	3707.9
3874.0	3514.8	5782.2
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4623.9	4836.8	6516.4
4884.2	4479.1	5817.3
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8122.2	7698.2	9444.6
3654.3	4390.3	4843.7
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EU925834.1 gg_id:315157 sediments sediment station DBS1 northern Bering Sea clone 001E3 EU925
FJ479395.1 gg_id:591473 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4793
DQ289896.1 gg_id:165188 Microbial Carbon and Nitrogen Cycling Sediments South Atlantic Bight Permeable Sh DQ289
EU050853.1 gg_id:246832 libraries sediment Kings Bay Svalbard Arctic clone ss1_B_08_44 EU050
EU373896.1 gg_id:263721 southern Cretan margin (eastern Mediterranean Sea) canyon and slope sediment clc EU373
FJ203391.1 gg_id:349173 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata h FJ2033
FJ416109.1 gg_id:359523 sediments sediment station NEC5 Northern Bering Sea clone 084L59 FJ4161
GQ246453.1 gg_id:562069 Temporal and spatial China North Yel Sea sediments clone Ld1-58 GQ246
FM179874.1 gg_id:327682 Biogeochemical processes microbial Gullfaks and Tommeliten methane seeps (Nortl FM179
EU652604.1 gg_id:278639 Seasonal variation microbial Yel Sea sediment clone B8S-84 EU652
FJ358879.1 gg_id:563535 and redox-stratified sediments marine reef sandy sediment clone OX62 FJ3588
DQ676409.1 gg_id:223862 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
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DQ129097.2 gg_id:195967 forest soil clone CWT SM02_H11 DQ129
EU234198.1 gg_id:236923 receiving river and un techniques effluent WWTP treating penicillin G production wa EU234
AB252953.1 gg_id:165369 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 024 AB252
EU617842.1 gg_id:348822 Seasonal variation microbial Yel Sea sediment clone D13S-27 EU617
GU118825.1 gg_id:542878 Threatened Corals Provide Microbial Habitats clone Mfra_O14 GU118
DQ395065.1 gg_id:150819 harbor sediment clone VHS-B5-73 DQ395
AF354155.1 gg_id:71658 marine methane seep clone 1510 AF354
EU734963.1 gg_id:344456 assemblages sediment station DBSE Northern Bering Sea clone 057D15 EU734
EU236344.1 gg_id:296500 Haliclona gellius: sponge and symbionts 13 m depth Pacific Ocean clone Hg5a2H11 EU236
AF317771.1 gg_id:136770 Nullarbor cave clone wb1_N15 AF317
GU230398.1 gg_id:581179 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal sediment clo GU230
FJ358881.1 gg_id:588965 and redox-stratified sediments marine reef sandy sediment clone SO51 FJ3588
EU287101.1 gg_id:255323 Pacific arctic surface sediment clone P13-8 EU287
EU050852.1 gg_id:236169 libraries sediment Kings Bay Svalbard Arctic clone ss1_B_01_50 EU050
AM935597.1 gg_id:561217 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
DQ787717.1 gg_id:163996 holocene lake sediment clone SLB622 DQ787
AM936057.1 gg_id:542911 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
AF154103.1 gg_id:10724 hydrocarbon seep clone GCA047 AF154
DQ331004.1 gg_id:159301 Guerrero Negro hypersaline microbial mat clone 10D2Z33 DQ331
AM490745.1 gg_id:592584 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
GU362952.1 gg_id:555750 and archaeal biogeochemical cycling genes within Qiongdongnan basin Sea: pilot stu GU362
AF154094.1 gg_id:10677 hydrocarbon seep clone BPC065 AF154
EU246004.1 gg_id:253746 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P1-D07 EU246
EU360307.1 gg_id:277150 microbial fuel cell enriched sediment clone FWS 711 EU360
DQ109919.1 gg_id:143327 Sulfate-reducing mats: Changing paradigms new discoveries salt pond nonlithifying DQ109
DQ676442.1 gg_id:217352 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
CP001322.1 gg_id:514785 Desulfatibacillum alkenivorans str. AK-01 CP001
AY493562.1 gg_id:103090 Desulfatibacillum alkenivorans str. PF2803 AY493

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45.8	317.1	245.5	181.0	518.9	209.5	445.6	271.9	82.3	329.1	206.3
199.7	2618.7	2621.6	3188.9	3872.5	2663.0	4870.4	2747.0	1159.2	261.5	1920.7
923.0	1888.6	1962.2	2186.2	725.0	1952.2	2835.1	1864.6	1886.7	1051.6	2085.4
10983.3	6016.6	6224.7	6617.6	5000.4	4851.6	6508.2	5717.4	5215.2	5761.8	5502.7
672.8	4132.8	5024.4	4913.8	5581.8	4578.5	5580.1	5251.6	4076.3	4545.2	3530.8
5366.8	7855.8	8177.5	9402.9	10083.8	8497.1	10490.6	7931.7	7266.9	6756.9	7613.5
6738.5	6295.4	7657.3	8118.9	8731.9	6808.0	8242.9	7863.0	5297.7	6985.3	5826.8
8937.4	8281.6	8595.8	9793.3	10939.5	8293.9	11645.7	7706.4	8171.0	7746.8	10177.9
2171.8	5494.9	5055.1	5612.7	6095.4	5460.1	9939.5	6373.5	4834.5	3305.5	5797.6
3406.8	6484.4	7688.3	7737.6	8249.3	6645.2	8748.1	7680.7	5222.1	6587.8	5887.8
94.2	1394.2	1755.5	2379.4	4663.8	1939.1	7150.8	1804.5	506.4	347.2	982.3
390.9	4504.1	4256.5	4644.1	5476.4	4304.4	6823.4	4207.5	2671.6	1993.9	3405.1
708.8	1427.3	1339.6	1416.3	1984.4	1557.8	2262.7	1388.8	1218.7	1112.2	1662.6
417.6	5453.9	5983.9	6777.8	7713.7	5047.6	10151.7	5165.1	4514.5	1996.9	4964.3
39.6	33.9	91.8	114.2	250.6	203.5	3717.5	556.9	100.7	25.9	39.9
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1940.6	5116.8	4747.5	5316.3	6929.1	4552.2	7331.1	5089.2	4045.1	3122.9	3577.4
156.9	2910.8	3616.8	4237.3	3847.3	2866.1	4507.7	3725.7	1905.5	1637.6	2200.1
13448.6	6026.9	5274.4	6177.1	6836.4	5241.1	7867.9	6430.0	4159.6	2896.9	4512.6
38.2	160.9	113.3	95.6	199.7	127.5	383.3	132.5	49.4	23.2	81.1
246.3	3010.8	2103.7	2578.0	2617.9	2625.0	3537.1	3127.9	2087.8	2113.2	2850.0
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4131.0	7414.9	8036.0	9047.0	10325.0	7500.3	10726.9	7609.5	6377.1	6150.4	7409.2
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92.8	4506.0	4001.9	6313.2	11601.2	4181.5	10355.0	3891.0	508.5	955.3	1585.4
754.3	5956.6	6525.3	7249.6	8523.5	6578.3	8465.3	6086.8	2867.2	1915.8	4250.4
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71.3	3389.8	3655.1	3944.0	4705.8	3648.3	5884.3	3388.7	2092.3	701.4	2608.6
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437.4	391.6	368.0	655.7	415.8	341.1	600.0	575.0	641.3	90.6	255.2
869.0	2816.7	2564.4	2908.9	2877.5	2989.8	2925.0	3553.5	3380.7	2255.3	3263.9

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167.2	368.3	729.1
2061.6	1996.8	2216.1
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5013.7	5211.5	5156.9
6293.5	5269.6	4521.5
7731.6	9562.6	10650.9
7243.5	7869.4	8091.4
7550.9	8482.8	8950.4
5236.1	5217.7	5846.9
7911.4	7848.6	9613.9
1161.3	1666.4	2355.1
3580.0	4772.4	6562.7
952.1	1517.3	1673.6
4560.1	4853.9	6994.7
206.6	152.1	61.9
5572.9	5818.6	8368.6
7663.0	5910.5	7584.0
5611.5	6217.3	6261.6
4579.0	4904.2	6156.2
3146.7	2916.9	3540.0
6100.0	5599.7	6479.0
110.0	126.6	260.1
2404.7	2888.9	3812.8
6028.7	4143.3	4702.9
8169.0	6963.1	8673.1
6732.1	6132.4	6485.7
5777.8	7106.4	7514.4
2743.6	2258.8	3095.3
5120.2	5696.3	8027.2
6151.0	6380.6	5907.5
2904.8	2681.3	5498.6
4022.8	4385.4	5090.6
6242.8	5330.1	5656.7
1385.4	1375.1	2569.7
7715.2	7728.6	9567.9
6916.2	7473.9	8667.0
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AY184360.2 gg_id:79514 Desulfatibacillum aliphaticivorans str. CV2803 AY1843
AF418175.1 gg_id:74171 Desulfobacter curvatus str. DSM 3379 AF4181
NR_025348.1 gg_id:572343 Desulfobacterium anilini str. Ani1; DSM 4660 NR_02
CP001087.1 gg_id:523103 Desulfobacterium autotrophicum str. HRM2 CP001
AY542197.1 gg_id:113166 Gulf Mexico seafloor sediments clone GoM HDB-06 AY542
AF026998.1 gg_id:10771 hot spring clone OPB16 AF026
AY771951.1 gg_id:111847 marine surface sediment clone SI28 AY771
GU362956.1 gg_id:533418 and archaeal biogeochemical cycling genes within Qiongdongnan basin Sea: pilot stu GU362
EU385666.1 gg_id:262547 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
AF029045.1 gg_id:10904 Benzene mineralizing consortium complete clone SB-21 consortium AF029
FJ716478.1 gg_id:566769 Uncultivated archaea sulfate-reducing biofilm Frasassi cave system anoxic lake water FJ7164
FJ485020.1 gg_id:566534 microbial autonomous rover world's deepest phreatic sinkhole biomat El Zacaton 114 FJ4850
GQ356929.1 gg_id:544180 Metal Dependent Marine Methane Oxidation methane seep sediment clone Fe_B_1 GQ356
AF029048.1 gg_id:10906 Benzene mineralizing consortium complete clone SB-30 consortium AF029
DQ330997.1 gg_id:159166 Guerrero Negro hypersaline microbial mat clone 09D2Z19 DQ330
AY592183.1 gg_id:99181 marine ANAMMOX sediment clone AY592183 AY592
FJ628304.1 gg_id:564870 transition and zone within near-shore basin: brackish water anoxic fjord Nitinat Lake FJ6283
FN396628.1 gg_id:565202 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_0_II FN396
FJ437822.1 gg_id:535056 Benthic okenone production Fayetteville New York Green Lake chemocline 20.5 m wa FJ4378
DQ109878.1 gg_id:142790 Sulfate-reducing mats: Changing paradigms new discoveries salt pan lithifying micro DQ109
AB177158.1 gg_id:132816 seafloor methane hydrate clone ODP1230B17.18 AB177
GU180164.1 gg_id:540242 Impact coplanar PCBs on microbial activity anaerobic estuarine sediments sediment GU180
AM086120.1 gg_id:145576 Abundance and archaea mesotrophic Lake Kinneret lake profundal sediment clone AM086
AM745206.1 gg_id:294510 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
EU385798.1 gg_id:274378 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
EU385717.1 gg_id:276920 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
EU925857.1 gg_id:328502 sediments sediment station DBS1 northern Bering Sea clone 052E88 EU9258
FM164951.2 gg_id:395222 two Bulgarian geothermal springs hot spring clone S1-53 FM164
DQ811822.1 gg_id:164969 mangrove soil clone MSB-5A4 DQ811
EU245381.1 gg_id:238545 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-M1-A0 EU2453
AY542227.1 gg_id:113116 Gulf Mexico seafloor sediments clone GoM IDB-15 AY5422
AM229200.1 gg_id:575796 Microbial vicinity and within hydrates Hydrate Ridge (Cascadia Margin) marine gas h AM229
EU385917.1 gg_id:270552 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S EU385
GU302479.1 gg_id:557390 Spatial structure and activity sedimentary microbial underlying Beggiatoa spp. mat h GU302
EU592476.1 gg_id:592826 Seasonal changes Salton Sea hypersaline sediment clone SSS17A EU5924
DQ521799.1 gg_id:159904 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexico DQ521
FN429786.1 gg_id:548583 Biogeochemistry -activity cold seep Larsen B area western Weddell Sea Antarctica m FN429
FJ264650.1 gg_id:339335 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2646
DQ676438.1 gg_id:221104 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
DQ925877.1 gg_id:252087 Microbes and Thermal Gradients Temperature Hydrothermal Chimneys hydrotherm DQ925
AB015244.1 gg_id:10939 deepest cold-seep area Japan Trench clone JTB133 proteobacterium AB015

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34.0	808.1	1167.0	1397.0	827.4	887.7	952.3	877.1	341.9	33.5	784.5
35.3	19.5	49.0	39.0	19.0	13.9	18.0	14.4	15.3	15.6	22.8
7180.5	4978.4	4994.7	5259.4	4639.6	4545.9	5429.7	4712.3	3647.5	3430.3	3449.4
1430.0	4557.4	5023.7	6616.2	6967.5	4079.6	6078.0	6012.1	1599.4	707.3	3357.5
80.6	427.0	649.7	862.5	922.9	389.1	738.6	543.8	293.4	234.1	451.0
48.2	523.1	465.6	631.4	289.8	610.4	320.5	820.0	265.3	40.5	671.6
130.3	1459.2	2616.9	2114.8	1387.0	1263.6	1592.7	1766.2	636.1	483.8	1591.9
25442.3	5780.4	5577.2	6342.3	6599.4	5481.8	8396.6	5315.8	10061.2	7433.8	8633.8
43.7	120.2	216.8	214.3	68.2	100.8	165.1	139.5	55.4	27.5	68.6
984.1	4552.8	5151.9	5776.9	4188.3	4336.8	5139.0	4152.9	3854.6	874.6	4194.4
10680.0	9238.2	9039.3	9489.0	10678.2	8872.0	10776.8	8809.7	9014.8	5780.5	9690.0
24334.9	6105.5	6405.9	5846.5	5924.0	5742.9	6539.0	5332.1	9370.2	6462.0	8572.5
9327.6	4358.0	5150.0	5034.9	4572.8	3746.4	6467.0	4371.4	3573.5	2790.9	5511.1
80.1	181.5	249.2	337.6	168.8	191.5	238.9	149.9	124.6	25.8	92.3
29.7	53.3	71.2	64.5	30.3	33.4	59.2	37.4	18.9	15.6	33.7
9417.5	4961.5	5027.5	5488.1	5574.0	5650.7	5612.3	4987.1	8027.2	4921.8	6655.3
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6086.3	3875.6	4241.4	4491.4	4488.1	3918.7	5006.0	3797.9	2749.9	2110.3	3849.4
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15724.5	3868.9	4467.5	3830.4	3880.9	3538.6	4274.2	3400.7	5241.1	4710.7	5074.3
383.1	3159.3	3486.7	4840.8	4446.9	4811.9	4937.6	3562.5	1772.8	1115.2	2457.9
32.5	25.5	43.7	49.5	33.0	29.0	32.2	18.6	21.9	12.9	17.8
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1183.5	3216.4	3133.0	4013.7	3966.7	3662.9	4069.4	3215.5	2312.4	822.0	3348.6
85.0	425.7	328.7	357.3	518.8	328.9	456.9	290.8	168.2	138.1	179.5
42.1	183.3	323.9	381.8	158.8	153.1	161.1	323.3	64.1	105.0	102.5
2424.1	6034.4	7664.9	8138.5	8523.1	6673.1	9137.0	7045.3	5610.5	2189.9	6678.2
46.5	132.3	260.3	229.5	92.4	85.5	105.0	115.1	35.4	27.1	70.2
1276.5	5065.1	5506.1	6213.6	4986.5	5466.5	5647.8	4676.7	3031.0	2816.2	4788.4
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2529.3	2465.4	2940.9	3212.3	5328.2	4184.5	2696.3	2928.9	1579.3	614.4	1734.5
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202.4	212.1	256.3
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U85471.1 gg_id:10941 Desulfobacterium sp. str. BG18 U8547
AY197382.1 gg_id:86333 Guaymas Basin hydrothermal vent sediments clone B01R011 AY1973
AY197376.1 gg_id:86388 Guaymas Basin hydrothermal vent sediments clone B01R004 AY1973
AJ441316.1 gg_id:67542 Desulfobacula toluolica str. DSM 7467 AJ4413
CP000859.1 gg_id:255870 Desulfococcus oleovorans str. Hxd3 CP000
DQ103668.1 gg_id:132520 hypersaline endoevaporitic microbial mat clone E4aE11 DQ103
GQ249552.1 gg_id:546119 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 12-14 cm layer cl GQ249
EU246073.1 gg_id:238062 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P2-H01 EU246
DQ397423.1 gg_id:159502 Guerrero Negro hypersaline microbial mat clone 04D2Z68 DQ397
GQ249596.1 gg_id:544699 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 12-14 cm layer cl GQ249
FJ712553.1 gg_id:521361 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7125
AM176871.1 gg_id:160902 Recovery mangrove sediment clone SZB46 AM176
EU245312.1 gg_id:257695 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-H5-H01 EU2453
EU245273.1 gg_id:256695 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-H5-B05 EU2452
AF513951.1 gg_id:111956 hypersaline lake clone LA30-B27 AF5139
AJ620510.1 gg_id:108098 Olavius crassitunicatus endosymbiont AJ6205
EU245134.1 gg_id:241850 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-H2-G09 EU2451
AF099063.1 gg_id:10900 Desulfofaba gelida str. PSv29 AF0990
AB015240.1 gg_id:10907 deepest cold-seep area Japan Trench clone JTB16 AB0152
NR_028732.1 gg_id:592871 Desulfofrigus fragile str. LSv21; DSM 12345 NR_02
AB189366.1 gg_id:113570 cold seep sediment clone JT75-121 AB1893
FM242377.1 gg_id:349097 sequences sediment clone 19 T9d+oil FM242
EF125385.1 gg_id:194587 soil naked tidal flat sediment near mangrove clone MSB-1ax8 EF1253
FM242229.1 gg_id:322751 sequences sediment clone 96 T0h-oil FM242
AB530178.1 gg_id:583955 Monitoring Suez and Tokyo bays based on analyses marine sediment clone Suez..Ba AB5301
DQ351771.1 gg_id:147847 Microbial Adherent Sediment Particles Heavy Metal Contaminated North Sea Surfac DQ351
EF442994.1 gg_id:248725 Desulfotignum sp. str. DSM 7120 EF4429
AF233370.1 gg_id:31826 Desulfotignum balticum str. Sax (DSM 7044) marine mud AF2333
EU047532.1 gg_id:251611 Anaerobic degradation benzene marine and cell hybridization dominant phylotype b EU0475
EU047529.1 gg_id:235729 Anaerobic degradation benzene marine and cell hybridization dominant phylotype b EU0475
AM882605.1 gg_id:330092 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
EU386050.1 gg_id:264473 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU3860
AB240476.1 gg_id:143077 microbial structure rhizosphere biofilm Sapporo root-tip (0 40 mm) Phragmites Sosei AB2404
EU048686.1 gg_id:245974 and archaeal surface marine sediment Slope South China Sea clone MD2896-B29 EU0486
EF454380.2 gg_id:222931 termite hindgut clone 290cost002-P3L-2033 EF4543
EU487868.1 gg_id:561085 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and EU4878
EU885093.1 gg_id:305714 microbial hindgut chamber Pomacanthus sexstriatus GI tract clone A2A5 EU8850
FJ712462.1 gg_id:526057 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) k FJ7124
EF454653.2 gg_id:226987 termite hindgut clone 290cost002-P3L-2488 EF4546
EU622291.1 gg_id:289758 syntrophic partnerships deep-sea vents direct cell capture and metagenomics Eel Ri EU6222
AM490751.1 gg_id:537744 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490

45.7	114.9	263.1	214.0	127.1	157.4	280.5	172.2	57.4	217.7	99.0
60.7	113.9	297.9	239.2	79.7	113.0	277.4	110.2	44.1	33.6	173.5
53.4	128.4	164.7	136.3	119.2	81.5	215.1	113.3	41.0	23.8	84.5
71.4	1940.2	2343.8	1905.4	1063.5	1267.4	2059.1	1391.0	1023.7	935.1	1122.2
33.5	153.8	470.3	392.8	175.0	203.4	275.4	149.3	53.6	27.3	162.2
2184.0	3663.6	4223.3	4730.6	5198.7	3635.9	6609.1	3742.2	2387.1	2135.6	2705.9
108.6	4545.7	5217.6	4943.6	3950.5	3151.6	6189.5	4391.5	1829.2	584.2	3154.4
7111.4	6077.0	7096.9	6859.5	7506.2	6406.2	9718.6	5722.8	4497.5	7063.0	5956.7
5271.1	5089.0	4693.8	5631.9	6156.9	5306.7	6716.6	5044.8	3991.5	2681.1	5913.6
104.1	3172.4	3777.9	3851.6	2999.3	2811.3	4690.8	3030.8	1105.6	594.6	2567.7
207.2	3632.4	3989.1	5217.9	4213.6	2778.6	5484.6	3500.6	2621.1	2535.8	3391.1
619.7	3290.7	3758.0	4116.5	3162.7	2550.1	4592.4	3828.7	2545.0	444.5	2141.3
159.8	464.4	545.1	673.7	616.6	488.8	763.2	654.3	211.4	86.4	373.3
3088.0	1874.4	1606.4	2191.9	2015.2	1729.3	2713.6	2103.1	1036.2	1266.1	2164.9
34.4	458.3	599.1	581.8	841.1	997.7	482.3	757.5	192.5	330.3	212.9
39.0	487.9	740.1	758.9	782.8	593.0	858.4	520.5	206.4	48.0	170.5
6261.8	8102.6	8497.9	8911.8	8378.1	7379.0	11158.4	7521.1	7792.9	5443.0	10326.3
593.8	4808.3	5402.3	5168.1	4512.8	4918.0	7020.3	4047.5	3358.7	3094.7	4044.0
226.0	741.4	944.5	1256.7	798.1	756.1	1472.8	1849.1	521.0	572.1	1681.0
210.8	3579.5	3460.7	2825.3	4906.8	3227.5	5055.1	3469.3	3367.7	1990.6	1595.2
380.4	2838.5	3259.9	3596.6	2856.0	2429.5	3470.6	3124.5	2018.3	1220.0	2456.4
3037.4	5492.3	6617.6	7238.7	5492.6	5861.2	8063.4	5796.1	3798.9	2719.0	6558.5
2254.4	3935.8	3994.3	4061.5	3224.0	3463.3	4604.4	3731.7	4689.4	2296.8	3958.8
54.9	2150.6	3045.3	2746.0	2658.0	1580.7	4064.9	1815.7	669.1	234.0	991.5
880.0	1621.3	2168.2	2258.7	2090.2	2033.8	2636.1	1990.0	1593.1	2686.3	2249.7
10405.6	3342.1	3551.6	4483.9	3466.4	3653.3	4012.9	3515.4	4609.4	4878.1	4988.2
3234.7	4005.7	5304.3	5215.8	4539.0	4322.0	5323.7	4522.3	3652.2	3057.4	4153.4
1844.0	5216.1	6503.4	5266.8	4658.2	4498.4	6189.8	5229.5	6809.3	3400.8	6399.7
243.6	3566.2	4382.3	2005.8	1447.4	1978.7	1710.5	2225.6	2503.8	2107.6	2072.4
1151.5	2666.6	3191.3	3193.7	2068.6	2148.4	2533.8	2111.1	2032.8	2158.4	2688.2
846.1	3293.6	3109.6	2683.2	3133.4	2555.7	3399.0	2598.6	2532.8	2034.2	2550.7
4507.3	3347.6	3550.0	3750.7	3706.8	3085.6	4129.3	3177.8	2570.2	2696.6	3689.7
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960.1	1158.8	1483.9
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1652.8	2224.2	2032.8
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2276.3	3433.6	3097.6
2166.4	2407.7	2409.7
4895.5	5041.7	5515.8
8577.9	10170.1	9851.6
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GQ844347.1 gg_id:542030 Microbial full-scale produced water treatment plant biofilm anoxic tank clone BB-HE GQ844
EF454687.2 gg_id:223294 termite hindgut clone 290cost002-P3L-2541 EF4546
AY542569.1 gg_id:113399 Gulf Mexico seafloor sediment clone GoM GB425 12B-61 AY5425
FJ484450.1 gg_id:571089 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4844
AB234533.1 gg_id:145609 termite gut homogenate clone MgMjD-089 AB2345
AB240382.1 gg_id:150612 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB2403
EU246159.1 gg_id:248560 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P4-E05 EU2461
FJ516879.1 gg_id:552734 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled upper s FJ5168
AM882604.1 gg_id:333017 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
EU385937.1 gg_id:262118 Stratified microbes sediments Core MD05-2902 subseafloor sediment South China S EU3859
AM882591.1 gg_id:327370 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
DQ831539.1 gg_id:171382 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
EU246034.1 gg_id:249930 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P1-H08 EU2460
AM086154.1 gg_id:147459 Abundance and archaea mesotrophic Lake Kinneret lake profundal sediment clone AM086
EF014726.1 gg_id:225865 Candidatus Magnetoglobus multicelularis gen. sp. nov. multicellular magnetotactic p EF0147
AM086124.1 gg_id:146208 Abundance and archaea mesotrophic Lake Kinneret lake profundal sediment clone AM086
EF442981.1 gg_id:237295 Desulfocella sp. str. DSM 2056 EF4429
EU399670.1 gg_id:273059 and localization microbial consortium full-scale granular activated carbon anaerobic EU3996
FJ264667.1 gg_id:311003 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2646
AY222309.1 gg_id:113207 host hindgut caecum clone Del 19 AY2223
DQ811835.1 gg_id:173313 mangrove soil clone MSB-5E7 DQ811
U45989.1 gg_id:10869 Desulfonema magnum str. DSM 2077 anaerobic mud seawater lagoon (Etang de Prevost U45989
AB189380.1 gg_id:114027 cold seep sediment clone JT75-319 AB1893
AB188779.1 gg_id:113838 cold seep sediment clone SB3-7 AB1887
FJ789839.1 gg_id:534671 Desulfobotulus sapovorans str. ATCC 33892; 1pa3 FJ7898
FM242270.1 gg_id:314257 sequences sediment clone 4 T0h-oil FM242
EU160523.1 gg_id:352459 diagnosis central-venous infections cultivation-dependent and techniques biofilm sc EU1605
FJ202141.1 gg_id:314793 and White Plague Disease-Induced Changes Caribbean Coral Montastraea faveolata k FJ2021
EU385675.1 gg_id:272166 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU3856
DQ395063.1 gg_id:156126 harbor sediment clone VHS-B5-66 DQ395
DQ397412.1 gg_id:159381 Guerrero Negro hypersaline microbial mat clone 02D2Z96 DQ397
DQ811836.1 gg_id:173385 mangrove soil clone MSB-5F12 DQ811
AJ937698.1 gg_id:143680 Microbiological investigation methane- and hydrocarbon-discharging volcanoes Carp AJ9376
AY222304.1 gg_id:114278 host hindgut caecum clone Del 1 AY2223
AM882599.1 gg_id:326082 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
AB355082.1 gg_id:237712 Monitoring and archaeal two heavy polluted areas lake Egypt based on sediment Ma AB3550
EU622295.1 gg_id:294941 syntrophic partnerships deep-sea vents direct cell capture and metagenomics Eel Riv EU6222
FJ716993.1 gg_id:544106 L. Bioturbated Mesocosm marine sediment Cullercoats Northumberland United King FJ7169
DQ630689.1 gg_id:159784 Unexpected many-celled magnetotactic prokaryote salt marsh clone mmp5 DQ630
EU570889.1 gg_id:556574 transition and zone within near-shore anoxic basin: Nitinat Lake depth 50 m clone Ni EU5708
U85470.1 gg_id:10934 Desulfobotulus sp. str. BG14 U85470

83.7	3401.3	4825.3	3938.5	3857.8	3186.2	4850.6	3221.3	1662.0	655.7	2101.1
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97.3	1140.8	1851.7	2028.9	1187.9	1039.6	1998.2	1259.1	635.6	654.4	1137.8
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3344.5	5418.0	7988.4	6627.3	6064.7	5830.2	6639.1	5353.4	6063.6	5649.7	7312.5
45.7	99.0	133.3	152.7	212.3	40.7	403.9	43.0	27.5	26.6	43.7
94.2	353.7	721.0	439.0	276.1	209.5	709.8	437.5	105.1	51.0	228.6
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26.1	274.2	507.0	691.5	389.9	41.0	1039.9	510.3	149.1	93.5	405.6
31.4	23.8	21.6	27.3	23.0	17.9	23.2	24.1	16.6	12.9	20.9
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52.2	2168.6	3787.8	3869.3	2436.1	3240.1	2757.5	3736.3	1781.9	214.3	3478.4
2922.3	1062.8	1429.2	1230.8	1436.1	1454.8	906.0	1299.0	1392.2	794.1	1041.0
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112.6	2033.3	2189.1	2389.5	3295.5	3292.2	2835.6	1911.7	1108.4	2397.7	1387.1
4241.6	4588.4	5035.1	5162.8	5742.1	4431.3	6398.6	4683.4	4578.1	2408.7	4077.6
57.9	200.4	329.3	343.9	328.9	252.8	509.9	540.6	92.3	46.3	491.9
1893.0	5857.7	5906.1	6515.4	5857.6	5508.3	6972.4	5351.9	5219.3	3165.0	5665.7
171.7	183.2	222.6	237.7	293.0	154.9	250.1	171.5	97.1	167.4	108.1
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2282.4	4274.9	3747.9	3644.9	3229.5	3457.4	4709.8	3292.5	4041.2	3344.3	3394.2
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19.3	21.1	18.8
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51.2	113.6	165.8
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1091.4	2651.1	1089.0
863.6	901.3	1778.3
3813.8	3882.1	2326.4
4504.0	3492.1	5910.0
625.8	250.7	448.4
4985.4	5913.1	5895.1
160.7	272.0	238.1
3865.1	5109.9	3870.4
1198.3	985.6	2022.0
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894.0	1218.7	2719.6
7635.4	9602.6	9173.3
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2319.9	2230.0	3419.0

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FJ264753.1 gg_id:313386 Manganese and Iron Dependent Anaerobic Oxidation Methane methane seep sedim FJ2647
DQ397424.1 gg_id:159185 Guerrero Negro hypersaline microbial mat clone 04D2Z24 DQ397
AM882642.1 gg_id:320845 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
EU592487.1 gg_id:563232 Seasonal changes Salton Sea hypersaline sediment clone SSS3A EU592
FJ712404.1 gg_id:520767 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7124
NR_025406.1 gg_id:544630 Desulfococcus biacutus str. DSM 5651 NR_02
DQ831540.1 gg_id:165612 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
AB294926.1 gg_id:225575 -dependent & analyses hydrothermal system off Taketomi Island Japan microbial ma AB294
EU290724.1 gg_id:253758 microbial structure biogeochemical contrasting shelf sediments Namibian upwelling EU290
FM242446.1 gg_id:341474 sequences sediment clone 50 T12d+oil FM242
EU386062.1 gg_id:275331 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU386
FM165241.1 gg_id:557184 seep chitineous tube vestimentiferan tubeworm Lamellibrachia sp. cold seeps clone FM165
FJ973581.1 gg_id:378495 Periodic sulfide irruptions impact microbial structure and hypersaline lake water colu FJ9735
FJ712482.1 gg_id:528626 Prokaryotic structure and sediments active submarine mud volcano (Kazan MV Sea) K FJ7124
FJ485367.1 gg_id:566855 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4853
AY082457.1 gg_id:67851 neutral pH mine biofilm clone 44a-B1-10 AY082
DQ630675.1 gg_id:160459 Unexpected many-celled magnetotactic prokaryote salt marsh clone mmp23 DQ630
EF125398.1 gg_id:189923 soil naked tidal flat sediment near mangrove clone MSB-1cx7 EF1253
AJ704678.1 gg_id:109279 marine sediment clone HMMVPog-2 AJ7046
DQ415842.1 gg_id:157733 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
FN396636.1 gg_id:541666 constant flux thermophilic cold seabed Arctic marine surface sediment clone s5_0_II FN396
GU230401.1 gg_id:554116 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal sediment clo GU230
AY216443.1 gg_id:81354 temperate estuarine mud clone KM88 AY216
DQ630707.1 gg_id:160788 Unexpected many-celled magnetotactic prokaryote salt marsh clone mmp2_2 DQ630
DQ521813.1 gg_id:160182 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexic DQ521
FM242231.1 gg_id:317203 sequences sediment clone 189 T0h-oil FM242
FJ716967.1 gg_id:545744 L. Bioturbated Mesocosm marine sediment Cullercoats Northumberland United King FJ7169
AJ704696.1 gg_id:109295 marine sediment clone HMMVBeg-44 AJ7046
GQ356986.1 gg_id:581992 Metal Dependent Marine Methane Oxidation methane seep sediment clone FeSO4_ GQ356
GQ249585.1 gg_id:587834 Microbial anaerobic sediments Bay Cadiz (Spain) marine sediment: 12-14 cm layer c GQ249
AM882600.1 gg_id:306625 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882
FJ814756.1 gg_id:556875 Microbial assemblages Thioploca sheaths cold seep settings Monterey Bay Carmel Ca FJ8147
EU487979.1 gg_id:574128 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and EU487
AJ237607.1 gg_id:10870 Desulfobacterium indolicum str. DSM 3383 marine mud AJ2376
AY771939.1 gg_id:111869 marine surface sediment clone SI29 AY771
EU385785.1 gg_id:272732 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
GQ433957.1 gg_id:590151 Subseafloor ocean crust microbial observatories: (F-through Osmo Colonization Syst GQ433
AY592200.1 gg_id:99952 marine ANAMMOX sediment clone AY592200 AY592
FJ517109.1 gg_id:549171 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled water c FJ5171
EU385687.1 gg_id:274595 Stratified microbes sediments Core MD05-2896 subseafloor sediment South China S EU385
AM882587.1 gg_id:340294 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882

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480.7	840.5	631.6	549.5	748.1	591.7	691.1	579.9	488.9	321.3	524.3
461.5	3653.3	4833.3	4710.1	4144.1	3630.9	6748.9	4021.3	1729.0	668.5	3123.1
3275.1	3571.1	4097.5	5067.8	3936.4	3071.1	6906.8	3623.8	2759.1	965.4	2726.5
3089.5	4388.2	4727.9	3937.2	4365.4	4097.8	4871.1	4275.9	4464.5	3950.4	3837.6
61.0	2470.0	3387.1	3677.2	2486.5	2032.3	4152.5	3013.0	868.8	329.7	1581.9
1666.1	3258.9	2941.9	3254.7	2741.8	3363.5	442.8	2579.6	3147.1	3430.3	2922.0
3544.9	2552.8	3601.7	4276.0	3739.8	3224.0	4491.9	3021.2	2243.9	905.7	2743.9
18729.4	9713.9	10782.3	11527.4	10578.9	10794.0	12492.1	9932.9	10799.4	10037.6	12310.6
26.6	406.4	506.6	398.6	605.6	394.6	2592.6	240.2	99.6	49.5	106.5
859.4	4867.9	4536.1	5165.9	4767.8	4816.7	5942.9	4709.2	3440.4	3096.1	4111.7
3297.5	3703.7	4456.7	5024.6	4586.1	3962.3	5629.5	4337.2	4325.1	3463.0	4058.0
7062.9	7396.5	9208.2	9059.3	7787.3	8136.4	9777.6	7789.0	5101.3	3972.8	8186.4
3165.0	3901.9	4231.0	4248.1	3156.5	3353.4	3817.7	3182.5	6110.0	4134.4	4512.1
872.1	7120.8	7964.6	8767.7	7341.8	6067.9	11484.9	6393.3	4909.9	4062.8	7074.3
42.7	154.7	273.8	397.0	98.6	100.6	197.6	699.7	47.0	39.9	200.9
22212.0	7345.3	7666.7	7359.1	7056.0	7115.4	7832.9	6478.1	9033.4	7615.5	11062.7
53.6	187.3	256.9	194.9	215.8	131.2	497.6	142.6	56.7	48.7	143.3
49.7	150.0	121.0	138.6	129.5	137.1	298.8	182.4	53.3	31.1	72.2
45.2	161.5	317.3	338.3	153.2	216.9	277.8	313.6	74.0	36.4	335.4
35.1	381.0	892.2	1064.4	272.5	385.3	1146.9	439.8	117.0	54.9	333.2
1003.5	3668.7	5389.9	4395.9	3570.4	3971.5	4117.5	3754.5	2214.4	1949.4	3539.2
1035.9	1758.8	1972.7	1583.5	1482.9	1519.9	1811.0	1715.6	1603.8	1025.5	1508.5
34.9	960.3	1508.8	1451.0	676.0	832.9	1712.5	1020.4	182.4	294.0	776.8
50.1	378.4	486.4	420.3	415.2	152.3	1741.5	356.2	41.3	43.0	201.8
2142.2	2865.6	2951.6	3162.0	2966.3	2329.9	4163.8	2277.2	2263.0	2199.3	2829.0
3377.4	6080.0	5706.2	5988.5	5820.3	5252.2	7167.1	5265.8	6825.4	5962.5	6560.0
1160.4	7898.6	7694.8	8863.1	8157.6	6906.7	9620.4	7346.6	9619.7	5233.2	7512.0
3521.7	3690.3	3142.1	3246.4	2668.0	3088.6	4008.3	3149.9	3595.4	1829.0	3445.7
38.2	497.7	668.7	506.7	928.1	460.4	695.5	359.7	132.3	50.1	152.5
121.2	1296.2	1589.8	1492.4	909.8	1044.4	1403.7	1086.7	575.2	397.3	572.5
155.9	2216.6	2543.3	2522.4	2389.2	2101.8	3423.9	2794.3	3697.3	729.9	1801.2
5848.7	6534.3	6872.6	7290.5	6815.9	5204.0	8266.8	5957.3	5275.8	1825.4	5778.4
37.7	97.9	129.1	120.0	121.6	71.9	142.7	96.2	41.7	38.6	95.2
188.8	1626.6	1577.5	1823.8	1195.7	1872.8	1155.6	2033.6	1307.8	2789.5	1435.8
185.1	4324.0	4501.8	4872.5	4381.9	4046.6	5915.7	4121.6	3293.1	1806.6	3102.2
656.1	3802.2	4164.3	4691.2	3932.9	3660.8	4926.4	3990.6	2331.9	1723.0	3479.6
33.5	56.9	95.1	62.4	79.5	35.1	366.8	28.9	20.5	19.5	30.9
72.4	1313.7	1453.4	1591.5	1944.3	1352.7	2289.3	1405.9	958.4	259.9	769.9
655.8	6717.6	6967.7	7349.6	6828.8	6302.5	9601.1	5856.7	4023.1	1737.0	5578.2
3779.9	424.6	763.7	811.4	579.4	451.6	576.4	631.4	301.6	196.5	365.3

3798.4	4124.8	4313.6
626.6	245.2	1027.5
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2411.4	3832.0	4084.4
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1378.1	1590.2	2208.1
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3964.5	5018.0	4728.0
3000.4	3751.2	4351.8
7087.7	5792.6	8805.2
2777.9	4401.4	3059.8
4861.3	5438.5	6666.9
163.8	120.1	90.8
6044.9	8718.9	6944.2
75.5	154.6	143.0
58.7	116.8	250.3
98.4	191.4	95.2
255.7	112.5	523.4
2785.8	3060.9	3838.7
1089.6	2502.7	1419.2
414.7	530.7	618.8
68.0	65.2	54.2
1696.1	2686.9	2124.1
4903.6	5629.0	6199.3
6438.5	7487.1	7556.9
2323.0	3329.9	3150.1
255.0	207.5	350.2
739.7	1095.0	1503.8
2048.2	3430.7	3208.3
5281.8	4806.3	7253.2
71.5	94.6	87.5
1703.2	1964.4	1345.6
3180.9	4131.8	4253.8
3074.0	3298.7	4010.9
25.0	33.8	30.1
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4960.0	4621.6	6878.7
446.4	677.8	952.8

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DQ330998.1 gg_id:159453 Guerrero Negro hypersaline microbial mat clone 09D2Z88 DQ330
EF125423.1 gg_id:184819 mangrove soil clone MSB-2A5 EF1254
AY053490.1 gg_id:39986 gas hydrate clone AT425_EubD9 AY0534
AJ620501.1 gg_id:353759 Olavius 3 endosymbiont O. ilvae Individual 5 AJ6205
FJ746111.1 gg_id:513493 Microbial oligotrophic marine sediments: South Pacific Gyre ocean sediment 5306 m FJ7461
DQ811817.1 gg_id:172929 mangrove soil clone MSB-4G8 DQ811
FM242225.1 gg_id:337177 sequences sediment clone 342 T0h-oil FM242
AB237684.1 gg_id:139771 microorganisms deep subsurface groundwater sedimentary rock milieu clone HDBW AB237
AY082461.1 gg_id:67845 neutral pH mine biofilm clone 44a-B1-17 AY0824
GU302442.1 gg_id:552223 Spatial structure and activity sedimentary microbial underlying Beggiatoa spp. mat GU302
AM774314.1 gg_id:243934 Cultivation and situ quantification consistently demonstrate that two distinct group AM774
EF999398.1 gg_id:237632 Vertical and Methanotrophs Estuarine Sediments Pearl River Estuary sediments 50cn EF9993
DQ630706.1 gg_id:161002 Unexpected many-celled magnetotactic prokaryote salt marsh clone mmp2_28 DQ630
AJ241022.1 gg_id:10909 Norway:(Svalbard)Hornsund clone Sva0405 AJ2410
DQ831553.1 gg_id:163459 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
AJ831748.1 gg_id:102310 chemocline clone 166 AJ8317
DQ146482.1 gg_id:164141 Desulfobacterium sp. MB-2005 DQ146
DQ630702.1 gg_id:160395 Unexpected many-celled magnetotactic prokaryote salt marsh clone mmp2_20 DQ630
FJ716406.1 gg_id:571102 Uncultivated archaea sulfate-reducing biofilm Frasassi cave system anoxic lake water FJ7164
AY851291.1 gg_id:148326 Algidimarina propionica str. AK-P AY8512
EF688206.1 gg_id:347101 Detection microbial sludge anaerobic wastewater treatment system clone 5A4_cons EF6882
EU717681.1 gg_id:425208 Ultrastructure tactic behaviour and potential sulfate reduction multicellular magnet EU717
U81720.2 gg_id:10893 anaerobic digestor clone vadinHA60 U8172
GQ356954.1 gg_id:576546 Metal Dependent Marine Methane Oxidation methane seep sediment clone Fe_B_1 GQ356
DQ811793.1 gg_id:173340 mangrove soil clone MSB-3ax11 DQ811
AB177130.1 gg_id:130033 seafloor methane hydrate clone ODP1230B1.06 AB177
AM774320.1 gg_id:248513 Cultivation and situ quantification consistently demonstrate that two distinct group AM774
EU160501.1 gg_id:325508 diagnosis central-venous infections cultivation-dependent and techniques biofilm sc EU160
U45991.1 gg_id:10897 Desulfonema ishimotonii str. DSM 9679 anaerobic intertidal mud flats Jadebusen (North U4599
EU617853.1 gg_id:345458 Seasonal variation microbial Yel Sea sediment clone D13S-20 EU617
EU246163.1 gg_id:248972 Miniprimer new lens viewing world hypersaline microbial mat clone MAT-CR-P4-E10 EU246
AM404371.1 gg_id:558344 Hydrocarbon-fueled sulfate reduction can sustain long-lived tubeworm aggregation AM404
AJ620497.1 gg_id:354146 Olavius 4 endosymbiont O. algarvensis Individual 2 AJ6204
DQ811815.1 gg_id:167112 mangrove soil clone MSB-4G4 DQ811
DQ811807.1 gg_id:166757 mangrove soil clone MSB-4C12 DQ811
DQ397413.1 gg_id:159387 Guerrero Negro hypersaline microbial mat clone 02D2Z34 DQ397
AJ831753.1 gg_id:106553 chemocline clone 293 AJ8317
DQ004679.1 gg_id:158084 Microbial Reduce Methane Efflux Mud Volcano Sediments Gulf Cadiz marine hydroc DQ004
U85477.1 gg_id:10775 Desulfoarculus sp. str. BG74 U8547
EF061952.1 gg_id:182353 Xiamen China mangrove sediment clone XME29 EF0619
AM882597.1 gg_id:342977 Structure along hydrocarbon contamination coastal sediment oil polluted water pet AM882

57.1	526.5	754.1	840.6	522.7	918.1	1212.0	718.7	128.8	52.2	360.6
1970.5	1013.7	1280.5	1282.7	1740.9	1030.1	1951.7	1551.7	1455.8	294.2	746.3
45.8	1673.2	2492.7	2389.6	1678.1	1758.8	2264.4	2100.2	1563.0	1040.1	1155.0
1113.5	3669.7	4170.3	4194.3	4424.9	2762.0	6285.0	3544.3	1372.0	678.9	2070.0
353.2	5522.2	5755.5	6897.9	5440.4	4978.0	7835.5	5686.3	3873.8	1752.6	4597.8
41.0	243.1	298.6	330.3	336.6	149.0	665.1	284.3	65.3	36.0	95.9
11720.9	5784.2	6549.5	7783.7	6546.5	5220.8	8401.3	5923.3	4982.1	2856.9	5686.3
530.0	1006.3	1108.0	1121.3	949.1	648.2	1869.1	822.2	320.7	245.0	482.1
50.2	929.1	1874.0	1812.8	1816.1	935.6	2834.6	1012.6	313.4	136.2	600.8
512.2	3044.1	3683.6	3897.5	3504.0	2679.0	4148.8	2959.4	1438.9	1169.7	2214.5
2300.5	5281.7	6156.1	5885.6	4553.2	4517.4	5395.3	5091.5	2901.3	2573.3	5010.2
16989.6	6587.4	8009.0	8007.9	8349.6	6566.1	10284.9	7132.0	4169.2	3076.5	7849.9
209.8	1511.0	715.0	997.9	891.1	1537.7	938.9	1441.1	1416.1	604.4	1048.2
32.0	87.7	88.1	89.9	65.2	58.9	122.4	41.6	25.2	12.7	57.5
159.0	1282.0	1272.6	1349.7	1011.8	1190.6	2272.0	1762.1	553.4	818.3	1232.6
49.1	1402.4	1396.8	1207.1	3249.1	1710.2	6241.0	811.9	334.2	89.3	979.8
310.1	3311.9	4878.1	4124.2	4136.5	3753.4	5713.7	3963.6	2040.3	1704.1	3028.4
4263.9	9212.0	11462.9	11157.3	10972.0	9719.8	11738.6	9631.2	9506.3	10246.6	12593.7
576.7	7559.3	8048.7	8244.8	7905.7	7618.9	9558.8	7677.6	5660.4	2047.0	8545.3
1114.4	2361.5	3255.4	1850.8	2614.3	2133.0	3284.4	2073.4	1865.1	2136.0	3850.0
2069.9	7680.2	6735.7	7398.1	7408.7	5513.6	9519.3	5976.5	5930.7	3413.2	5564.3
1451.7	4166.2	4555.7	4217.3	3603.2	3662.9	5056.4	3697.2	3105.4	1318.8	3435.5
39.2	59.0	312.7	299.0	206.0	73.9	293.8	93.2	63.7	15.7	139.9
174.4	1655.0	1060.5	2365.2	1697.2	1753.9	1740.1	2087.2	1371.3	874.6	1631.3
308.7	3395.9	4010.9	4372.5	4601.5	3609.6	5316.3	3398.4	2950.0	1084.5	2895.5
29.6	38.0	34.9	39.0	48.6	33.1	37.5	20.7	20.9	24.6	25.8
28200.5	10319.5	10255.6	10132.6	8561.6	9937.2	12099.0	8938.5	13340.2	10614.4	13361.7
119.8	2419.6	2811.4	3377.2	3532.9	2530.8	4315.9	2422.9	1712.4	2818.9	2751.8
29.5	82.8	124.7	105.8	155.0	102.0	246.9	104.5	48.4	23.6	51.0
89.1	3888.4	4081.2	4377.3	5040.6	3738.6	7126.7	4071.1	1577.8	1056.2	3805.9
60.6	107.7	153.1	178.9	261.7	138.9	153.2	152.0	50.9	28.3	64.6
3398.4	6243.3	6214.8	6848.7	5902.2	5193.0	8353.7	5931.4	5179.8	2964.2	6482.0
100.1	1598.1	1770.7	1638.3	1369.2	1397.1	1931.8	1426.3	796.4	263.3	930.9
249.0	2792.4	3702.8	4132.4	3405.7	2650.0	4752.7	3789.6	1842.7	1360.6	2559.6
245.7	2604.2	3392.0	3861.6	3057.5	3416.9	2868.7	4196.5	3642.9	4460.3	2114.7
538.0	1261.6	1878.3	1616.4	1456.3	1219.7	2049.7	1237.3	631.8	328.0	1050.8
106.4	2070.6	2003.0	1795.8	565.6	1815.4	693.9	1783.5	651.5	1244.8	1220.0
32.4	245.0	295.7	218.2	174.6	348.0	238.4	235.6	407.9	176.6	180.2
63.7	52.7	138.2	89.7	110.9	108.8	209.0	173.6	53.4	55.2	63.7
165.3	1164.5	2267.8	2665.0	2282.5	1794.6	3834.5	2358.7	1196.6	624.9	1406.4
731.2	7443.7	7989.7	8916.8	7889.2	7107.3	10590.5	7149.0	4471.6	5104.1	7674.1

332.9	745.1	711.6
1253.3	1679.1	1296.2
1411.5	1751.4	2055.7
2539.9	2041.9	3040.1
4769.3	4710.7	6181.3
153.3	187.6	237.2
5875.4	6128.4	6531.9
454.8	849.6	751.8
596.5	810.7	676.5
1598.3	3833.2	4059.2
4680.0	4779.3	5363.3
6667.3	6576.4	8245.8
954.1	1317.6	1158.5
43.3	78.2	173.5
1395.1	1304.6	1464.6
583.3	493.7	496.9
3293.8	3809.7	4218.0
9248.2	11264.3	10918.6
6934.0	5782.7	7296.9
1989.2	3429.3	2678.8
5531.2	4912.3	6610.6
2673.8	3263.6	3649.6
67.3	26.3	81.0
1654.8	2039.3	2181.1
3042.9	3747.9	5479.9
20.0	35.8	33.5
10455.0	9826.5	9427.2
2138.4	2190.0	3133.3
122.8	142.3	169.6
3565.1	3042.6	3258.6
81.1	114.1	131.9
4654.0	4857.2	5835.3
1052.0	1552.5	1378.6
2781.3	3360.3	3203.0
3777.7	4996.5	3131.3
906.6	1062.2	1530.9
1254.1	1603.7	904.4
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AY177799.1 gg_id:78421 Antarctic sediment clone SB2_13 AY177
EU542440.1 gg_id:270723 Effects chemical structure concentration on pathways microbial during dechlorinatio EU542
DQ394960.1 gg_id:155401 harbor sediment clone VHS-B3-73 DQ394
EU542523.1 gg_id:267799 Effects chemical structure concentration on pathways microbial during dechlorinatio EU542
EF125387.1 gg_id:193460 soil naked tidal flat sediment near mangrove clone MSB-1B10 EF1253
NR_025746.1 gg_id:544425 Desulfofaba fastidiosa str. P2; ATCC BAA-815; DSM 15249 NR_02
EU048629.1 gg_id:249788 Microbial surface marine sediment Xisha Trough South China Sea clone MD2902-B24 EU048
AM039960.1 gg_id:132592 marine sediment clone 50FS AM039
AJ535249.1 gg_id:77873 marine sediment above hydrate ridge clone Hyd89-61 proteobacterium AJ5352
CU927052.1 gg_id:569189 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU927
AF022936.1 gg_id:10867 Desulfocella halophila str. GSL-But2 AF022
CU927196.1 gg_id:554689 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU927
DQ831552.1 gg_id:162529 Activity and sulphate-reducing contrasting sediments River Colne estuary UK marine DQ831
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DQ431904.1 gg_id:204801 microorganisms catalyzing nitrogen removal and organic matter metabolism perme DQ431
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EU488036.1 gg_id:560020 lucinid bivalve- symbiotic system: significance geochemical habitat on symbiont and EU488
AM745204.1 gg_id:287932 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
AY851292.1 gg_id:150305 Algidimarina butyricum str. AK-B AY851
DQ811797.1 gg_id:167399 mangrove soil clone MSB-3C3 DQ811
GU080089.1 gg_id:578329 Combined and proteomic approaches identify involved anaerobic 2-methylnaphthal GU080
DQ397436.1 gg_id:159112 Guerrero Negro hypersaline microbial mat clone 062DZ56 DQ397
AF418174.1 gg_id:71864 Desulfovibrio baarsii str. DSM 2075 AF418
GQ356991.1 gg_id:580063 Metal Dependent Marine Methane Oxidation methane seep sediment clone FeSO4_ GQ356
AM490746.1 gg_id:591624 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
AM176857.1 gg_id:160904 Recovery mangrove sediment clone SZB57 AM176
GQ357013.1 gg_id:510495 Metal Dependent Marine Methane Oxidation methane seep sediment clone FeLive GQ357
AM040123.1 gg_id:147720 sandy sediments clone Sylt 27 AM040
EU617854.1 gg_id:316203 Seasonal variation microbial Yel Sea sediment clone C13S-20 EU617
EU048693.1 gg_id:250681 and archaeal surface marine sediment Slope South China Sea clone MD2896-B42 EU048
DQ431902.1 gg_id:207781 microorganisms catalyzing nitrogen removal and organic matter metabolism perme DQ431
FJ484778.1 gg_id:542328 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4847
DQ811819.1 gg_id:169367 mangrove soil clone MSB-4H12 DQ811
DQ811816.1 gg_id:166688 mangrove soil clone MSB-4G6 DQ811
DQ404782.1 gg_id:155938 contaminated sediment clone 661234 DQ404
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FJ902442.1 gg_id:548667 phreatic limestone sinkholes northeastern Mexico water column surface cenote Cara FJ9024
FJ810575.1 gg_id:373867 Subsurface ecosystem resilience: Long-term attenuation subsurface contaminants su FJ8105

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30146.0	2598.5	2865.6	2678.9	2619.2	2467.5	561.1	2766.1	3275.6	2453.8	3891.3
10703.4	5062.9	5536.2	5868.5	5031.4	4913.5	7422.0	5454.3	4937.1	4499.7	6422.5
8640.5	2012.9	2033.5	2098.4	2310.1	1925.7	2578.3	2013.6	2071.9	2856.9	2291.4
5195.1	5929.5	6496.0	7659.2	7550.4	6180.4	9679.1	6403.1	6094.5	2721.3	6518.9
2211.2	3569.3	4532.8	4477.7	5268.5	4026.1	7203.2	3984.9	2441.5	1305.5	4304.6
35.3	81.7	125.5	156.8	40.3	31.1	51.4	54.3	18.8	16.9	39.1
6950.8	6296.2	6372.2	7328.2	6947.8	5845.3	7832.1	6649.5	6318.2	3205.0	5964.2
50.6	737.4	1164.7	899.6	325.2	287.8	680.1	425.1	100.8	122.7	339.3
233.5	3052.0	4066.8	3987.8	4045.6	2867.2	5564.1	3655.1	2069.4	818.6	3396.8
1523.5	4904.7	4212.8	4580.0	4117.6	3925.1	5312.9	4114.5	3869.7	3521.3	4239.2
13839.4	6319.0	6877.4	7700.8	7120.4	6256.0	8042.7	8195.2	13481.3	4681.2	8131.4
68.9	796.5	890.2	947.4	776.4	877.1	1172.9	913.9	567.0	312.6	544.9
36.8	206.3	392.9	329.1	331.8	253.3	224.8	200.8	174.5	19.1	204.1
51.0	961.6	424.2	337.2	141.7	140.9	274.3	89.7	41.3	32.6	255.8
555.5	4200.7	5000.0	5432.3	3989.3	4795.9	4332.1	4599.5	2891.8	1813.7	4123.7
44.4	260.2	305.8	336.3	291.1	261.7	303.4	191.4	90.5	70.7	148.6
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88.3	3134.3	3650.2	3832.0	3520.8	3385.2	5137.1	3308.2	1766.9	798.8	2576.7
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43.7	1625.2	2322.4	2059.7	1455.1	1650.3	1972.0	1425.5	1484.4	184.5	1126.3
14183.8	6046.4	6816.7	6480.0	6271.6	6258.0	8600.1	6267.4	3932.6	2964.9	6428.2
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AF523963.1 gg_id:101995 forested wetland clone FW106 AF523
FJ902422.1 gg_id:586511 phreatic limestone sinkholes northeastern Mexico water column surface cenote Cara FJ9024
FJ484032.1 gg_id:537190 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4840
FJ484530.1 gg_id:554210 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4845
DQ404621.1 gg_id:152758 contaminated sediment clone 656066 DQ404
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AY340836.1 gg_id:91627 sulfate-reducing fluidized-bed reactor clone SR_FBR_L13 AY340
AB262720.1 gg_id:239069 microorganisms shal subsurface Sarobetsu mire peat soil clone HSM050P-B-9 AB262
FJ516878.1 gg_id:558853 semiarid 'Tablas de Daimiel National Park' wetland (Central Spain) unravelled upper s FJ5168
DQ676381.1 gg_id:221935 Archaeal sediment and plankton freshwater pond suboxic freshwater-pond clone M DQ676
AM490653.1 gg_id:580869 Linking and functional nutrient spiraling mats (USA) microbial mat sulfidic cave sprir AM490
FJ437843.1 gg_id:511708 Benthic okenone production Fayetteville New York Green Lake 25 m water depth clor FJ4378
AF282177.1 gg_id:30060 Desulfomonile limimaris str. DCB-F AF282
AF282178.1 gg_id:31004 marine sediment clone Btol AF282
AJ316021.1 gg_id:42269 Desulfomonile sp. clone 624 AJ316
AM086646.1 gg_id:140135 Desulfomonile tiedjei str. DSM 6799 AM086
DQ133909.1 gg_id:164530 Dominant microbial biofilms frasassi cave system Italy limestone-corroding stream b DQ133
CT574193.1 gg_id:151947 Evry municipal wastewater treatment plant clone 060B12_B_SD_P93 CT5741
CU917968.1 gg_id:562603 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU917
CT573954.1 gg_id:153501 Evry municipal wastewater treatment plant clone 009F10_B_SD_P15 CT5739
CT573960.1 gg_id:155759 Evry municipal wastewater treatment plant clone 009F03_B_SD_P15 CT5739
FJ462108.1 gg_id:581591 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4621
EU407209.1 gg_id:275861 household biogas digester clone GW-26 EU407
CT574120.1 gg_id:155635 Evry municipal wastewater treatment plant clone 061D05_B_SD_P93 CT5741
AJ133795.1 gg_id:10858 Syntrophus sp AJ1337
EU104840.1 gg_id:265855 sulfate-reducing and methanogen sulfate-fed reactors libraries anaerobic biofilm rea EU1048
CT574027.1 gg_id:151989 Evry municipal wastewater treatment plant clone 008C04_B_SD_P15 CT5740
CT574029.1 gg_id:156244 Evry municipal wastewater treatment plant clone 008C02_B_SD_P15 CT5740
AB252682.1 gg_id:168756 and activities propionate-oxidizing that affected propionate concentration anaerobic AB2526
CR933148.1 gg_id:110803 Evry municipal wastewater treatment plant clone 012B10_B_SD_P15 CR9331
CU919519.1 gg_id:547047 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU919
DQ676391.1 gg_id:227149 Archaeal and plankton freshwater pond suboxic freshwater-pond sediment clone M DQ676
CT574164.1 gg_id:152984 Evry municipal wastewater treatment plant clone 060F04_B_SD_P93 CT5741
DQ501304.1 gg_id:187961 Seasonal dynamics free-living and particle- four lakes northeastern Germany freshw DQ501
GU202945.1 gg_id:592840 Effect pH on anode microbes MFC microbial fuel cell inoculated activated sludge wa: GU202
CT573944.1 gg_id:154331 Evry municipal wastewater treatment plant clone 009H01_B_SD_P15 CT5739
EU407210.1 gg_id:276971 household biogas digester clone GW-27 EU407
EU522631.1 gg_id:262404 hydrocarbon-degrading methanogenic microbial consortia settling basin Northern Al EU5226
AY661413.1 gg_id:107448 anaerobic hybrid reactor clone TTA_H37 AY6614
AB234260.1 gg_id:145632 Biotransformation Polychlorinated Dioxins Microbial Dynamics Sediment Microcosm AB2342

129.8	3119.8	4508.2	4433.2	3423.2	4577.0	3818.6	4049.2	1329.4	508.6	2420.7
28.5	151.8	140.8	108.6	634.5	328.5	41.2	191.7	43.1	15.8	91.7
747.5	3513.9	4442.7	4276.0	3887.3	4423.0	4181.9	4140.4	2737.5	1476.8	2906.2
11797.3	5883.5	5825.7	6734.8	7057.2	6407.7	7361.8	6129.1	6163.7	5721.0	6134.1
4964.7	7315.2	7743.1	7862.6	8531.5	7307.9	10418.0	6955.4	6591.8	5675.9	7075.1
3569.2	2445.6	3243.2	3236.7	2716.9	2153.0	4527.7	2939.2	1384.2	758.8	2523.5
2277.2	7205.7	7296.2	8252.3	8024.1	7599.1	8988.0	6864.8	4140.2	3546.2	6535.3
49.2	160.7	225.4	166.8	230.3	141.2	256.1	178.9	79.4	30.1	87.3
78.3	1183.6	1496.8	1657.3	1903.3	1700.1	2038.4	1881.8	611.5	266.4	774.3
5130.1	5803.7	5992.4	6588.9	6743.1	5986.9	7090.5	6307.5	4457.1	5527.0	6343.9
1061.6	2206.9	3198.7	2607.5	2877.9	2732.4	4360.4	3716.2	3513.2	3156.4	2267.0
52.3	918.1	1609.0	1656.8	1697.0	1395.4	2680.5	2007.6	374.5	640.8	746.1
42.9	359.7	995.8	635.8	855.4	824.7	1479.4	1201.6	279.8	165.8	401.1
15398.7	4156.0	5321.7	5967.3	6257.6	7314.0	4354.4	5229.7	5528.7	5347.4	5817.5
110.1	280.8	425.2	409.3	323.2	263.3	610.3	398.0	289.8	122.9	272.3
4795.6	9769.1	10866.9	12412.9	11566.1	9703.8	13071.1	9164.9	8790.3	5335.3	10395.8
57.6	676.7	956.7	978.7	971.4	843.7	1261.1	946.4	193.5	170.5	453.2
97.8	1326.7	1376.0	1449.9	1592.7	1422.1	1942.9	1744.9	475.8	498.1	1327.5
70.9	1001.6	1246.9	1266.2	762.0	972.4	2436.1	934.1	948.6	1513.7	748.6
3755.4	2899.3	3029.7	3192.1	2499.6	2437.4	3014.4	2329.7	3706.5	2513.6	3398.5
5427.9	2902.6	2616.8	2721.8	2502.6	3003.7	4058.8	2738.6	3780.0	4517.3	3394.8
248.8	3669.2	4224.2	4046.0	3534.2	3530.2	5172.4	3945.7	2234.3	2085.6	3716.3
1062.4	3181.6	3516.3	4675.4	3038.2	2977.7	3749.4	2854.4	2944.1	1291.7	2747.8
19481.7	7321.2	7489.9	8567.2	7880.3	6804.4	9011.7	7704.9	7956.3	6769.3	7989.5
2862.1	4352.4	3917.6	4004.9	3841.1	4232.2	4934.2	3428.7	4413.8	4902.8	4822.1
47.8	87.4	61.8	100.5	93.0	46.9	78.7	63.9	52.8	30.4	39.7
3819.8	4915.3	4940.7	5557.5	4210.8	4980.5	4852.5	4222.5	3588.3	4622.8	7899.1
43.8	1129.9	1318.2	956.4	493.0	725.5	2333.6	642.5	270.1	79.0	364.7
4548.7	2404.8	2655.3	2453.4	2198.5	2200.3	3494.0	2331.5	3319.5	2714.7	2362.1
27.8	109.9	83.6	119.3	115.2	75.6	188.5	142.9	31.7	18.5	39.2
50.6	58.5	77.1	73.0	69.2	43.7	116.0	43.9	22.5	20.3	27.6
339.9	1325.7	1534.6	1504.8	1621.9	1386.3	1966.4	1288.1	669.8	488.7	1199.1
632.4	1423.5	1520.2	1469.1	1889.5	1273.3	2346.2	1446.2	787.2	407.5	880.7
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12297.2	6439.6	7644.7	7423.2	8943.8	6496.3	7702.7	7534.1	7460.1	5691.8	8801.0
30.2	1639.1	2086.8	2265.6	1154.3	1376.7	2816.6	1482.9	263.0	144.2	1345.5
25490.8	10204.1	9420.2	10672.5	9705.5	9682.6	11413.1	8879.6	12032.1	9772.9	12813.5
10814.0	6315.4	6776.3	7286.9	6273.7	5923.6	7883.5	6652.4	5953.5	5985.5	7254.8
36.8	3198.2	3593.7	2768.0	1635.2	2525.1	3915.9	2006.9	416.5	78.2	1615.5
12100.4	6216.2	5836.1	6109.7	5498.7	6200.1	6521.4	5512.9	6819.0	6525.2	6270.2
1162.3	4317.5	4442.5	4922.8	4607.6	3954.3	5927.1	3552.1	3011.3	1817.8	3935.8

2010.4	3980.3	6371.7
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3244.0	3142.0	4550.3
6023.9	6612.0	6624.4
6869.4	7410.6	9498.9
2075.7	2666.6	2468.1
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597.3	714.3	1779.7
2122.2	3528.2	2546.5
2526.1	3336.9	3391.5
3494.7	3532.4	5361.6
2631.9	2627.0	4369.3
7211.2	6602.0	7435.0
3817.5	4262.6	4920.5
93.9	109.0	105.3
4166.4	4412.3	4754.1
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3864.0	4211.8	5002.5
6012.2	7379.7	7608.9
847.8	904.2	1917.9
10295.5	9297.4	10400.3
5802.3	6782.8	7834.0
721.8	580.4	3554.5
5357.7	7246.0	6376.4
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FJ461976.1 gg_id:586848 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4619
CU925368.1 gg_id:547613 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU925
EU399668.1 gg_id:271079 and localization microbial consortium full-scale granular activated carbon anaerobic EU399
AB186854.1 gg_id:99369 polychlorinated dioxin dechlorinating microcosm clone TSBZ03 AB186
AF229793.1 gg_id:37165 terephthalate-degrading consortium clone TA20 AF229
AJ306771.1 gg_id:66928 DCP-dechlorinating consortium clone SHA-42 AJ3067
AB288891.1 gg_id:203169 termite gut homogenate clone BOf2-22 AB288
FJ462058.1 gg_id:593849 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4620
EU522634.1 gg_id:269542 hydrocarbon-degrading methanogenic microbial consortia settling basin Northern Al EU522
DQ521796.1 gg_id:159708 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexic DQ521
AB179694.1 gg_id:102521 groundwater 0.2 m-captured fraction clone KNA6-EB24 AB179
DQ521792.1 gg_id:160618 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexic DQ521
FJ902117.1 gg_id:579169 phreatic limestone sinkholes northeastern Mexico orange biomat 8m deep cenote Ca FJ9021
AJ535254.1 gg_id:77896 marine sediment above hydrate ridge clone Hyd89-52 proteobacterium AJ5352
FJ462062.1 gg_id:587689 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4620
AM746089.1 gg_id:299409 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM746
DQ811814.1 gg_id:173034 mangrove soil clone MSB-4G3 DQ811
CU922340.1 gg_id:534010 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU922
FN429788.1 gg_id:546409 Biogeochemistry -activity cold seep Larsen B area western Weddell Sea Antarctica m FN429
AB252432.1 gg_id:153221 Microbial extremely CO2 rich deep-sea sediment Marine sediments Yonaguni Knoll I AB252
EU644230.1 gg_id:283767 and Samoylov Island Lena active layer -centred polygon near surface horizon; Rim_T EU644
DQ067032.1 gg_id:133542 Lake Washington sediment clone pLW-41 DQ067
DQ404844.1 gg_id:150930 contaminated sediment clone 655974 DQ404
FJ902148.1 gg_id:592355 phreatic limestone sinkholes northeastern Mexico orange biomat 8m deep cenote Ca FJ9021
DQ415841.1 gg_id:158424 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
AF420337.1 gg_id:67800 hydrothermal sediment clone AF420337 AF4203
GU180161.1 gg_id:538685 Impact coplanar PCBs on microbial activity anaerobic estuarine sediments sediment GU180
EU101287.1 gg_id:237813 Sulfide/oxygen supply ratio predicts outcome competition among sulfur-oxidizing wa EU101
EU542439.1 gg_id:274550 Effects chemical structure concentration on pathways microbial during dechlorinatio EU542
FN429791.1 gg_id:586738 Biogeochemistry -activity cold seep Larsen B area western Weddell Sea Antarctica m FN429
AY053494.1 gg_id:34985 gas hydrate clone AT425_EubF5 AY0534
FJ437824.1 gg_id:509369 Benthic okenone production Fayetteville New York Green Lake chemocline 20.5 m wa FJ4378
DQ988259.1 gg_id:185953 Microbial lab-scale A1-A2-O fixed biofilm system coking wastewater treatment with DQ988
FJ462006.1 gg_id:569259 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4620
AF354149.1 gg_id:71121 marine methane seep clone 1513 AF3541
AM712339.1 gg_id:252529 detection and ly microbial Brothers Seamount Kermadec Arc New Zealand biofilm h AM712
EU522632.1 gg_id:269237 hydrocarbon-degrading methanogenic microbial consortia settling basin Northern Al EU522
AB177179.1 gg_id:128221 seafloor methane hydrate clone ODP1230B23.08 AB177
CR933196.1 gg_id:110185 Evry municipal wastewater treatment plant clone 008B10_B_SD_P15 CR9331
AY542210.1 gg_id:114116 Gulf Mexico seafloor sediments clone GoM HDB-32 AY5422
AB426198.1 gg_id:259940 -situ identification study benzene-degrading s under methanogenic condition anaerc AB4261

6874.6	7741.9	7957.6	8231.8	8313.1	7605.9	9816.3	7285.6	10652.4	8166.5	9335.3
182.5	5168.6	5286.7	5444.7	5887.4	4910.0	7789.3	4354.0	2695.8	1069.1	3602.6
978.0	4956.4	5266.7	5450.0	3361.9	3908.5	6942.5	5171.2	1643.3	2935.3	3423.0
11211.2	6986.4	8090.4	8406.1	6739.7	7862.2	9475.5	5987.5	5994.6	3038.3	6658.5
2753.5	5053.9	5575.8	4898.6	4927.9	3584.4	5836.6	4317.3	5029.6	2772.5	6387.1
586.9	2867.3	3181.1	3476.1	3069.0	2429.4	3708.7	2991.4	819.1	276.5	1749.5
4032.6	4146.0	5063.8	5083.0	3647.1	3632.4	4585.2	2661.1	1523.1	1508.2	2921.2
11261.4	13107.8	13696.2	15670.7	12568.5	13585.8	14061.5	11714.7	20584.5	16144.9	16966.7
272.6	3009.5	3442.9	3758.0	3039.8	2622.3	4550.7	3082.8	1359.3	836.7	1304.7
73.1	1224.5	1658.5	1645.1	945.4	1900.5	1531.7	2010.9	672.2	1757.1	705.0
39.6	644.9	901.7	912.7	672.9	576.1	1119.2	716.1	235.5	57.4	580.3
74.2	870.0	1718.0	2237.9	1088.3	1233.0	2638.6	1126.7	354.8	93.0	1003.3
6344.4	3081.2	3767.6	3908.4	2147.6	2444.8	4828.6	2683.8	1589.0	872.4	2196.4
4868.3	3784.8	4004.9	3923.6	4318.2	3550.2	4521.2	3425.7	3064.0	2235.4	3631.0
41.1	2149.9	2820.5	3013.7	1347.4	1928.2	3234.6	2461.2	522.0	470.3	1056.0
209.5	3809.9	4444.3	3910.5	3605.7	4261.6	4850.4	4380.4	2338.2	2347.3	3343.0
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1152.6	6411.9	6708.2	6916.3	6156.1	5921.3	7489.0	6353.4	3475.1	1742.4	5998.4
46.7	235.8	325.0	355.5	397.2	263.8	369.6	339.8	134.4	31.4	162.2
14263.1	7596.5	7922.0	8570.6	6925.9	7148.7	9790.8	7509.2	8414.6	7197.7	8259.2
176.5	4097.6	4962.7	5458.9	3388.5	3284.8	5944.5	3483.0	1541.9	801.0	2829.8
57.1	1855.3	2075.6	2056.9	1069.3	1447.8	2718.4	1715.9	225.3	256.5	731.8
6948.7	5322.3	6020.2	6469.0	5525.6	5242.5	6214.8	5087.1	5703.5	4454.9	5891.3
44.7	91.5	145.7	122.2	212.1	110.9	253.6	108.6	54.0	39.3	114.7
3166.7	3634.6	3032.8	3467.5	4009.9	3244.6	4007.4	3182.9	3506.3	1181.8	2607.3
1138.0	8172.8	7312.8	7544.2	8614.6	7076.1	9437.9	6779.6	8862.0	5365.4	6966.4
2107.0	3123.3	3584.5	3868.8	4486.0	4015.6	4577.0	3841.2	2378.2	3605.5	2367.0
2600.7	3964.3	3865.5	4567.0	3921.3	3949.2	5184.8	4383.1	3559.8	3428.0	2846.5
205.9	5021.9	5826.1	5325.3	4897.4	5289.1	5796.8	3942.8	2788.2	1126.7	3208.0
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243.2	5751.3	5878.2	6297.7	6762.6	6045.5	8865.7	5602.3	5379.7	2959.2	4457.3
5110.3	6922.7	6472.2	7678.9	7180.2	6516.7	7760.7	7762.6	10817.5	8328.2	7120.7
1583.2	3206.4	4180.1	3965.6	3919.7	2900.9	4206.7	3022.9	2715.2	3120.1	2892.9
496.6	3027.5	3340.1	3557.7	4856.8	3134.1	6394.2	2854.8	2007.4	1453.7	2626.6
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61.6	135.8	187.4	164.6	185.5	137.8	171.1	229.2	59.0	44.5	106.5
169.7	910.5	1084.0	1313.2	1274.6	1184.3	1482.3	1541.6	807.8	165.7	599.3
570.7	3062.1	3286.0	3467.2	3134.1	2957.7	3434.8	4109.6	1715.4	3105.5	2829.6
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6769.5	8300.0	7864.8
3236.5	3407.1	4920.5
3396.7	3394.1	5803.8
4931.5	5765.0	6995.0
3936.1	5042.5	3993.1
1936.1	1693.7	3100.1
3036.6	3152.2	3800.6
11924.5	14312.1	12966.5
2085.0	2275.7	3294.3
2145.8	2260.6	1767.8
421.1	507.3	820.3
1146.2	1106.4	1837.5
1504.9	1810.3	3247.0
3138.6	3304.0	3952.8
1183.4	1689.1	3035.6
4631.5	3887.5	4449.1
28.1	46.7	60.9
3829.8	4007.3	5849.8
5391.4	6328.8	6209.4
249.8	441.0	393.2
6301.8	7001.2	7634.3
2116.3	2206.9	5314.8
558.4	630.3	2064.7
5319.6	6206.3	6050.0
70.6	99.0	255.8
3558.6	3015.3	3655.4
7008.9	6840.6	6962.8
4849.7	4981.3	5507.4
3423.0	3511.0	5163.0
3294.1	3656.6	5764.7
2512.1	2724.7	3235.1
5792.1	6294.4	7922.7
7789.2	7169.4	7708.1
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3441.9	2817.1	3908.1
2600.0	3737.7	6099.1
4143.6	4322.9	6098.3
134.4	148.5	183.9
891.7	1123.0	1460.7
3446.0	3355.0	3624.3
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EU592411.1 gg_id:535455 Seasonal changes Salton Sea hypersaline sediment clone SSS15N EU592
EU644111.1 gg_id:280179 and Samoylov Island Lena active layer -centred polygon near permafrost table; Rim_ EU6441
AY211657.1 gg_id:95801 Gulf Mexico seafloor sediment clone GoM GC185 503E AY2116
AY211680.1 gg_id:96542 Gulf Mexico seafloor sediment clone GoM GC234 621E AY2116
AF482437.1 gg_id:77432 granular sludge clone R2b29 AF4824
FJ902092.1 gg_id:566804 phreatic limestone sinkholes northeastern Mexico orange biomat 8m deep cenote Ca FJ9020
DQ521786.1 gg_id:160206 Anaerobic Methane Oxidizing ANME-1b Archaea Hypersaline Sediments Gulf Mexic DQ521
FJ462010.1 gg_id:593726 Microbial ecology industrial digestor mesophilic anaerobic reactor fed effluent chemi FJ4620
AJ583188.1 gg_id:94853 radioactive site ground water clone S15B-MN12 AJ5831
EU644229.1 gg_id:282165 and Samoylov Island Lena active layer -centred polygon near surface horizon; Rim_T EU6442
AB525446.1 gg_id:570354 Segregated ANME-1 and -2 cold-seep marine sediments deep-sea methane seep sed AB5254
DQ787721.1 gg_id:162776 holocene lake sediment clone SLB628 DQ787
FJ902107.1 gg_id:580738 phreatic limestone sinkholes northeastern Mexico orange biomat 8m deep cenote Ca FJ9021
AM745217.1 gg_id:294031 Impact oil er hydrocarbons on microbial and activity Gulf Mexico cold seep marine s AM745
AF385080.1 gg_id:28552 Desulfacinum subterraneum str. 101 AF3850
AF170418.1 gg_id:73225 Desulfacinum sp. str. M40/2 CIV-2.3 AF1704
DQ006288.1 gg_id:123413 Desulfatimicrobium mahresensis str. SA1 DQ006
FN356276.1 gg_id:558010 Prokaryotic structure sulfate reducer activity -temperature reservoirs and without ni FN3562
FN356315.1 gg_id:570270 Prokaryotic structure sulfate reducer activity -temperature reservoirs and without ni FN3563
NR_027598.1 gg_id:544627 Syntrophobacter fumaroxidans MPOB str. MPOB; DSM 10017 NR_02
AAJF01000012.1 gg_id:134597 Syntrophobacter fumaroxidans str. MPOB AAJF01
GQ261306.1 gg_id:543826 Study on Sediment sediment Dongping Lake clone 1S2-18 GQ261
AB232801.1 gg_id:138526 Microbial mesophilic chemostat cultivation propionate-degrading methanogenic con AB2328
FJ535519.1 gg_id:538615 Microbial digestion swine wastewater anaerobic UASB reactor clone SWADLP2-18 FJ5355
GU208398.1 gg_id:581775 Study on Sediment Dongping Lake sediment clone Fh1-17 GU208
GQ402720.1 gg_id:583853 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
CU920959.1 gg_id:535086 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU920
CU924062.1 gg_id:573309 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU924
CU921674.1 gg_id:543856 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU921
FJ484661.1 gg_id:571785 microbial autonomous rover world's deepest phreatic sinkhole wall biomat El Zacator FJ4846
X70905.1 gg_id:10750 Syntrophobacter wolinii str. defined co Desulfovibrio sp. DSM 2805 X70905
EF515568.1 gg_id:222770 Electricigen Enrichment MFC full-scale anaerobic bioreactor sludge treating brewery EF5155
AB232820.1 gg_id:139158 Microbial mesophilic chemostat cultivation propionate-degrading methanogenic con AB2328
DQ415751.1 gg_id:157212 Dominant microbial limestone-corroding biofilms frasassi system Italy Frasassi sulfid DQ415
CU921434.1 gg_id:549201 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU921
FN646446.1 gg_id:589878 candidate division OP3 cells limonene Limonene degrading methanogenic s clone LiN FN6464
X94911.1 gg_id:10755 Syntrophobacter sp X94911
GQ402673.1 gg_id:585966 Accessing microbial biodiversity and metabolic potential tropical -based approach p GQ402
EF688226.1 gg_id:329449 Detection microbial sludge anaerobic wastewater treatment system clone 5E3_cons EF6882
DQ404834.1 gg_id:155072 contaminated sediment clone 655963 DQ404
U25627.1 gg_id:10762 Thermodesulforhabdus norvegica str. A8444 U2562

2429.2	12279.4	12428.9	12883.9	12302.7	10648.7	14296.8	9309.8	9469.7	4410.9	10483.1
326.8	2294.4	2819.2	3080.6	3372.2	2779.7	3757.6	2720.2	1172.4	2916.5	1779.9
6107.6	4904.0	5103.3	5827.8	4556.0	5016.3	6928.9	4803.5	5722.0	4351.7	4616.1
649.4	3998.9	4490.1	4545.6	4742.5	3765.4	5714.1	3852.4	1958.2	862.9	2825.7
8706.9	10483.5	10622.1	10835.8	9878.4	10493.4	10859.1	9068.5	17354.0	12829.0	13759.2
35.4	3707.8	3827.2	3505.2	1784.5	2135.9	6036.4	2508.3	233.1	155.1	1690.3
812.6	5282.7	6887.7	7786.6	6719.6	6300.8	6553.4	6187.7	5070.4	5103.7	6026.7
6261.0	8327.8	9396.4	10102.0	8096.4	7734.1	8700.4	7574.5	11444.3	9109.2	9622.4
95.0	542.9	719.9	632.6	626.7	514.3	761.2	573.2	265.1	105.2	445.7
2495.9	6368.0	5702.9	6282.9	5821.8	5650.0	7030.7	6205.6	8805.8	7606.5	5235.1
821.5	2748.6	3707.6	3290.2	2132.5	2639.6	2544.9	3763.7	2508.6	2613.2	2543.6
46.9	3297.4	3269.6	3366.0	2043.3	2675.6	4267.3	2820.4	691.0	267.6	1772.9
3353.8	6246.8	5998.2	6473.2	6058.4	5554.7	8557.0	5356.9	3944.4	3116.9	4877.1
679.5	6864.7	7857.3	6670.4	5108.2	6329.8	9083.0	6979.1	6939.0	4424.1	7442.5
52.4	518.8	618.7	629.7	811.3	431.5	818.0	440.1	164.7	122.8	1572.3
700.5	4797.3	4270.3	5449.4	5679.0	4242.6	7343.9	4167.5	4171.7	2515.0	3920.4
45.9	475.9	754.8	893.3	265.6	466.1	637.0	580.4	259.2	344.5	518.8
268.9	3223.0	2463.3	3396.0	3492.1	2597.6	6595.7	2327.3	1875.5	1122.0	2141.9
22083.8	7695.1	6936.4	7397.8	6756.9	6694.0	9060.4	6890.1	8583.8	8302.8	9950.9
50.3	764.3	930.6	618.5	1077.8	563.7	3024.0	337.6	188.4	88.9	464.3
147.2	1744.3	2432.7	2011.0	2139.1	1707.4	2788.5	1841.8	1289.9	899.2	1631.6
79.5	1536.3	1803.0	2027.8	2027.6	1339.4	4041.5	1531.6	541.4	205.1	973.6
58.5	1904.7	2221.1	2025.6	1704.5	1704.1	3872.5	1783.7	673.4	335.1	1403.3
46.2	1708.1	1635.2	1315.7	1225.1	1199.9	4094.2	818.7	249.3	133.3	642.8
7491.0	5490.4	5805.1	6962.2	5644.9	5290.5	7496.4	5686.4	4469.0	4982.1	4674.0
49.7	1758.3	1864.9	1994.2	2200.2	1456.2	6825.6	1584.1	292.1	175.2	662.7
12555.3	4967.8	5252.5	6171.5	5225.2	4598.1	7612.5	4814.1	5614.8	3581.8	5519.6
162.9	623.7	555.4	468.3	579.1	587.8	859.8	494.4	204.8	94.7	267.1
13815.1	7660.4	7520.9	8106.6	7819.7	7046.1	9274.2	7580.6	9038.2	7234.5	9949.8
228.5	4856.5	5307.2	4178.1	4418.9	4489.2	7468.9	3663.7	4335.7	3214.4	3750.4
40.3	227.2	272.7	224.7	327.0	294.4	430.7	178.2	51.0	30.7	137.7
722.9	2012.8	2197.0	1961.7	1590.3	1747.3	2889.8	1865.5	2092.9	1260.8	1728.2
47.2	637.3	648.5	483.8	368.3	345.9	1112.7	571.7	138.0	111.7	377.7
1890.2	4812.8	5280.2	5897.2	6106.4	4739.5	6617.0	4597.5	3178.5	4223.2	4092.5
237.8	2942.5	3217.9	2766.5	2815.9	2623.6	4916.4	2600.6	1807.6	1482.7	2253.2
883.2	3943.3	5039.1	4431.5	4504.6	3794.9	7621.8	3758.2	1758.9	542.2	2919.2
56.0	1130.8	1330.1	1179.7	1816.8	1037.1	3584.3	1045.1	309.2	285.0	666.3
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3239.0	7721.9	7291.3	8235.7	10721.1	7925.0	11915.5	6987.8	6344.1	4595.0	7271.2
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51.6	175.1	216.4	224.9	260.4	249.9	294.8	249.7	117.9	76.2	126.6

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6642.5	8949.2	8033.1
3649.3	3000.5	3082.2
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1393.3	2132.7	2225.2
562.9	238.1	292.0
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EU134394.1 gg_id:237260 tallgrass prarie soil clone FFCH612 EU1343
GQ389113.1 gg_id:535437 quality deterioration drinking system during serious red water outbreak clone S67 GQ389
FJ205268.1 gg_id:558961 Prokaryotic deep-sea region East Lau Spreading Centre active hydrothermal field sedi FJ2052
EU373905.1 gg_id:267944 southern Cretan margin (eastern Mediterranean Sea) canyon and slope sediment clc EU3739
GU208360.1 gg_id:560302 Study on Sediment Dongping Lake sediment clone Td4-7 GU208
EF019335.1 gg_id:206015 aspen rhizosphere clone Elev_16S_545 EF0193
FJ478988.1 gg_id:560191 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4789
EU335317.1 gg_id:248449 Changes microbial metabolic and along hydrogeochemically variable profile unsatura EU3353
AM936205.1 gg_id:559827 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
GQ472446.1 gg_id:568881 Microbial Dongping Lake lake sediment clone 5T1-3 GQ472
AF523967.1 gg_id:63257 forested wetland clone FW136 AF5239
AY963427.1 gg_id:152097 structures and correlated ecological factors soils two evergreen broad-leaved forests AY9634
FJ478874.1 gg_id:593126 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4788
FJ479469.1 gg_id:572414 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4794
AB426233.1 gg_id:275505 -situ identification study benzene-degrading s under methanogenic condition anaerc AB4262
GU208380.1 gg_id:565064 Study on Sediment Dongping Lake sediment clone Td2-11 GU208
AB128874.1 gg_id:103274 deep marine sediments Nankai Trough Japan; ODP Leg 190 clone 1174-1091-4 AB1288
EU134559.1 gg_id:243792 tallgrass prarie soil clone FFCH3288 EU1345
AY921794.1 gg_id:113824 farm soil clone AKYG681 AY9217
FJ478660.1 gg_id:573531 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786
GQ259289.1 gg_id:564500 Microbial activities coastal marine sediments and water column Svalbard deep sedir GQ259
AF523886.1 gg_id:55388 forested wetland clone RCP2-54 AF5238
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FJ479389.1 gg_id:559874 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4793
AM072417.1 gg_id:138410 Untersuchung Verschiebung der bakteriellen Populationen mit U(VI) inokulierten Bc AM072
FJ479315.1 gg_id:575779 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4793
GQ302546.1 gg_id:581532 prokaryotic sediment Shawan methods cold spring clone sw-xj100 GQ302
GU056068.1 gg_id:552030 Biologic Techniques Applied Microbial Prospecting China: Ban 876 Gas Oil Field Bein GU056
FJ479231.1 gg_id:593037 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4792
AJ296569.1 gg_id:38614 uranium mining mill tailing clone GR-WP33-30 AJ2965
CU921195.1 gg_id:543214 Towards definition core microorganisms involved digestion mesophilic anaerobic dig CU921
GU118124.1 gg_id:547351 Threatened Corals Provide Microbial Habitats clone Apal_A09 GU118
EF600558.1 gg_id:302892 soil clone E5-2 EF6005
EU202780.1 gg_id:326405 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU2027
FJ479565.1 gg_id:510105 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4795
AJ581602.1 gg_id:93483 soil near uranium mill tailings clone KCM-B-53 AJ5816
EF032748.1 gg_id:191331 cyanobacterial mat in lava cave clone HAVOmat120 EF0327
AM997325.1 gg_id:555867 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
FJ478489.1 gg_id:572174 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4784
GQ500719.1 gg_id:581516 Surveys Biofilms and Sediments Mammoth Cave Karst Aquifers Charon's Cascade sa GQ500

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46.0	1932.7	1531.8	1654.0	3430.0	2202.0	2060.6	1313.3	419.1	88.5	969.6
224.8	3921.0	3048.5	2709.7	3094.6	3467.2	3786.2	2015.6	2665.7	1081.1	2096.7
89.0	1715.9	1715.1	1765.2	2619.8	1822.7	2244.0	1559.6	455.6	371.5	1112.7
60.3	1663.5	768.1	1127.4	2084.0	2907.6	1471.0	739.8	159.5	30.5	743.0
4095.1	6245.3	6793.0	7110.0	7016.6	6199.9	8222.4	6355.4	6133.6	3612.7	6482.0
4456.7	3761.2	3973.4	4762.6	4623.2	3743.9	6083.4	3909.9	1669.3	2164.8	3577.6
27.5	208.8	305.0	244.7	2497.7	827.1	306.0	147.4	99.2	20.0	80.4
30.0	28.0	29.7	33.4	79.0	72.4	32.8	24.3	20.3	16.4	31.0
8588.3	6859.5	6202.0	6835.2	7439.5	5802.2	8061.6	7088.7	7024.0	5728.3	6231.5
368.4	2878.2	2958.5	3466.2	3895.3	2924.1	4354.8	3257.8	2107.9	896.1	1834.2
1778.7	2524.0	2972.2	3405.5	3380.6	2912.9	3995.1	2493.7	1908.2	1845.2	2367.9
42.6	69.3	30.3	35.0	215.4	325.6	37.6	21.9	11.8	22.7	180.4
124.9	4324.9	3288.6	3913.7	3880.1	4665.6	4340.0	2029.8	904.2	238.9	2419.6
1065.6	4958.9	5291.8	5497.7	5139.8	4649.3	6222.3	5162.0	5322.4	3260.7	4748.3
6369.9	5250.6	6923.8	7129.8	7305.8	5461.6	7615.5	5431.6	4617.9	1655.1	5292.2
5462.5	7444.2	7353.4	8314.5	8593.8	7243.1	10210.4	7428.3	8054.5	6077.3	11096.1
47.3	43.0	47.1	54.7	88.0	55.0	55.0	42.6	24.3	24.6	41.7
1770.9	6430.8	7246.7	7587.2	7780.9	6783.0	8786.7	6859.2	5573.3	3582.4	6118.3
1372.8	2692.6	2247.6	2716.8	2907.9	2674.5	2772.0	1673.1	1377.2	849.3	1526.1
3540.1	6587.7	6873.4	7546.4	6921.7	6629.6	7401.0	6666.1	5462.0	2709.1	5815.2
17348.1	7807.9	7493.0	8417.6	7867.6	7042.5	9401.9	7429.2	12085.2	6221.7	9765.8
40.9	131.8	205.8	206.3	265.8	248.8	197.6	91.4	21.3	25.8	48.7
13864.9	13364.5	12062.4	14931.9	18102.3	13726.1	17413.2	11492.9	9286.0	5078.6	11690.6
3589.9	5708.7	5416.0	6347.0	6878.4	6088.0	7147.3	4593.2	4348.5	3194.2	5155.3
2186.2	3723.9	3846.5	4282.6	4436.8	3889.7	4913.1	3994.6	3693.2	1687.6	4258.4
4215.2	3681.1	3077.3	3677.7	3705.4	4324.6	3650.7	2823.1	2784.8	2559.6	4499.5
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400.7	4290.2	4251.7	4473.4	4493.2	4526.5	5153.7	4403.1	2876.9	1768.5	5553.8
31.8	220.3	394.4	327.2	600.8	419.1	671.0	321.7	152.5	50.4	98.3
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630.9	3665.5	2787.4	2937.9	4958.8	4193.0	4488.3	2517.9	1514.8	3380.8	2904.7
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17905.1	4968.8	5469.5	6234.9	8150.0	5456.9	8803.8	5599.2	4844.6	1815.3	4766.4
404.7	3100.5	3603.1	4089.2	4500.3	3752.3	4885.2	3159.7	1697.7	1193.6	2965.6
821.1	6429.3	6703.8	7377.1	7782.0	7348.6	8516.2	5479.9	4195.6	3262.3	5967.7
3227.4	4656.0	3963.5	4275.0	5598.6	3859.9	5495.6	3943.3	1919.3	1446.9	2189.2

5417.2	5609.0	5766.8
948.2	1384.1	3705.4
2209.8	2505.2	4093.8
2038.3	1777.4	3445.9
462.1	1452.2	3489.4
5078.8	5354.1	7717.2
3557.2	4496.5	4751.6
125.5	905.8	1385.2
39.0	47.6	240.0
5545.7	7752.5	7267.1
2752.5	3359.3	4126.0
2601.8	3797.2	4179.0
50.7	208.8	760.2
1624.7	2967.9	6572.9
4123.8	5296.4	4668.4
4870.2	5356.1	7445.8
7047.7	7112.3	8386.2
40.6	53.3	125.6
5056.1	7159.4	9033.9
1608.8	2367.2	3598.3
6355.3	6853.8	8695.9
6746.9	7976.3	7910.0
45.0	132.0	271.2
12708.3	13023.0	18533.4
4687.4	5476.1	8473.7
4943.4	3546.5	5193.1
2157.5	5349.3	5031.9
5404.0	6234.8	5736.1
1614.1	2960.4	4508.2
2143.8	2436.2	5671.9
2071.3	3753.2	3528.0
2863.5	3519.8	5360.8
509.2	372.9	778.0
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2038.2	2756.3	5393.4
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3905.6	6118.0	6696.1
5947.2	6070.2	9184.7
3197.7	3476.1	5244.6
5199.0	6155.3	9425.7
4134.6	3860.3	4613.0

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FJ478475.1 gg_id:585889 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4784
DQ811806.1 gg_id:165767 mangrove soil clone MSB-4C10 DQ811
GQ262847.1 gg_id:549915 Structure Simulated Level Waste Site simulated level waste site clone F1_28X2 GQ262
EF018612.1 gg_id:215602 aspen rhizosphere clone Amb_16S_891 EF0186
EF032749.1 gg_id:192369 cyanobacterial mat in lava cave clone HAVOmat133 EF0327
EF590024.2 gg_id:228859 changes structure sediments Songhua River contaminated nitrobenzene -DGGE cloni EF5900
EU617849.1 gg_id:331603 Seasonal variation microbial Yel Sea sediment clone D13S-11 EU6178
GU061491.1 gg_id:560172 and function microbial mesoscale eddy perturbations South China Sea clone CE1-DC GU061
FJ478639.1 gg_id:593827 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4786
GU230392.1 gg_id:586588 Multilevel approach along Rio de la Plata-South Atlantic Ocean coastal sediment clo GU230
EF032751.1 gg_id:195011 cyanobacterial mat in lava cave clone HAVOmat82 EF0327
AB240314.1 gg_id:144627 microbial structure Phragmites rhizosphere biofilm reed bed reactor laboratory clon AB2403
AJ519632.1 gg_id:77057 uranium mill tailings soil sample clone Sh765B-AG-71 proteobacterium AJ5196
AY289452.1 gg_id:89599 soil clone ABS-13 AY2894
FJ152850.1 gg_id:315633 Changes ly soil (Mexico) flooding alkaline saline soils former lake Texcoco clone TX5A_ FJ1528
AM997396.1 gg_id:572529 and biogeography deep-sea surface sediments South Ocean Atlantic Ocean:South-A AM997
AM936195.1 gg_id:548041 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM936
EU050854.1 gg_id:254522 libraries sediment Kings Bay Svalbard Arctic clone ss1_B_02_28 EU0508
AJ518789.1 gg_id:75247 uranium mining waste pile near Johanngeorgenstadt soil clone JG37-AG-2 AJ5187
EF018554.1 gg_id:205913 aspen rhizosphere clone Amb_16S_816 EF0185
EU386119.1 gg_id:276230 Biogeographical and microbes sediments on subseafloor sediment South China Sea c EU3861
EU134520.1 gg_id:240393 tallgrass prarie soil clone FFCH8074 EU1345
FJ755756.1 gg_id:578972 vertical archaeal water and Lake Taihu sediment clone LT-SB-B12 FJ7557
EU134328.1 gg_id:249749 tallgrass prarie soil clone FFCH11550 EU1343
EU202763.1 gg_id:324982 -DGGE and Approach Analyze Effect Agricultural Practices on Soil agricultural soil clo EU2027
AB234261.1 gg_id:147174 Biotransformation Polychlorinated Dioxins Microbial Dynamics Sediment Microcosm AB2342
AB252957.1 gg_id:168547 Identification Shibayama lagoon Ishikawa Japan iron-oxidation biofilm clone 023 AB2529
EU881148.1 gg_id:323943 Karst region primary forest soil clone KPF200711-152 EU8811
EF471464.1 gg_id:262091 Fast Screening and Estuarine Operon Libraries whole surface water Chesapeake Bay EF4714
EF019530.1 gg_id:214844 aspen rhizosphere clone Elev_16S_1033 EF0195
GQ246353.1 gg_id:509231 Temporal and spatial China North Yel Sea sediments clone Cm1-16 GQ246
FJ479302.1 gg_id:535350 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4793
AB252435.1 gg_id:152635 Microbial extremely CO2 rich deep-sea sediment Marine sediments Yonaguni Knoll I' AB2524
EF076107.1 gg_id:244235 Sponge- microorganisms: ecology and biotechnological potential Bahamas: Little San EF0761
FJ478944.1 gg_id:512156 species richness estimates obtained nearly and simulated pyrosequencing-generated FJ4789
AY963383.1 gg_id:152964 structures and correlated ecological factors soils two evergreen broad-leaved forests AY9633
AF234748.1 gg_id:48147 sludge clone H16 AF2347
EF516526.1 gg_id:226074 grassland soil clone FCPP428 EF5165
AM935117.1 gg_id:565668 Dynamics during identified and SSU libraries pilot-scale bioremediation process hyd AM935
AM889194.1 gg_id:593414 structure superficial sediments Bizerte (Tunisia) southern Mediterranean coastal an AM889
EF125461.1 gg_id:182959 mangrove soil clone MSB-2H1 EF1254

2437.7	9865.0	8813.8	10292.5	11525.9	9556.7	11957.0	8689.6	9808.4	6822.3	9458.9
127.3	1185.7	1621.8	1456.0	1817.7	1458.3	2546.5	1760.7	835.6	413.8	1495.9
164.5	3918.3	3578.0	3796.4	4937.4	4348.8	5784.9	2356.0	1040.9	659.4	2393.5
130.4	1509.7	1742.8	1921.2	1941.1	1578.1	2102.7	1655.1	1034.9	434.1	1370.5
63.7	1284.5	1500.5	1717.1	5549.0	2934.2	2554.5	1326.0	451.2	1133.4	659.4
703.4	2249.1	2903.0	3266.8	3626.6	2967.6	3908.7	3263.9	1238.1	1839.3	2139.8
36793.9	7168.8	7410.0	7991.2	8917.9	6960.8	10527.7	6337.6	11976.0	8111.3	11017.9
131.6	867.7	1431.0	1899.8	1844.5	1108.2	2269.5	1507.8	347.8	249.1	972.2
3791.6	6633.3	6546.4	7228.6	7078.5	7243.8	7032.1	5979.2	6709.8	4545.7	6340.9
33.5	2108.1	1822.1	1998.4	2850.8	1933.7	3175.2	2236.5	545.2	249.0	982.0
710.8	1183.0	1054.2	1156.8	1862.4	1284.8	1412.5	1038.6	760.8	624.3	1130.0
2452.6	5198.6	5038.6	6238.8	6681.7	5390.9	7073.8	5007.4	4792.5	4654.5	4966.3
44.8	260.0	191.6	177.4	494.2	521.5	171.6	114.0	52.0	48.3	107.6
60.4	673.3	393.2	648.9	756.8	936.9	640.6	289.4	93.7	46.9	347.8
1094.6	4065.7	4201.3	5002.4	5193.3	4252.5	5991.4	5132.9	3687.7	3516.0	4131.9
1195.4	8645.0	8667.7	10303.4	12503.3	9946.1	11347.8	8096.9	5027.8	3330.9	7708.8
3131.2	3750.0	4690.6	5208.2	4995.4	3720.0	6749.9	4500.8	3138.1	1664.0	4645.2
1316.8	4629.2	5044.1	5422.4	5350.8	5577.8	6050.6	5592.7	4141.0	3665.9	4451.6
1447.8	4524.4	2786.3	3170.2	5146.3	4709.6	4473.6	2307.3	1731.4	70.3	3110.5
349.2	3174.2	2673.4	4024.2	6094.6	4540.8	4719.4	2927.8	2452.9	1185.0	2584.6
2638.4	4235.8	3805.6	4532.8	4882.3	3603.3	5694.7	3642.5	1756.8	1463.0	3107.1
18550.4	8638.1	8194.5	9672.0	9642.0	9286.3	10955.1	9578.0	9140.3	7798.9	10754.6
6564.3	6263.7	5089.3	6622.5	7326.1	6517.4	7499.8	5760.6	5978.1	3636.2	5909.9
8430.0	4556.0	5907.0	6361.1	6575.1	5653.5	8245.4	5579.8	6107.7	6281.7	5715.1
6729.8	6374.9	5433.8	5787.6	6906.0	6721.4	6725.3	5279.9	5749.2	4571.4	7126.0
65.0	247.1	191.5	130.7	730.2	313.5	596.5	179.7	125.3	100.8	109.2
50.4	1306.3	1083.7	1721.9	5441.5	2447.4	6180.3	1831.6	319.8	151.7	602.8
66.5	4488.3	4839.6	4877.7	7319.9	4712.5	6653.2	4134.2	3184.1	3542.3	3407.5
3304.6	3516.5	3237.4	2651.3	3734.7	3651.3	4974.5	3854.4	2498.6	1178.5	2398.2
43.0	843.0	809.9	1271.3	2195.5	992.0	2601.2	744.9	212.1	126.7	297.3
389.5	3568.6	4127.2	4942.9	4199.4	3425.8	4188.1	3698.4	1594.5	1677.9	2514.5
2917.2	4934.3	3844.1	4940.7	6506.6	4860.0	5943.4	4158.9	4604.1	3345.1	4508.0
13332.1	9421.7	9271.3	9743.7	10019.8	10095.6	10835.0	9622.6	16923.1	10870.3	10874.7
17356.1	8751.0	9004.8	9596.1	8868.6	8589.3	10284.8	8631.9	7495.1	5975.0	11924.6
41.4	2774.3	2598.5	3206.4	4548.1	3405.4	3973.1	1979.4	1503.8	88.6	1146.3
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2488.2	3816.6	3940.5	4340.9	3974.3	4313.4	5104.1	4290.3	6403.5	2871.7	3071.3
29.6	215.3	284.2	324.9	243.7	184.4	493.8	250.4	51.7	23.1	94.9

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1483.5	2145.2	2841.2
2155.0	3112.1	6558.5
1323.2	2519.8	3435.0
1374.0	2318.8	4868.3
1916.2	3254.4	5022.7
6776.8	7826.0	8545.6
929.1	1665.6	2410.6
5961.3	8026.7	8007.3
2087.1	1977.3	4022.3
757.6	1088.4	2066.5
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68.8	355.0	529.6
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3623.3	5622.3	7132.4
4831.1	5524.6	6367.5
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6424.6	7743.2	7643.9
6021.0	6417.5	7439.6
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200.4	441.7	1206.0
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8991.4	10315.5	10575.4
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k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria
k__Bacteria	k__Bacteria	p__Proteobacteria	c__Deltaproteobacteria

o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophobacteraceae
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o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophobacteraceae
o__Syntrophobacterales	f__Syntrophorhabdaceae
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o__Syntrophobacterales	f__Syntrophorhabdaceae
o__Syntrophobacterales	f__Syntrophorhabdaceae
o__Syntrophobacterales	f__Syntrophorhabdaceae
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o__Syntrophobacterales	f__Syntrophorhabdaceae

g__unclassified
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s__unclassified	51915
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