

LINGO2 BAT EXP;

Lab of Veterinary Medicine_HFD GBP2 KO EXPERIMENT_ 22-10-24 _Lily Ahn

PROCEDURE

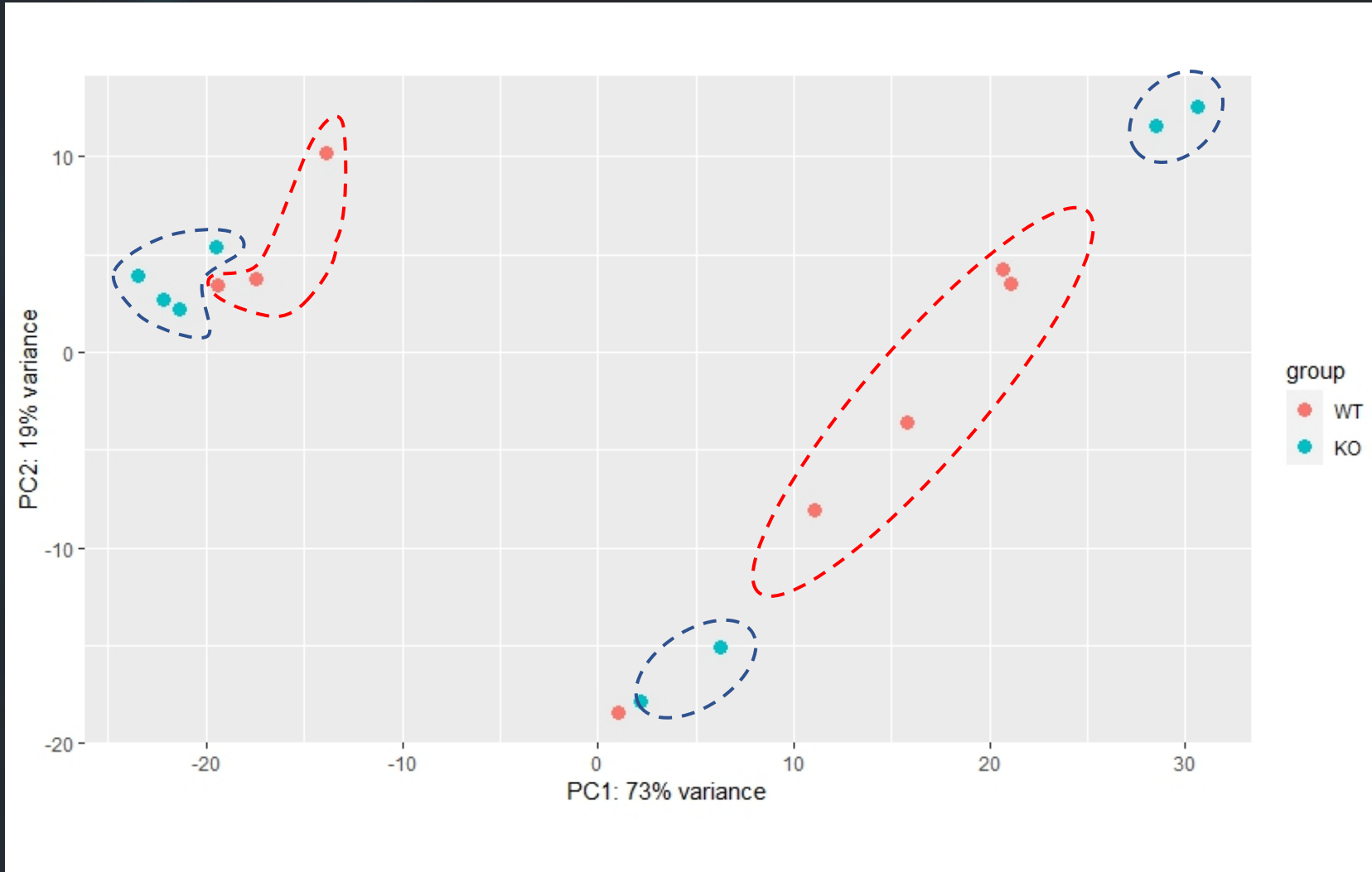
WHAT LINGO2 IS?

EXCEPT LINGO2 / UP DOWN TOP 10

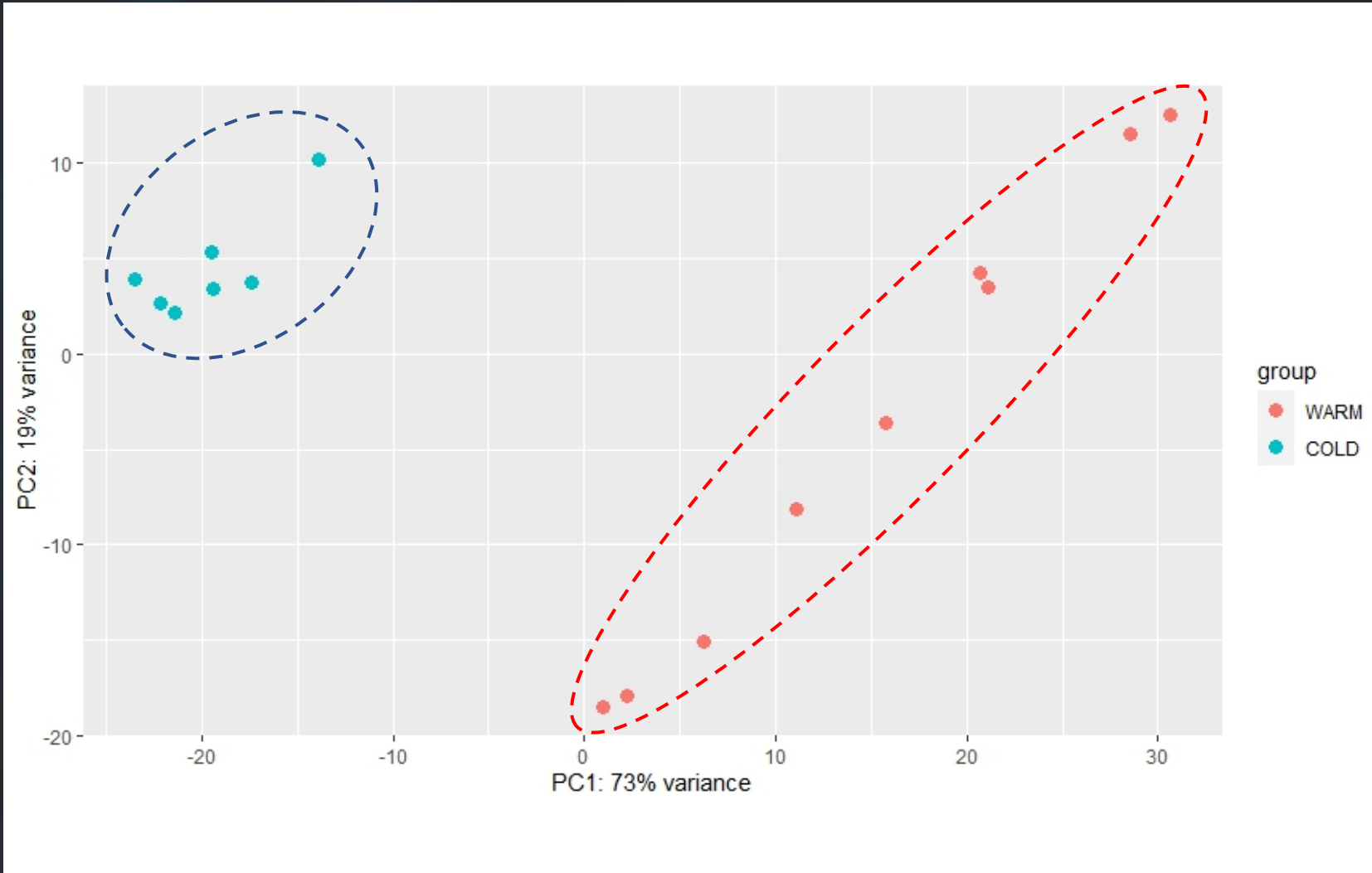
UP DOWN TOP 10 – EXPLANATION

CONCLUSION

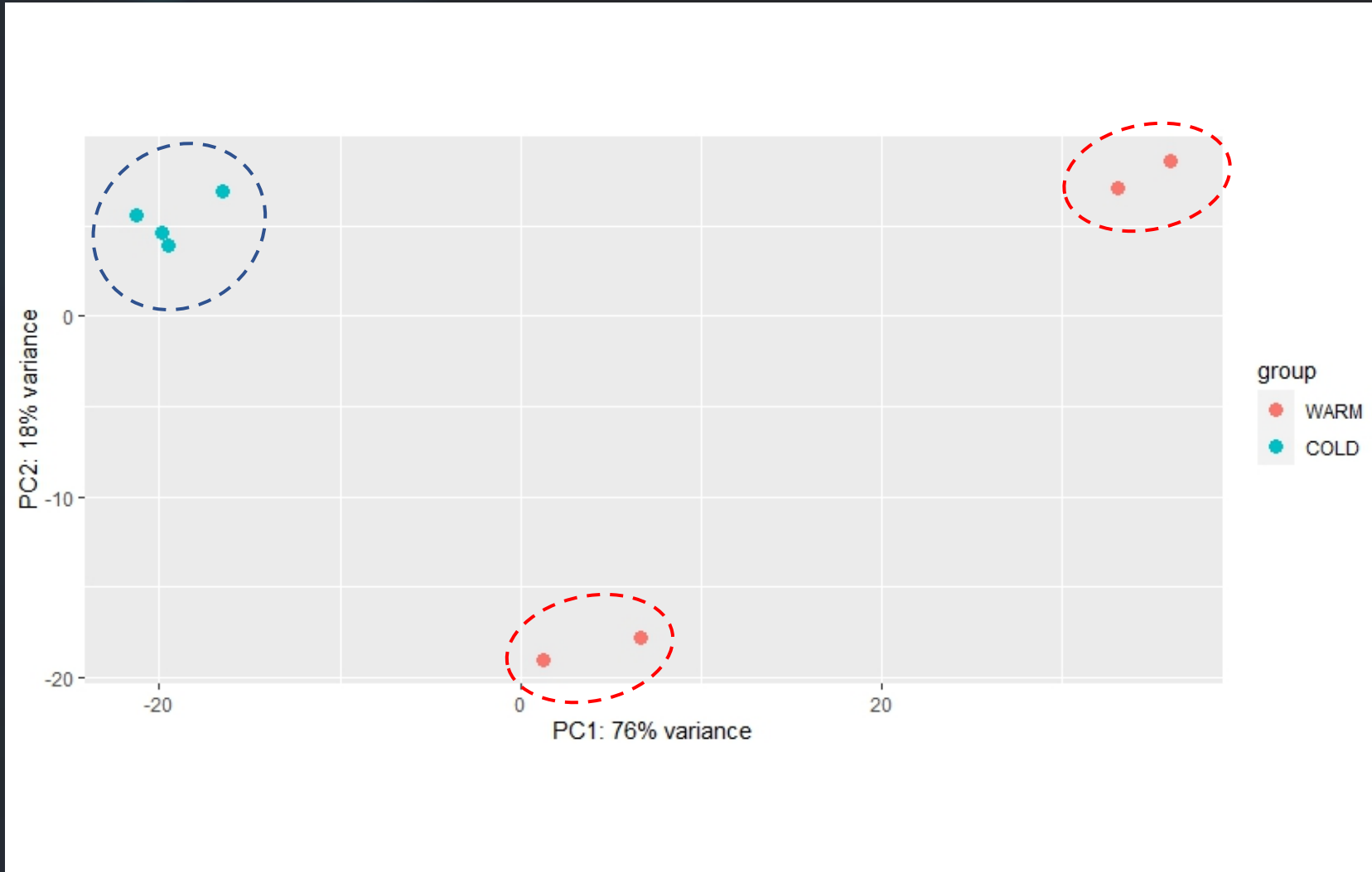
DATA QC



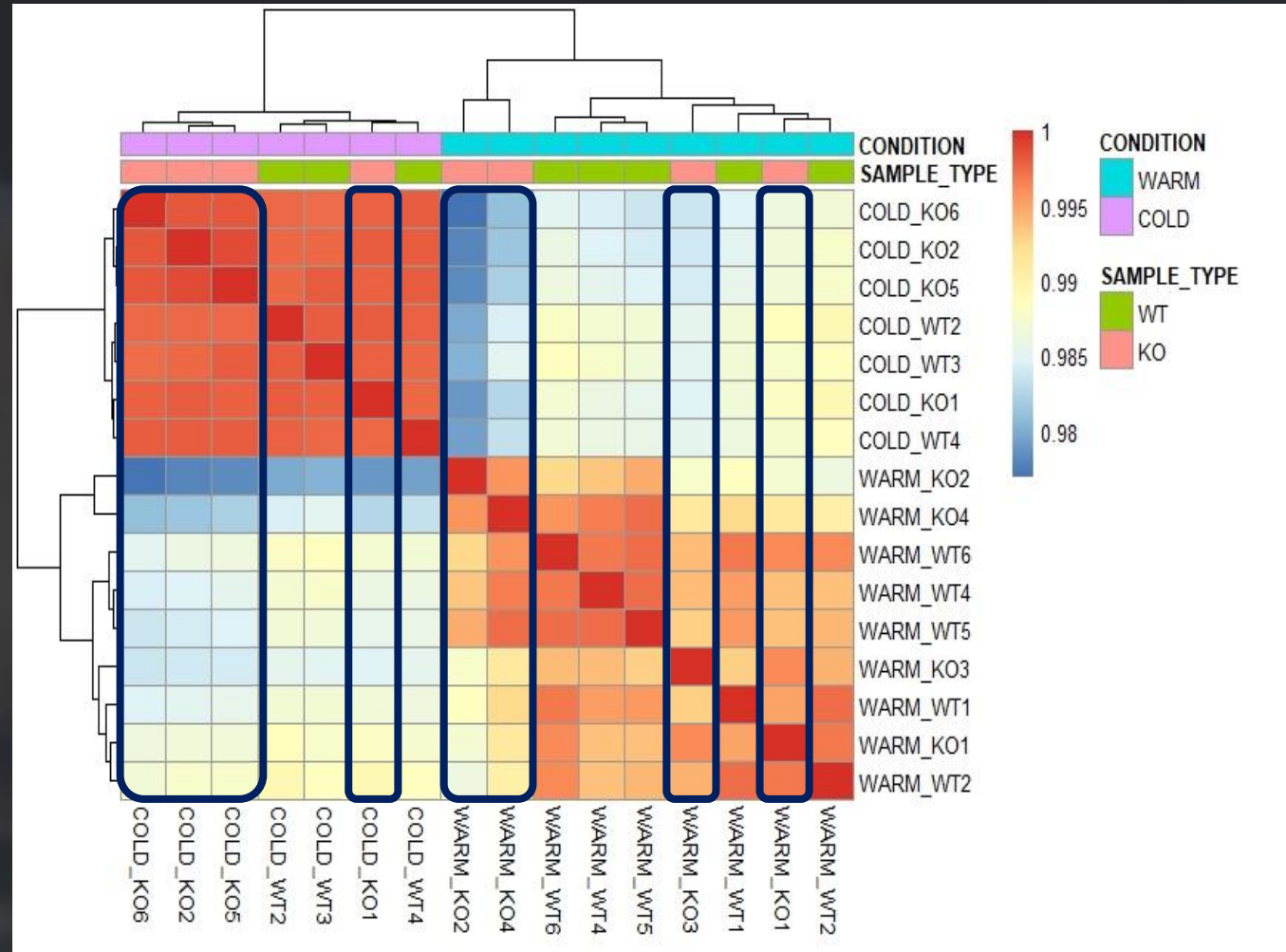
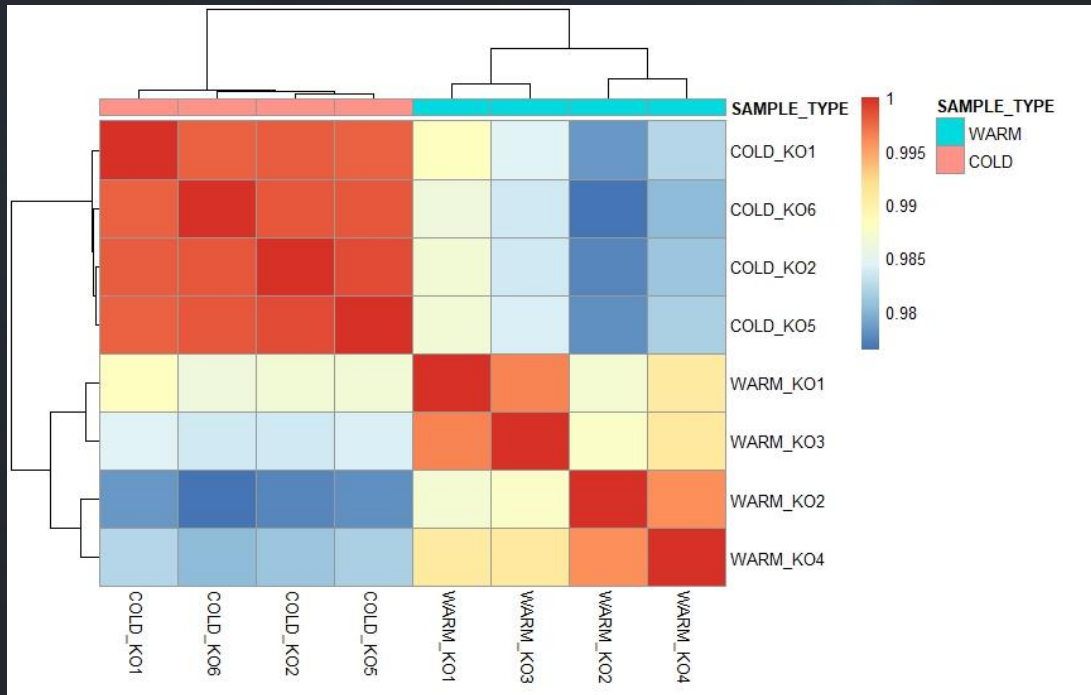
DATA QC

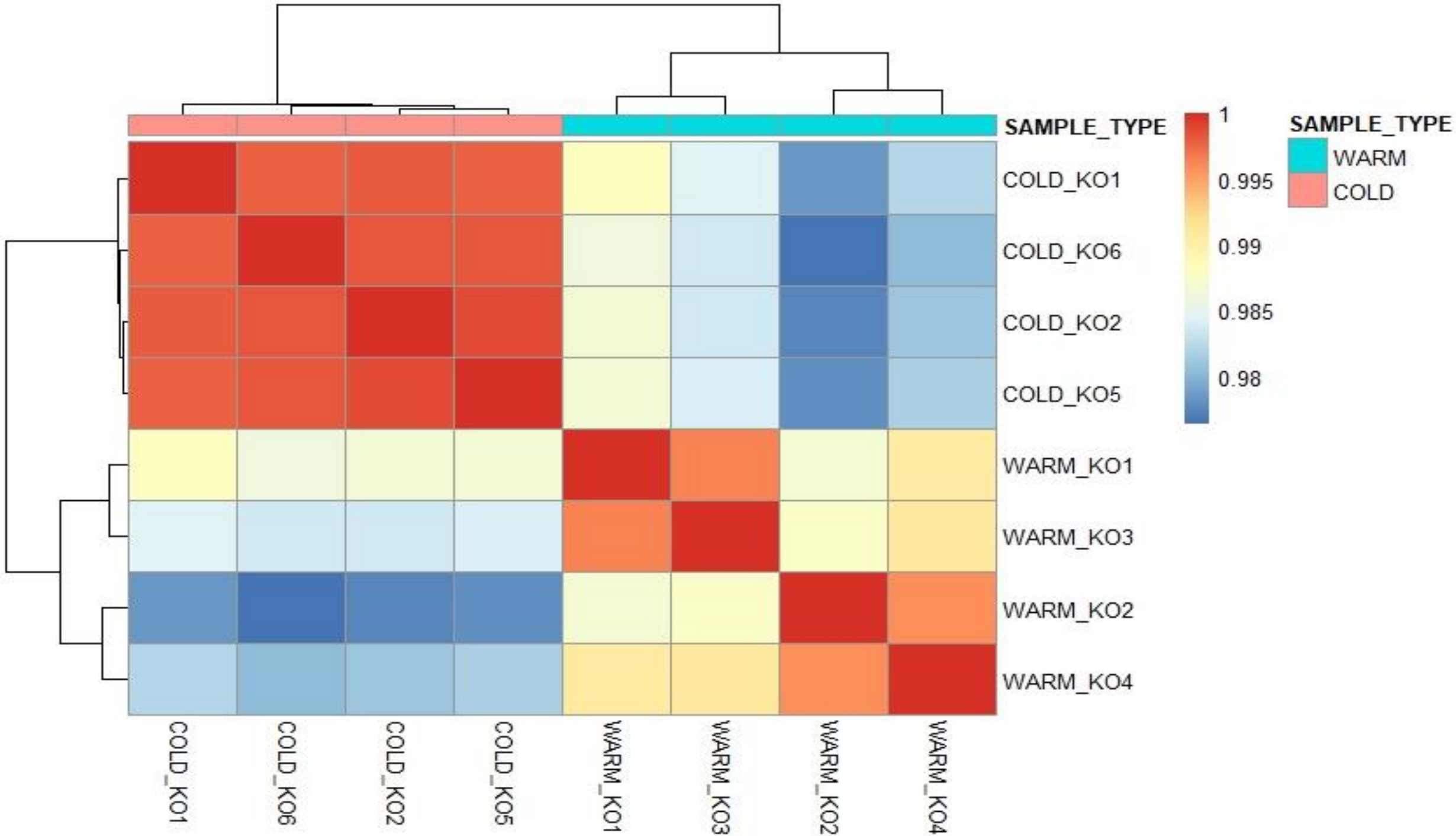


DATA QC / KO (WARM, COLD)

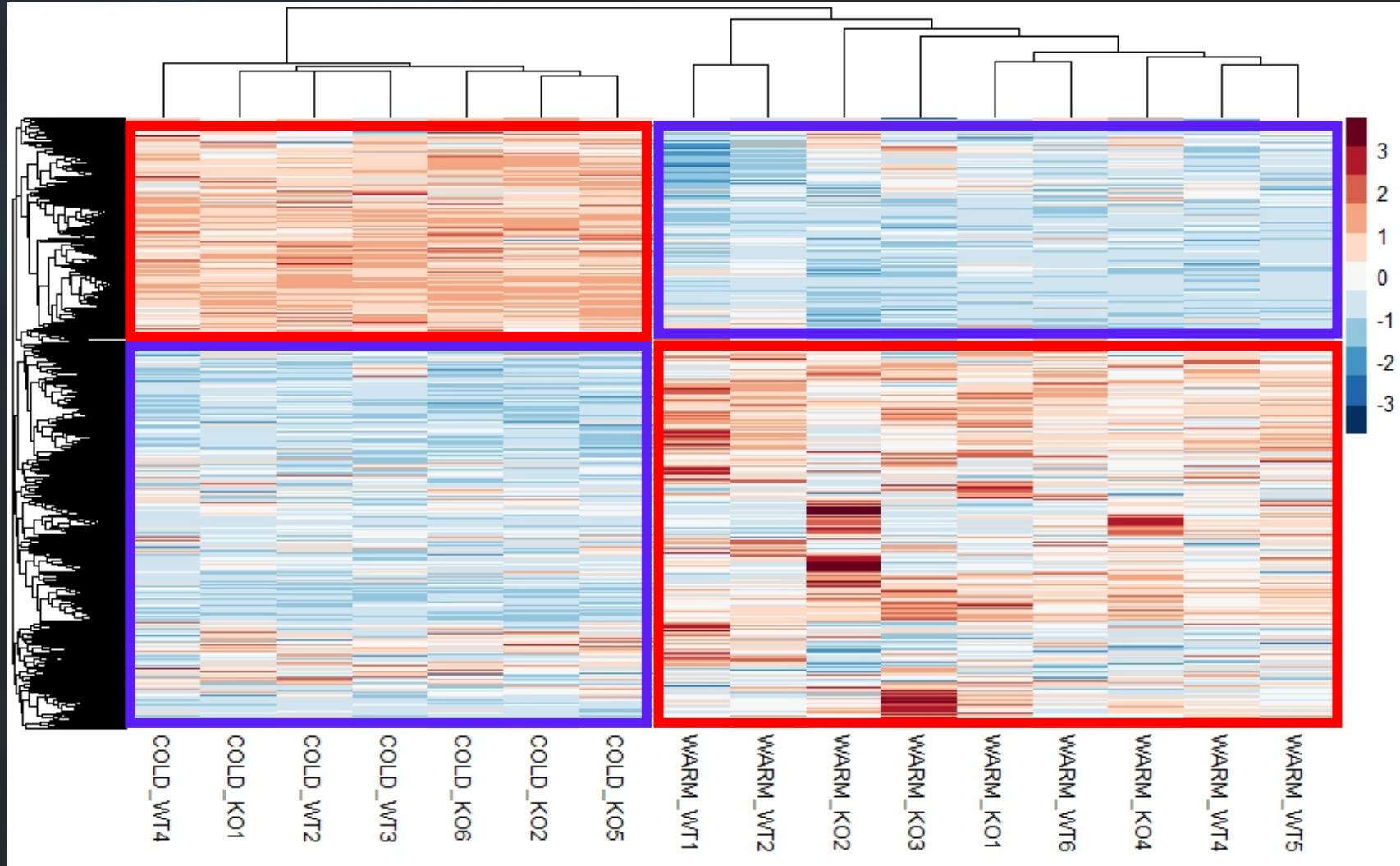


CORRELATION ANALYSIS

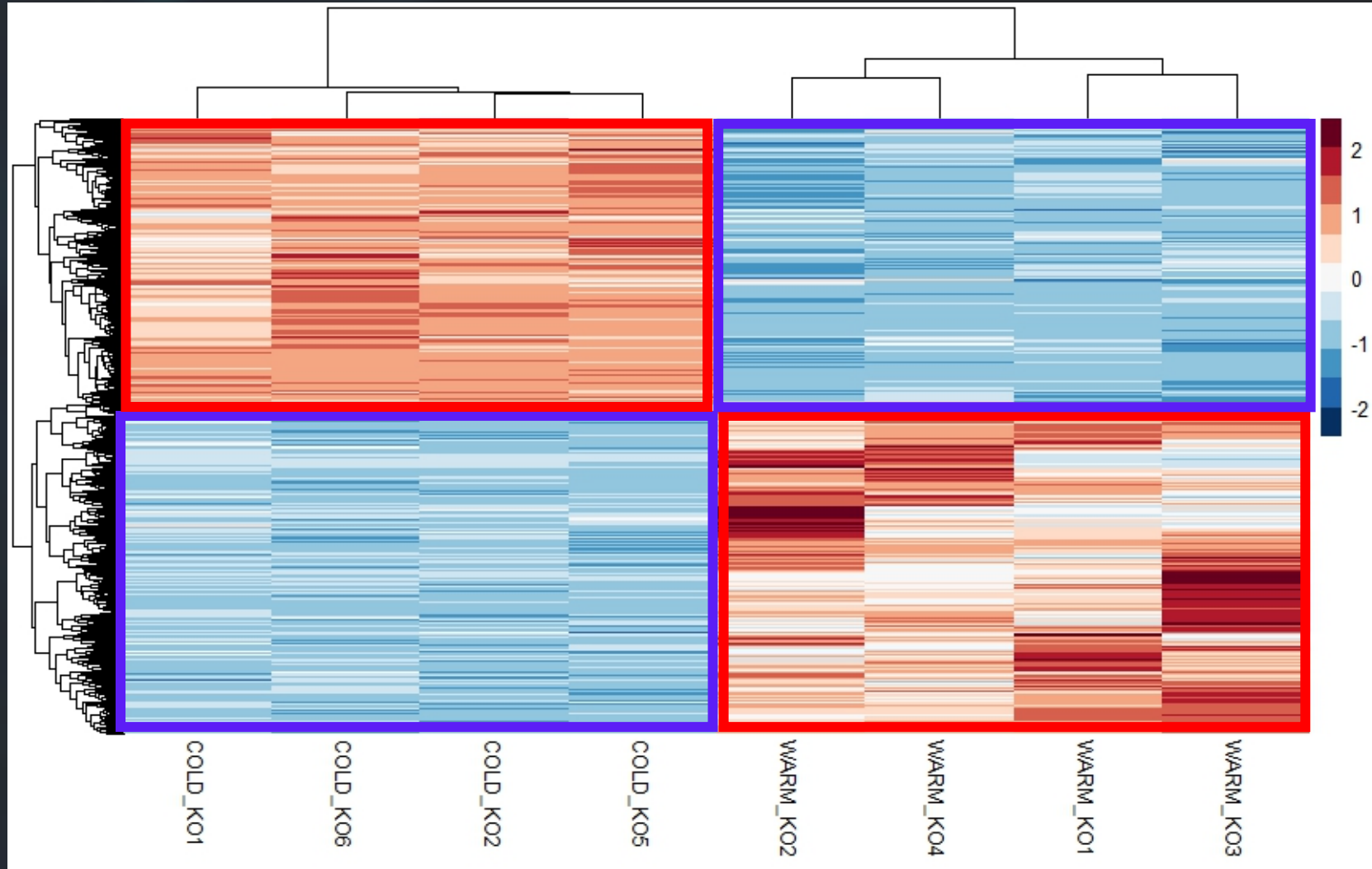




CORRELATION ANALYSIS



CORRELATION ANALYSIS

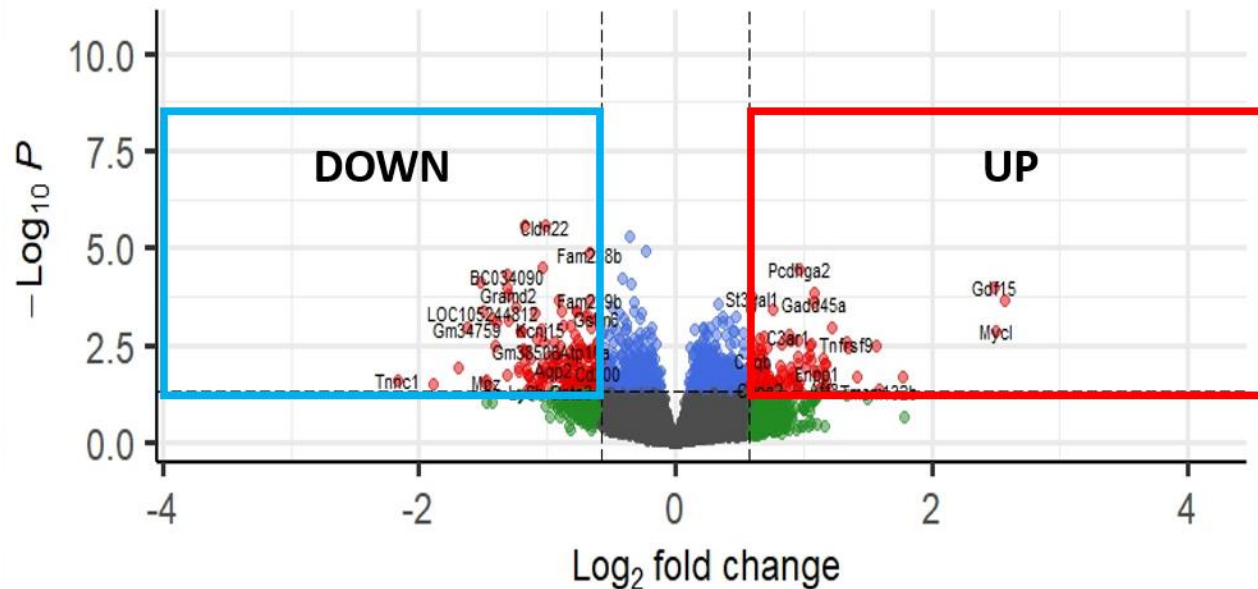


VOLCANO PLOT

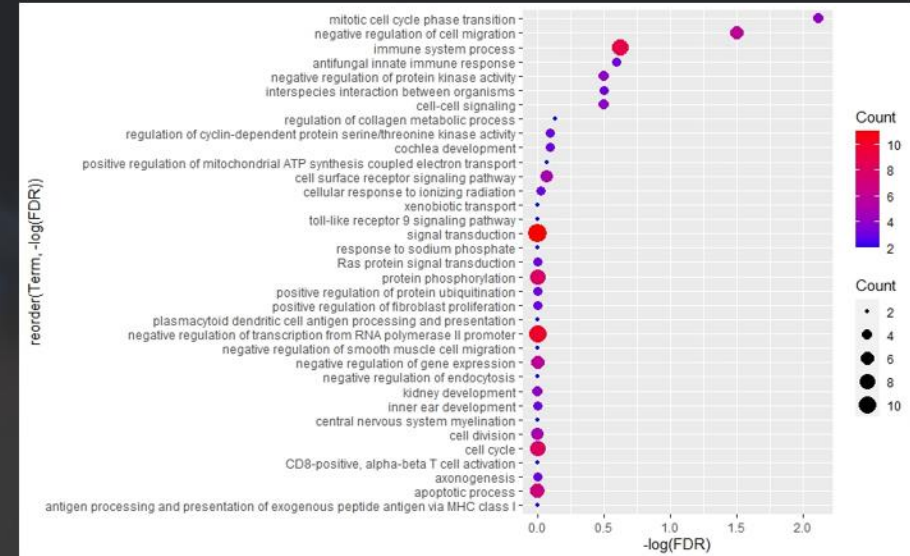
Volcano plot

EnhancedVolcano

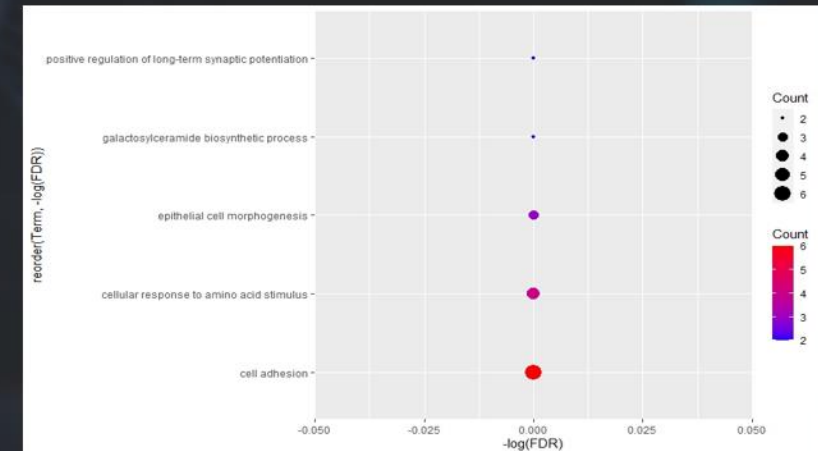
● NS ● Log_2 FC ● p-value ● p-value and Log_2 FC



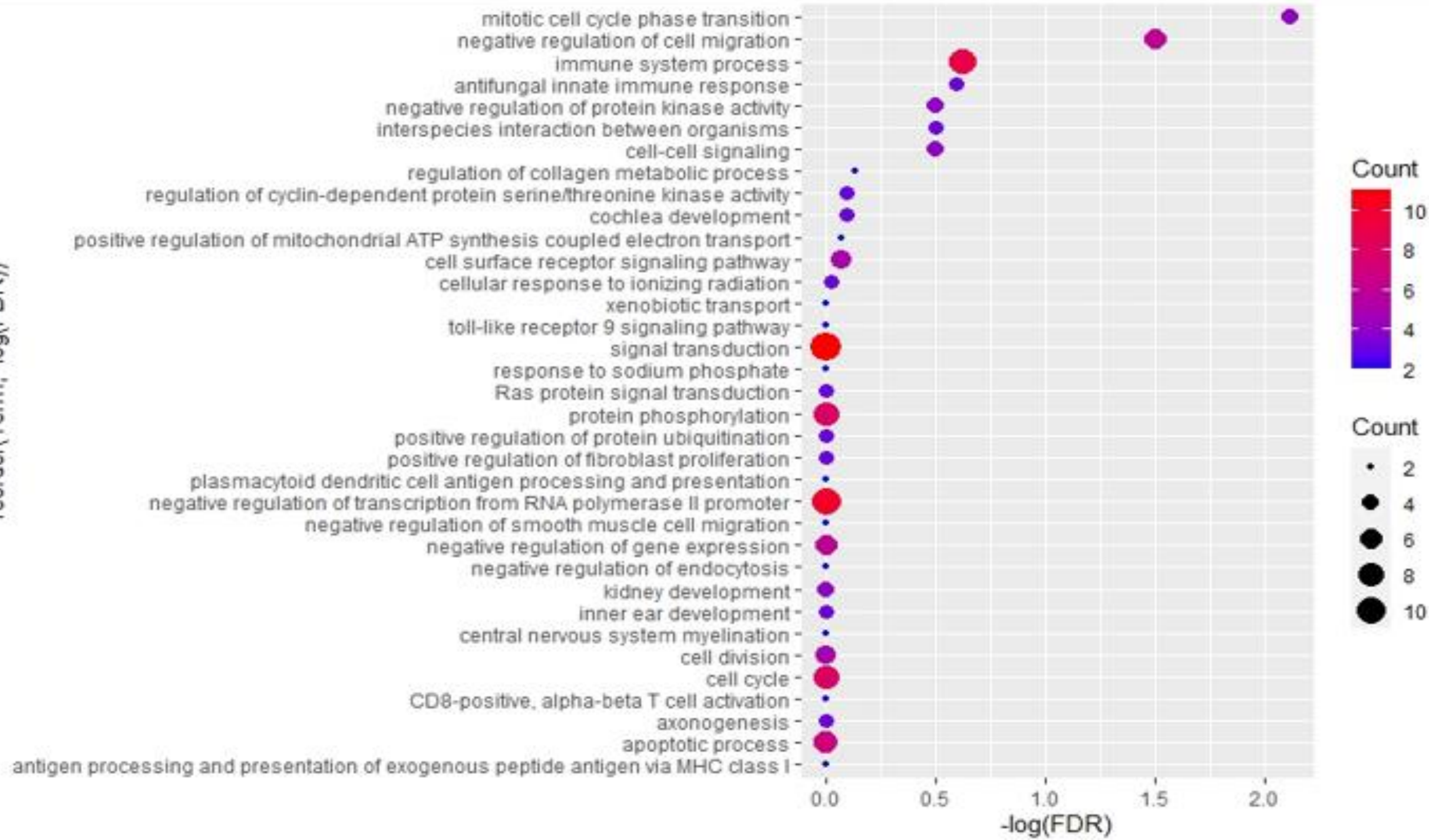
total = 16333 variables

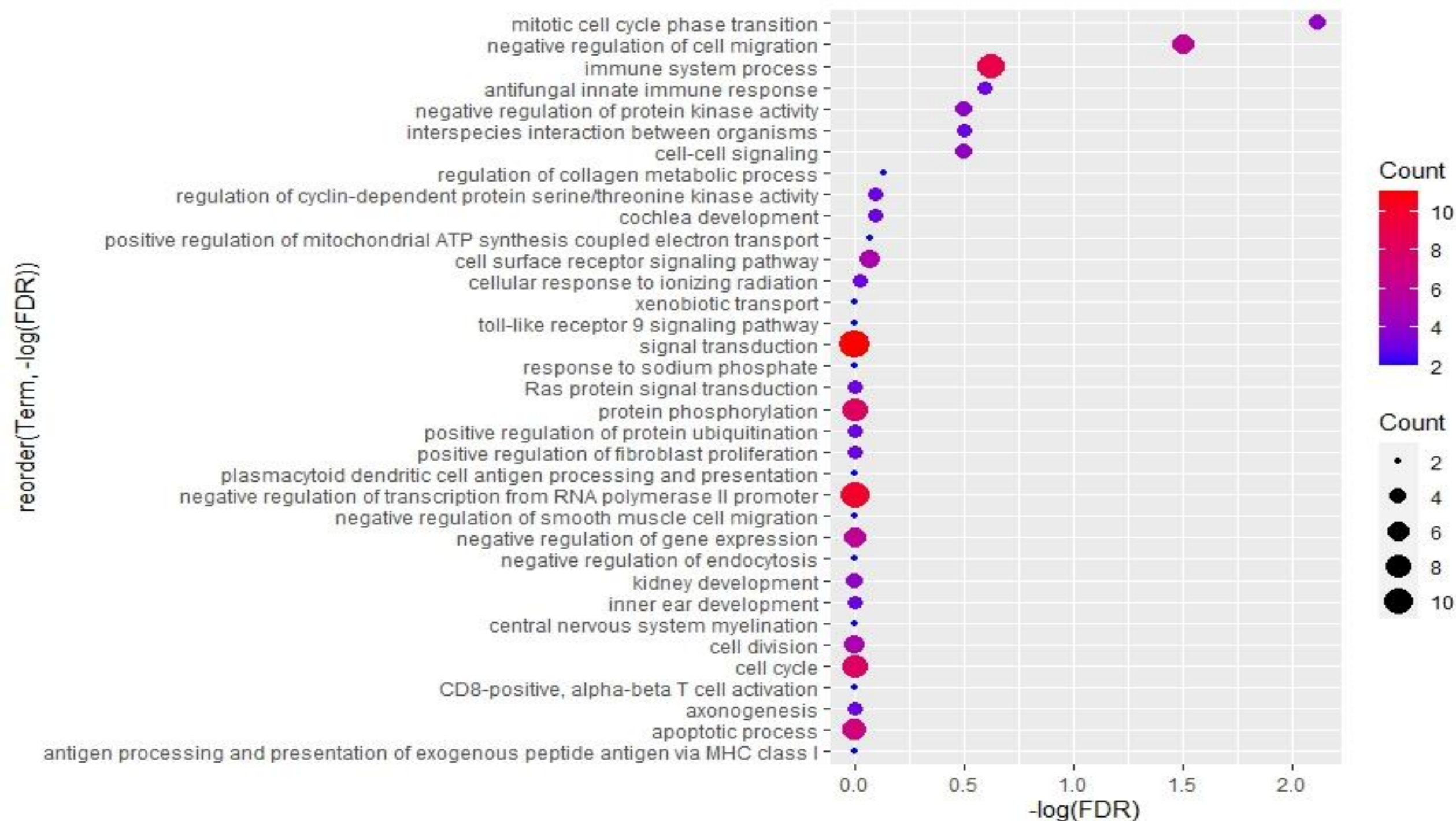


DOWN

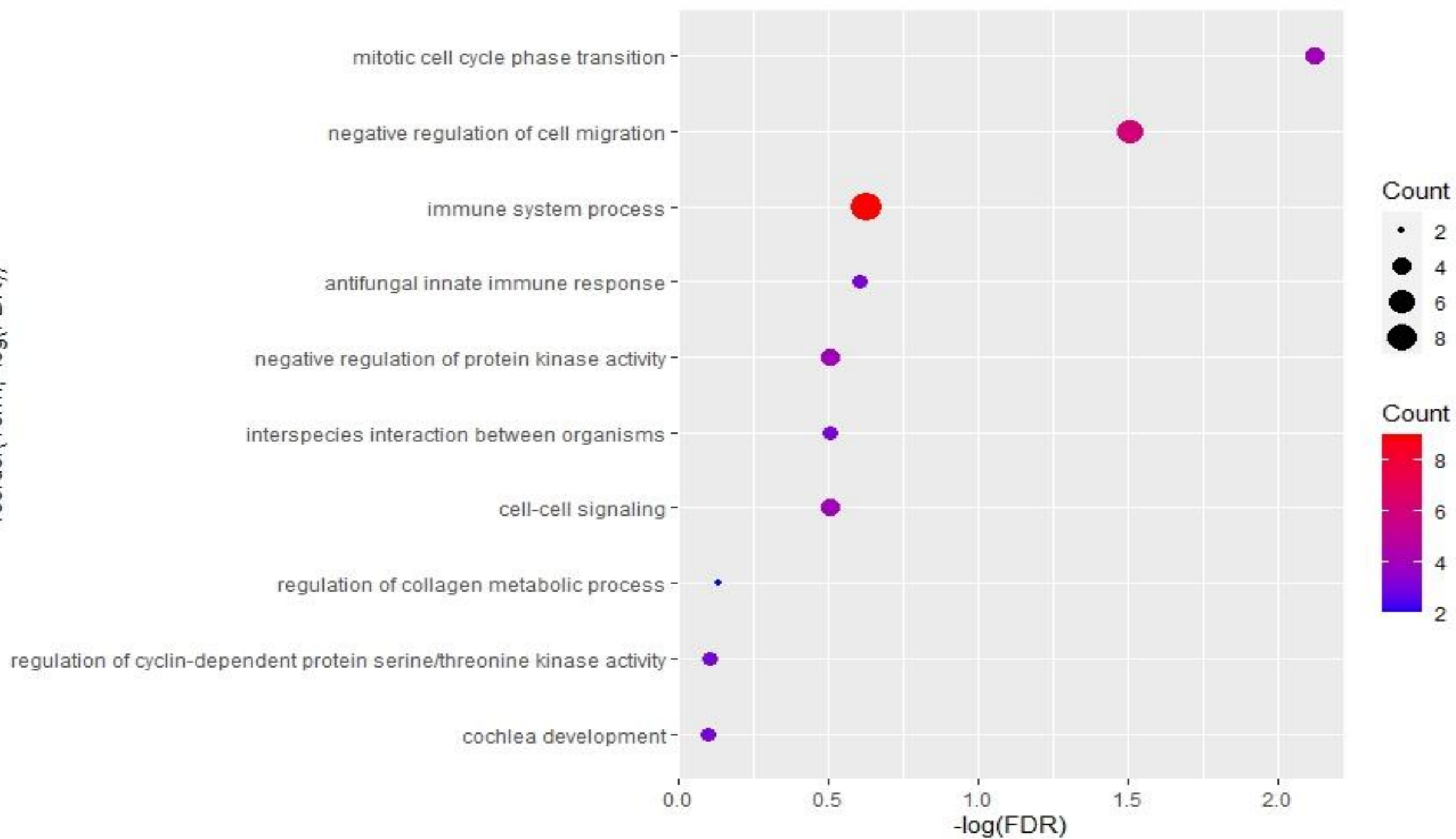


reorder(Term, -log(FDR))

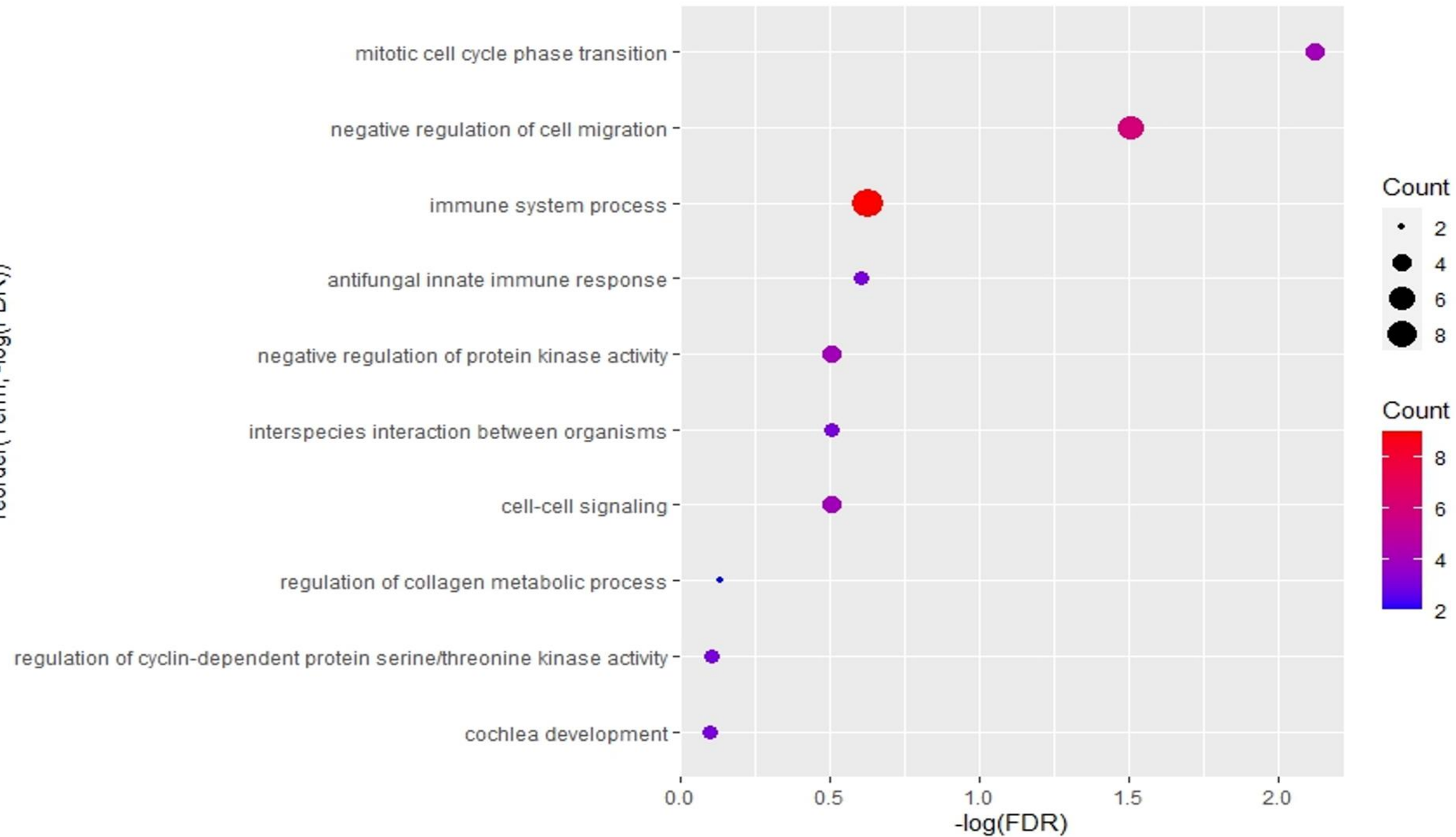




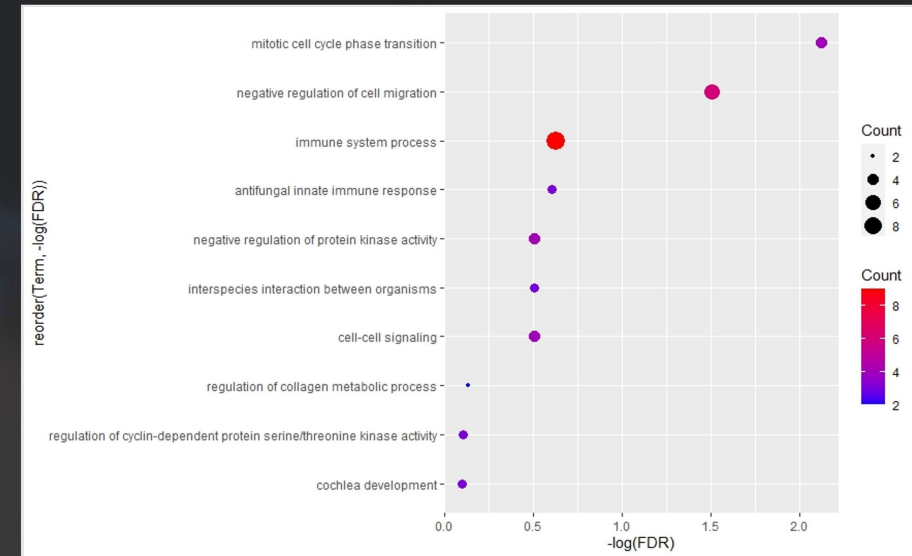
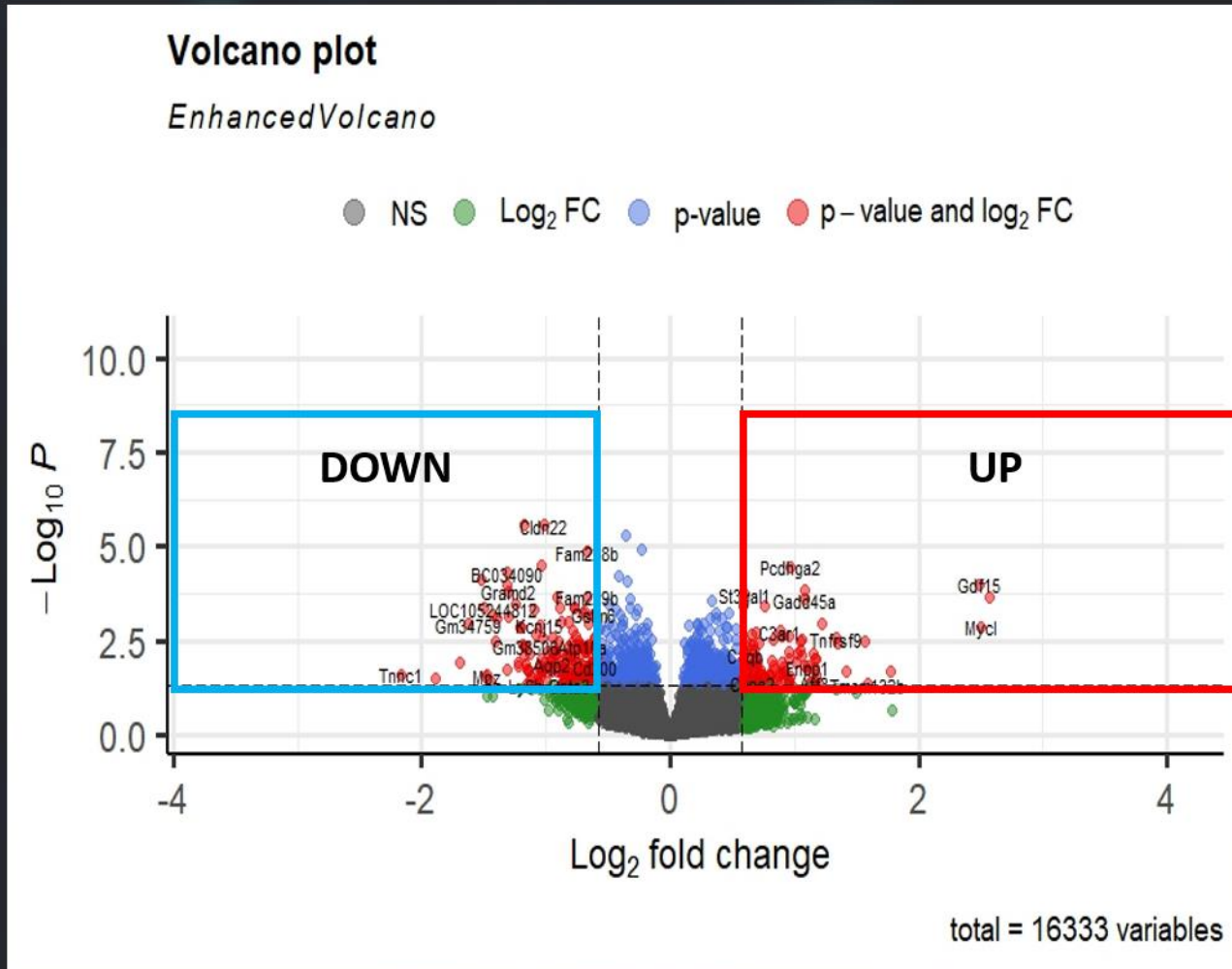
reorder(Term, -log(FDR))



reorder(Term, -log(FDR))

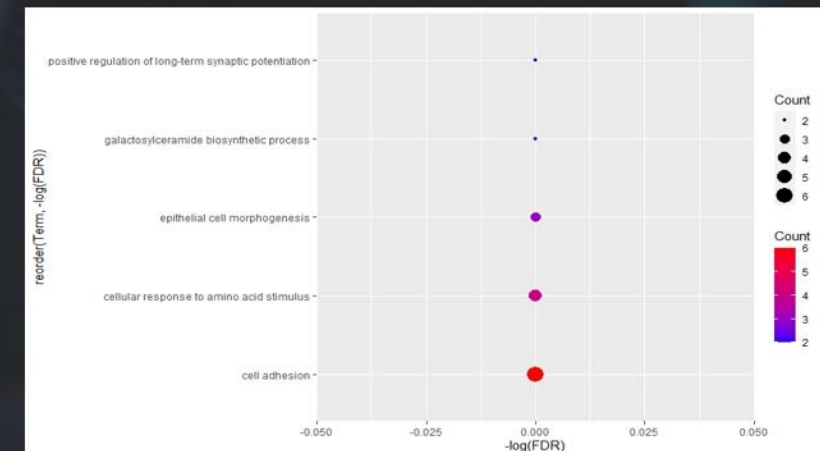


VOLCANO PLOT



←
UP

→
DOWN



reorder(Term, -log(FDR))

positive regulation of long-term synaptic potentiation

galactosylceramide biosynthetic process

epithelial cell morphogenesis

cellular response to amino acid stimulus

cell adhesion

-0.050

-0.025

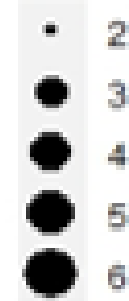
0.000

0.025

0.050

$-\log(\text{FDR})$

Count



Count



reorder(Term, -log(FDR))

positive regulation of long-term synaptic potentiation

galactosylceramide biosynthetic process

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-0.050

-0.025

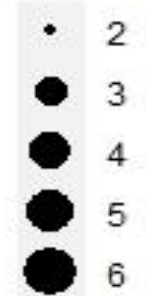
0.000

0.025

0.050

$-\log(\text{FDR})$

Count



Count

