PRI-FLCPDX-miR correlation

Alaa R. Farghli

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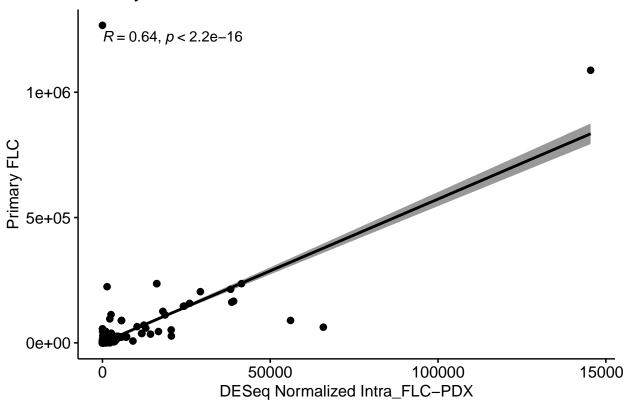
```
library(dplyr)
library(ggpubr)
library(tibble)
```

Load CSV

```
flc.intra.deseq <- read.csv("FLC-PDX_DESeq_miRs.csv")
flc.pri <- read.csv("PRI-mIRs.csv")
flc.intra.rpmmm <- read.csv("FLC-PDX_RPMMM_miRs.csv")</pre>
```

Full join FLC primary tumor and FLC-PDX miRs (avg_DESeq). Changed is.na to 0

Primary FLC tumor miRS vs FLC-PDX miRs

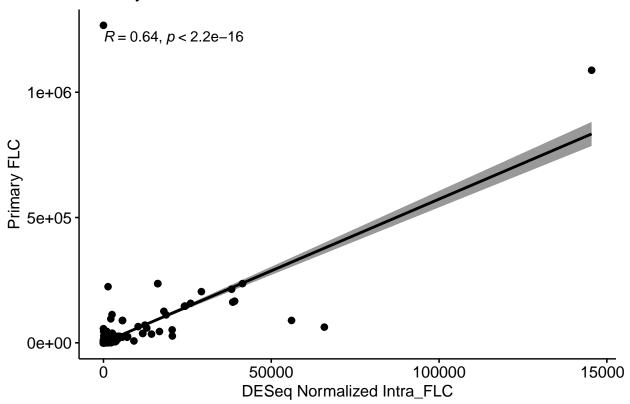


Removed rows that equal 0

```
flc.combined.deseq <- column_to_rownames(flc.combined.deseq, var = "miR")
flc.clean <- flc.combined.deseq[rowSums(flc.combined.deseq[])>0,]
```

Plotted cleaned DEseq_dataframe with and without log10 transformation

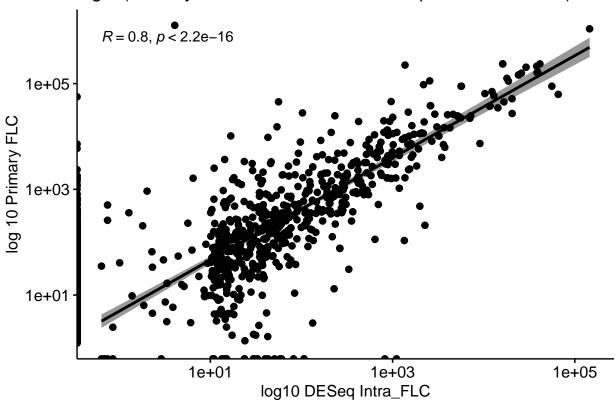
Primary FLC tumor miRs vs FLC-PDX miRs



рЗ

Warning: Transformation introduced infinite values in continuous x-axis
Warning: Transformation introduced infinite values in continuous y-axis
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Warning: Transformation introduced infinite values in continuous y-axis
Warning: Transformation introduced infinite values in continuous x-axis
Warning: Transformation introduced infinite values in continuous y-axis
'geom_smooth()' using formula 'y ~ x'
Warning: Removed 1020 rows containing non-finite values (stat_smooth).
Warning: Removed 1020 rows containing non-finite values (stat_cor).

log10(Primary FLC tumor miRs vs DESeq_FLC-PDX miRs)

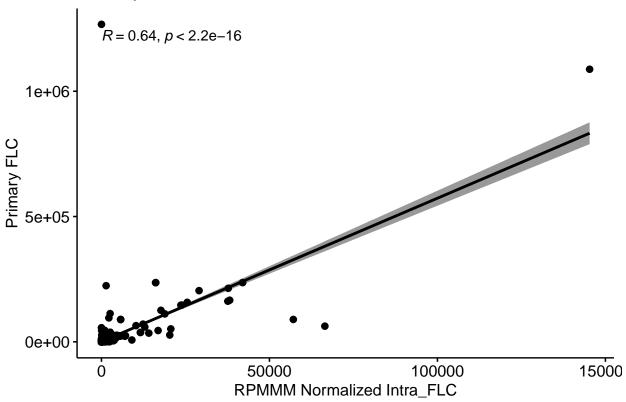


#Work flow with RPMMM

```
flc.combined.rpmmm <- full_join(flc.intra.rpmmm, flc.pri, by = "miR")
flc.combined.rpmmm[is.na(flc.combined.rpmmm)] <- 0
flc.combined.rpmmm <- column_to_rownames(flc.combined.rpmmm, var = "miR")
flc.clean.rpmmm <- flc.combined.rpmmm[rowSums(flc.combined.rpmmm[])>0,]
```

'geom_smooth()' using formula 'y ~ x'





p5

Warning: Transformation introduced infinite values in continuous x-axis
Warning: Transformation introduced infinite values in continuous y-axis
Warning: Transformation introduced infinite values in continuous x-axis
Warning: Transformation introduced infinite values in continuous y-axis
Warning: Transformation introduced infinite values in continuous x-axis
Warning: Transformation introduced infinite values in continuous y-axis
'geom_smooth()' using formula 'y ~ x'
Warning: Removed 1098 rows containing non-finite values (stat_smooth).
Warning: Removed 1098 rows containing non-finite values (stat_cor).

