**Color Key and Histogram**
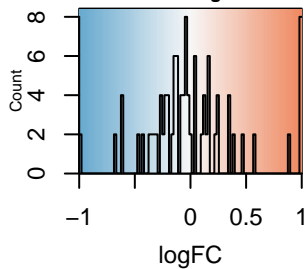
**Circadian entrainment(logFC)**

Significance of DE
FDR <= 0.05
FDR > 0.05

RASD1
FOS
GNAI1
ADCY5
PLCB4
CALM2
PRKACB
PER1
RYR1
GNB4
PER2
GRIN1
GRIN2D
GNB5
GNG2
GNB2
MAPK3
CALM1
GNAI3
NOS1AP
PRKG2
GNAQ
GNB1
GRIN2C
GNG12
PLCB2
CAMK2G
CAMK2D
GNAS
CALM3
RPS6KA5
GNG5
GNAI2
PLCB1
CACNA1G
PRKCA
ADCY3
CREB1
MAPK1
PER3
PRKACA
ADCY6
CACNA1D
RYR3
CALML4
ADCY10
GNGT1
ADCY1
GNB3
ITPR3
ADCY7
RYR2
GNAO1
PLCB3
ITPR1
GRIN2B
ADCY9
CACNA1H