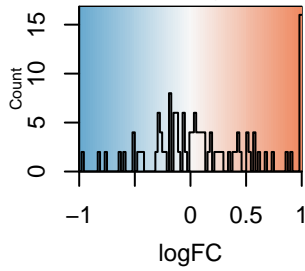


Color Key  
and Histogram



## Glucagon signaling pathway(logFC)

Significance of DE

FDR ≤ 0.05

FDR > 0.05

PCK1  
CREB3  
PHKG1  
SIR1  
SIR1B  
PKM  
LDHA  
CREB3  
PRKAA2  
PRKACB  
GNAO1  
GPRC1  
PGAM1  
CRTC2  
ATF4  
PRKAB2  
PHKA1  
CREB3L2  
ATF2  
PRKAG2  
PPP3CC  
ITPK1  
SLC2A1  
FDR1  
PPP4R1  
PFKL  
CREB3L3  
PLCB3  
PPP3CA  
SIRT1  
PRKFB1  
SLC2A2  
ITPK2  
PRMT1  
PDHB  
PYGB  
PRKAA1  
CREB1  
PYGL  
PPP4C  
CAMK2D  
RLCB1  
SIR2  
GYS1  
FBP1  
PHKG2  
PDHA1  
PPP3CB  
PPP4R3A  
PLCB4  
CALM3  
PRKAB1  
GPRC3  
GNA3  
PRKAG1  
EP300  
PPP4R3B  
PHKB  
CPT1A  
PRKACA  
AKT2  
PHK2  
CALM2  
PKM2  
CREBBP  
PGAM2  
CALM1  
AKT1  
CREB3L4  
ACAC3  
PYGM  
CALML2  
CALML3  
LDHB  
ACACA  
PDE3B  
ITPK3  
PCK2  
CREB3L1