R Notebook

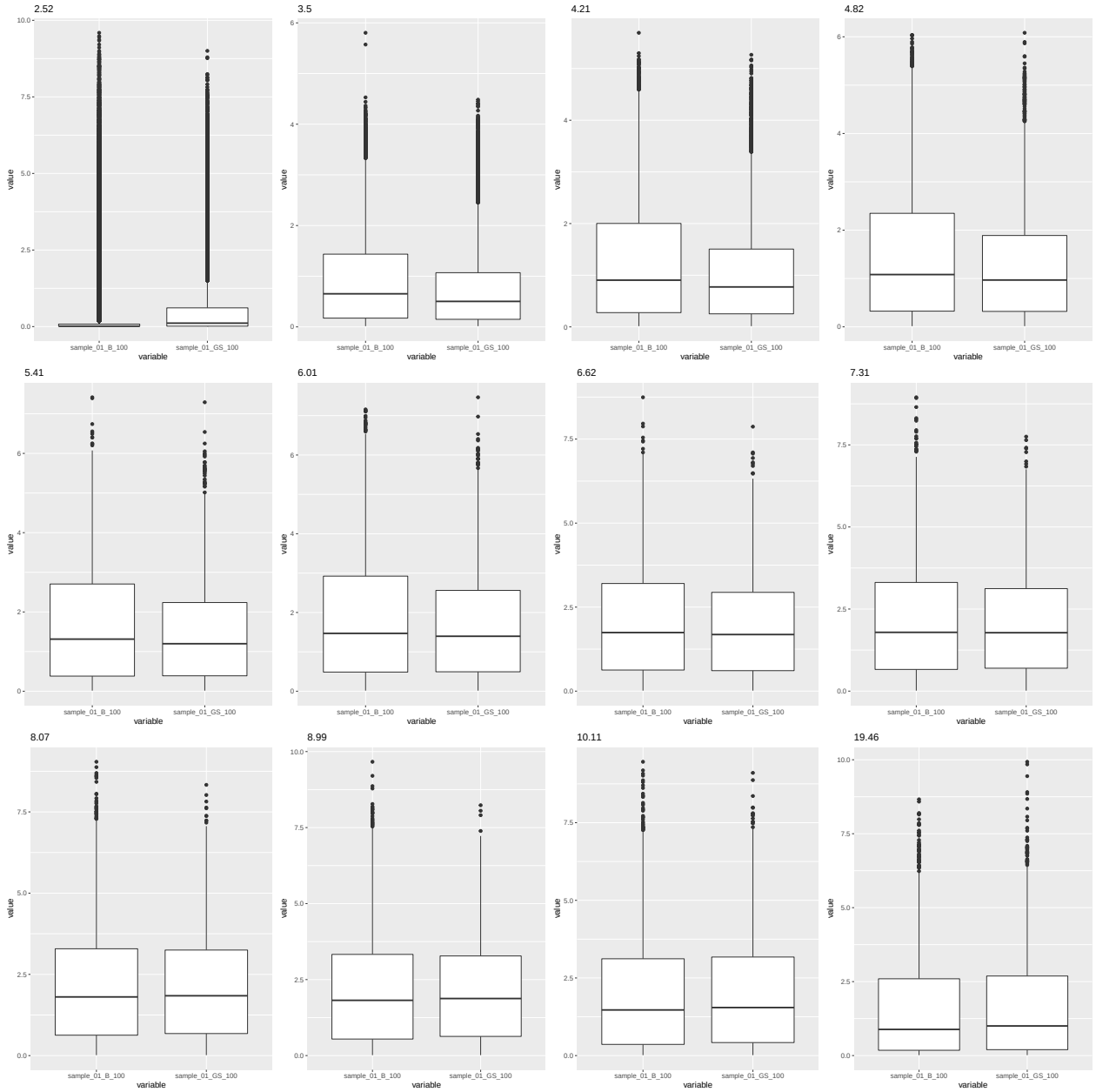
```
library(tximeta)
dir <- "../../../real_data/out/"
source("../helper_func.R")

files <- file.path(dir, c("AGR_FC1_B_1_B_100", "AGR_FC1_B_1_GS_100"), "quant.sf")
coldata <- data.frame(files, names = c("sample_01_B_100", "sample_01_GS_100"), infType = c("Boot", "GS"
se <- tximeta(coldata)
se <- computeConfInt(se, sf = F)
```

Boxplots

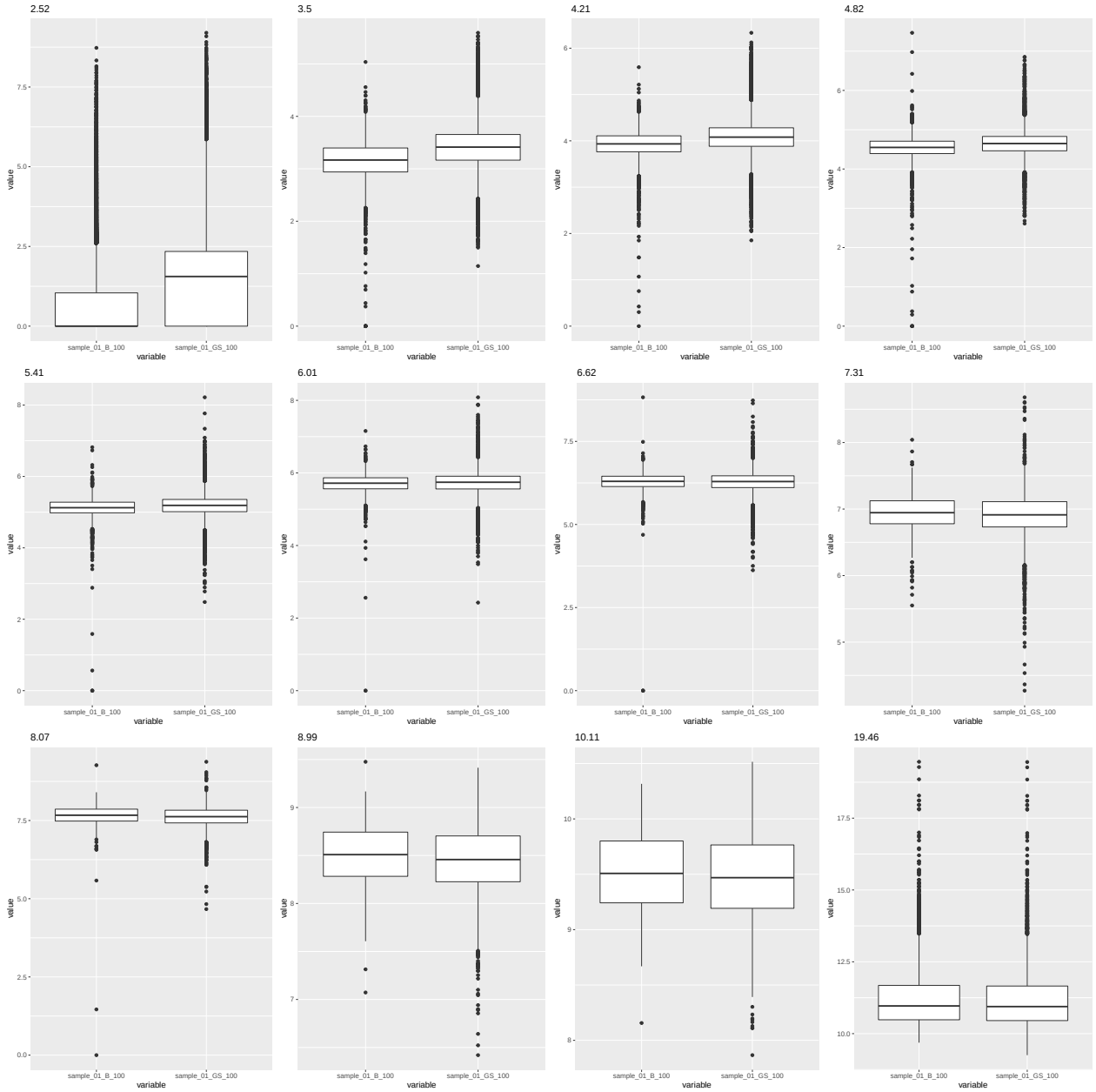
Inferential Variance

```
pL <- plotSummary(se, summQuant="infRV", nbreaks = 12, type = "BP")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
```



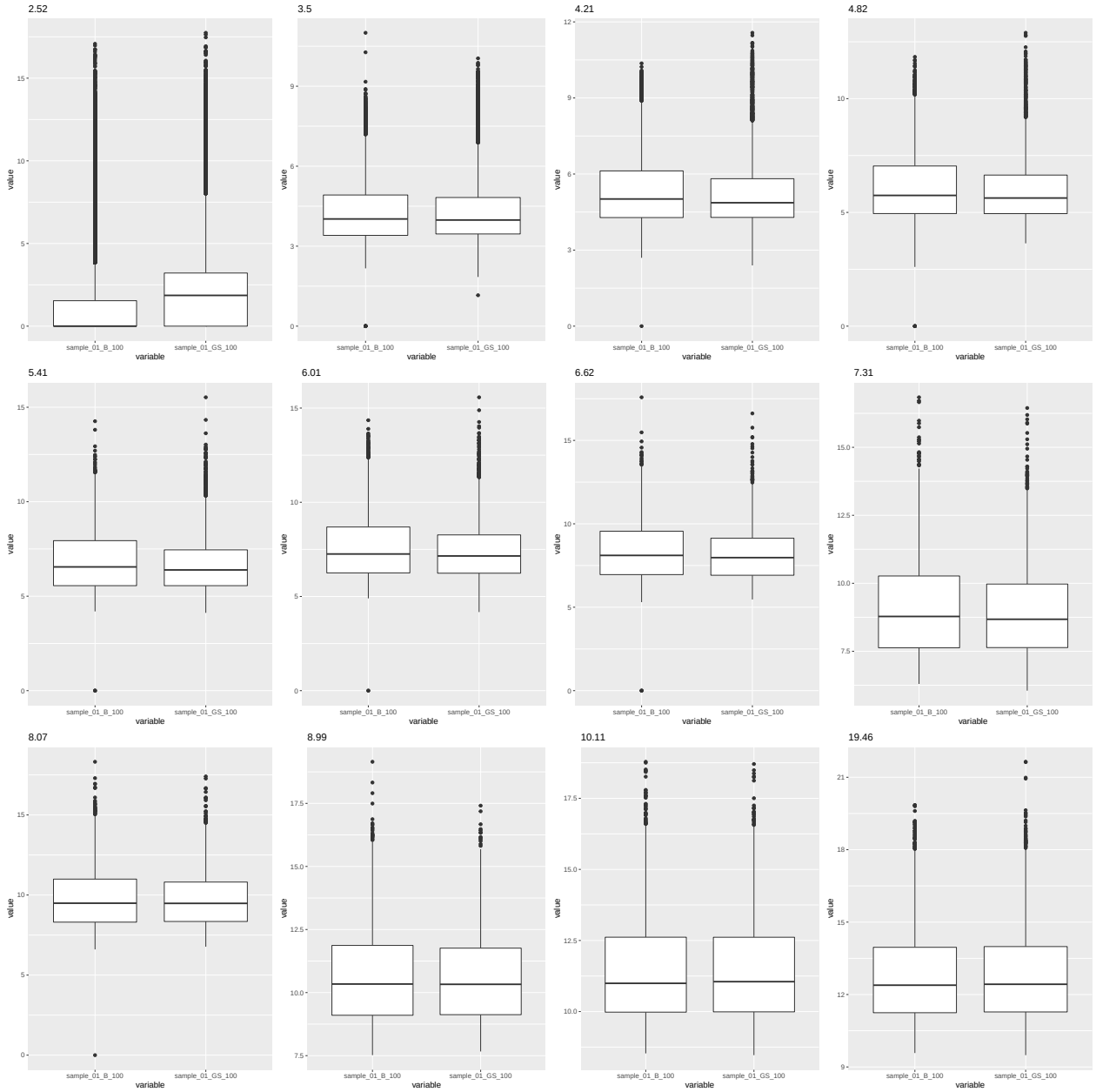
Mean

```
pL <- plotSummary(se, summQuant="mean", nbreaks = 12, type = "BP")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
```



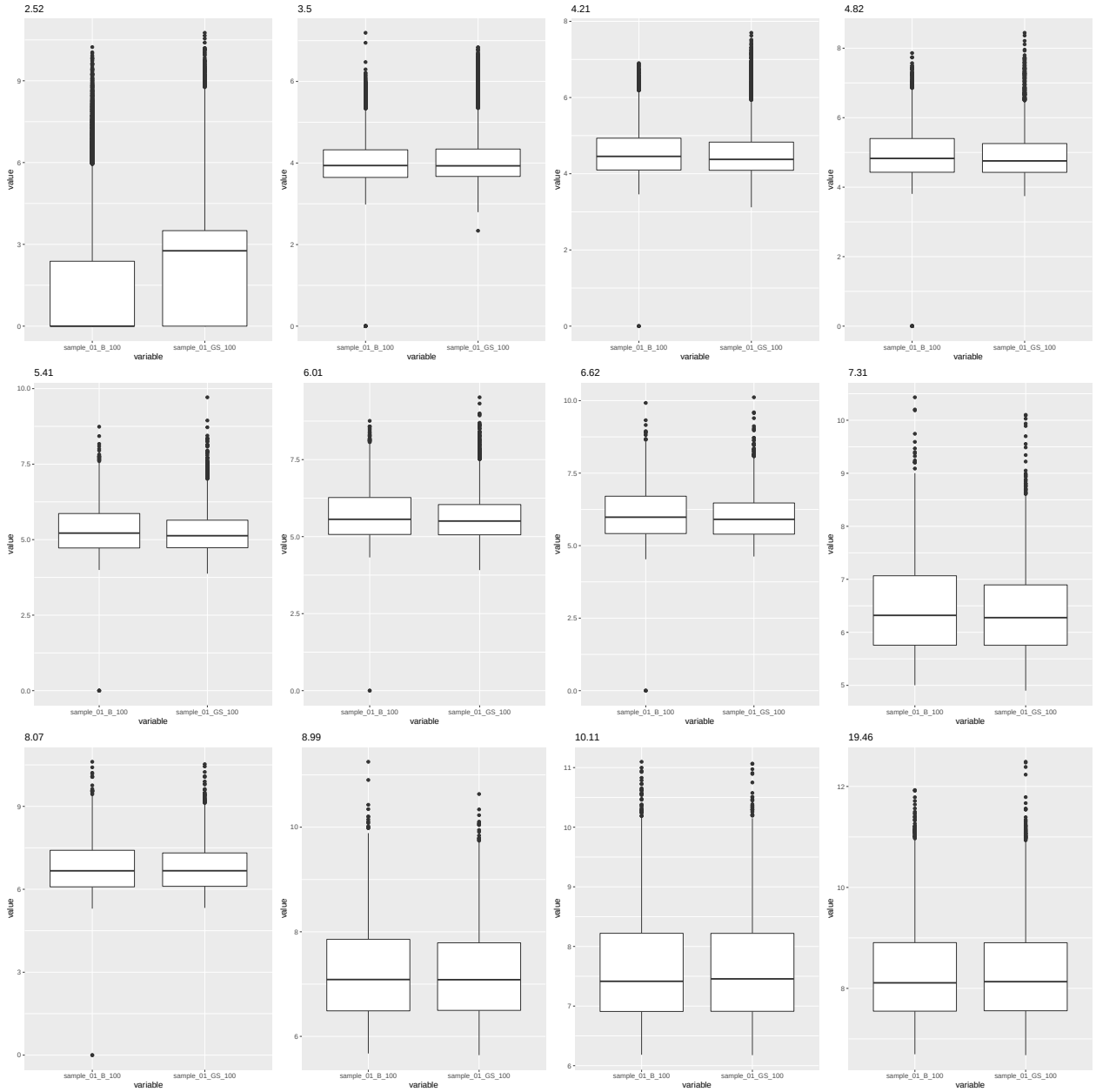
Variance

```
pL <- plotSummary(se, summQuant="variance", nbreaks = 12, type = "BP")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
```



Width

```
pL <- plotSummary(se, summQuant="Width", nbreaks = 12, type = "BP")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
```



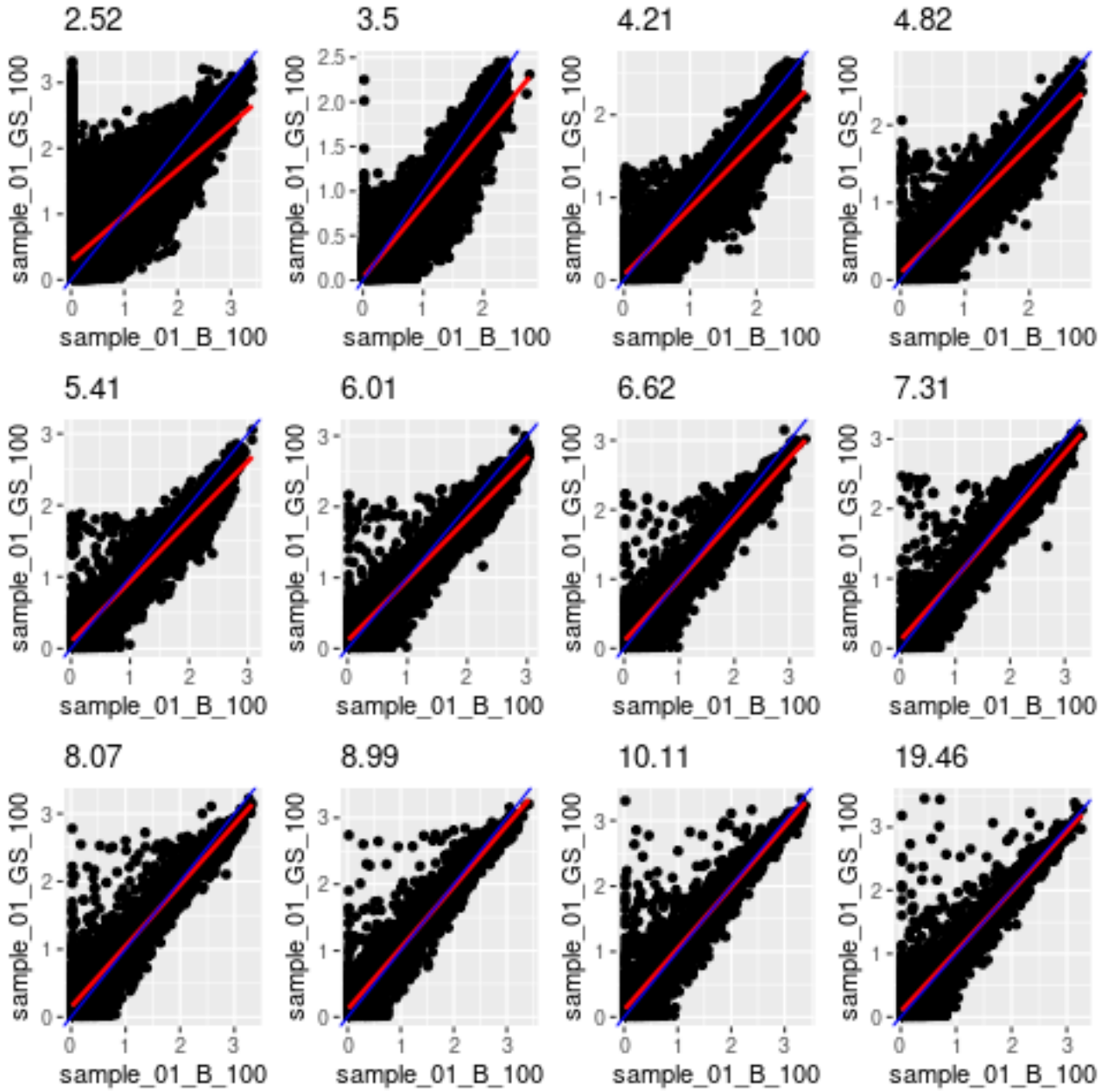
Scatter Plots

Inferential Variance

```
pL <- plotSummary(se, summQuant="infRV", nbreaks = 12)
#png("B1.png", width=20,height=20, units="in", res=300)
png("BInf.png")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
dev.off()
```

```
## pdf
##   2
```

```
knitr::include_graphics("BInf.png")
```

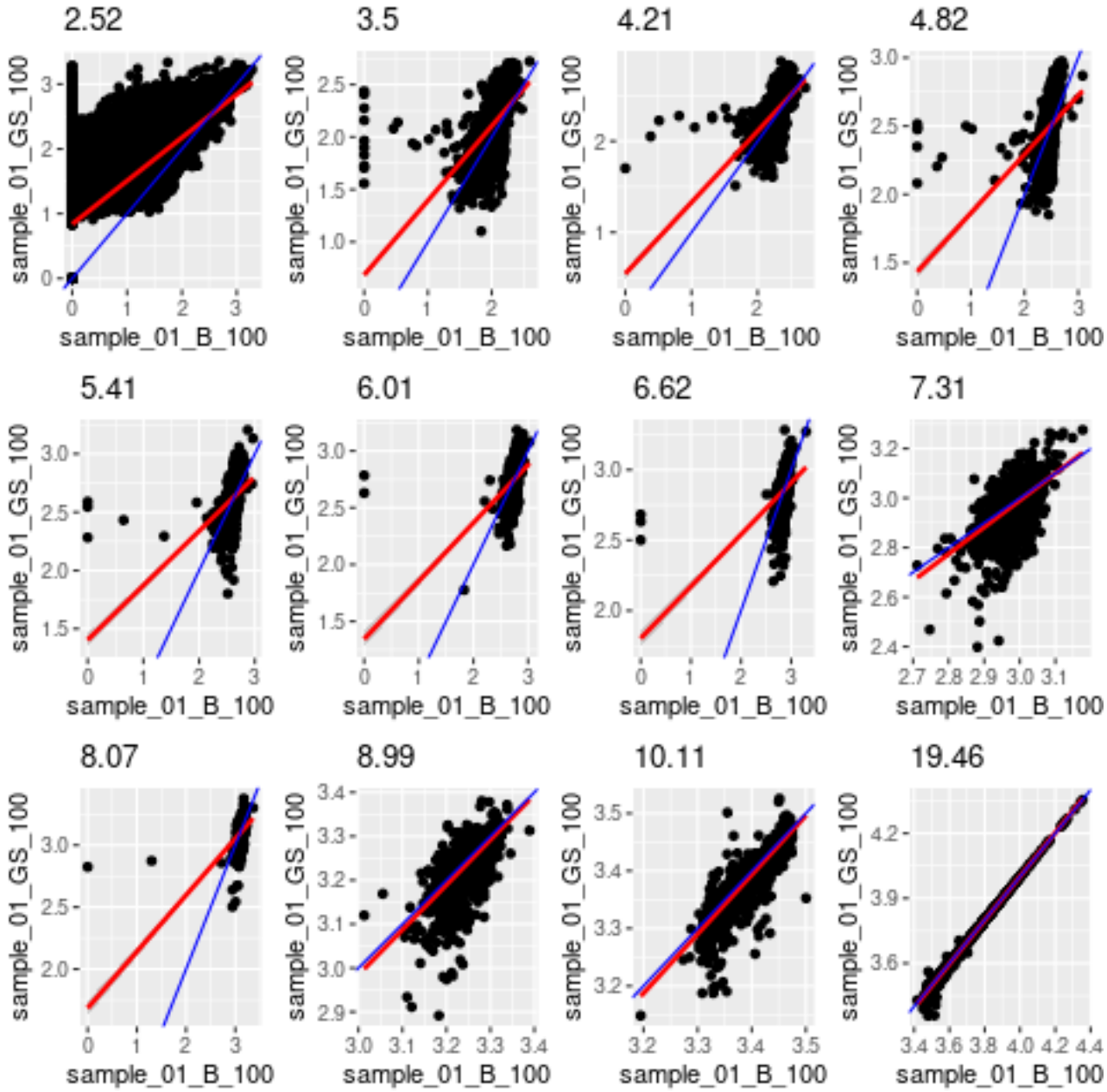


Mean

```
pL <- plotSummary(se, summQuant="mean", nbreaks = 12)
png("BMean.png")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
dev.off()
```

```
## pdf
##   2
```

```
knitr::include_graphics("BMean.png")
```

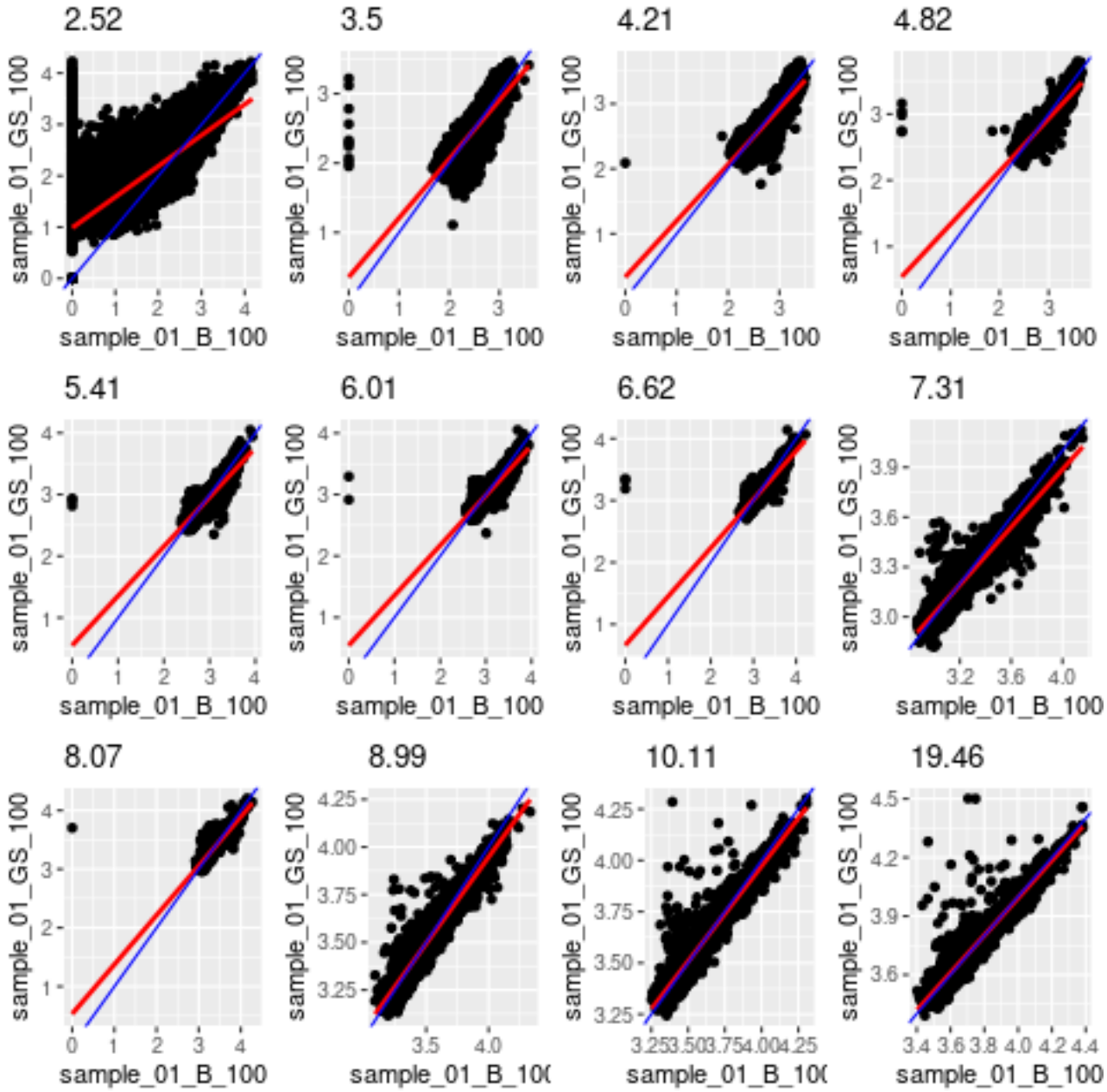


Variance

```
pL <- plotSummary(se, summQuant="variance", nbreaks = 12)
png("BVar.png")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
dev.off()
```

```
## pdf
##   2
```

```
knitr::include_graphics("BVar.png")
```



Width

```
pL <- plotSummary(se, summQuant="Width", nbreaks = 12)
png("BWid.png")
ggarrange(plotlist = pL, nrow = 3, ncol = 4)
dev.off()
```

```
## pdf
##   2
```

```
knitr::include_graphics("BWid.png")
```