```
setwd("E:/OneDrive -
Ramboll/desktop_files/chloroprene/CDMCMCredo/CDMCMC/MCMCout/")


library(coda)
library(readr)
library(mcmc)

#Female rat Liver - KG1 was fixed at 0.45 L/hr

ch1 <- read.delim("fratliverredo1.dat")
colnames(ch1) <- c("LI", "Vmax", "Km")
ch2 <- read.delim("fratliverredo2.dat")
colnames(ch2) <- c("LI", "Vmax", "Km")
ch3 <- read.delim("fratliverredo3.dat")
colnames(ch3) <- c("LI", "Vmax", "Km")


x1 <- mcmc(ch1[1000:9999, 1:3])
x2 <- mcmc(ch2[1000:9999, 1:3])
x3 <- mcmc(ch3[1000:9999, 1:3])
x <- mcmc.list(x1, x2, x3)


pdf("plotfrliv_redo.pdf")
par(mfrow=c(3,2))
p <- plot(x)
dev.off()

gelman.diag(x, autoburnin=FALSE)

summary(x1)
summary(x2)
summary(x3)


#Female rat Kidney - KG1 fixed at 0.45 L/hr
ch1 <- read.delim("fratkidneyredo1.dat")
colnames(ch1) <- c("LI", "Vmax", "Km")
ch2 <- read.delim("fratkidneyredo2.dat")
colnames(ch2) <- c("LI", "Vmax", "Km")
ch3 <- read.delim("fratkidneyredo3.dat")
colnames(ch3) <- c("LI", "Vmax", "Km")



x1 <- mcmc(ch1[1000:9999, 1:3 ])
x2 <- mcmc(ch2[1000:9999, 1:3])
x3 <- mcmc(ch3[1000:9999, 1:3 ])
x <- mcmc.list(x1, x2, x3)
```

```
pdf("plotfrkid_redo.pdf")
par(mfrow=c(3,2))
p <- plot(x)
dev.off()

gelman.diag(x, autoburnin=FALSE)

summary(x1)
summary(x2)
summary(x3)
```

```
#Female rat Lung - KG1 fixed at 0.45 L/hr
ch1 <- read.delim("fratlungredo1.dat")
colnames(ch1) <- c("LI", "VK")
ch2 <- read.delim("fratlungredo2.dat")
colnames(ch2) <- c("LI", "VK")
ch3 <- read.delim("fratlungredo3.dat")
colnames(ch3) <- c("LI", "VK")
```

```
x1 <- mcmc(ch1[1000:9999, 1:2 ])
x2 <- mcmc(ch2[1000:9999, 1:2])
x3 <- mcmc(ch3[1000:9999, 1:2 ])
x <- mcmc.list(x1, x2, x3)
```

```
pdf("plotfrlng_redo.pdf")
par(mfrow=c(3,2))
p <- plot(x)
dev.off()

gelman.diag(x, autoburnin=FALSE)

summary(x1)
summary(x2)
summary(x3)
```