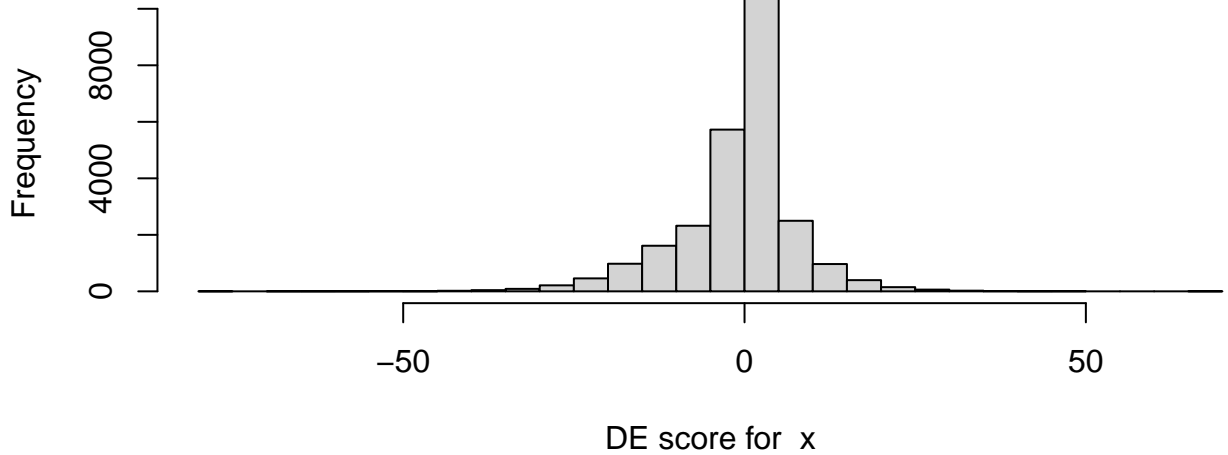
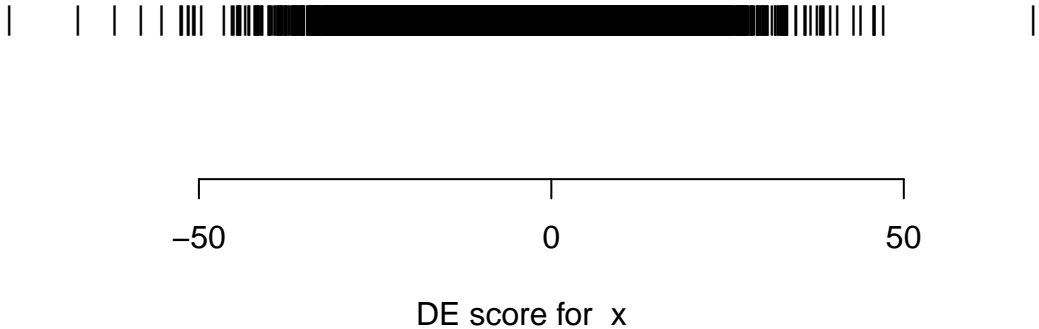


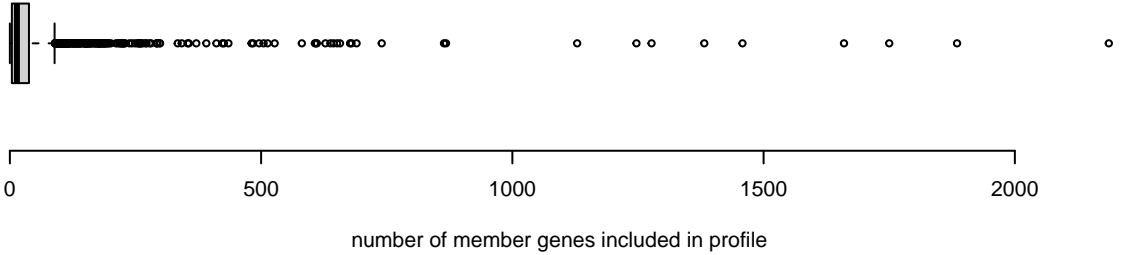
# Distribution of DE scores



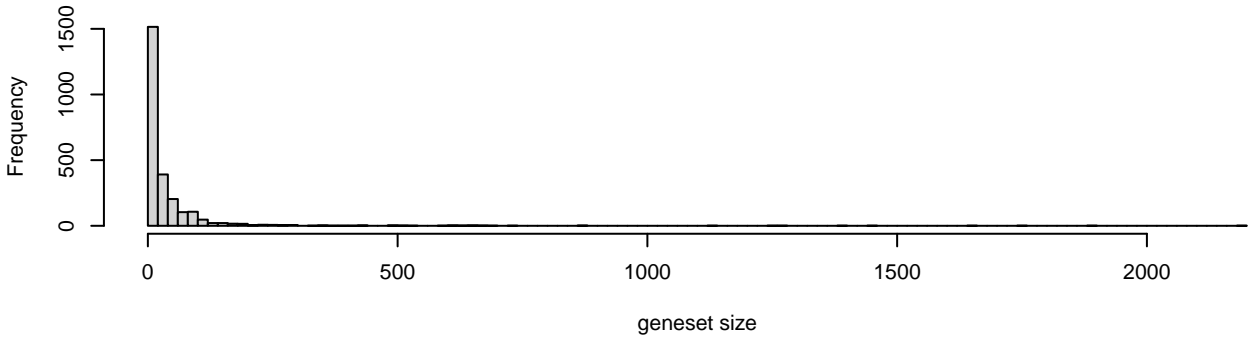
26025 genes in total, 14552 trending up-regulated, 11473 trending down-regulated



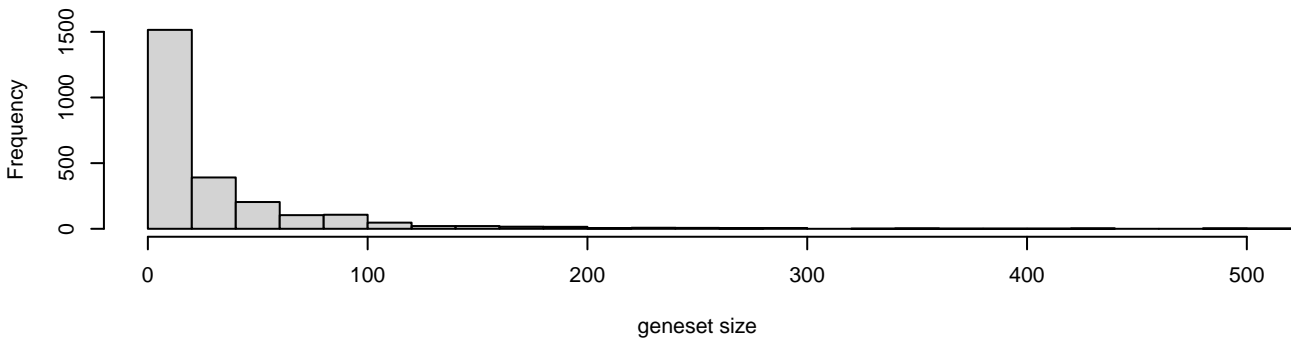
### Gene set size



### Histogram of geneset size

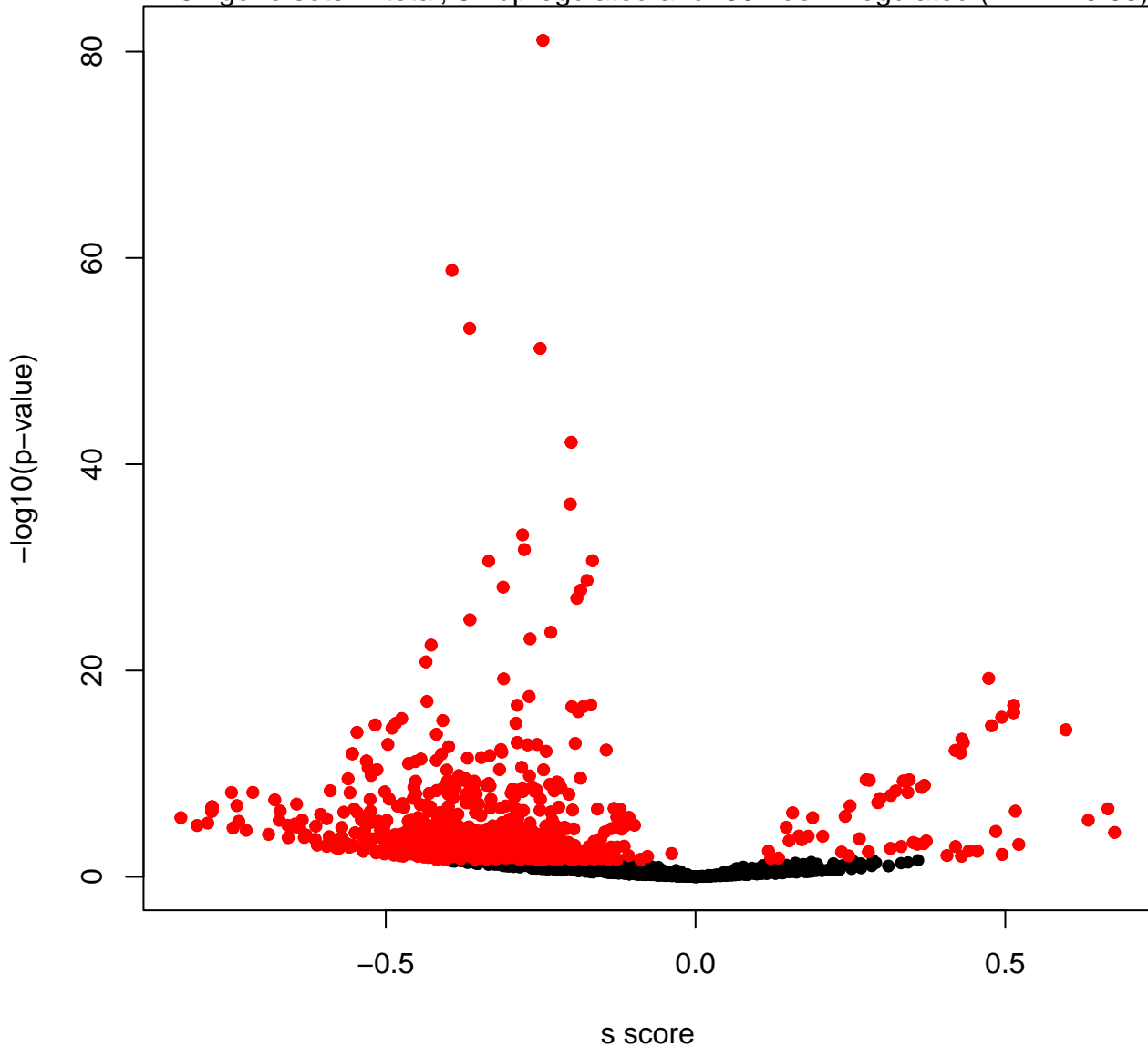


### Trimmed histogram of geneset size



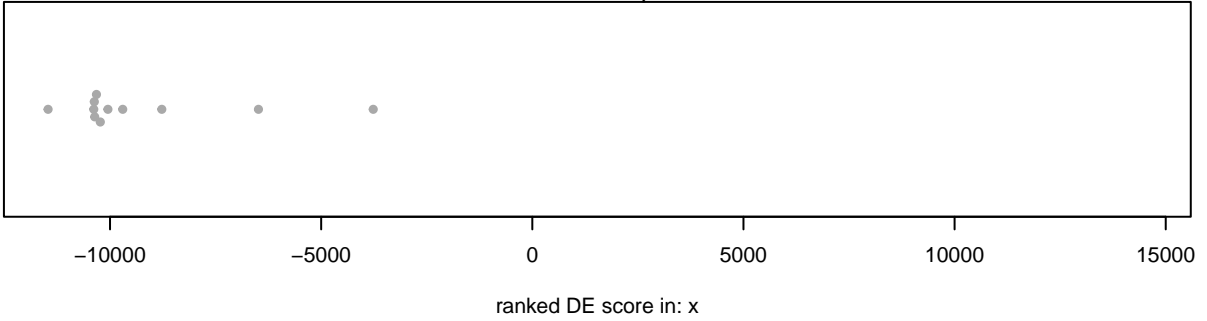
# volcano plot of gene set enrichments

1481 gene sets in total, 61 upregulated and 607 downregulated (FDR $\leq$ 0.05)

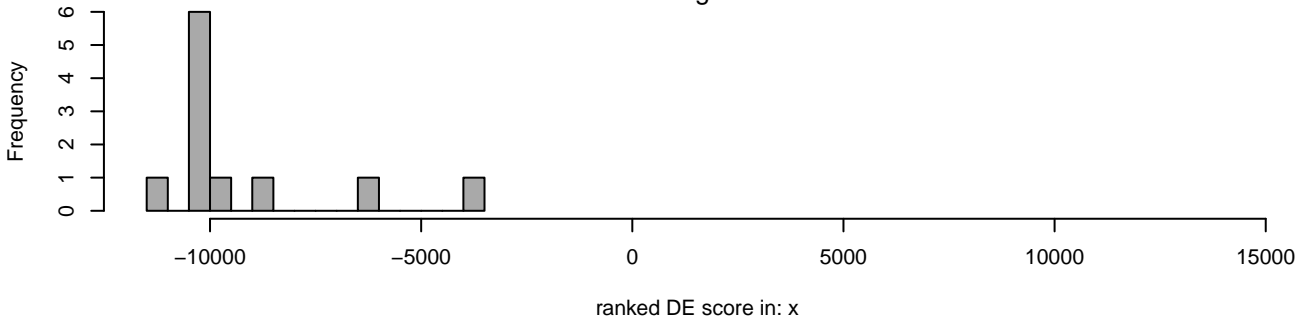


# CLEC7A (Dectin-1) induces NFAT activation

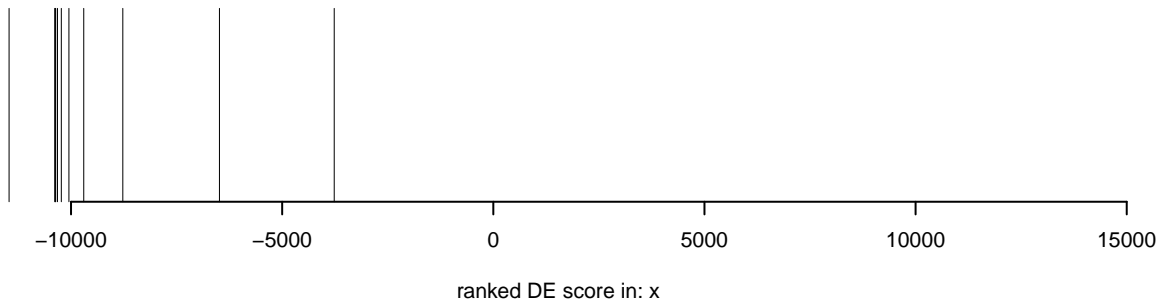
beeswarm plot



histogram

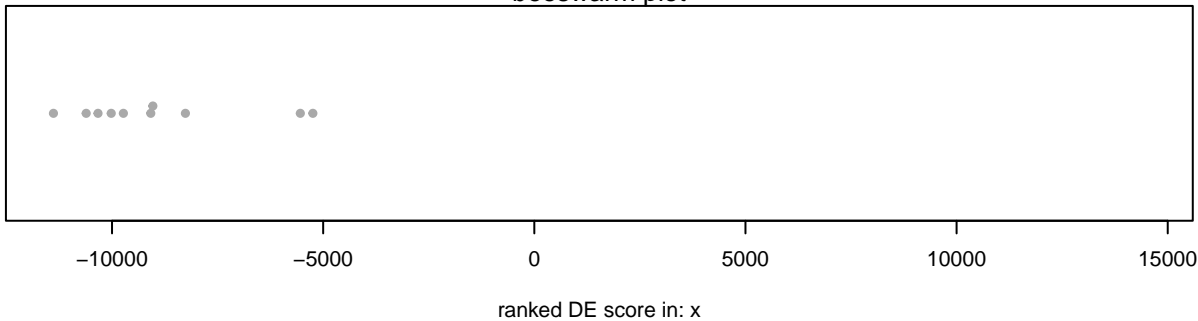


rugplot

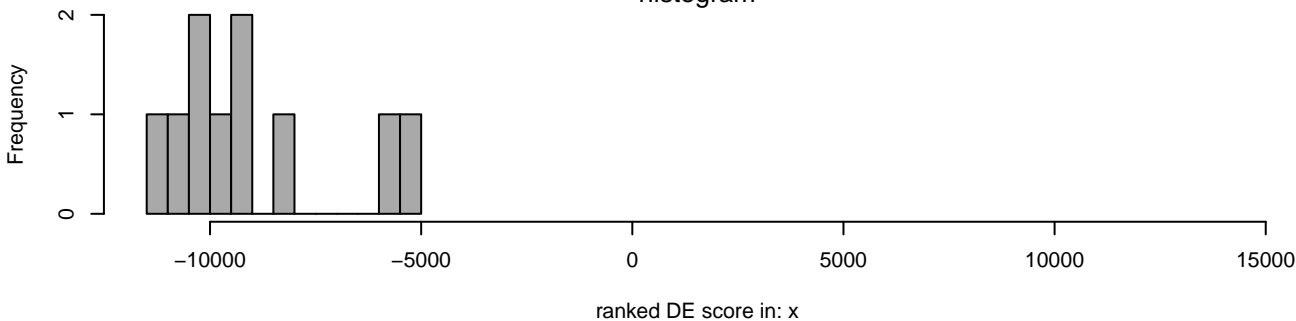


# Cohesin Loading onto Chromatin

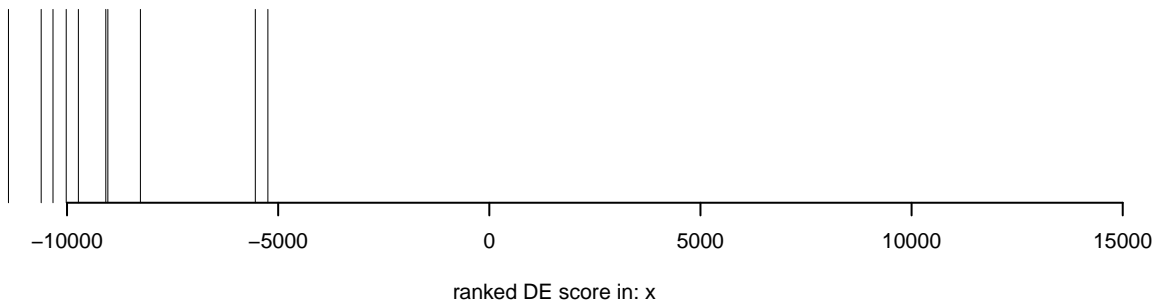
beeswarm plot



histogram

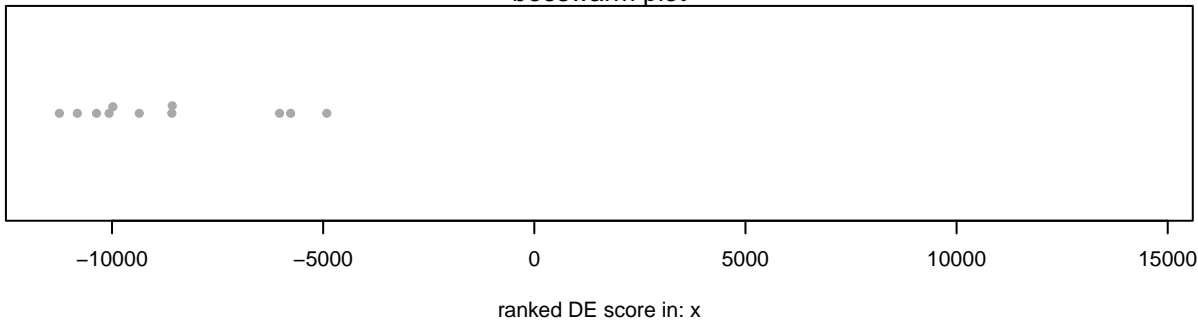


rugplot

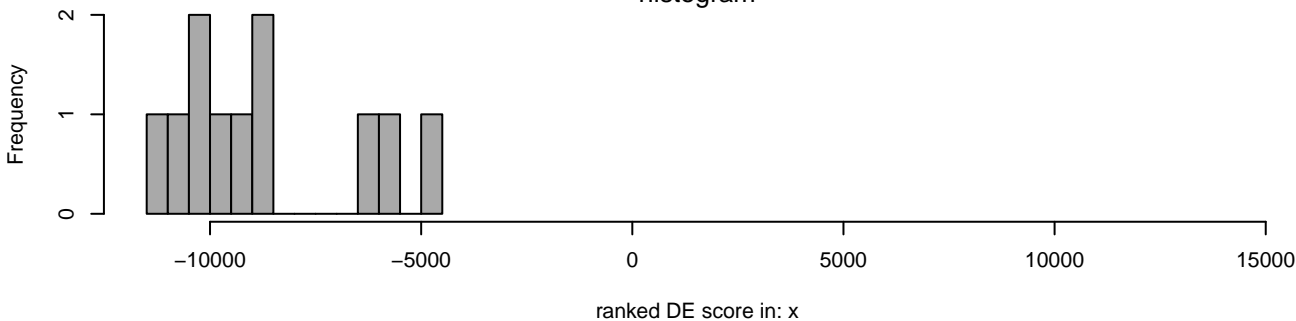


# MET activates RAP1 and RAC1

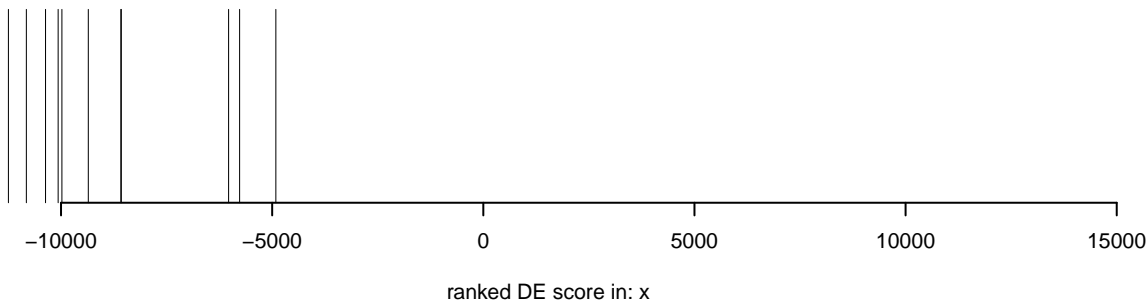
beeswarm plot



histogram

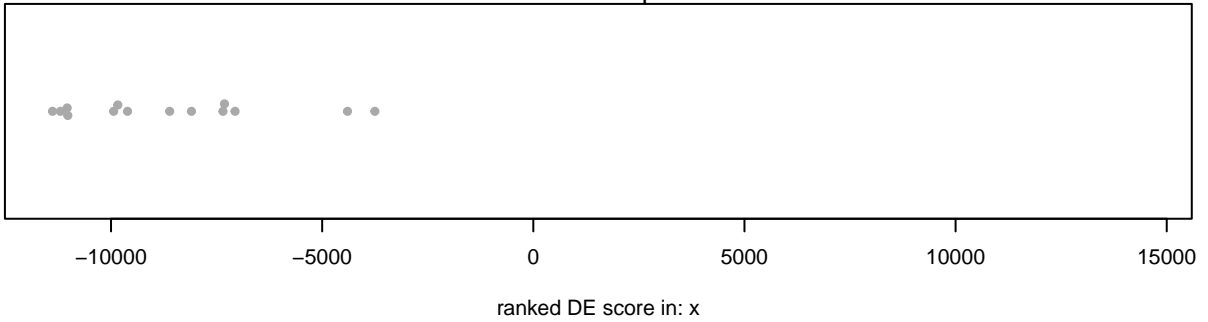


rugplot

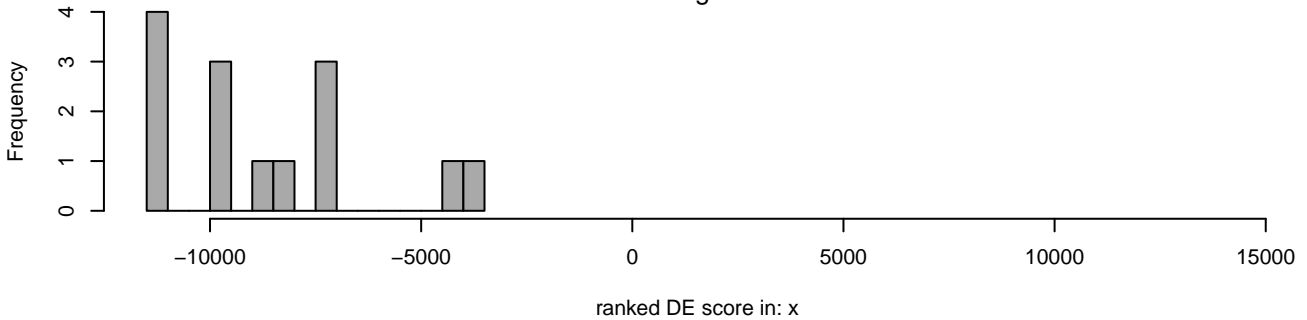


# APC truncation mutants have impaired AXIN binding

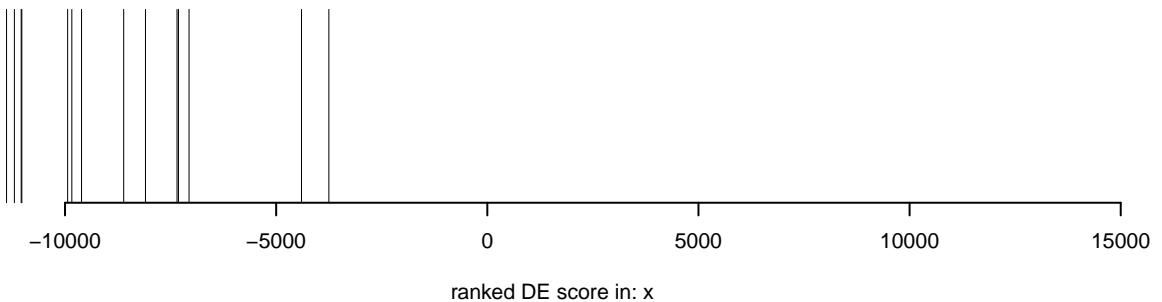
beeswarm plot



histogram

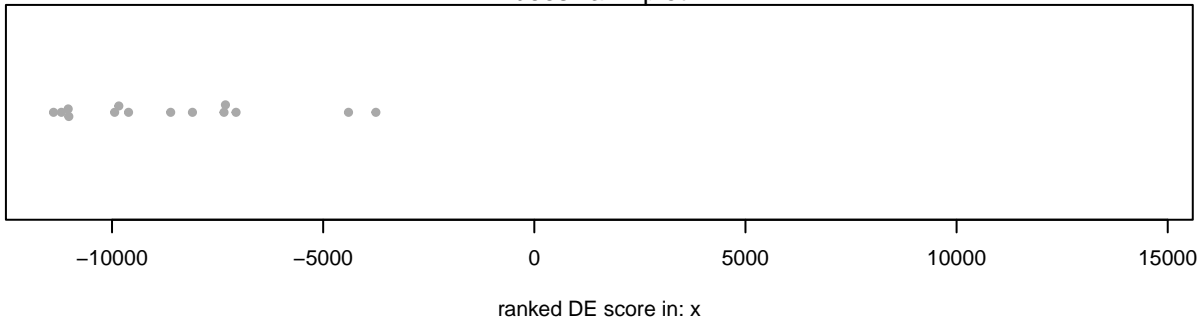


rugplot

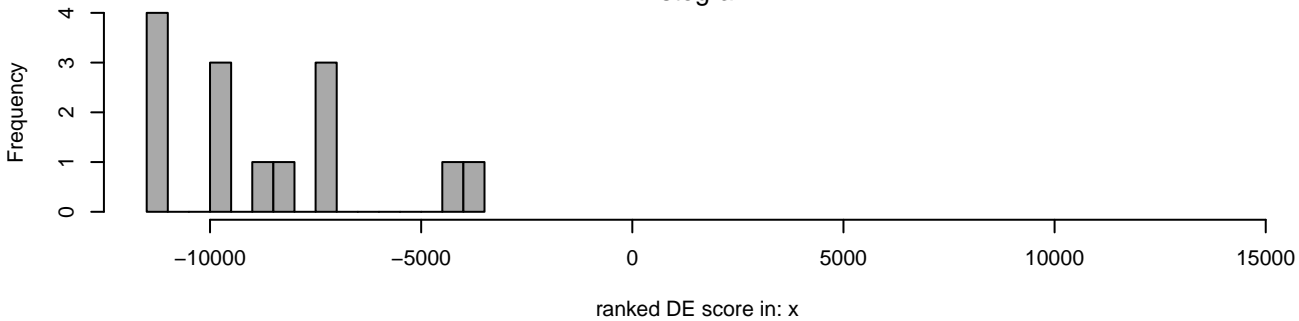


# AXIN missense mutants destabilize the destruction complex

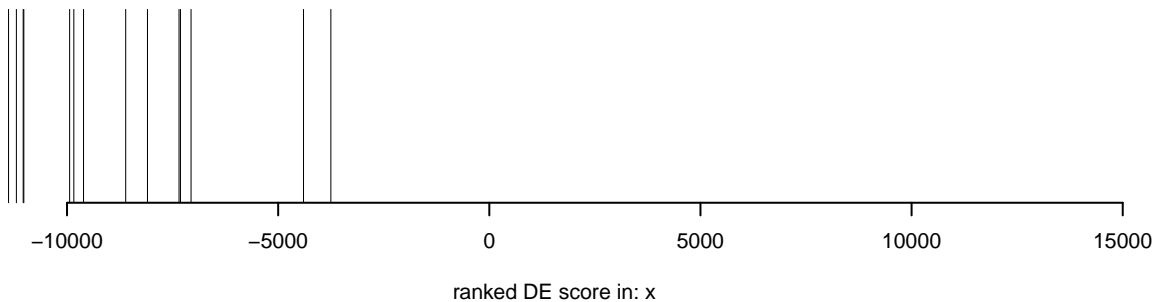
beeswarm plot



histogram



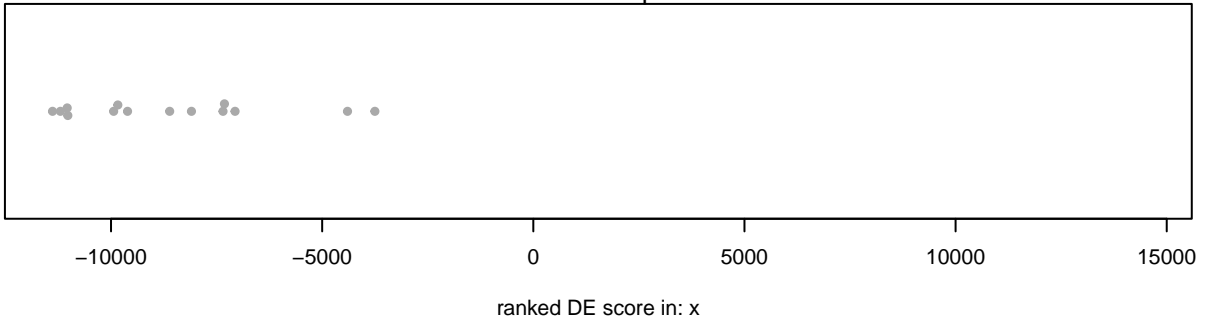
rugplot



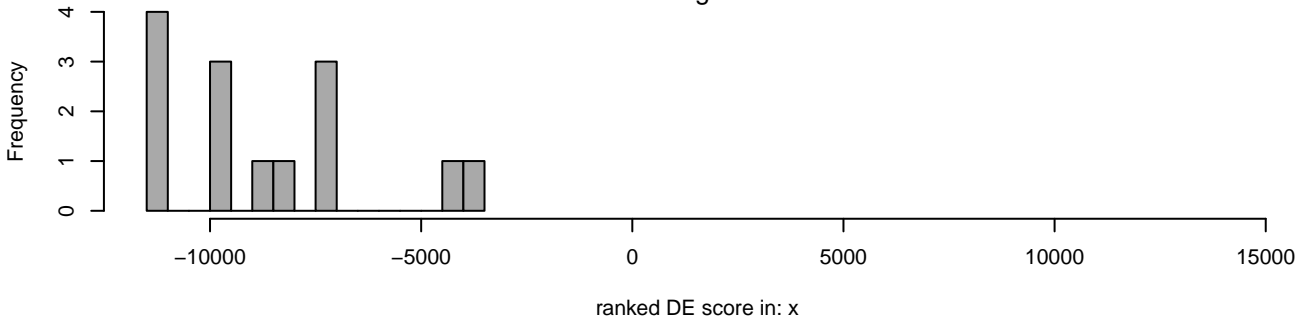


# Signaling by AMER1 mutants

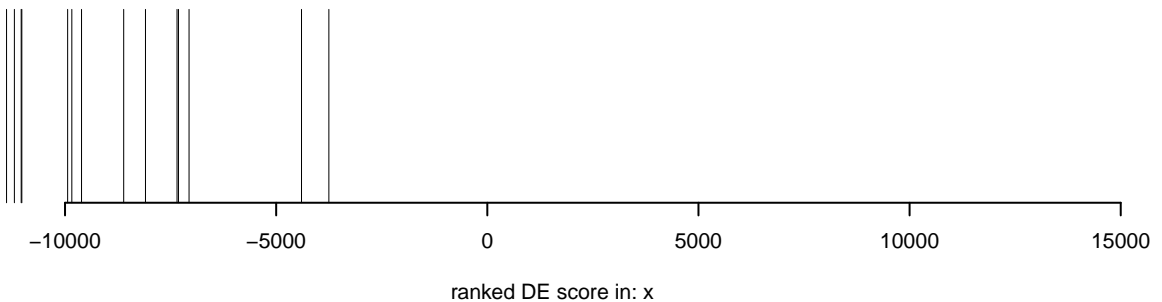
beeswarm plot



histogram

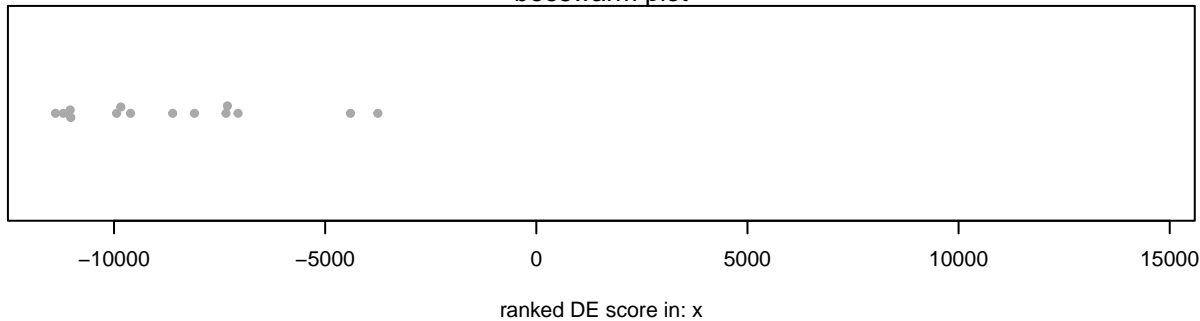


rugplot

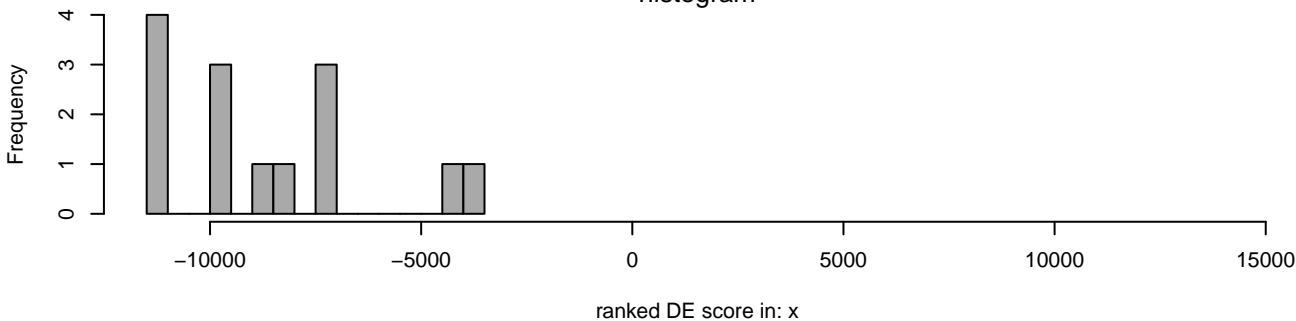


# Signaling by APC mutants

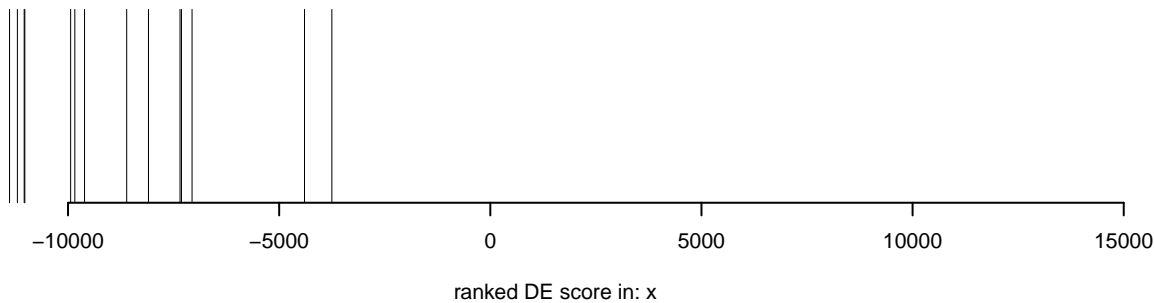
beeswarm plot



histogram

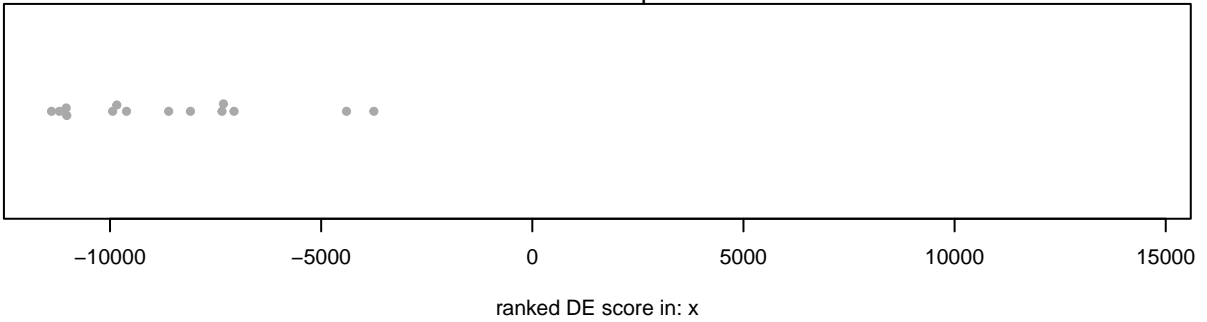


rugplot

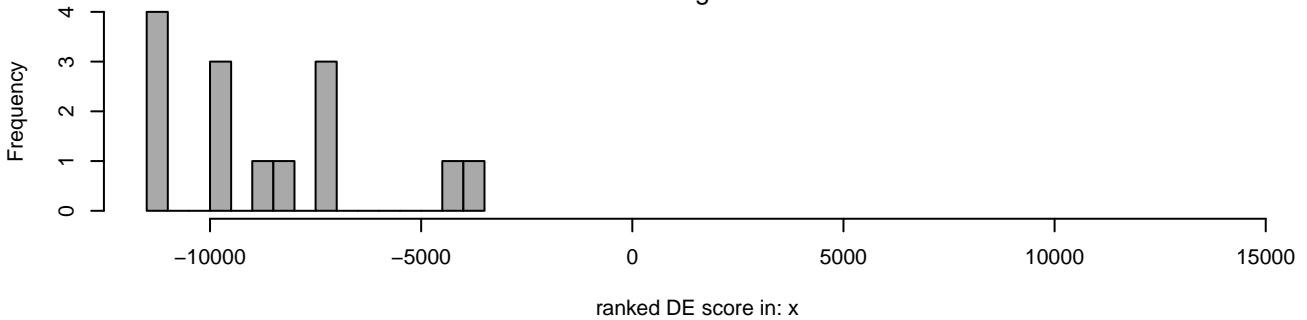


# Signaling by AXIN mutants

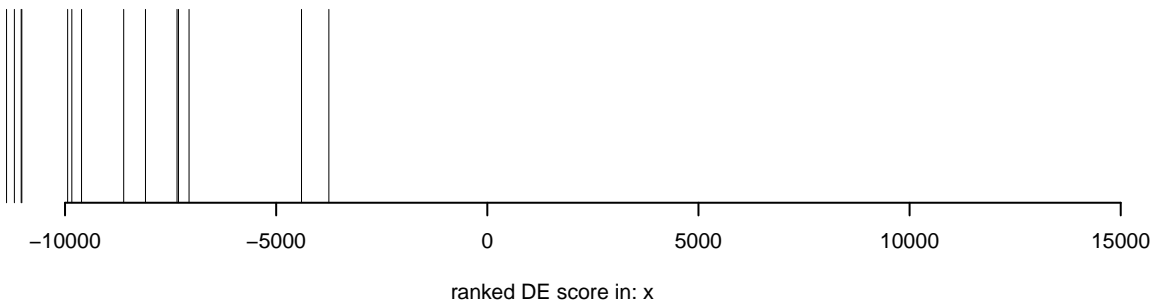
beeswarm plot



histogram

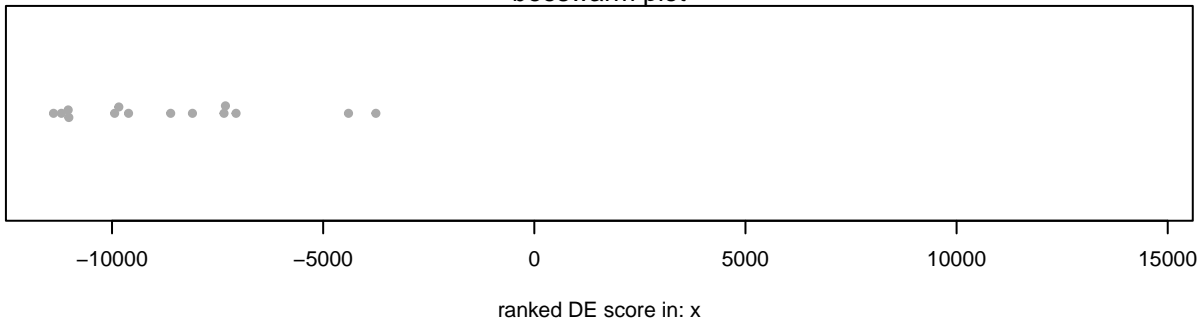


rugplot

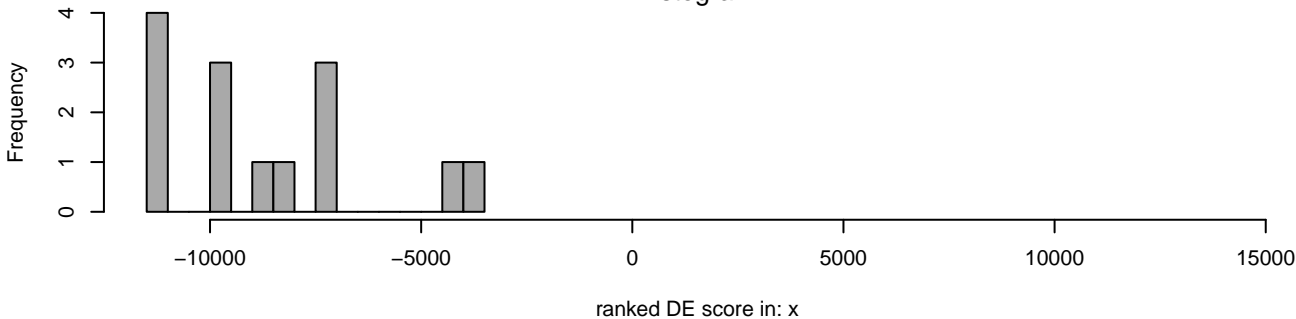


# Truncations of AMER1 destabilize the destruction complex

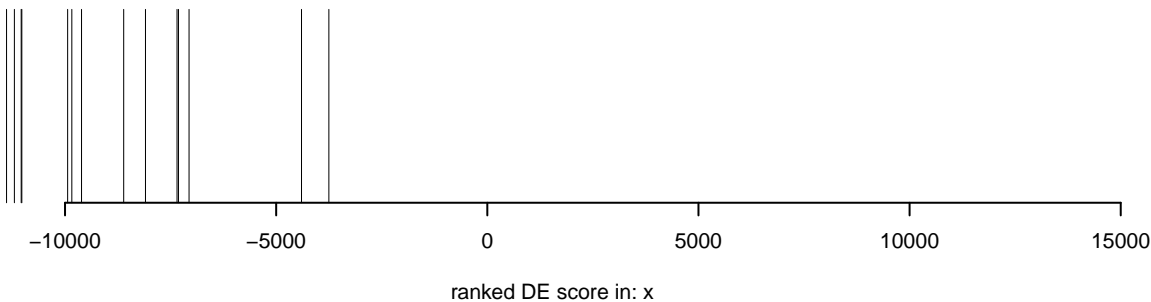
beeswarm plot



histogram

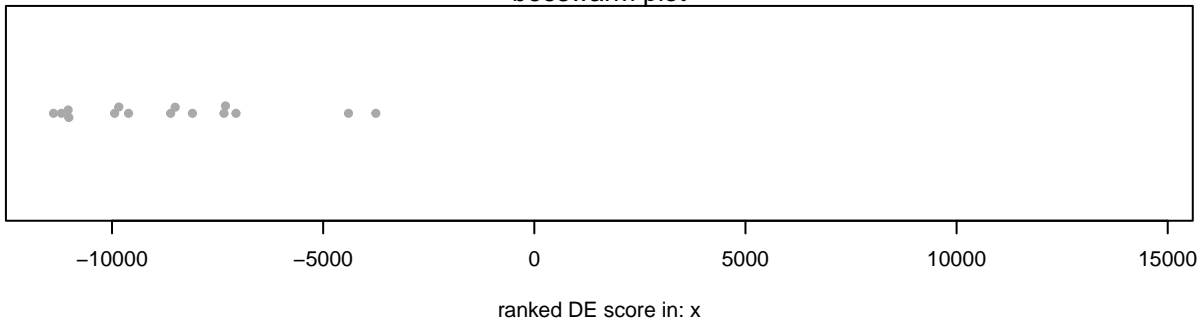


rugplot

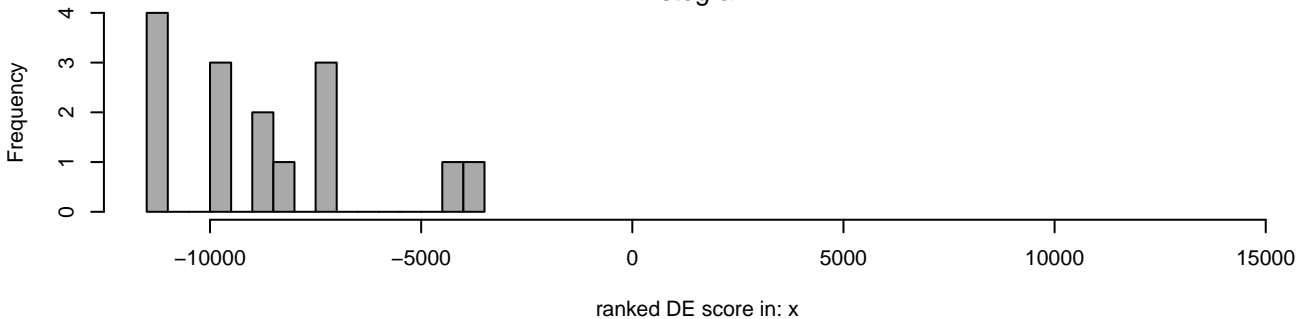


# S33 mutants of beta-catenin aren't phosphorylated

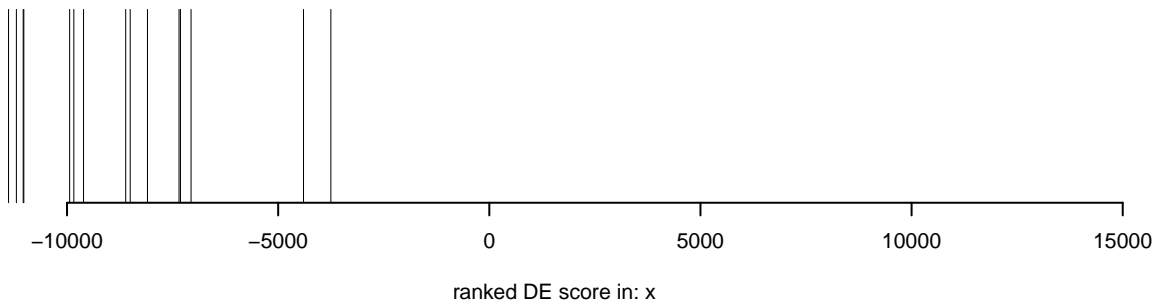
beeswarm plot



histogram

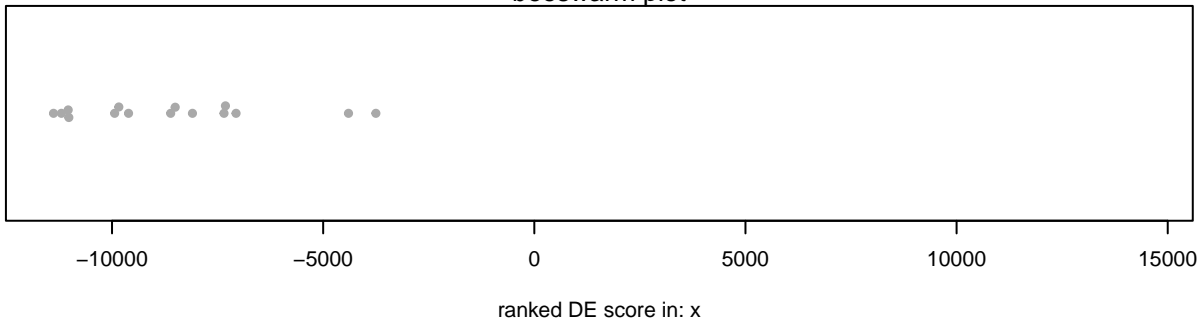


rugplot

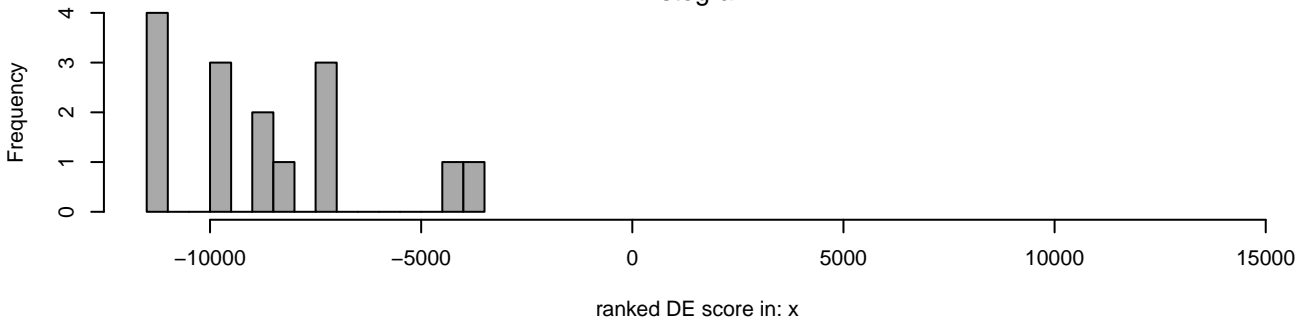


# S37 mutants of beta-catenin aren't phosphorylated

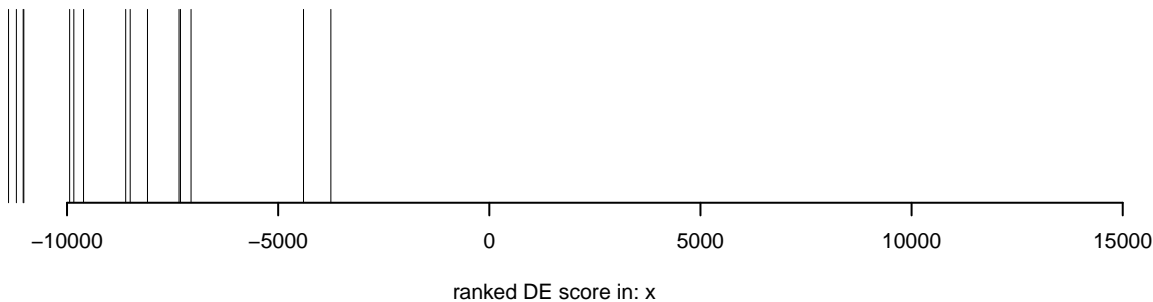
beeswarm plot



histogram

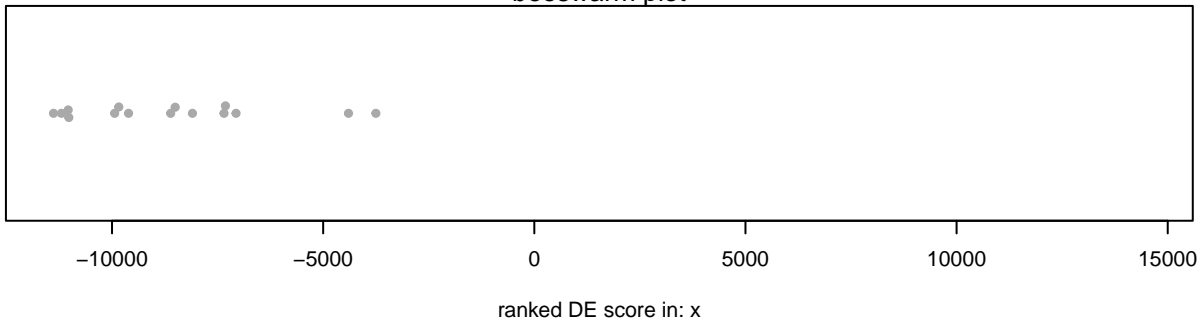


rugplot

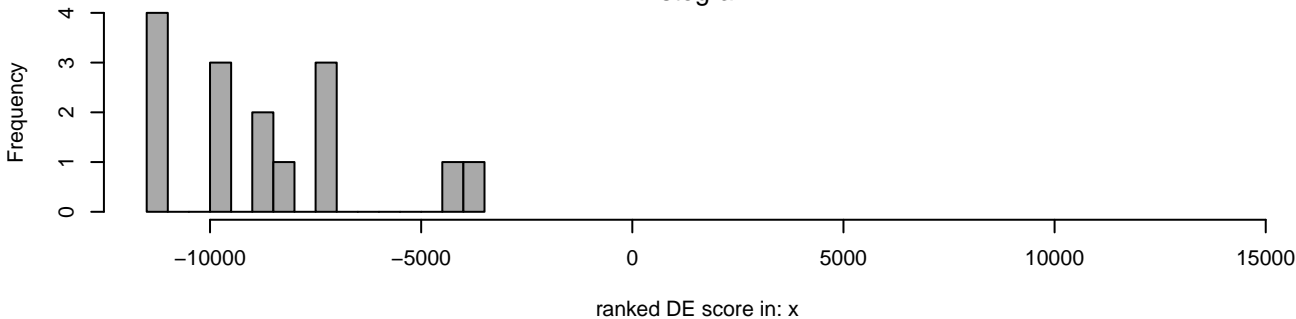


# S45 mutants of beta-catenin aren't phosphorylated

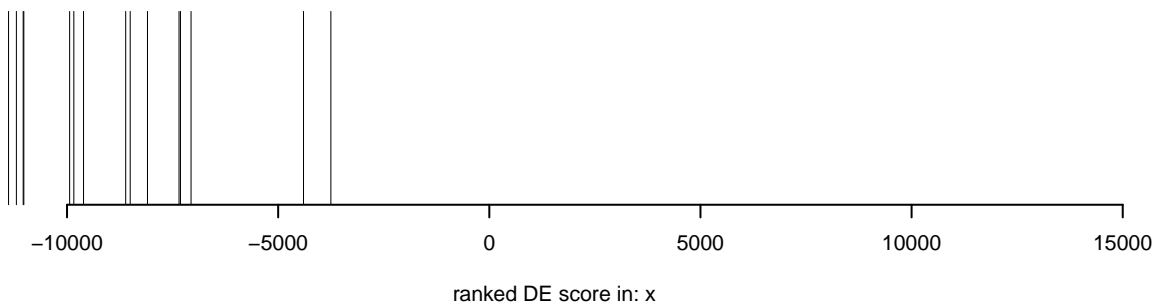
beeswarm plot



histogram

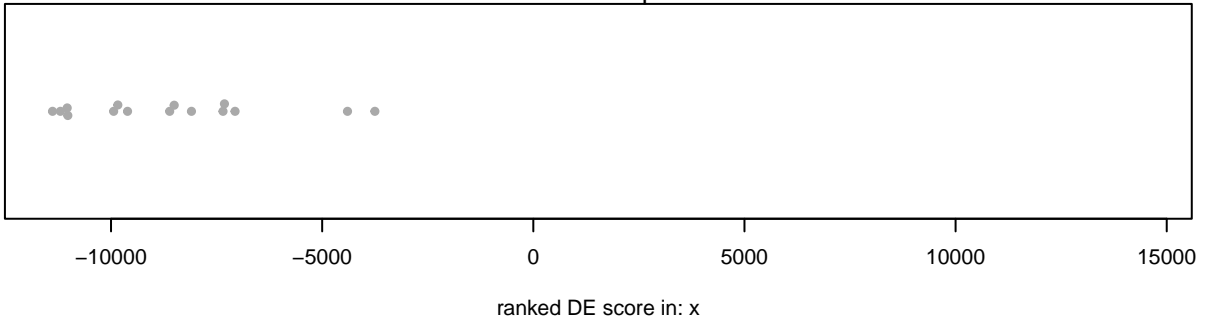


rugplot

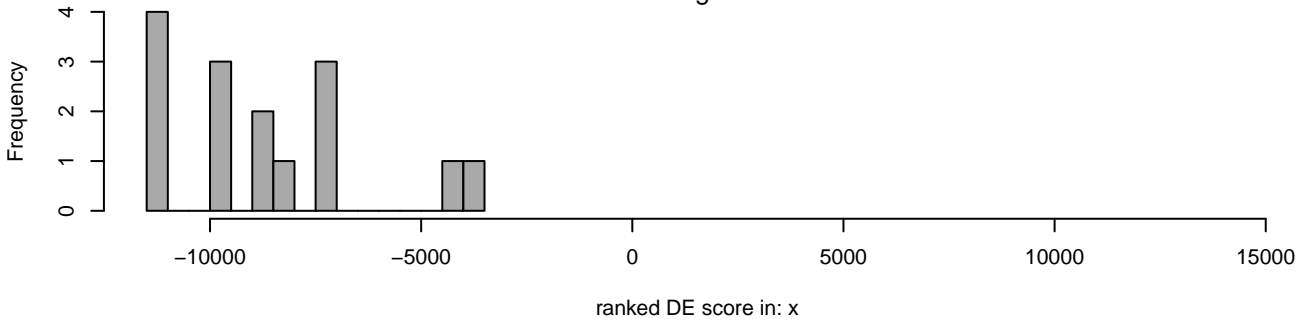


# Signaling by CTNNB1 phospho-site mutants

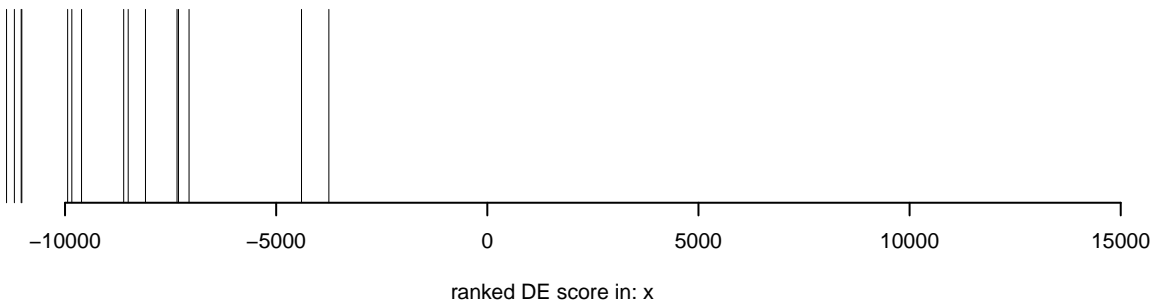
beeswarm plot



histogram



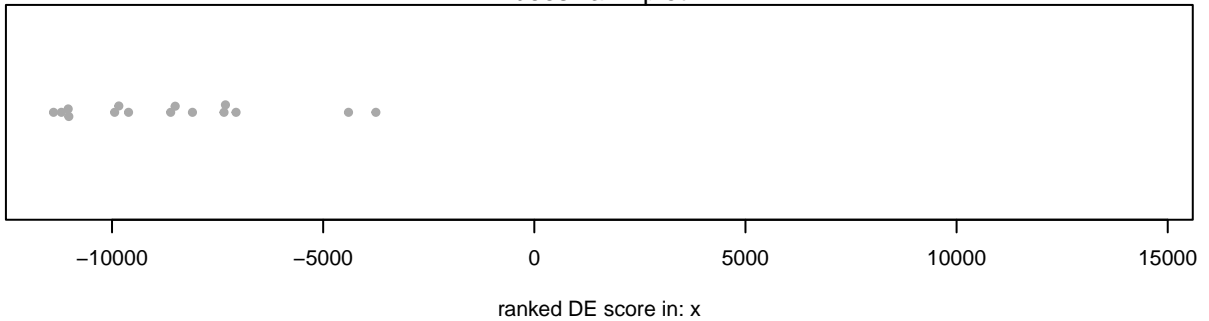
rugplot



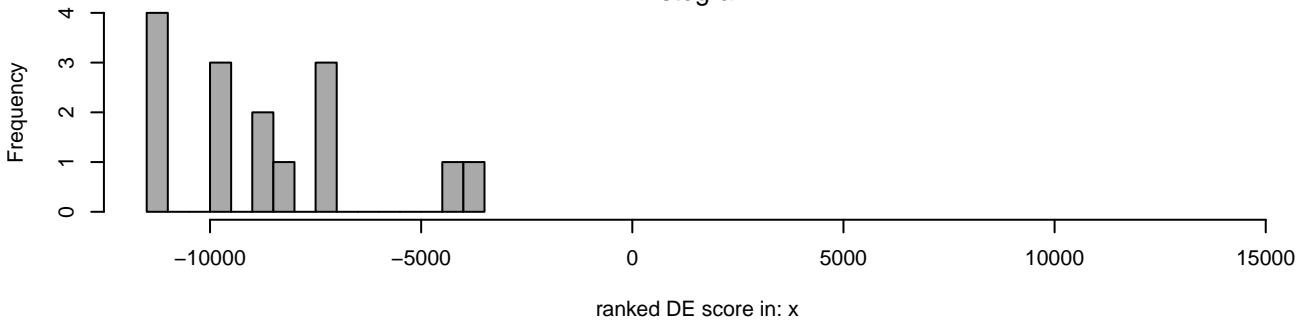


# Signaling by GSK3beta mutants

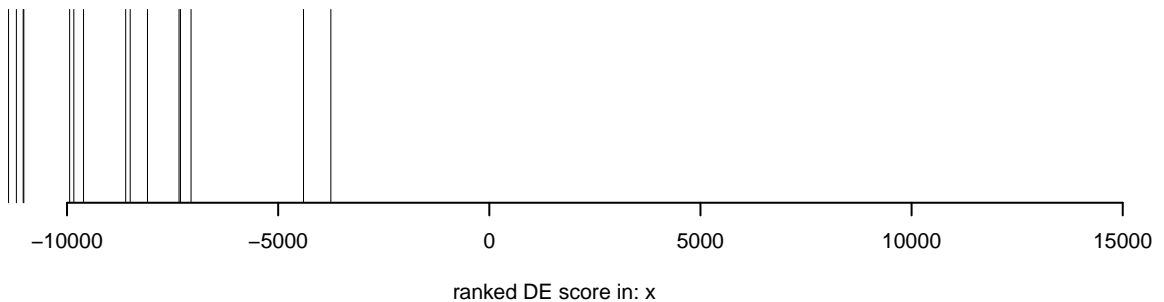
beeswarm plot



histogram

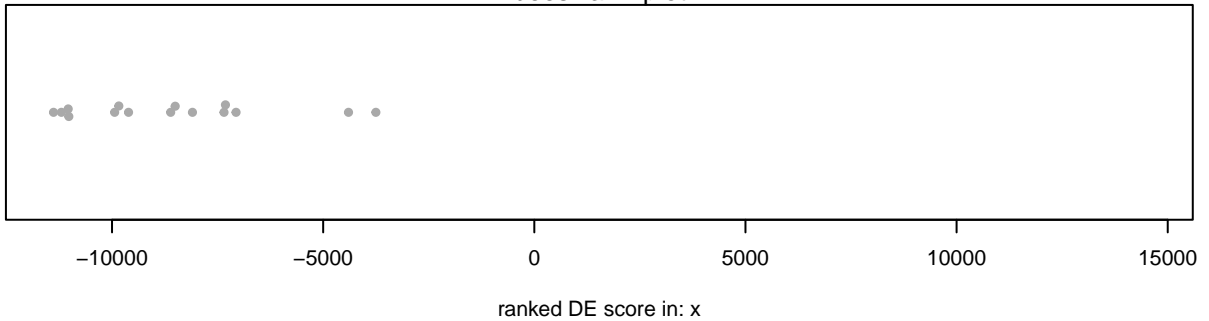


rugplot

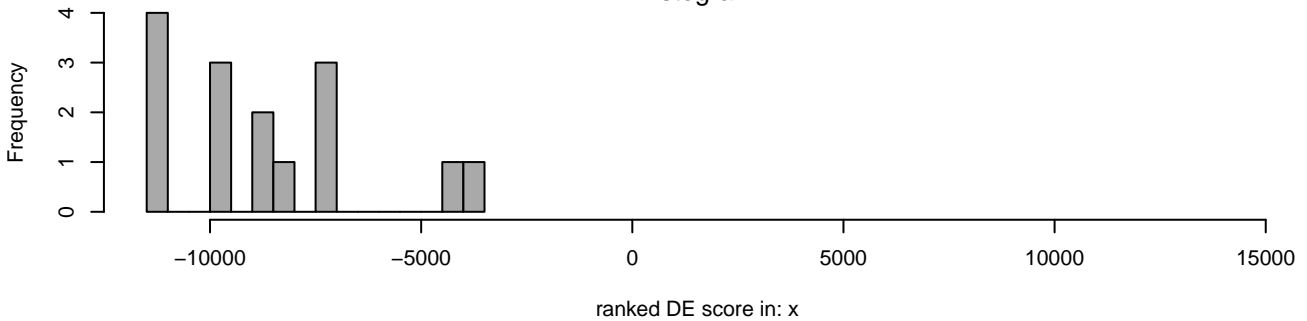


# T41 mutants of beta-catenin aren't phosphorylated

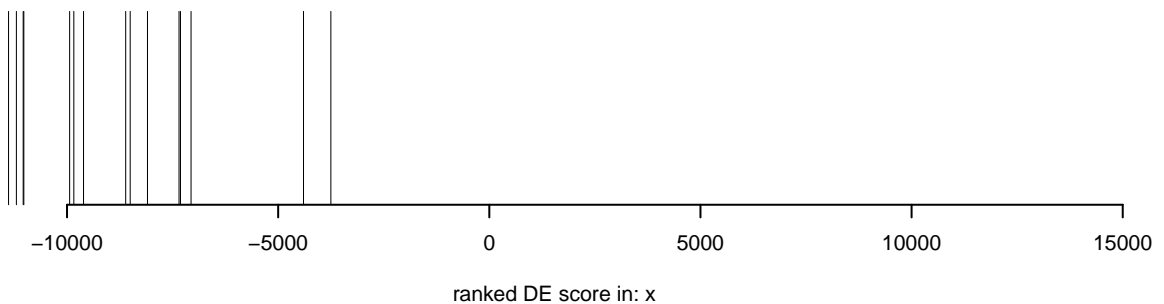
beeswarm plot



histogram

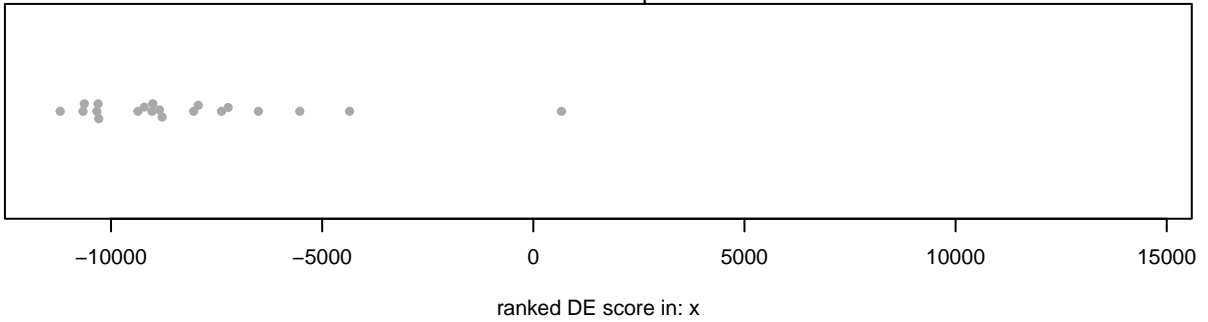


rugplot

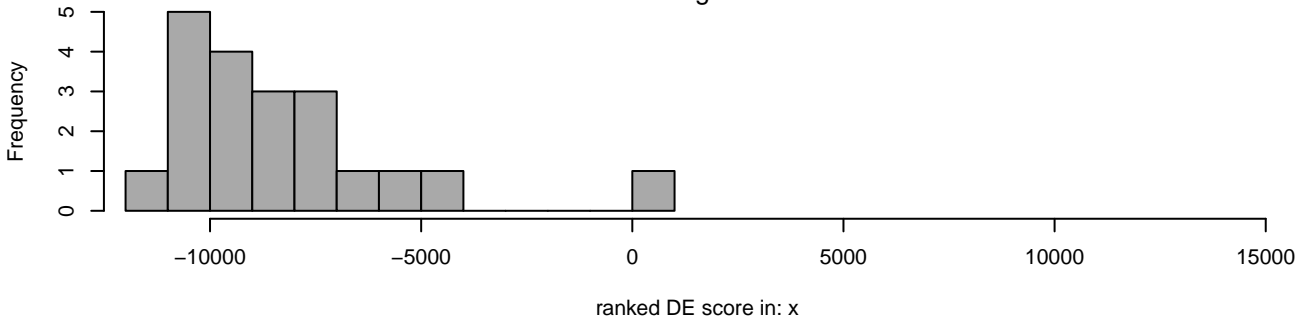


# Signaling by Hippo

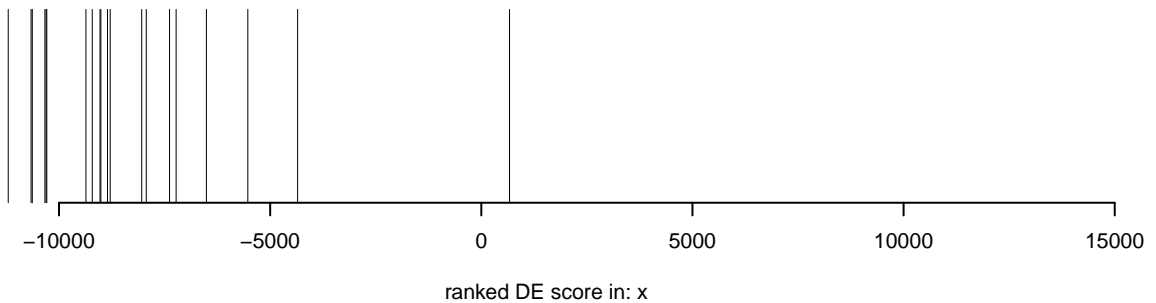
beeswarm plot



histogram

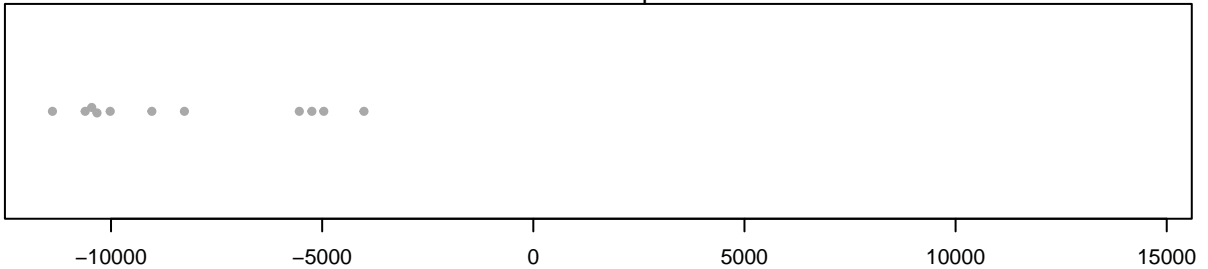


rugplot



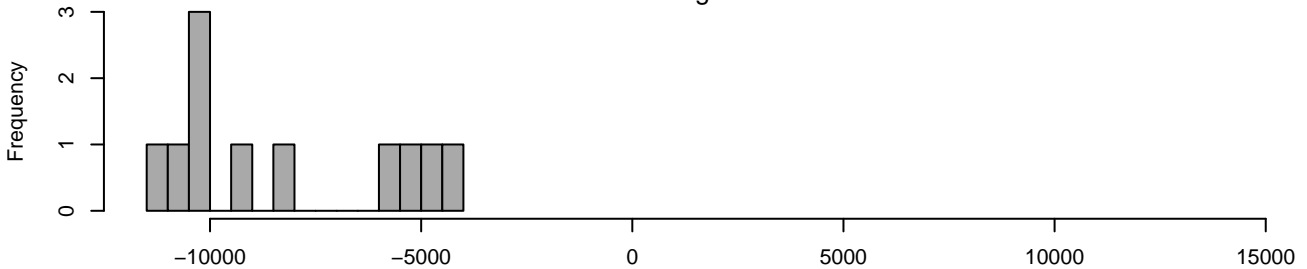
# Establishment of Sister Chromatid Cohesion

beeswarm plot



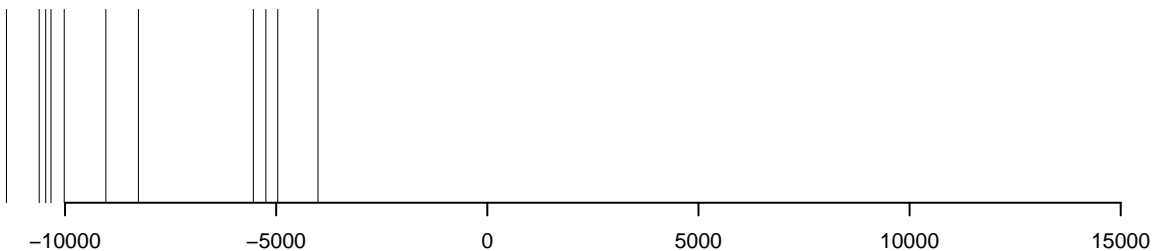
ranked DE score in: x

histogram



ranked DE score in: x

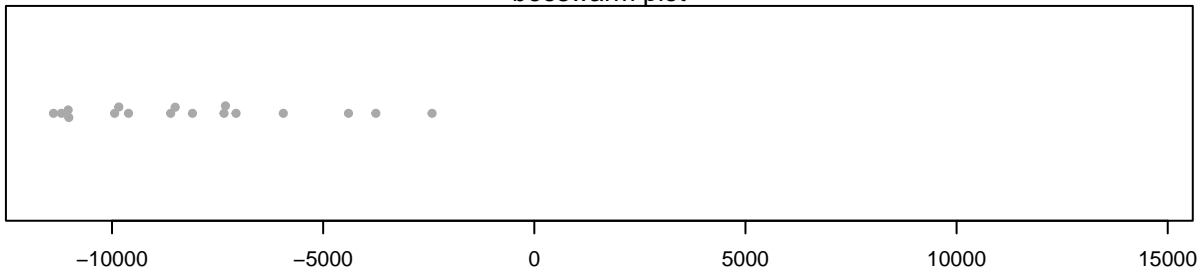
rugplot



ranked DE score in: x

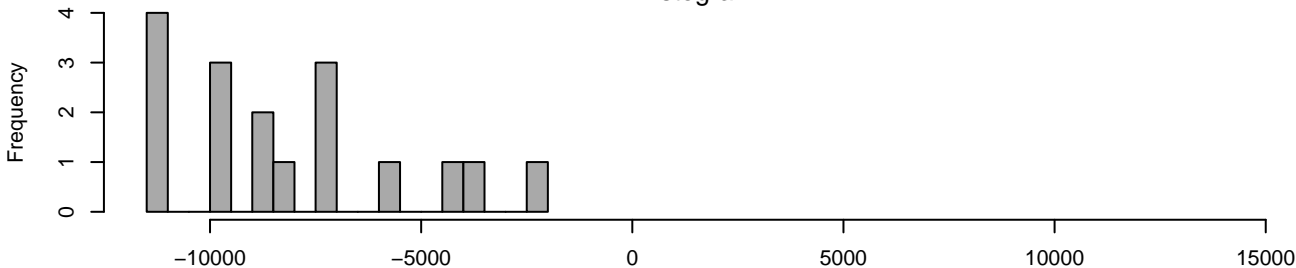
# Beta-catenin phosphorylation cascade

beeswarm plot



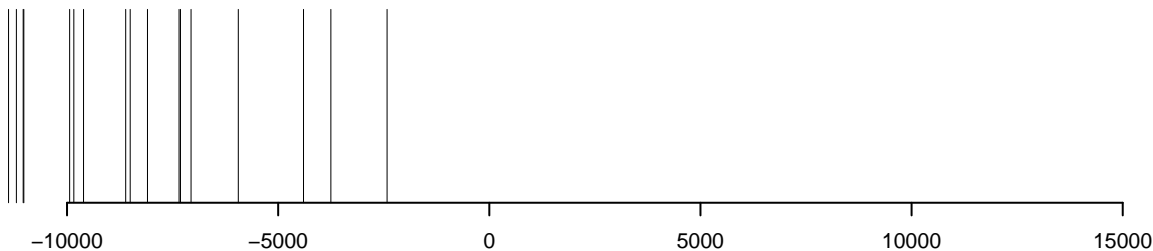
ranked DE score in: x

histogram



ranked DE score in: x

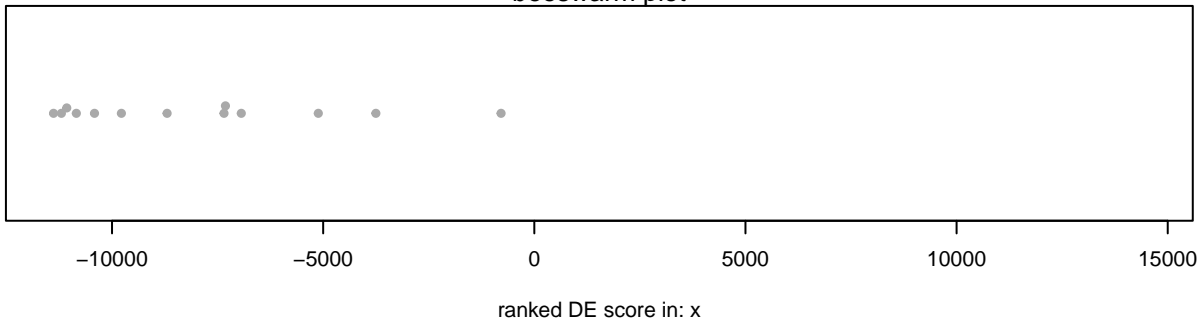
rugplot



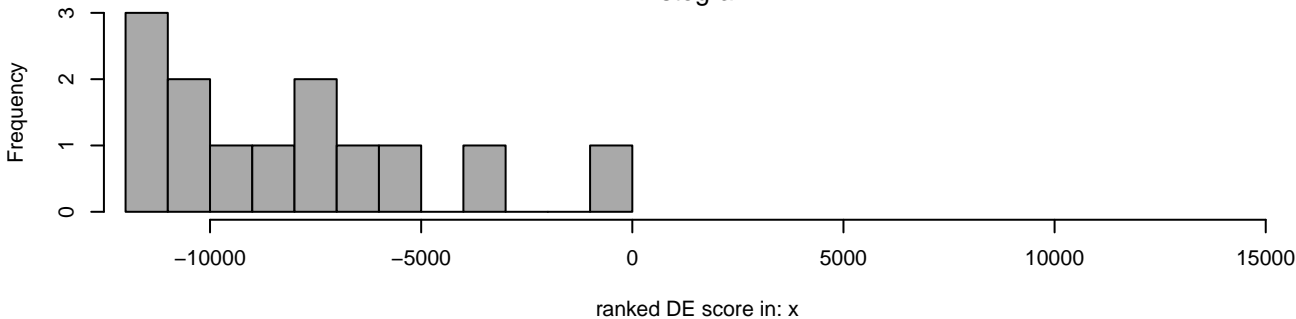
ranked DE score in: x

# ERKs are inactivated

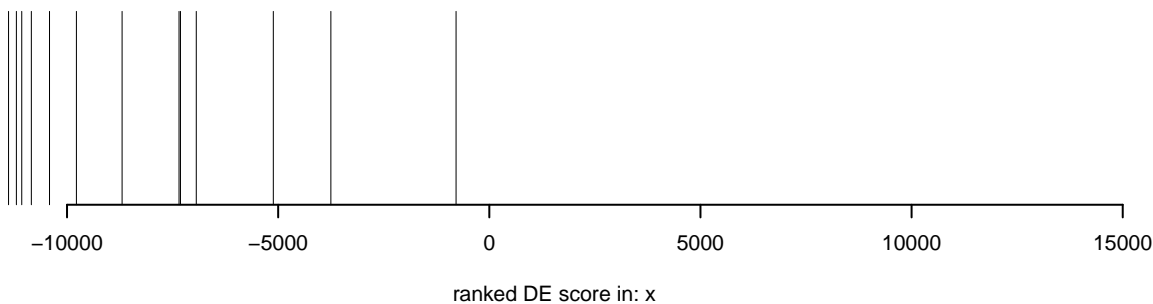
beeswarm plot



histogram

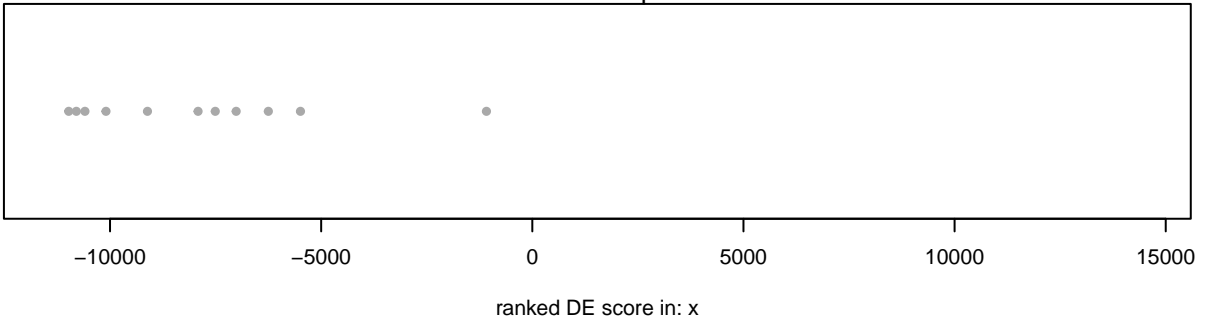


rugplot

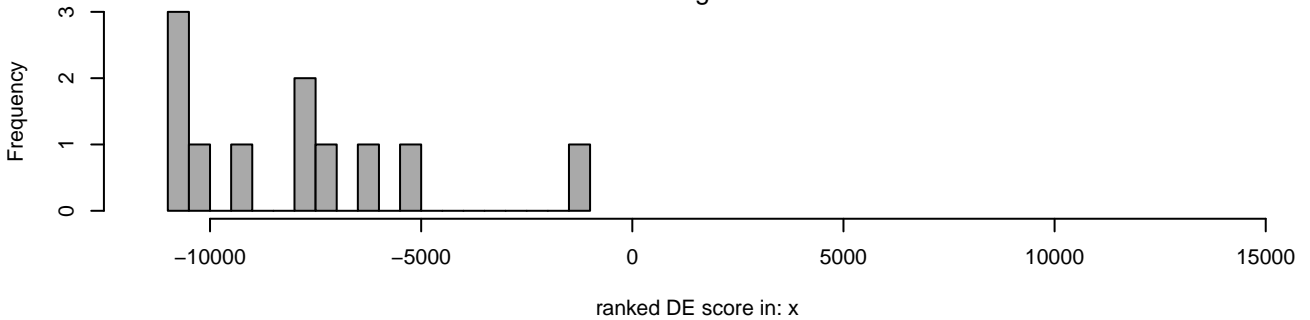


# Interleukin-6 signaling

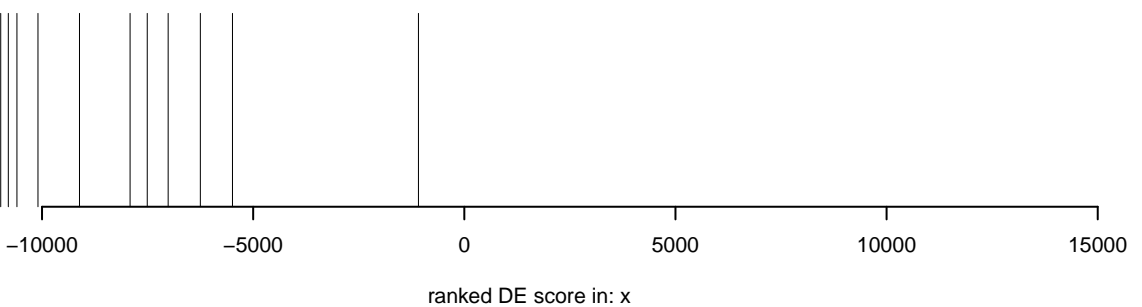
beeswarm plot



histogram

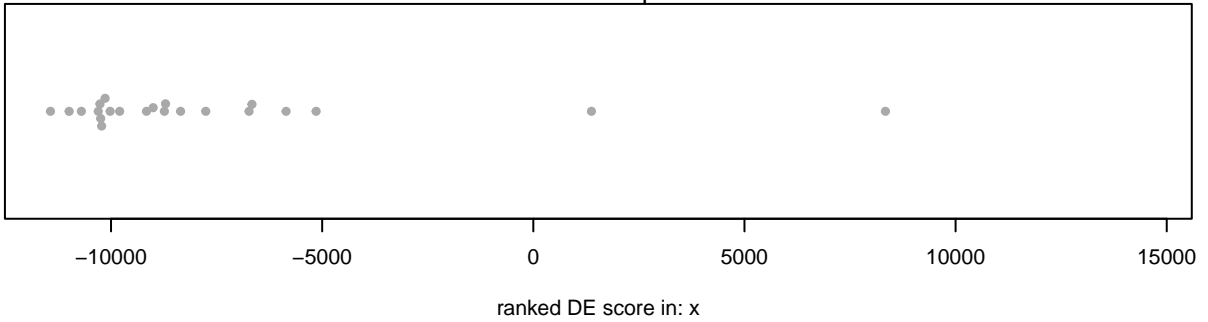


rugplot

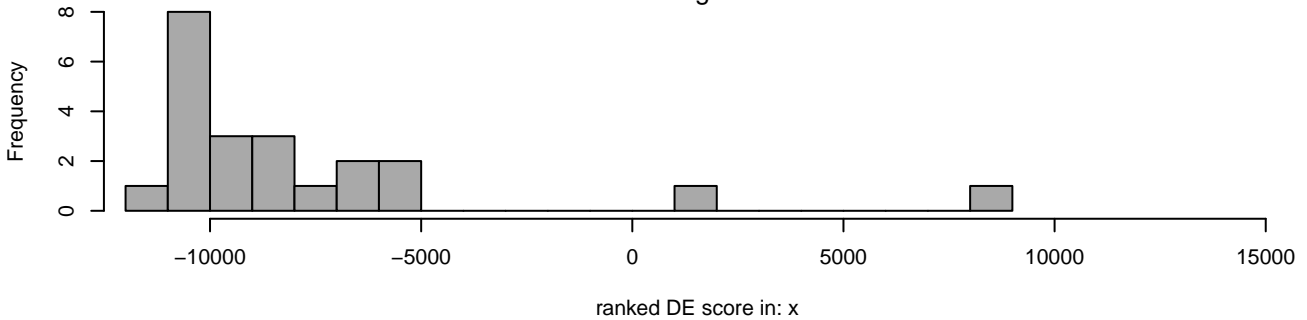


# HDMs demethylate histones

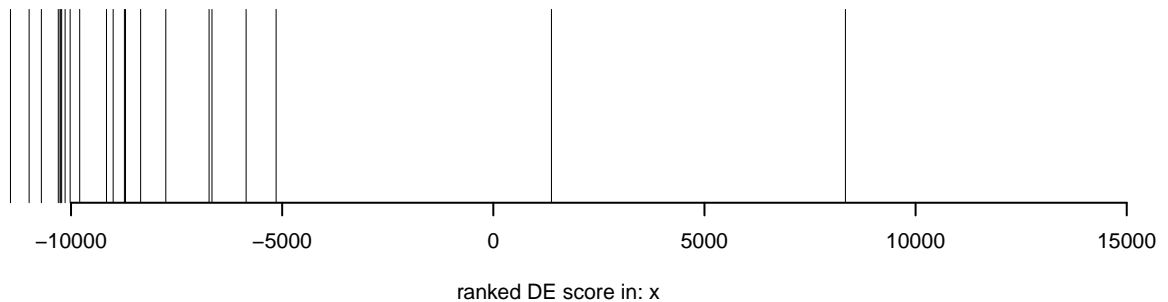
beeswarm plot



histogram



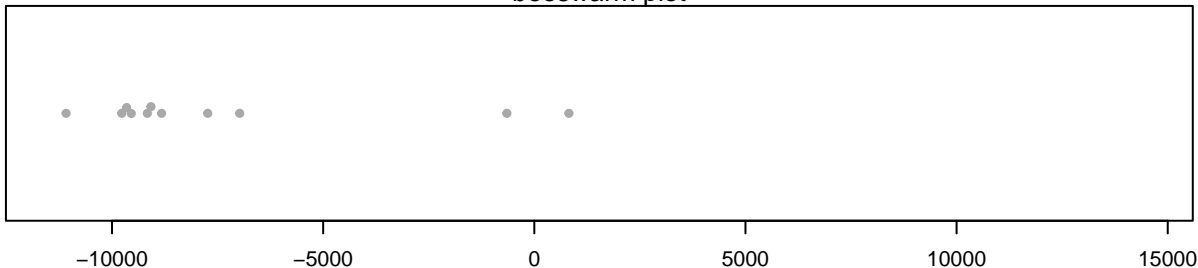
rugplot





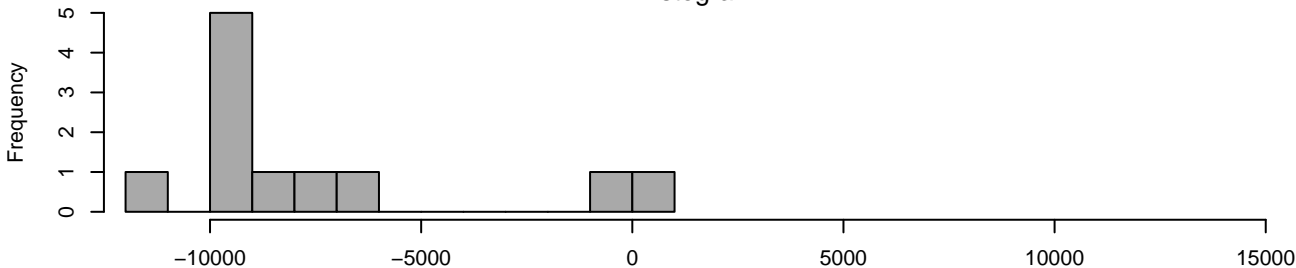
# Synthesis of PIPs at the late endosome membrane

beeswarm plot



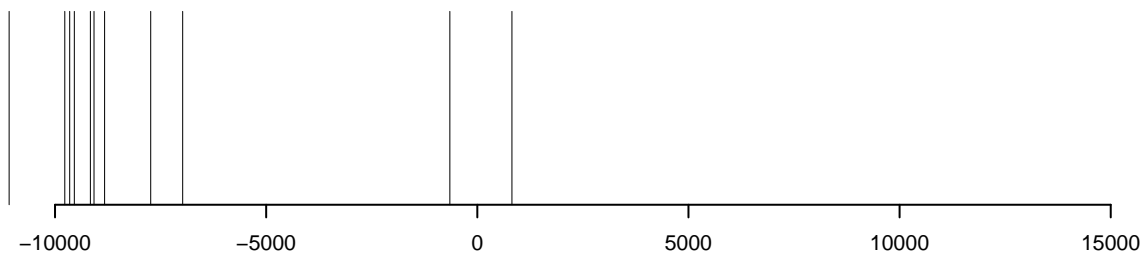
ranked DE score in: x

histogram



ranked DE score in: x

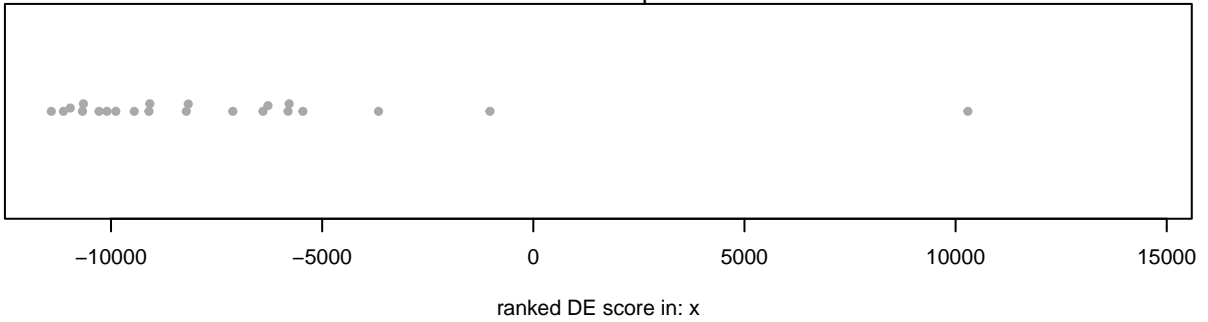
rugplot



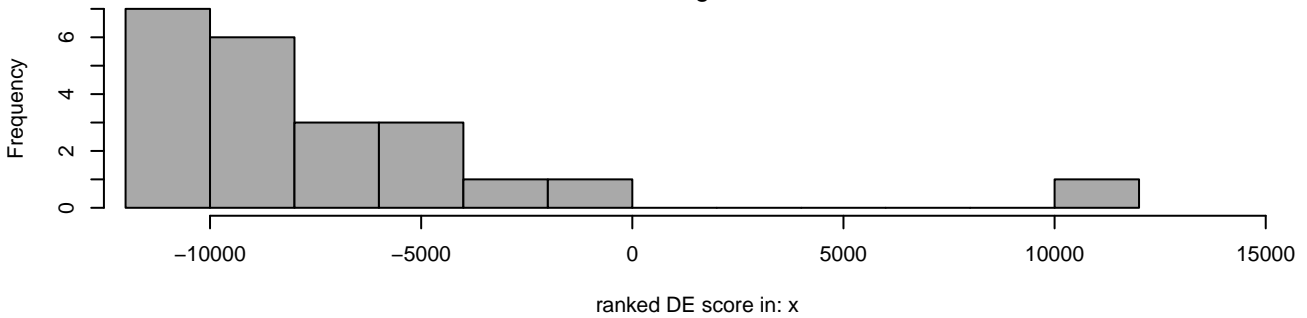
ranked DE score in: x

# Deadenylation of mRNA

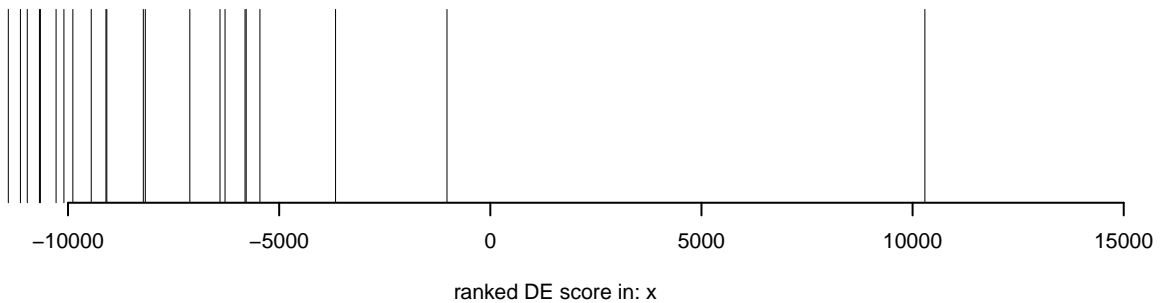
beeswarm plot



histogram

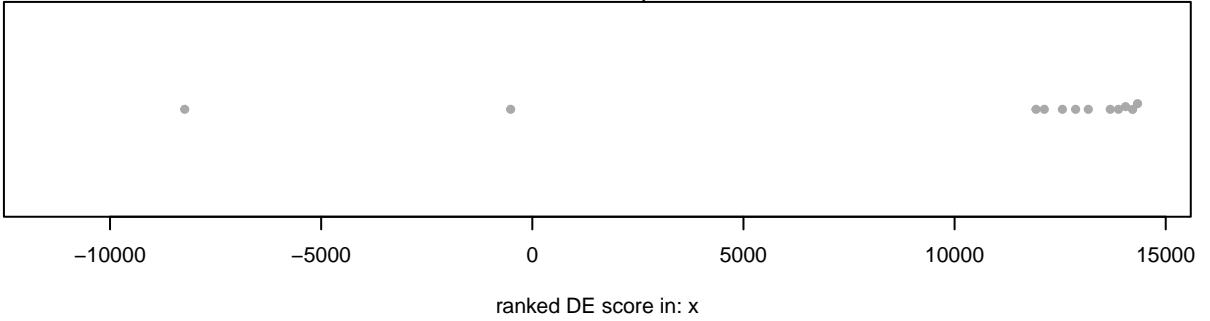


rugplot

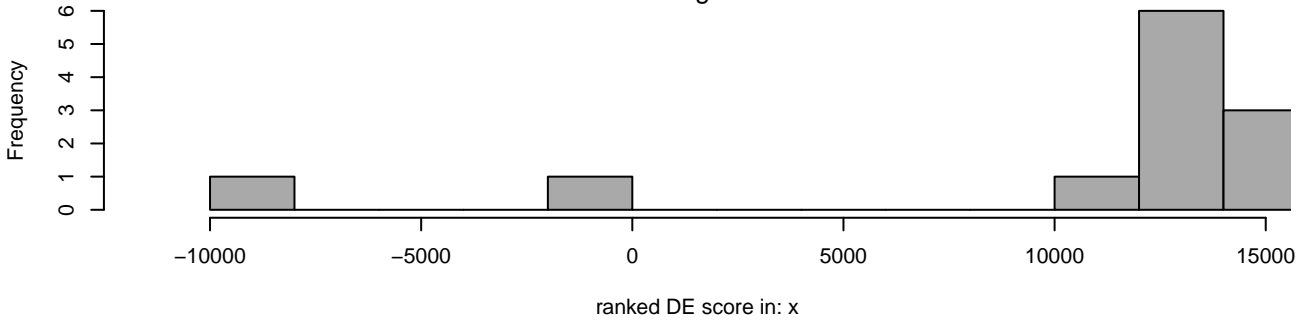


# Unwinding of DNA

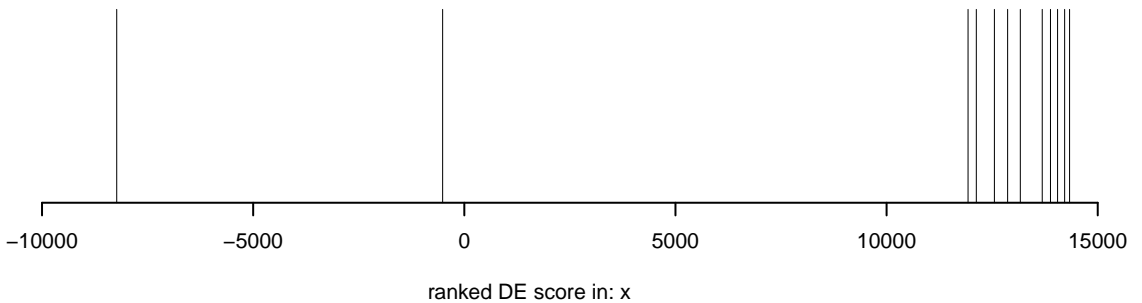
beeswarm plot



histogram

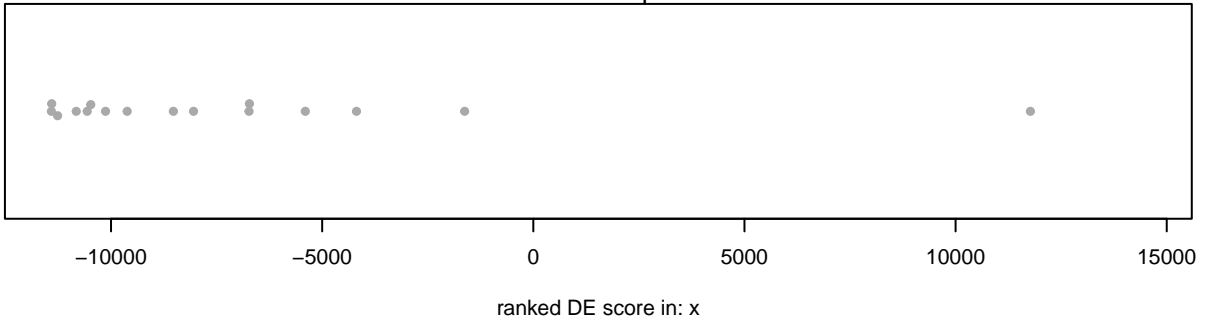


rugplot

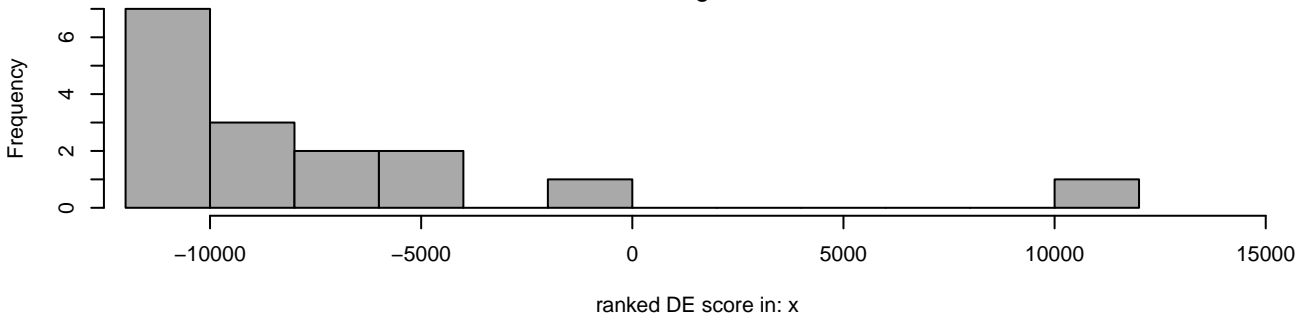


# Cell-extracellular matrix interactions

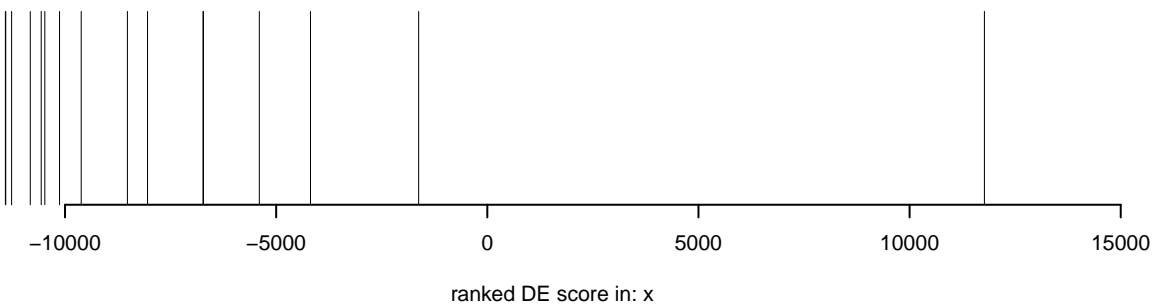
beeswarm plot



histogram

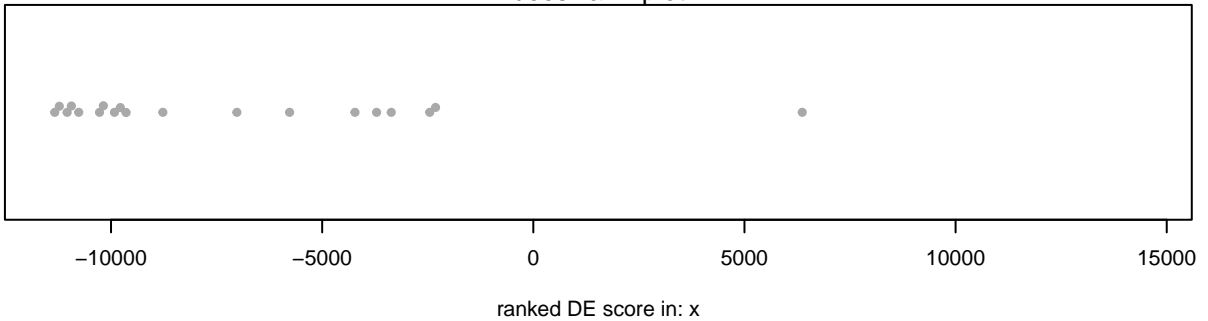


rugplot

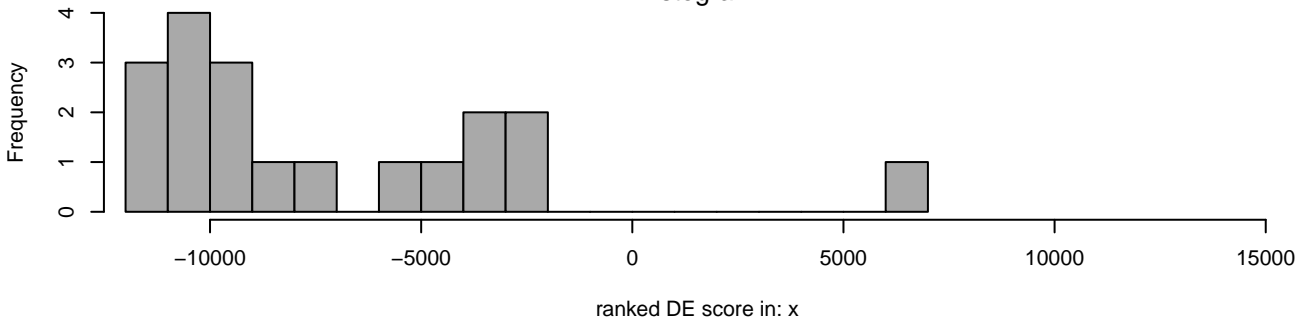


# Ephrin signaling

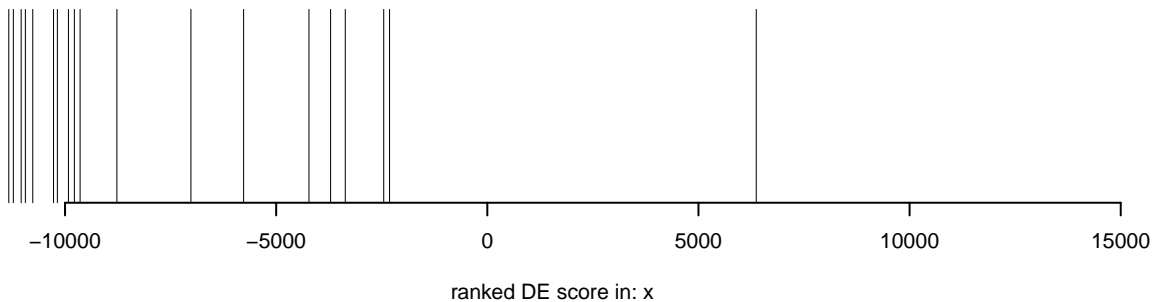
beeswarm plot



histogram

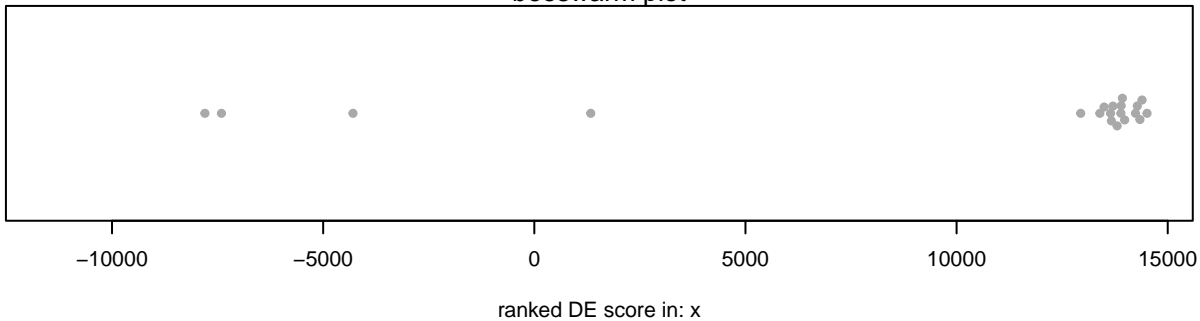


rugplot

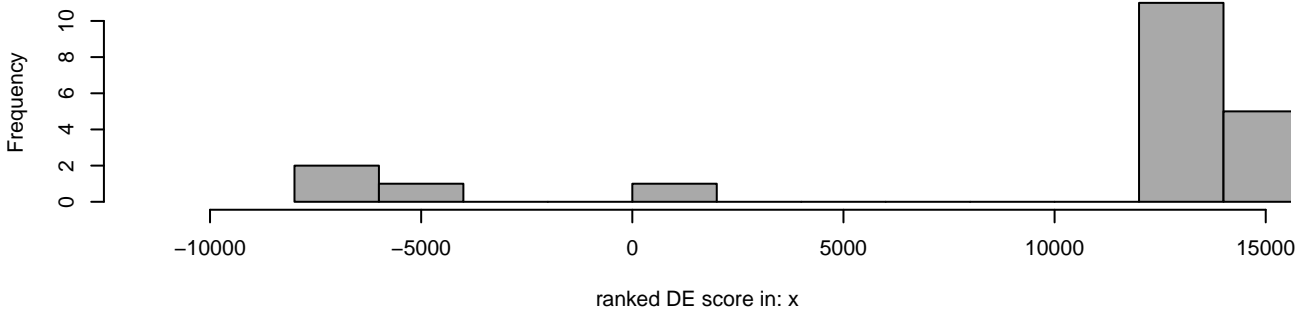


# tRNA processing in the mitochondrion

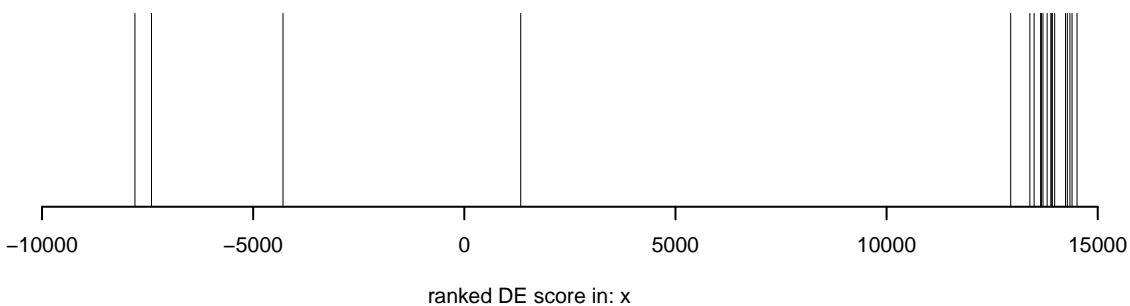
beeswarm plot



histogram

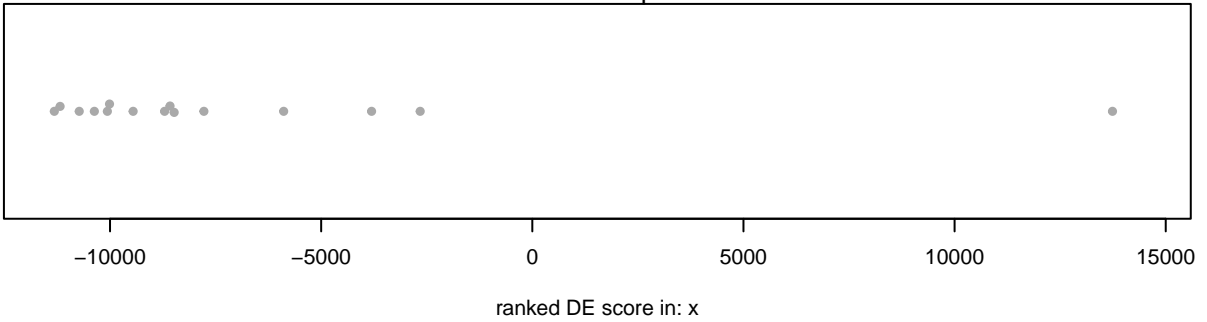


rugplot

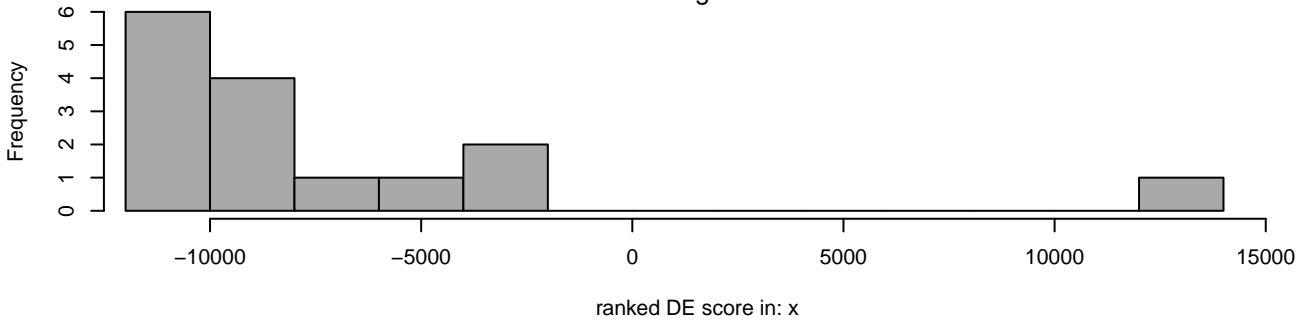


# FOXO-mediated transcription of cell cycle genes

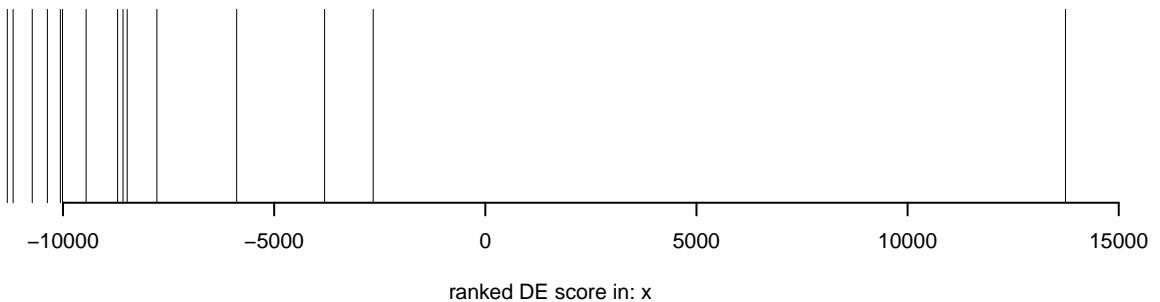
beeswarm plot



histogram

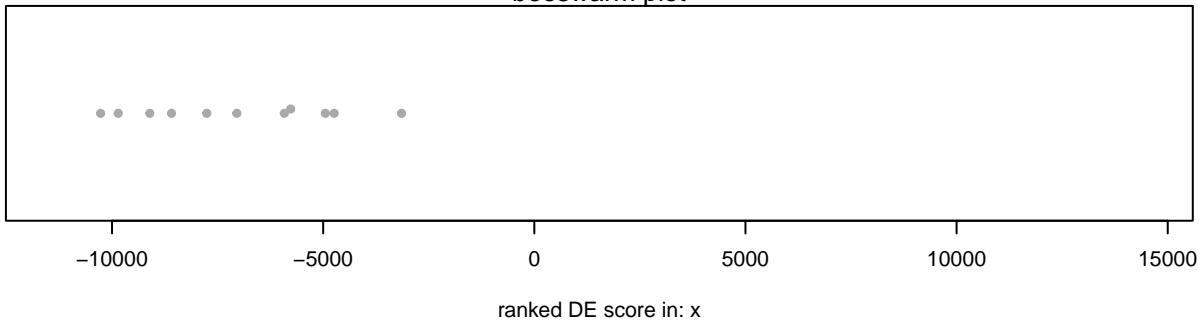


rugplot

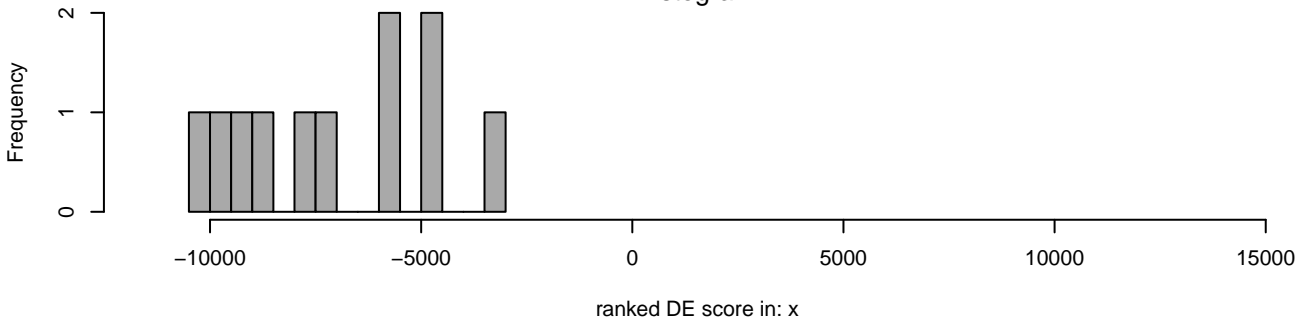


# RHO GTPases activate KTN1

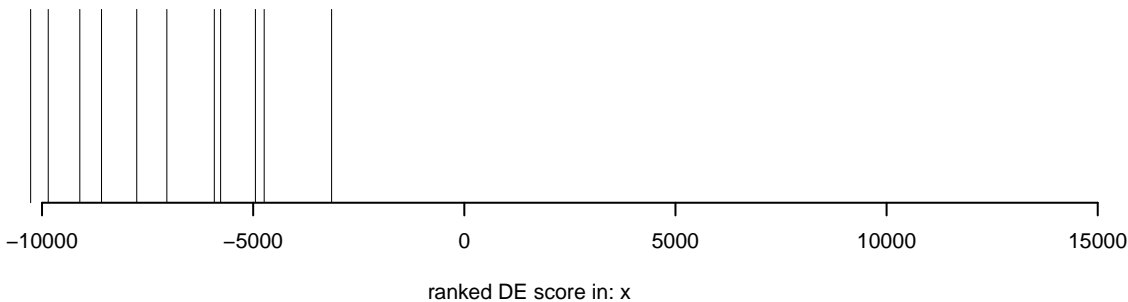
beeswarm plot



histogram



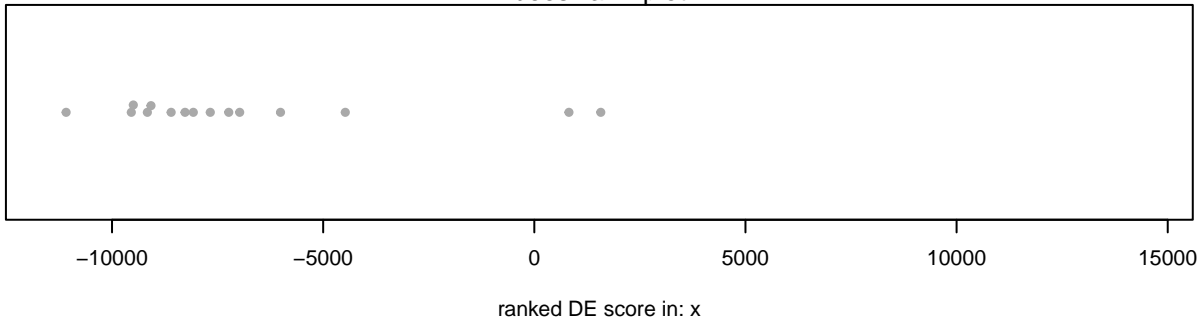
rugplot



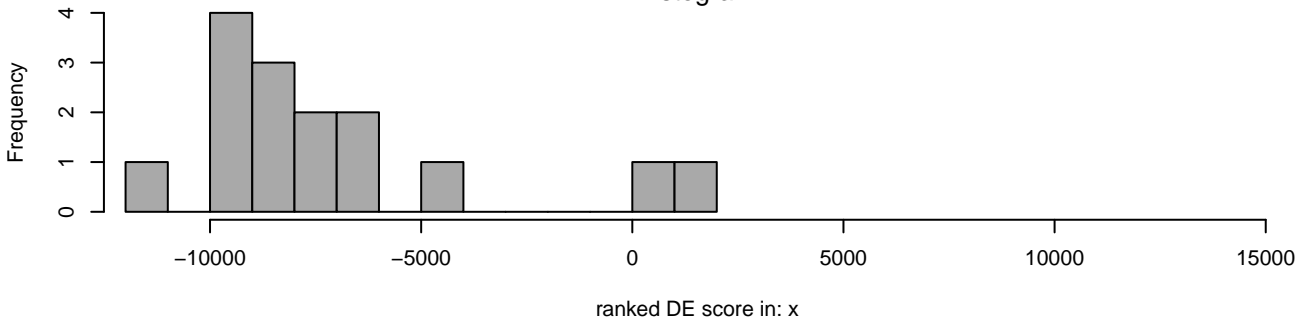


# Synthesis of PIPs at the Golgi membrane

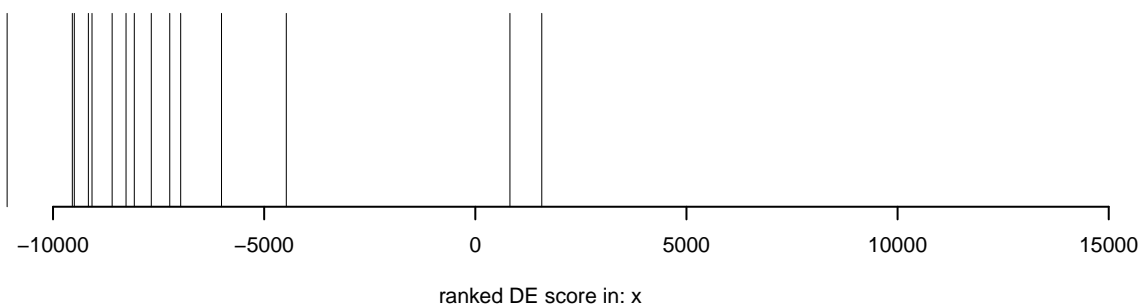
beeswarm plot



histogram

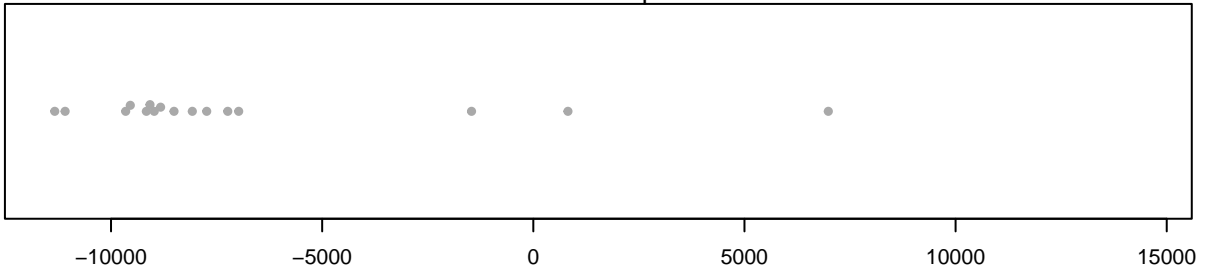


rugplot



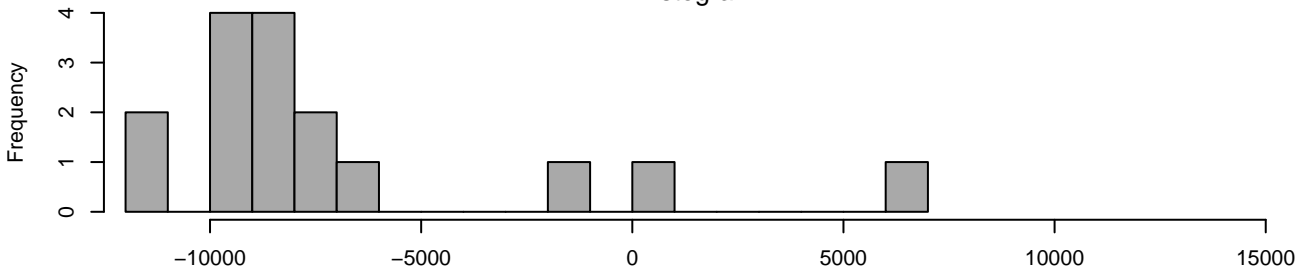
# Synthesis of PIPs at the early endosome membrane

beeswarm plot



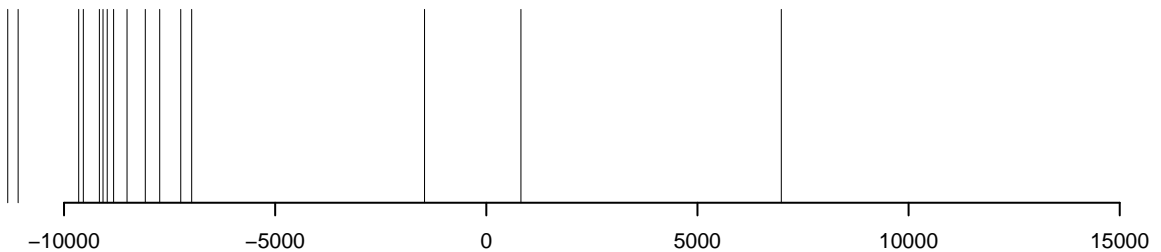
ranked DE score in: x

histogram



ranked DE score in: x

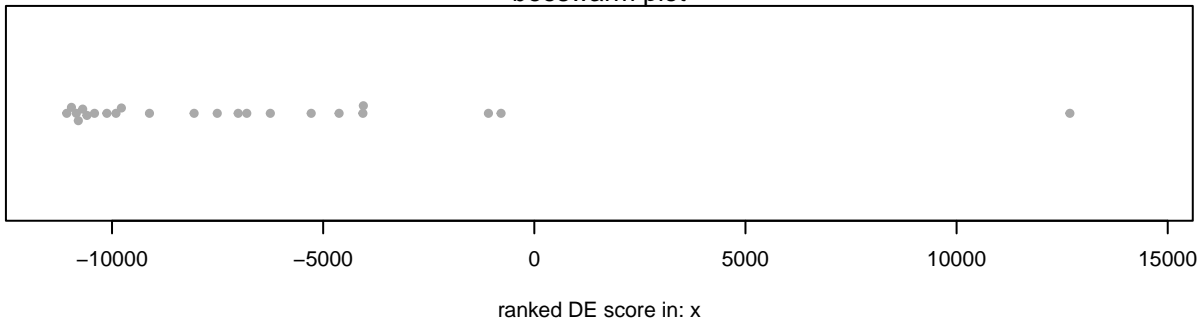
rugplot



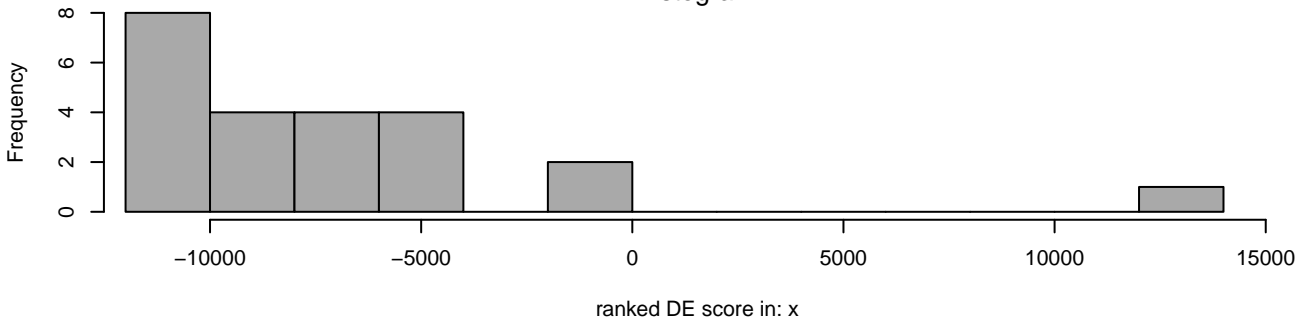
ranked DE score in: x

# RAF-independent MAPK1/3 activation

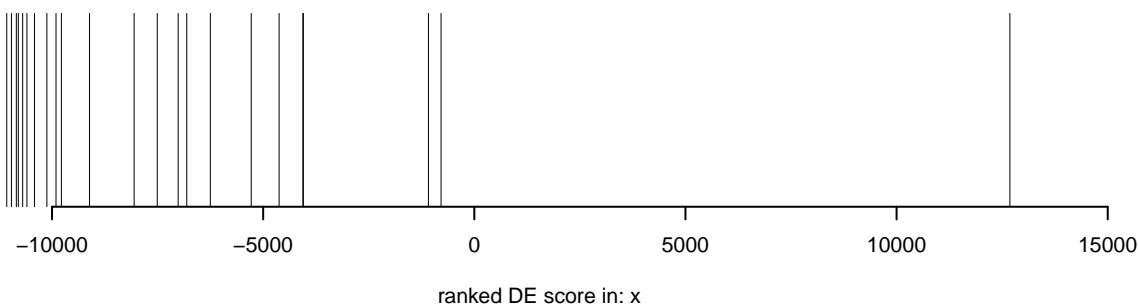
beeswarm plot



histogram

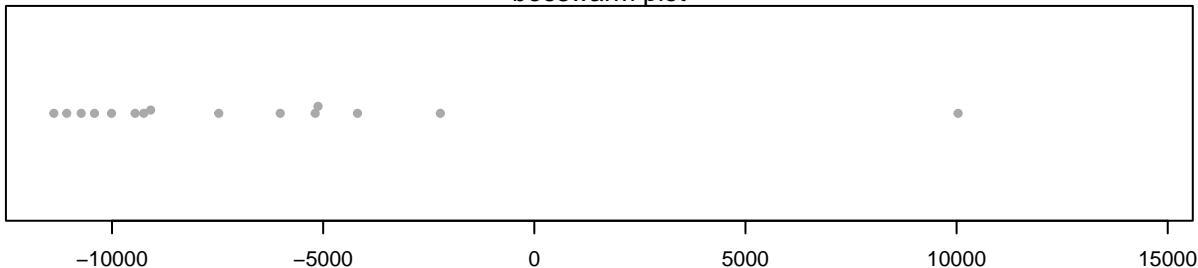


rugplot



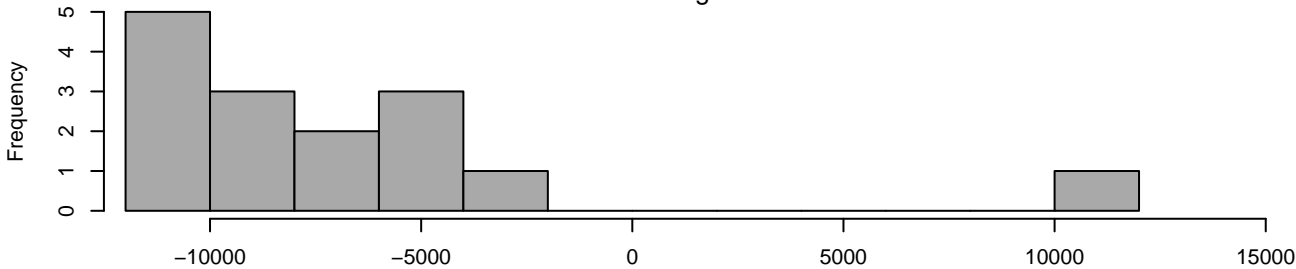
# Signaling by Activin

beeswarm plot



ranked DE score in: x

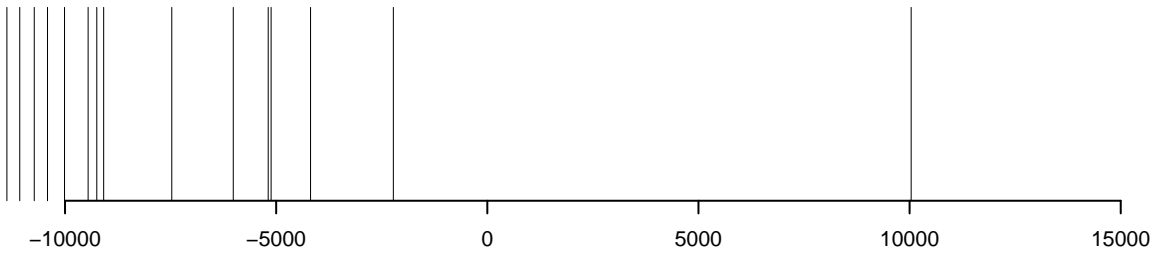
histogram



Frequency

ranked DE score in: x

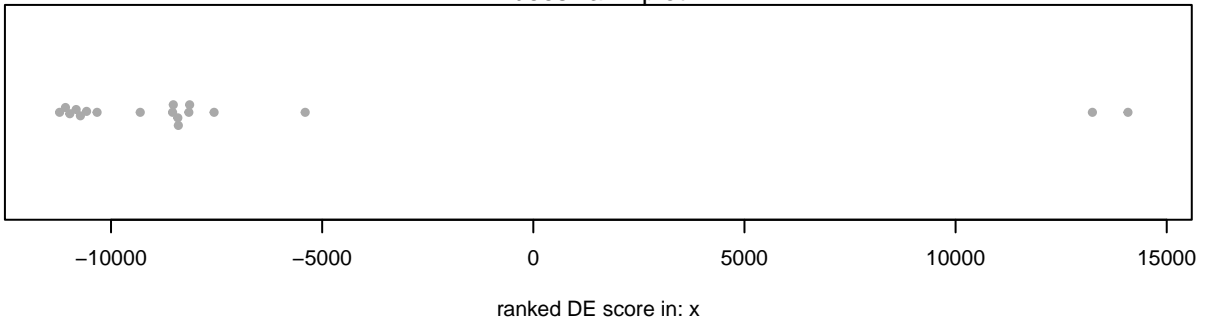
rugplot



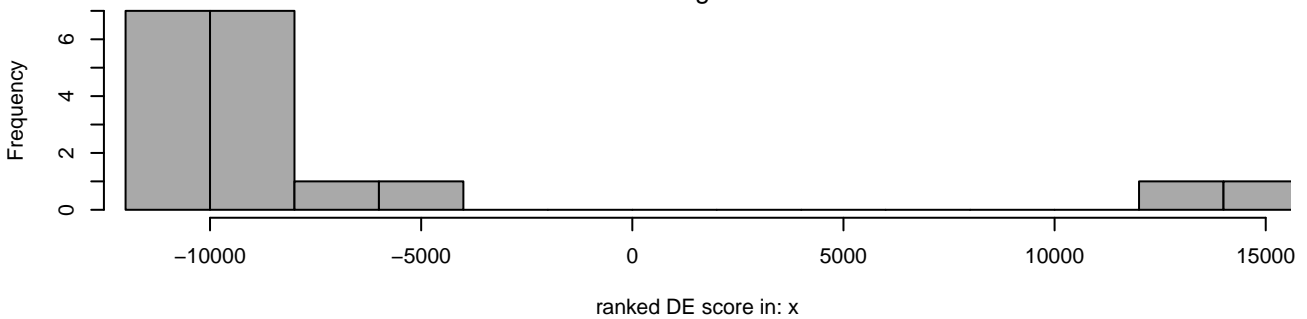
ranked DE score in: x

# RORA activates gene expression

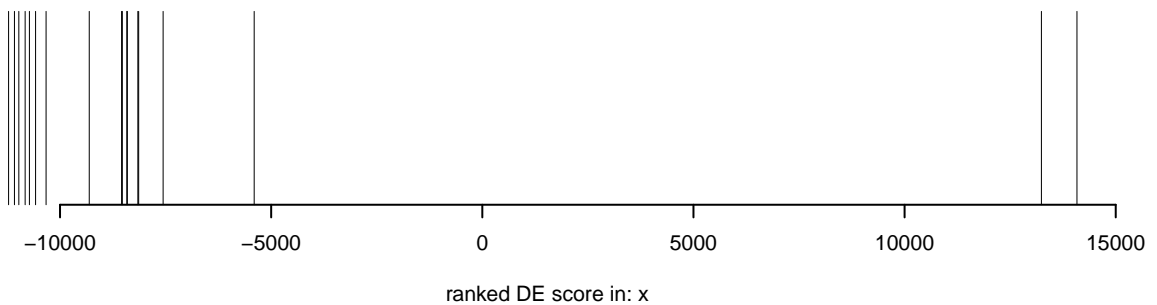
beeswarm plot



histogram

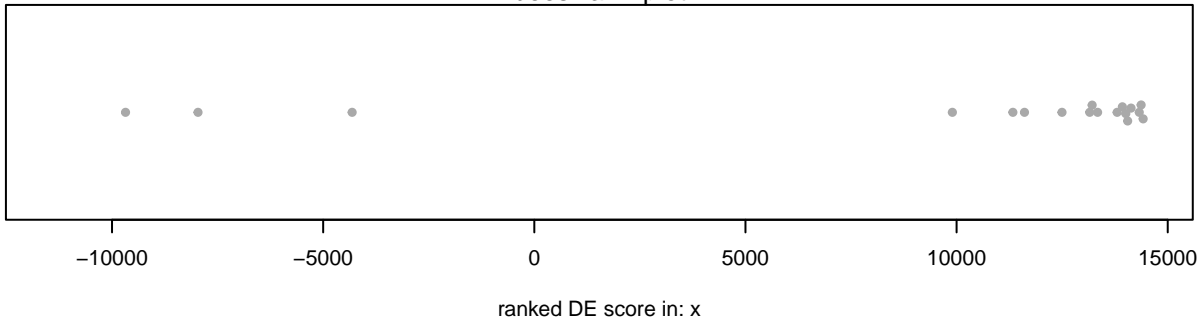


rugplot

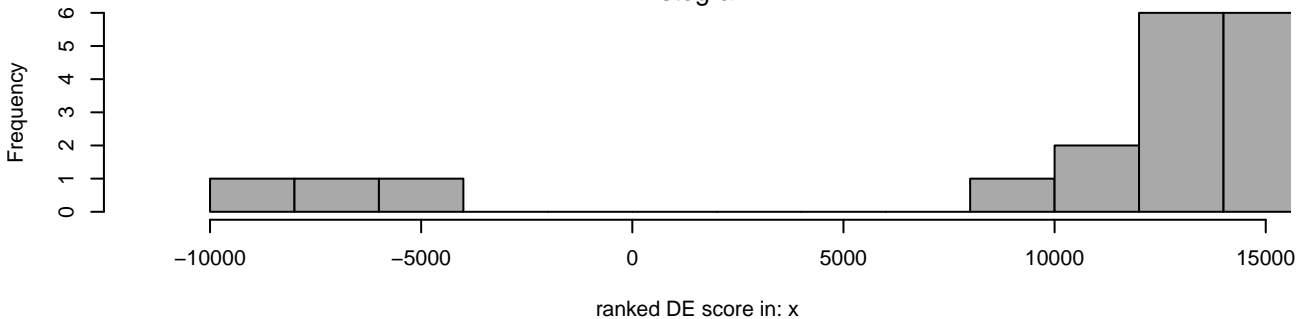


# Formation of ATP by chemiosmotic coupling

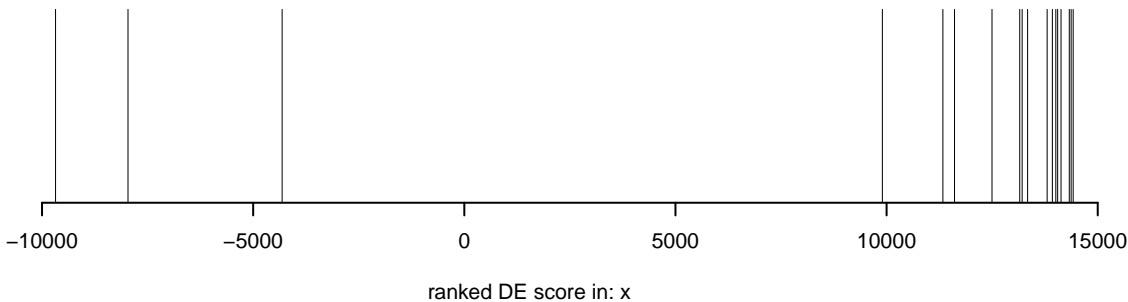
beeswarm plot



histogram

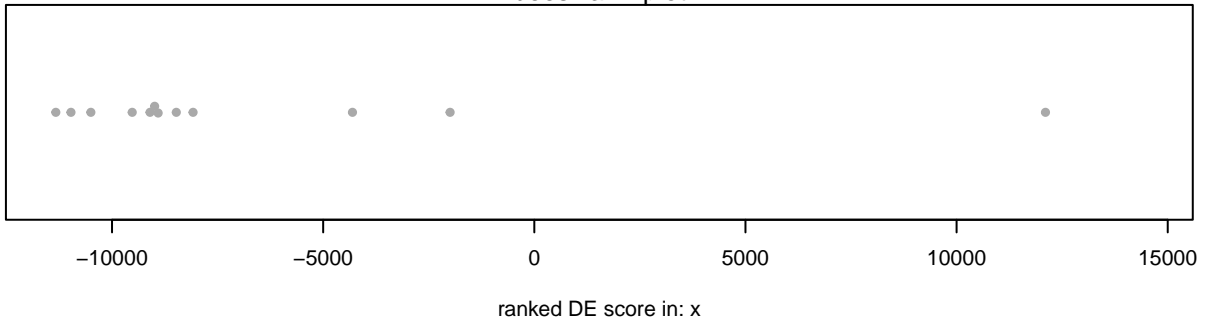


rugplot

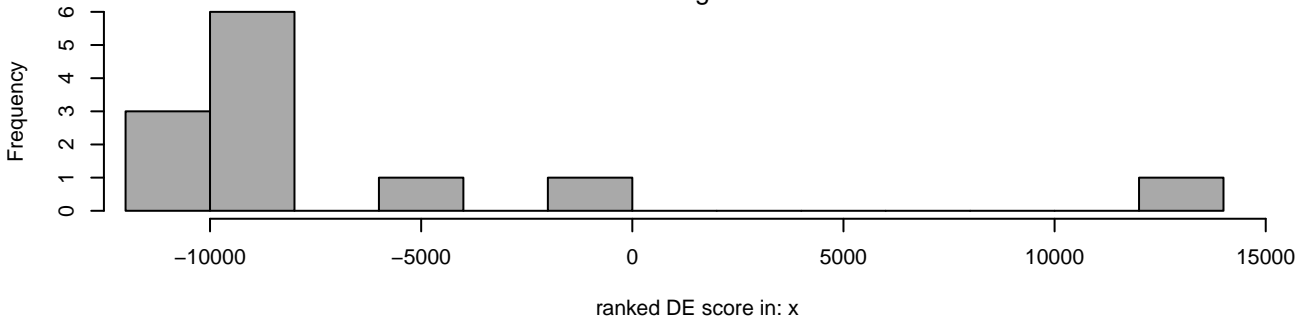


# ALK mutants bind TKIs

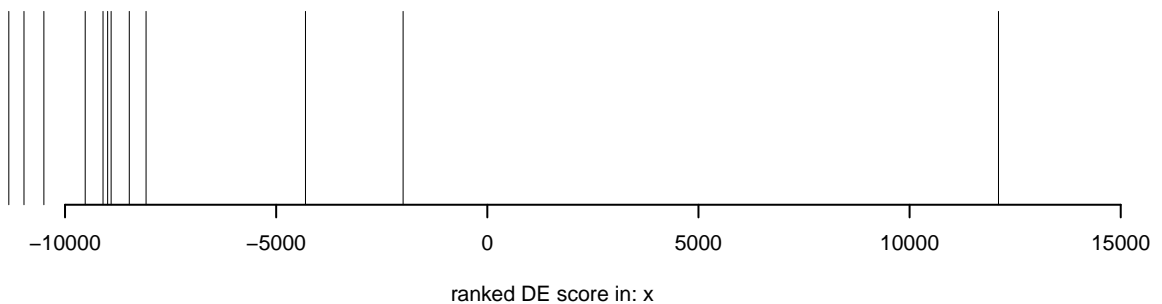
beeswarm plot



histogram

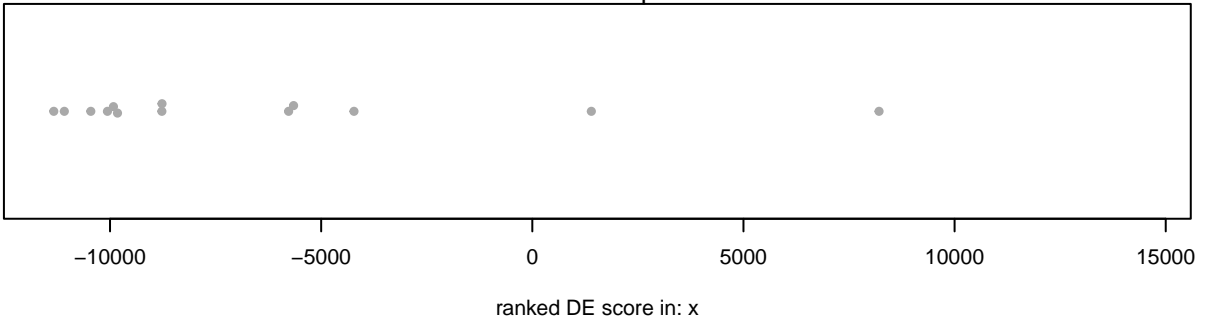


rugplot

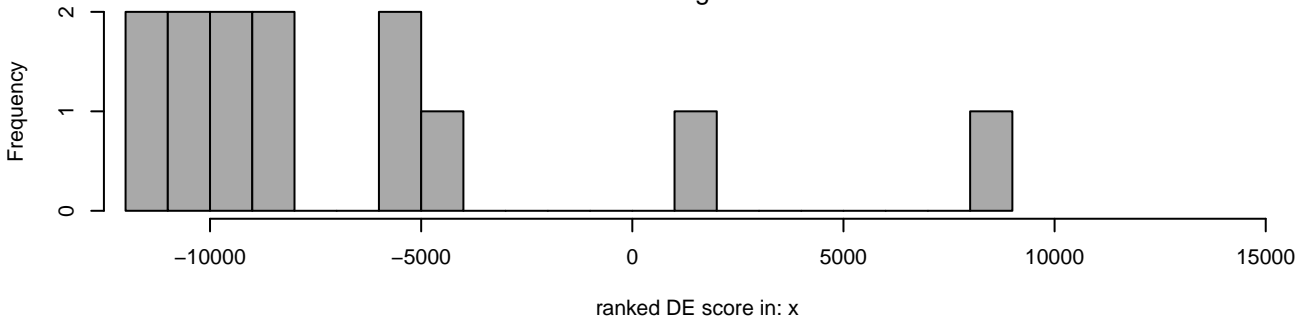


# Activation of RAC1

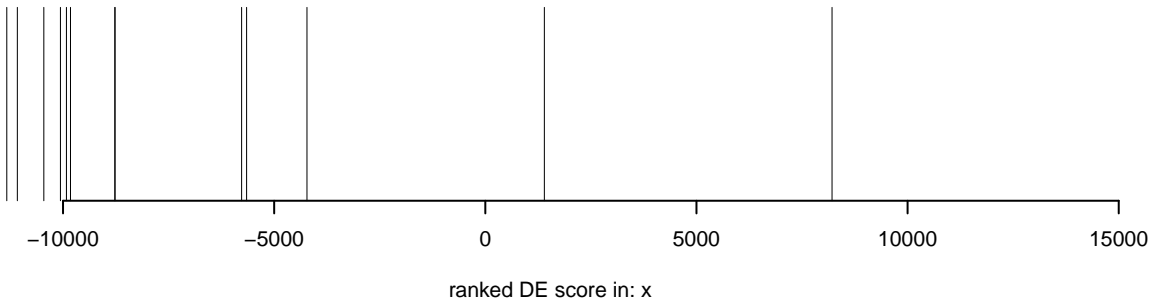
beeswarm plot



histogram



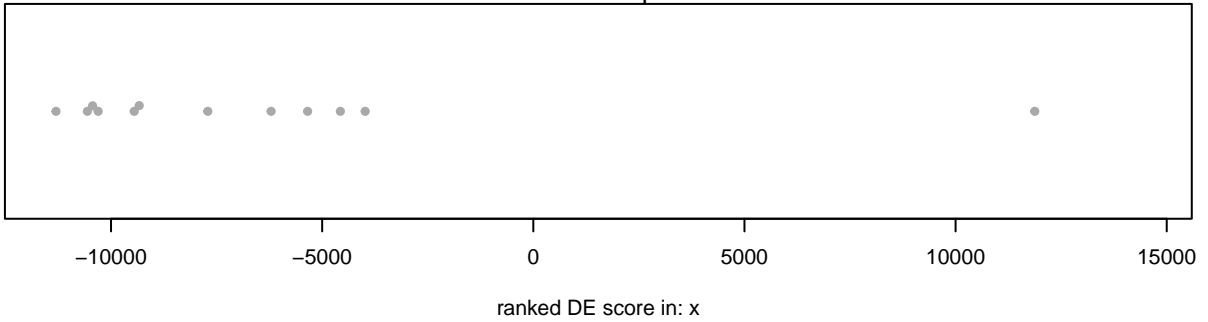
rugplot



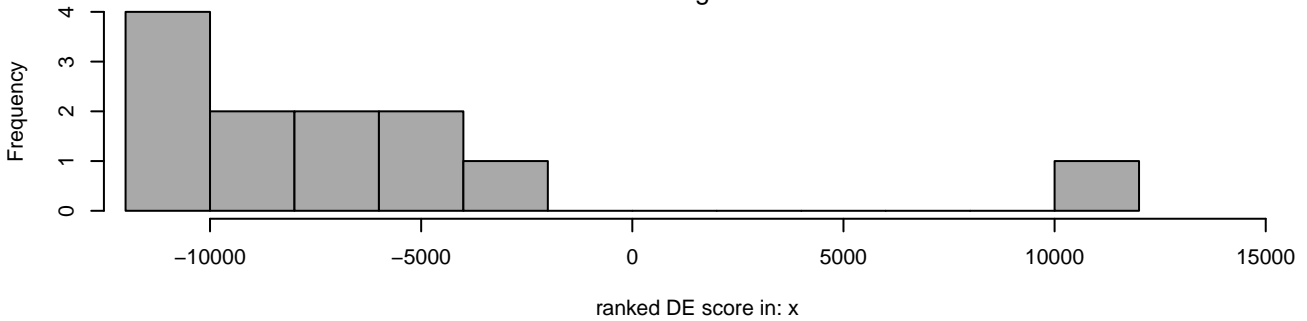


# Regulation of PTEN mRNA translation

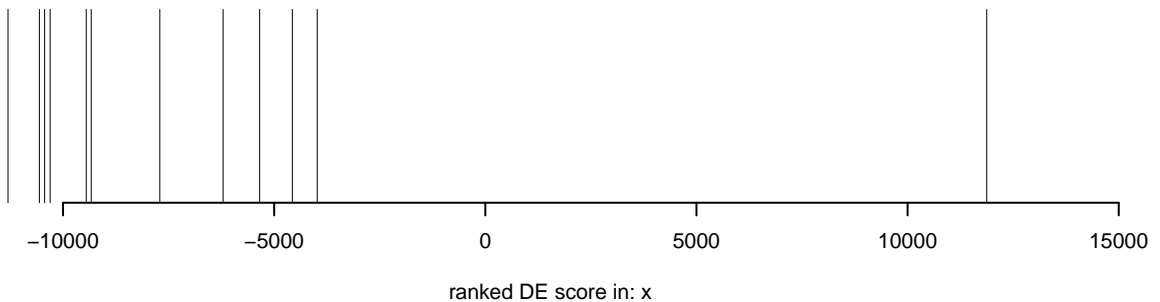
beeswarm plot



histogram

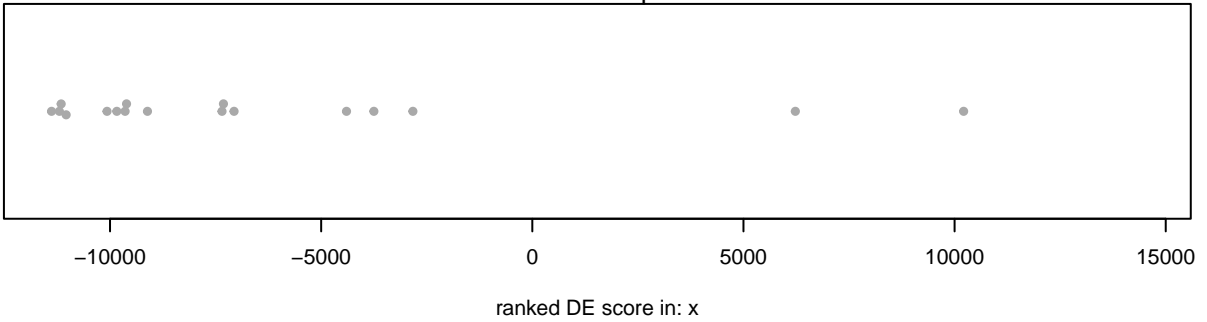


rugplot

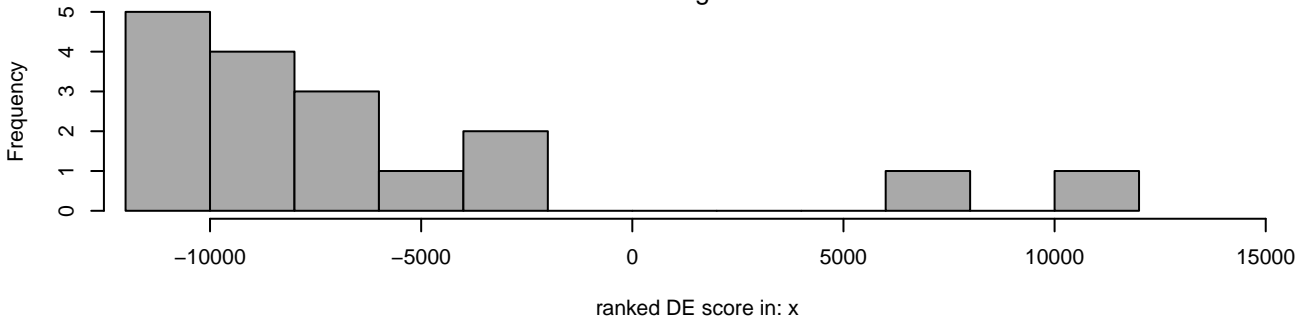


# CTLA4 inhibitory signaling

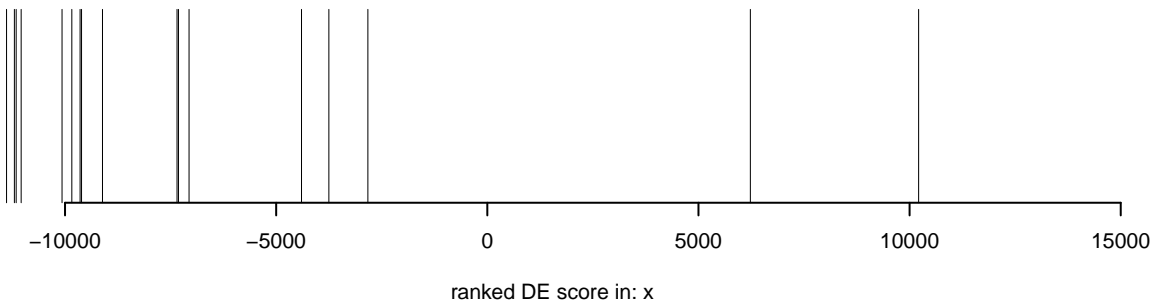
beeswarm plot



histogram

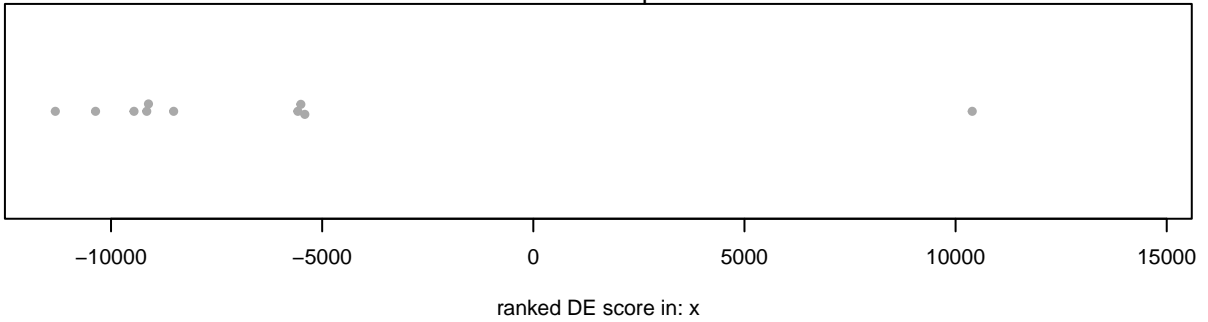


rugplot

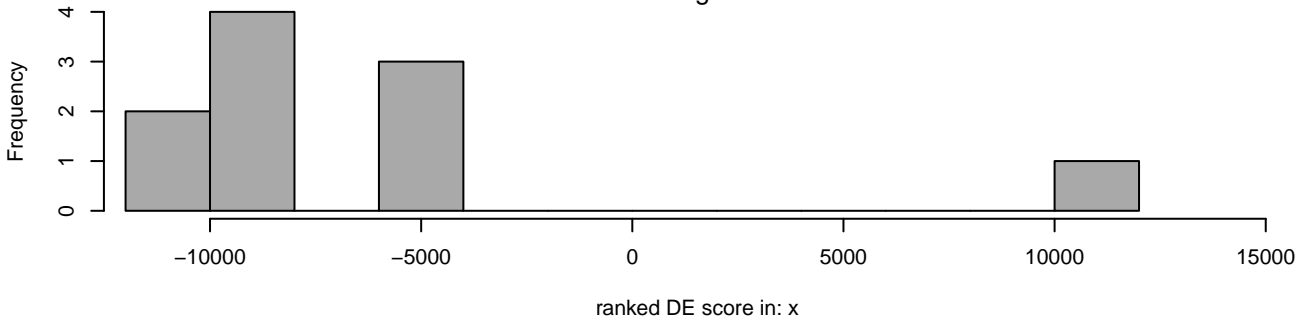


# STAT5 activation downstream of FLT3 ITD mutants

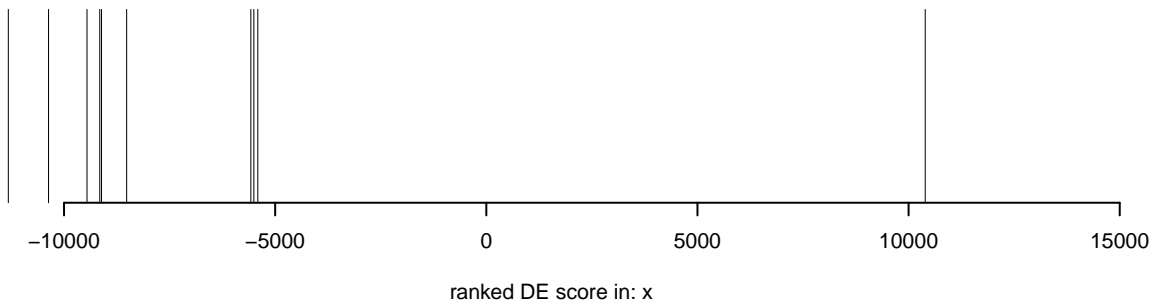
beeswarm plot



histogram

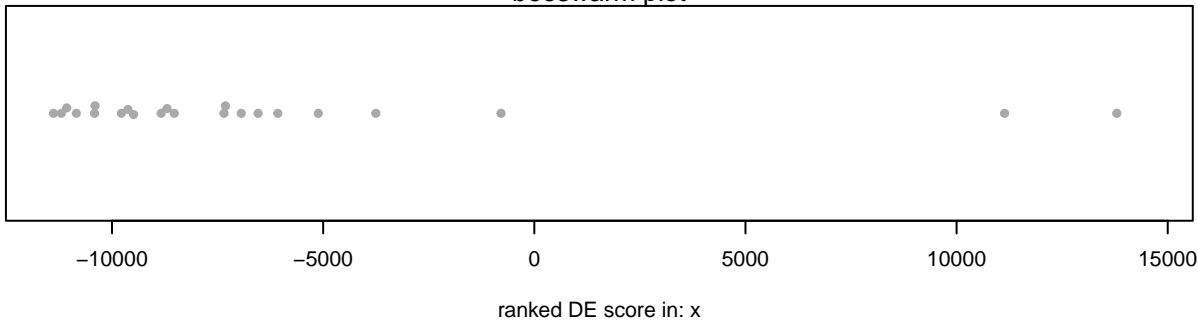


rugplot

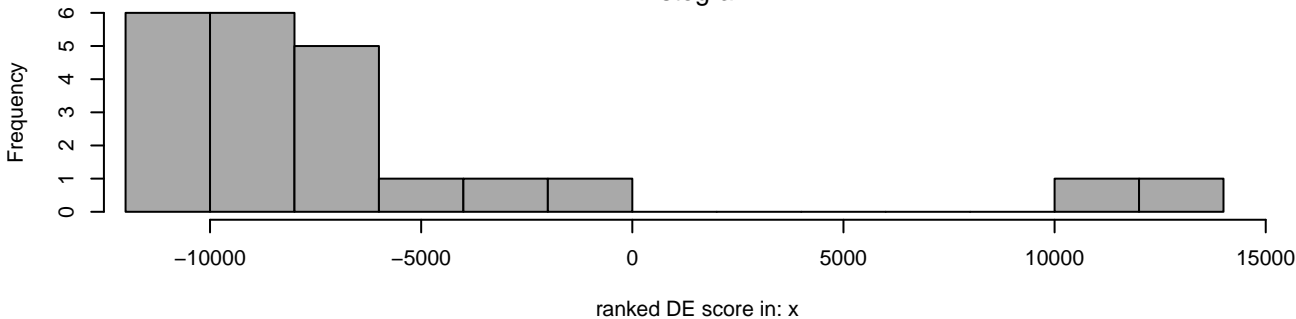


# ERK/MAPK targets

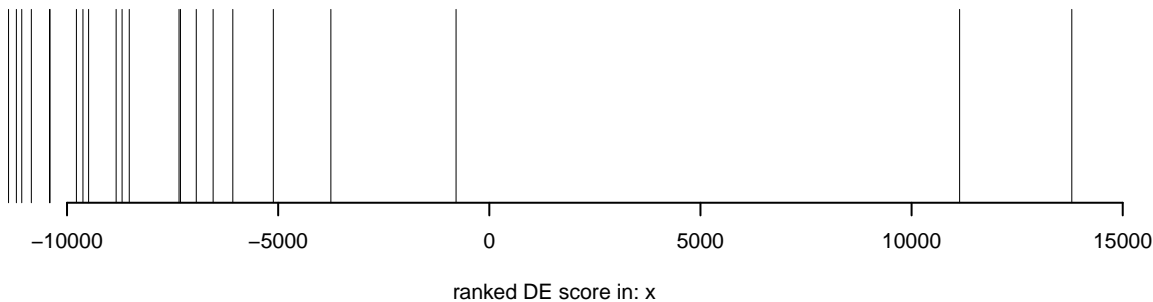
beeswarm plot



histogram

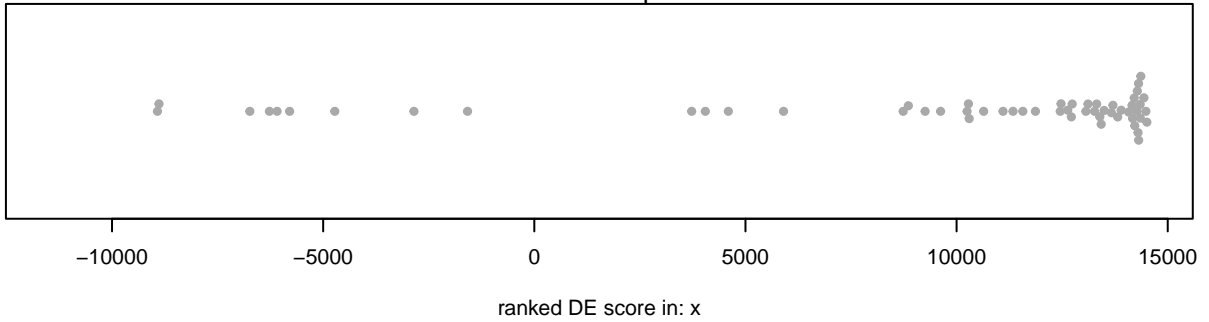


rugplot

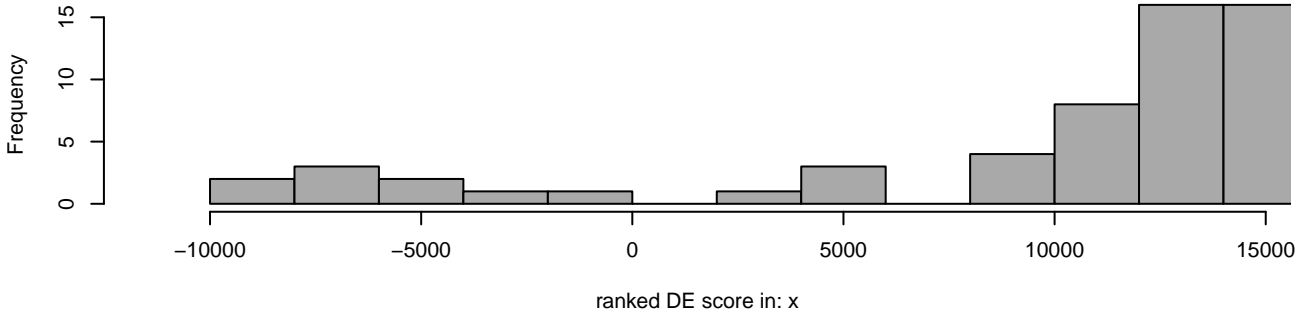


# Complex I biogenesis

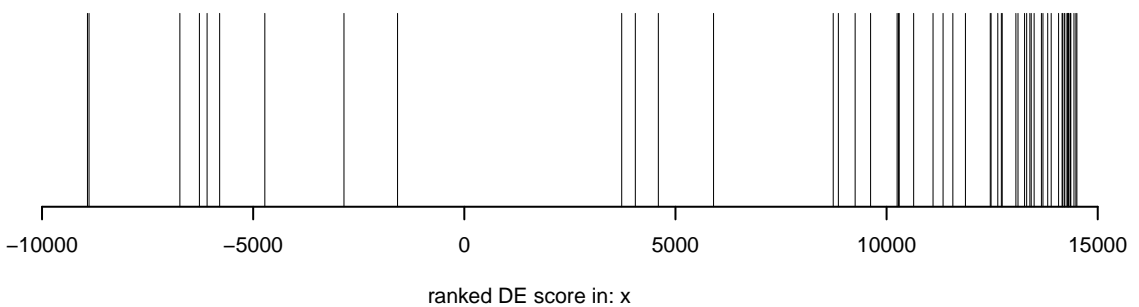
beeswarm plot



histogram

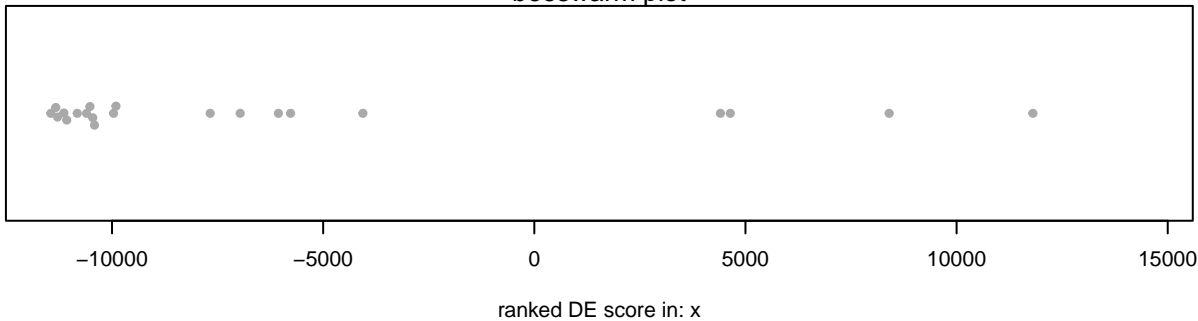


rugplot

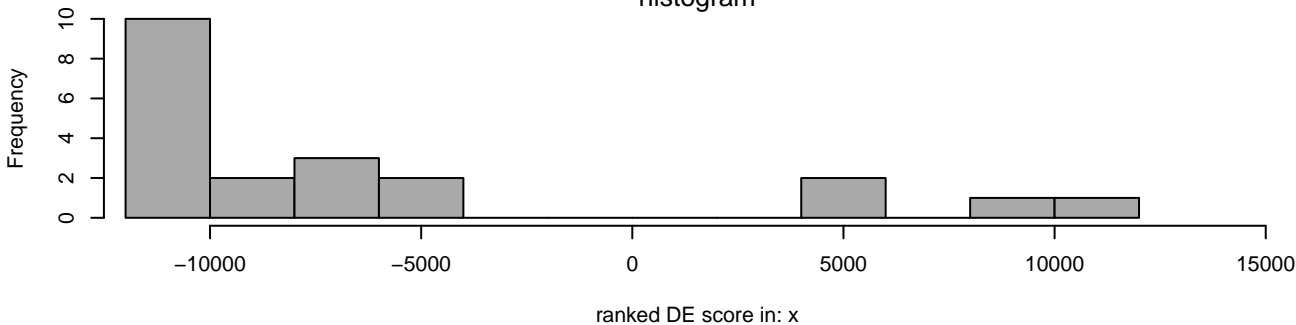


# Signal transduction by L1

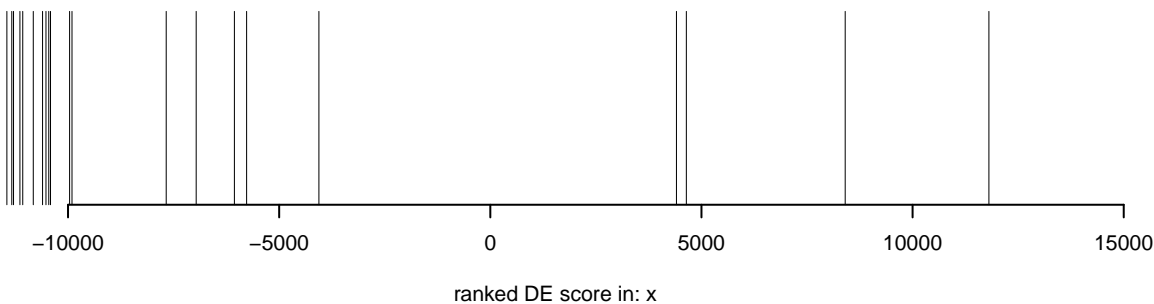
beeswarm plot



histogram

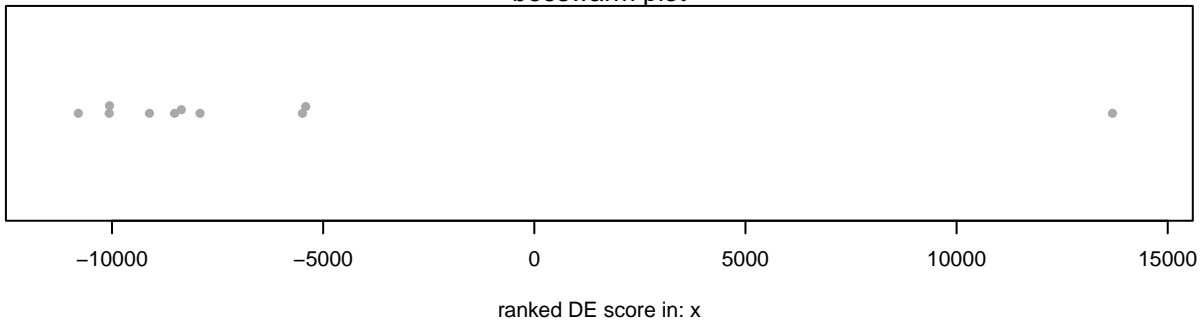


rugplot

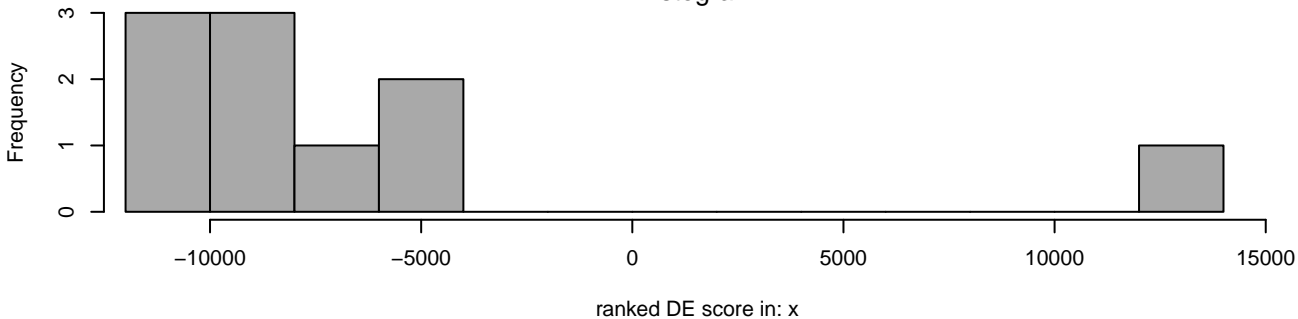


# Signaling by Leptin

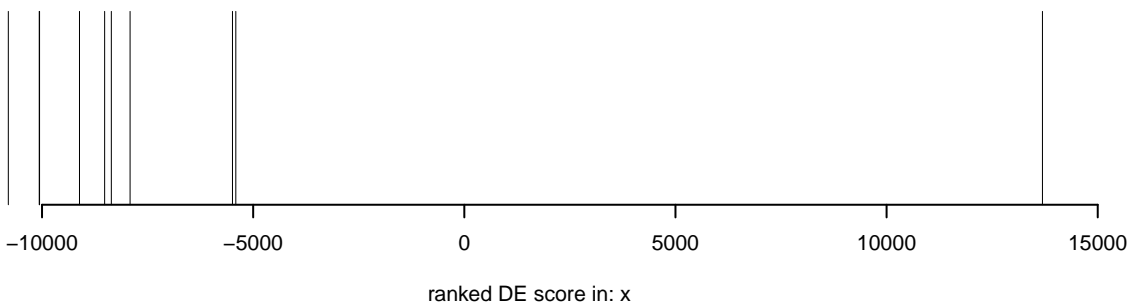
beeswarm plot



histogram

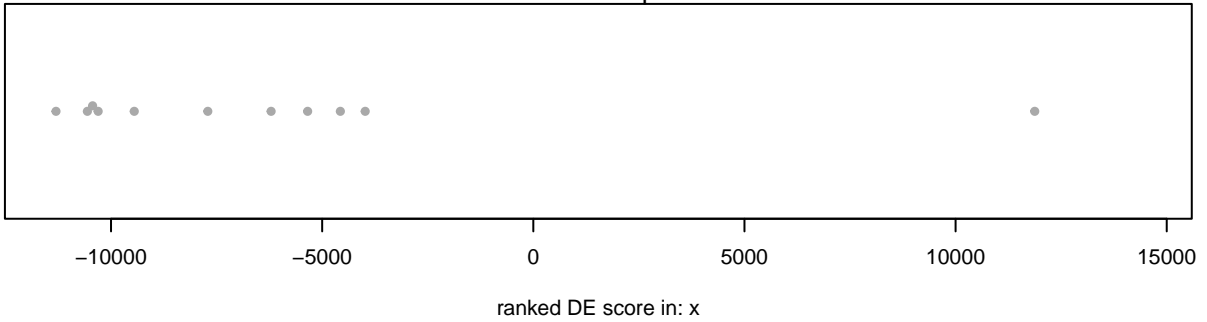


rugplot

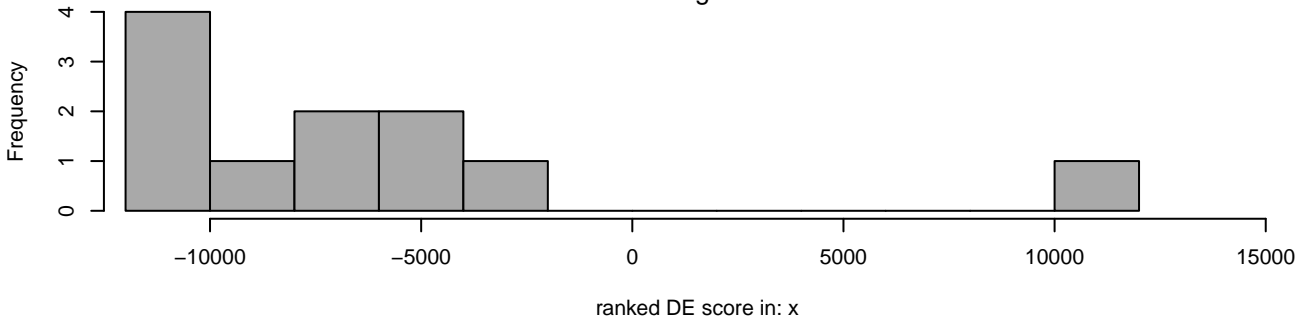


# Competing endogenous RNAs (ceRNAs) regulate PTEN translation

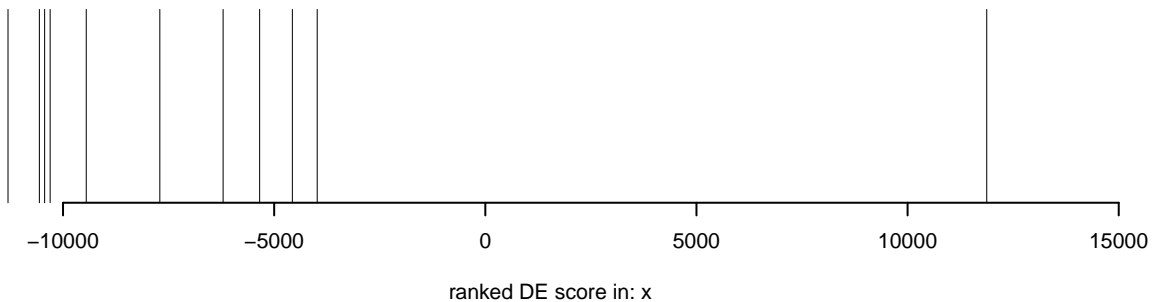
beeswarm plot



histogram



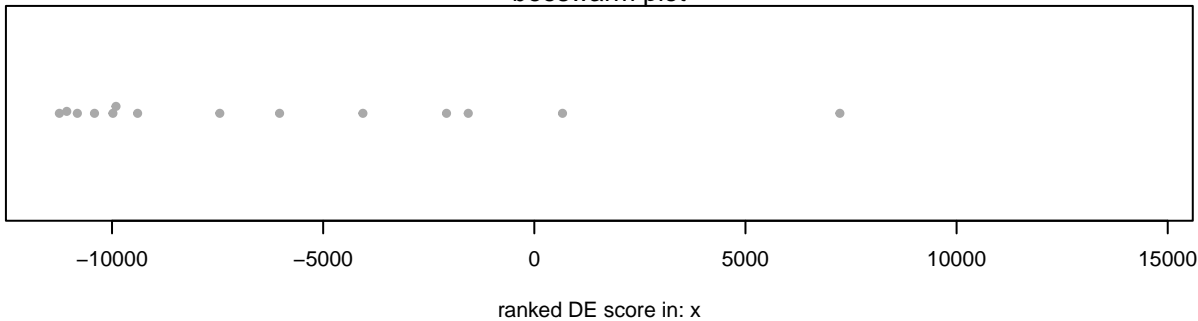
rugplot



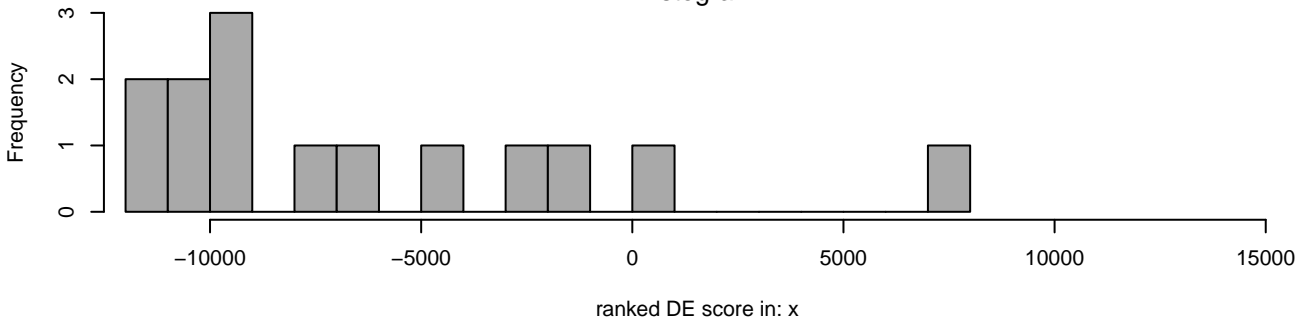


# Prolonged ERK activation events

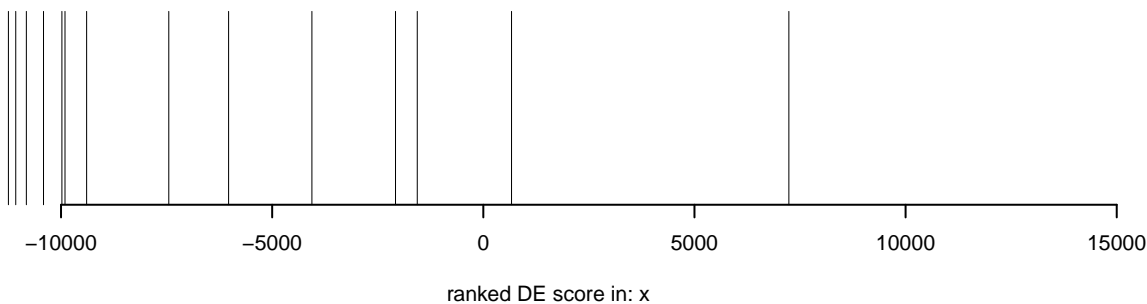
beeswarm plot



histogram

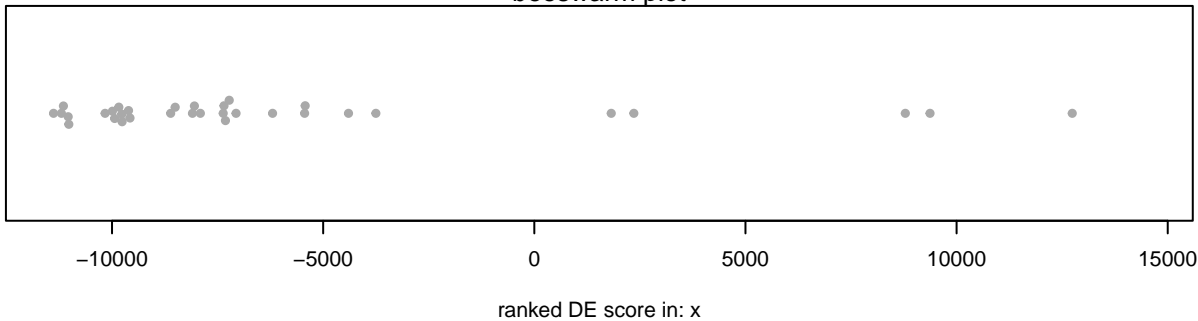


rugplot

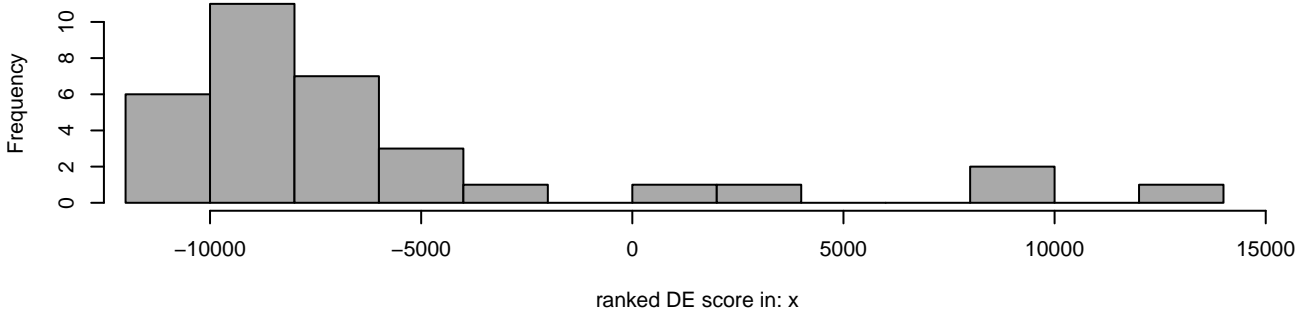


# Signaling by WNT in cancer

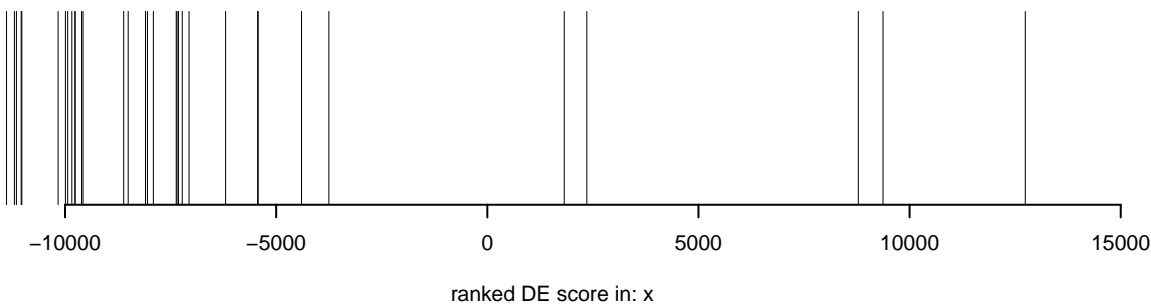
beeswarm plot



histogram

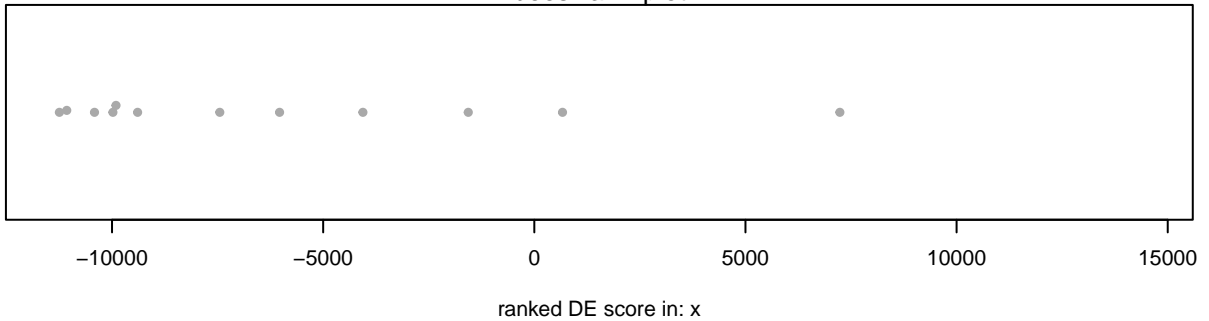


rugplot

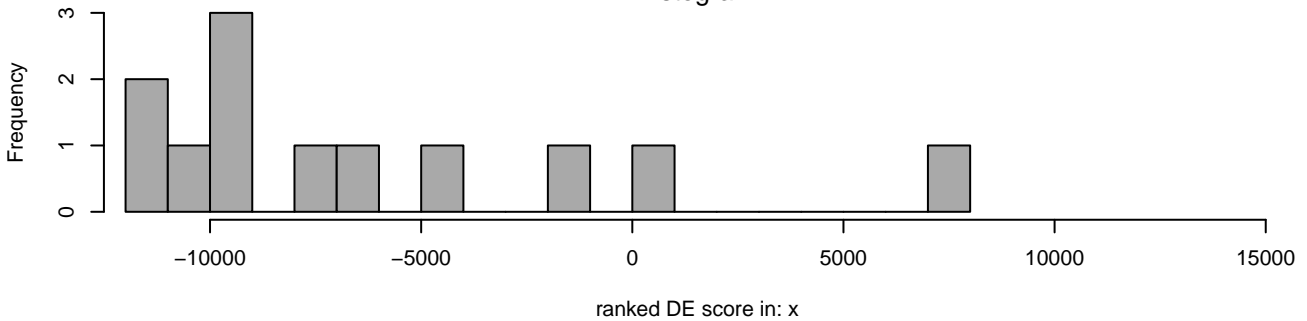


# Frs2-mediated activation

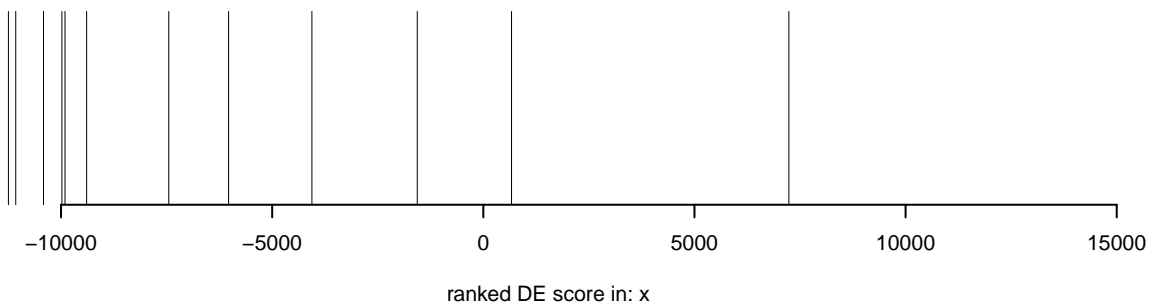
beeswarm plot



histogram

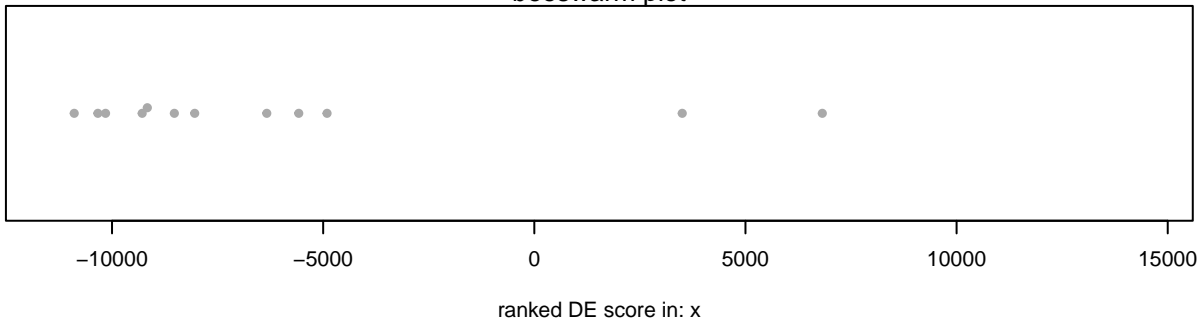


rugplot

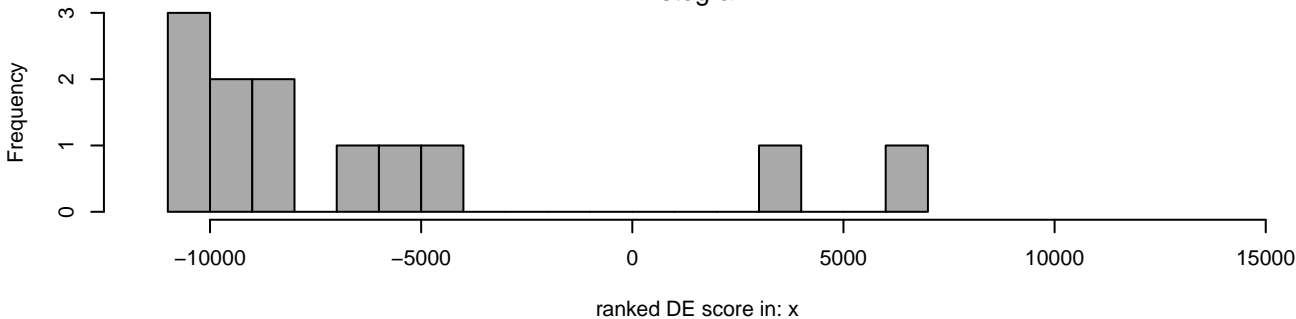


# YAP1- and WWTR1 (TAZ)-stimulated gene expression

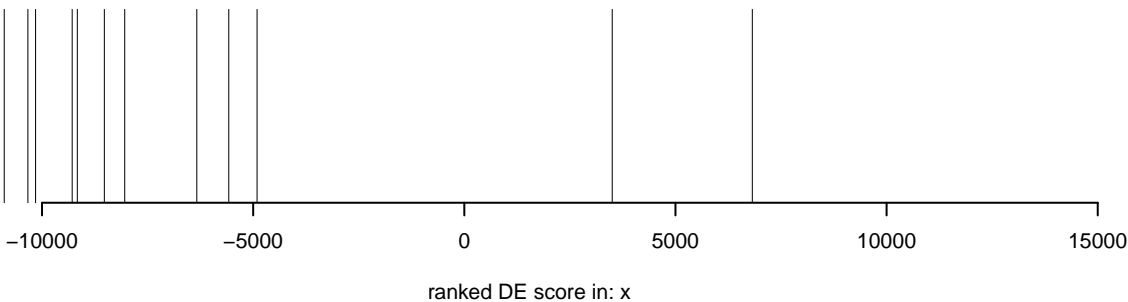
beeswarm plot



histogram

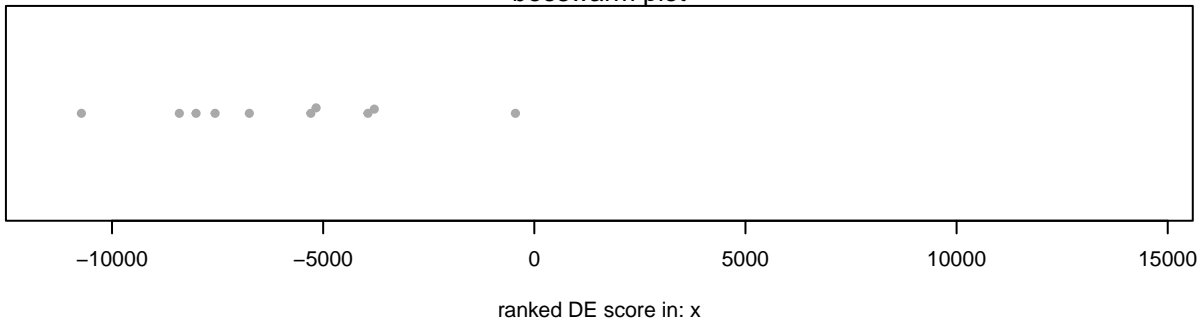


rugplot

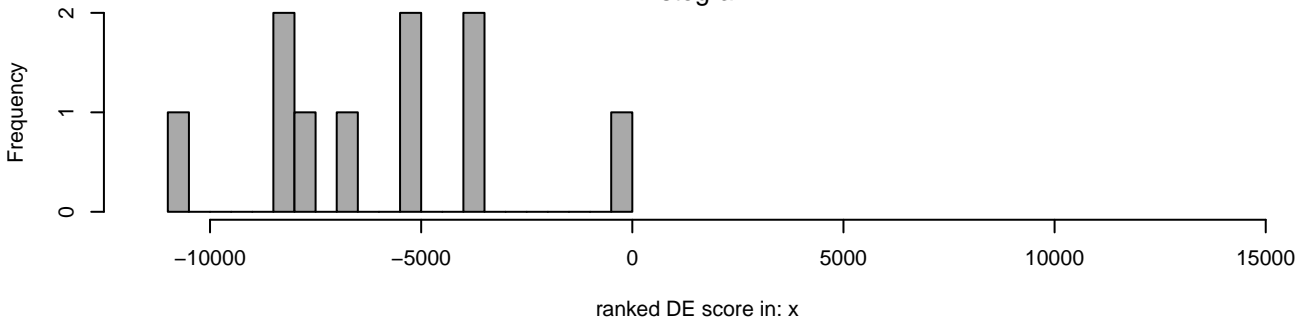


# Synthesis of bile acids and bile salts via 27-hydroxycholesterol

beeswarm plot



histogram



rugplot

