Gene Set 1924: NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class CELF3 FDPS Gene Set Null Density CLK2 MRPL9 PKLR SCAMP3 LINGO4 EFNA3 HCN3 RUSC1 ADAM15 FAM189B LENEP GBA DCST1 MTX1 PBXIP1 TRIM46 Observed Gene Set ES value 2.5 0.0 Running Enrichment Score (RES) 2.0 -0.5 P(ES) Zero crossing at 9339 THBS3 ZBTB7B ZBTB7B
FLAD1
KRTCAP2
RORC
OAZ3
THEM4
THEM5
PMVK
TDRKH
EFNA4
SHC1
DCST2
EFNA1
SLC50A1
DPM3
CKS1B
PYGO2
MUC1
RUSC1-AS1 Peak at 17486 1.0 0.5 0.0 Neg. ES "1" Pos. ES: "0" 20000 5000 10000 15000 25000 0.0 0.4 0.6 Gene List Index ES = -0.555 NES = -1.82 Nom. p-val= 0.00439 FWER= 0.627 FDR= 0.269

Number of genes: 25691 (in list), 38 (in gene set)