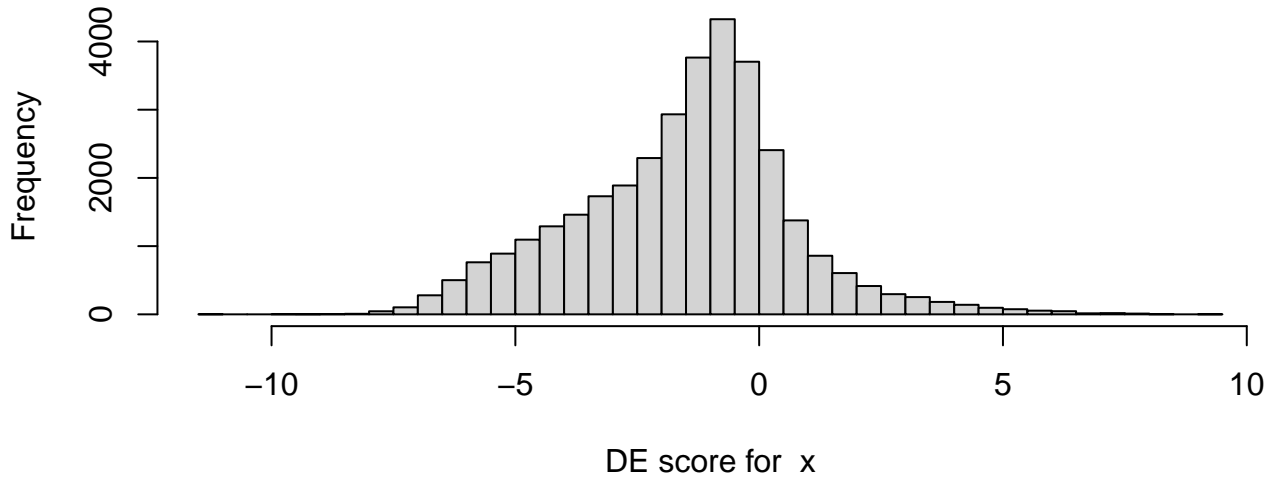


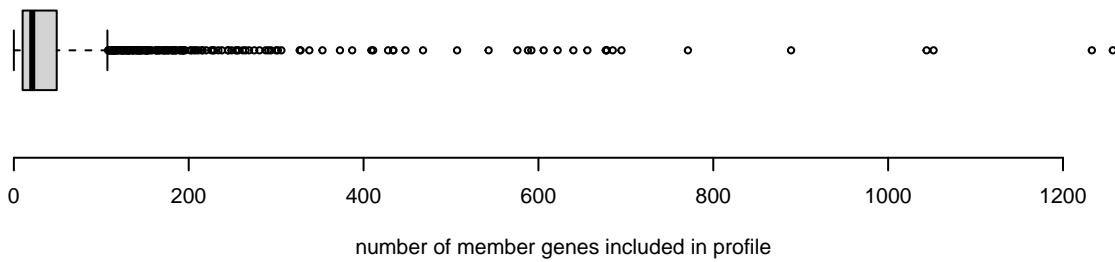
Distribution of DE scores



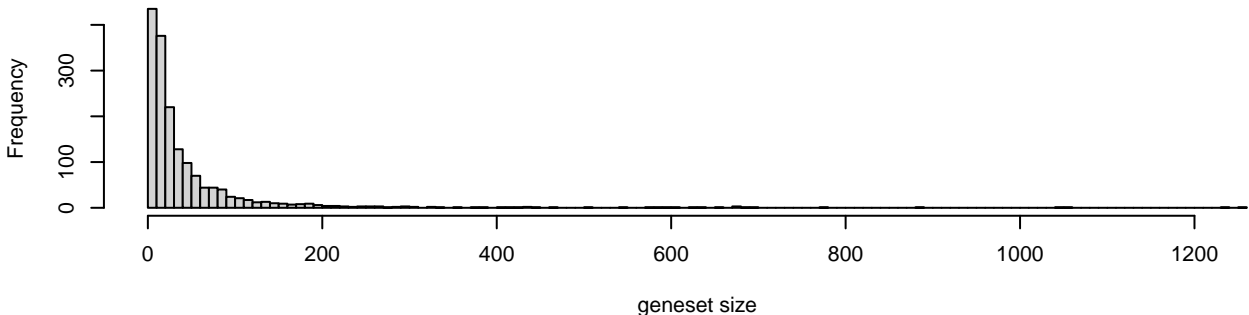
33930 genes in total, 6852 trending up-regulated, 27078 trending down-regulated



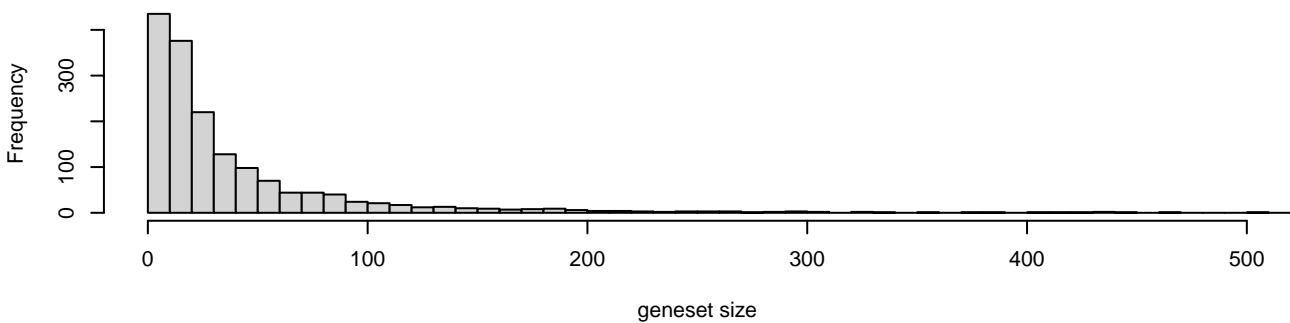
Gene set size



Histogram of geneset size

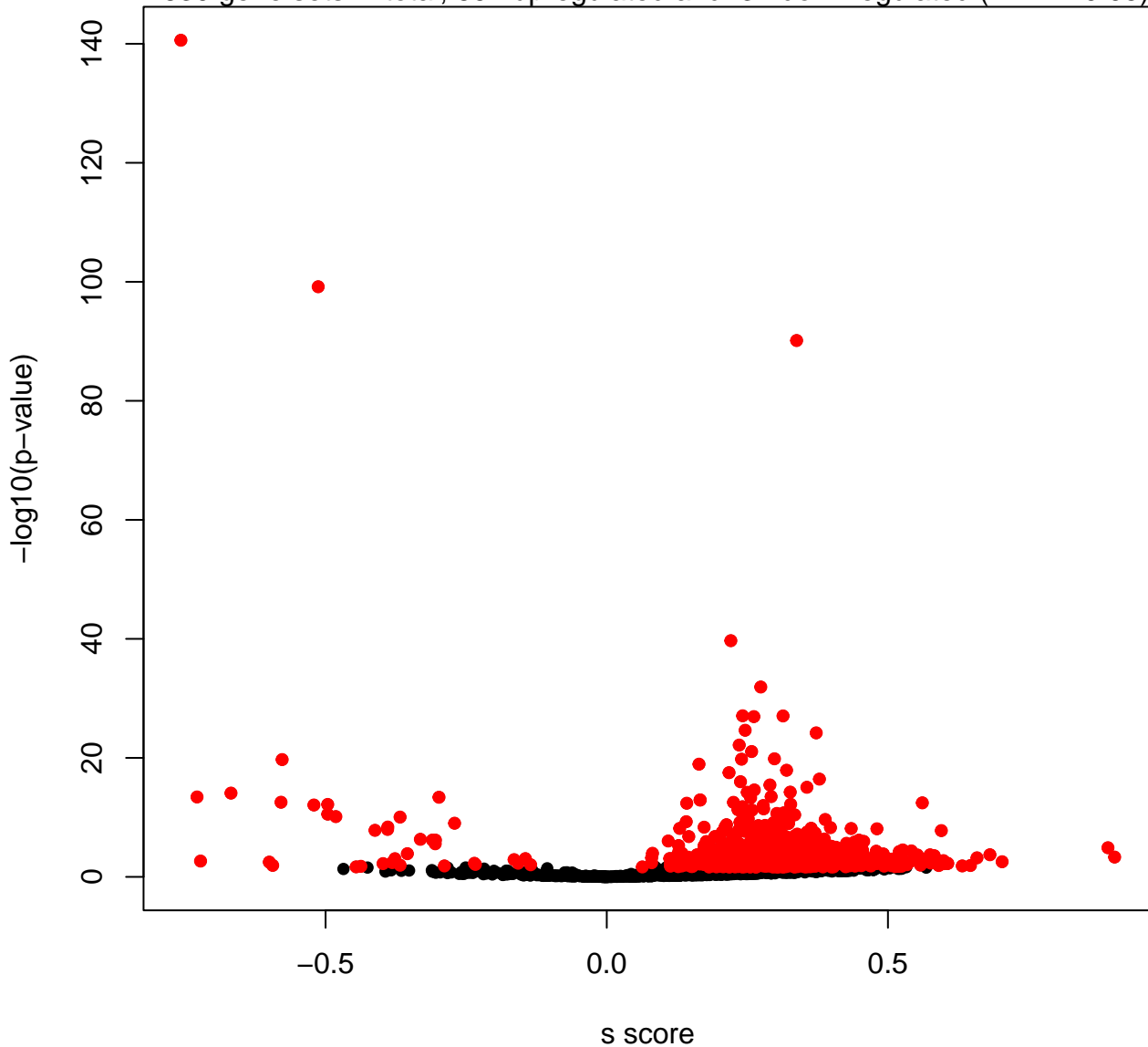


Trimmed histogram of geneset size



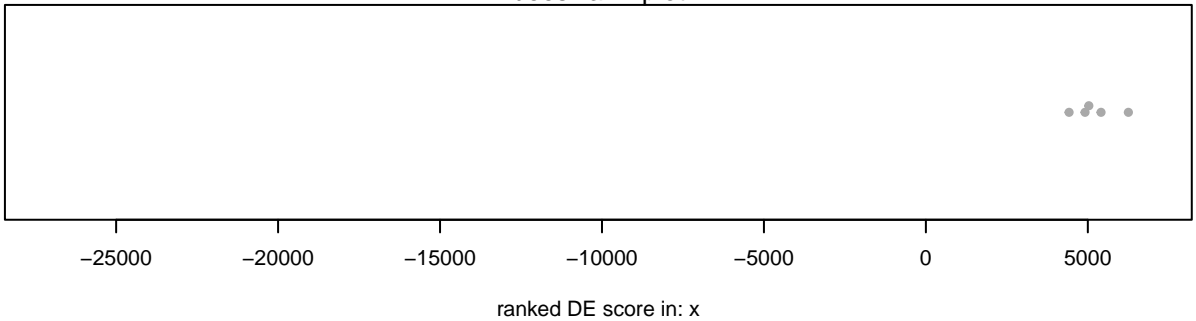
volcano plot of gene set enrichments

1630 gene sets in total, 691 upregulated and 37 downregulated (FDR<=0.05)

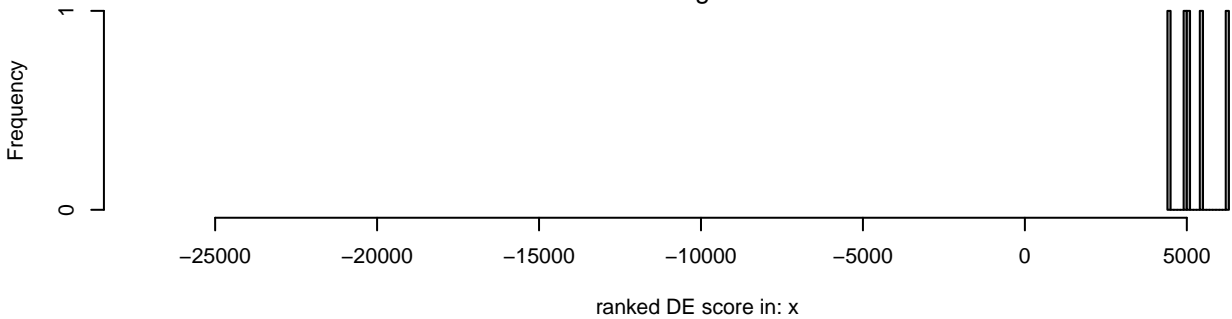


REACTOME_FORMATION_OF_LATERAL_PLATE_MESODERM

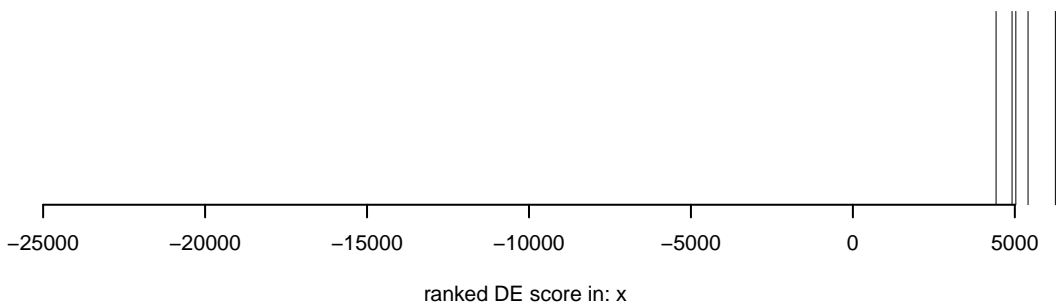
beeswarm plot



histogram

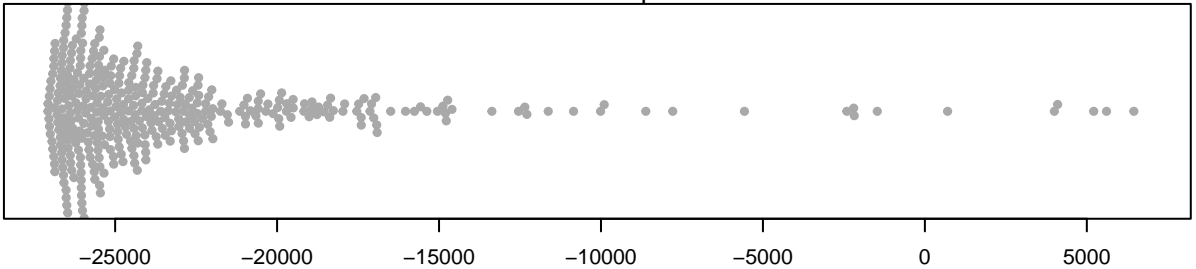


rugplot



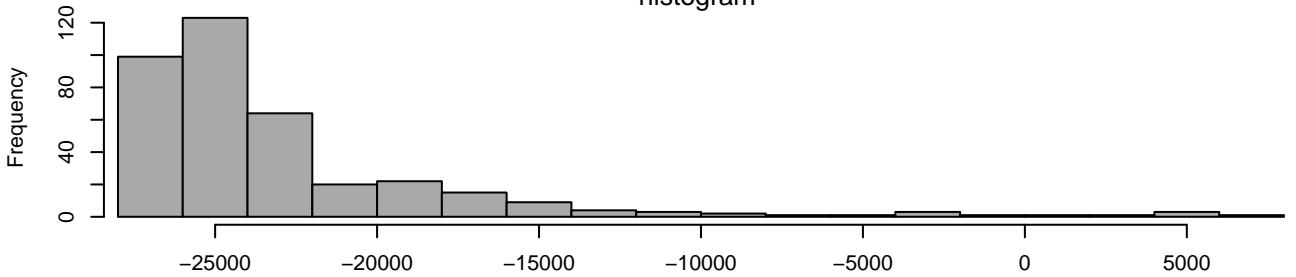
REACTOME_OLFACTORY_SIGNALING_PATHWAY

beeswarm plot



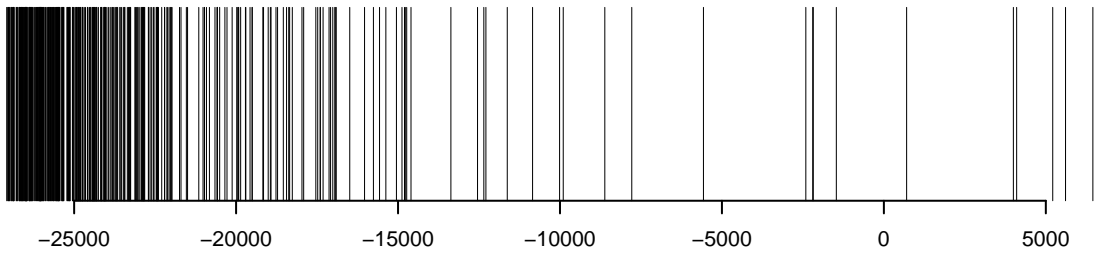
ranked DE score in: x

histogram



ranked DE score in: x

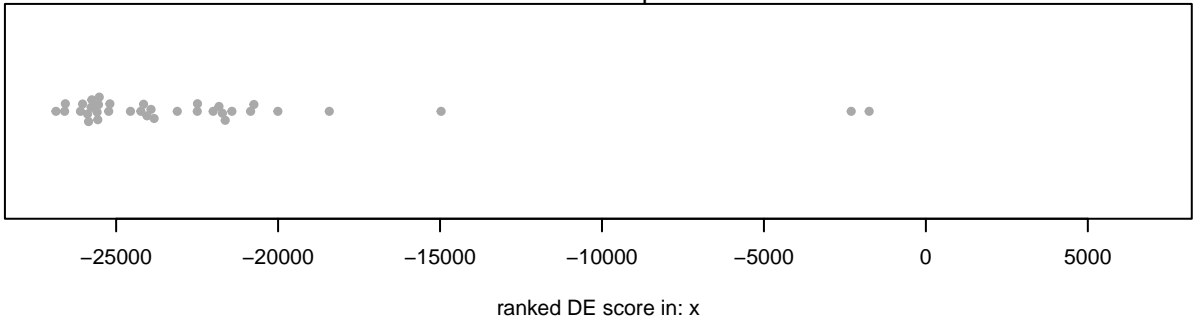
rugplot



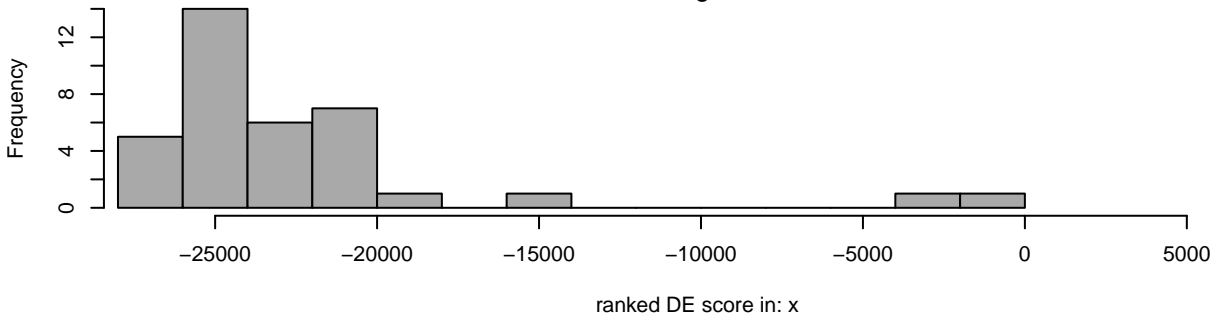
ranked DE score in: x

REACTOME_BETA_DEFENSINS

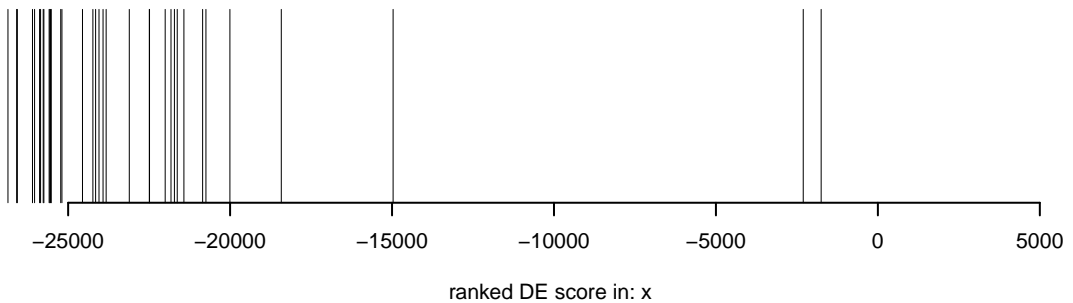
beeswarm plot



histogram

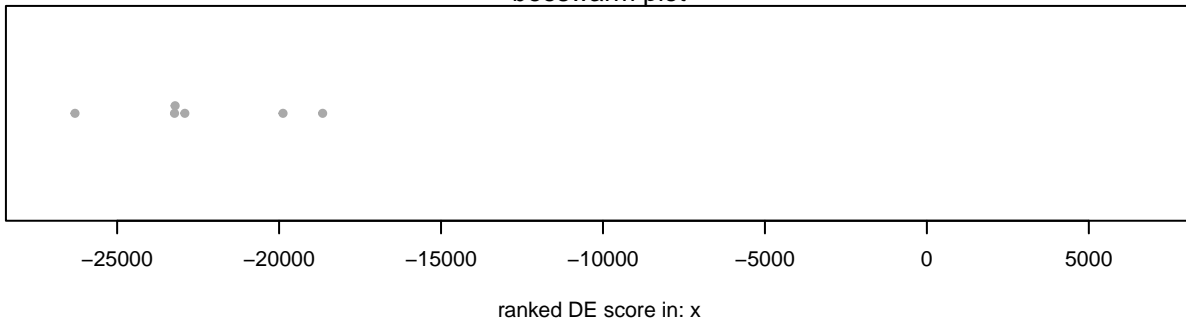


rugplot

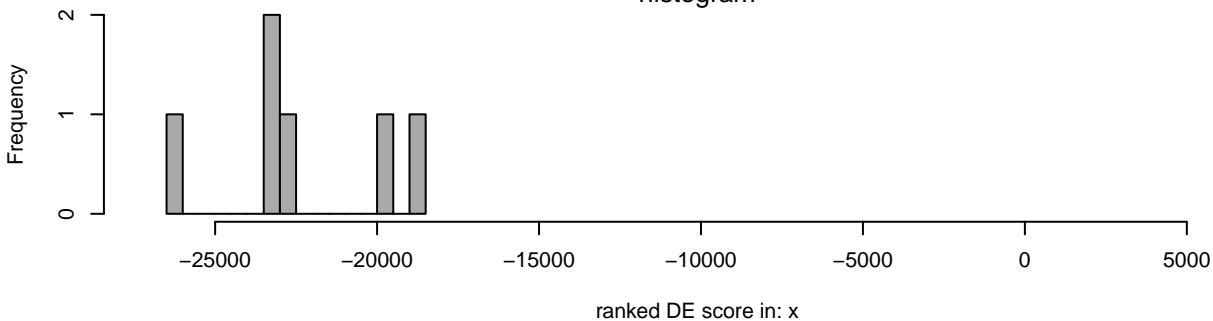


REACTOME_METAL_SEQUESTRATION_BY_ANTIMICROBIAL_PROTEINS

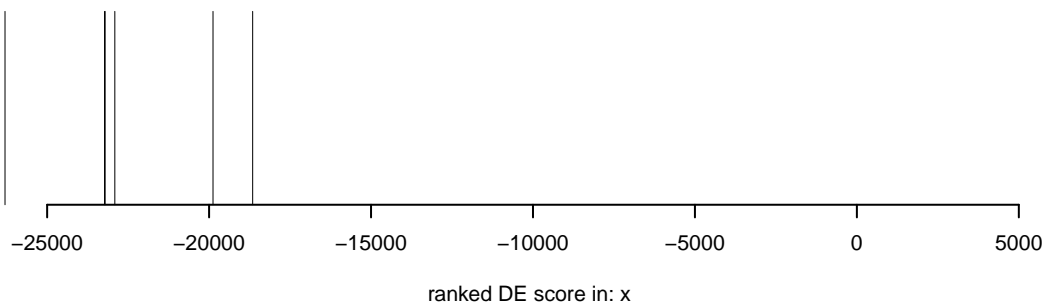
beeswarm plot



histogram

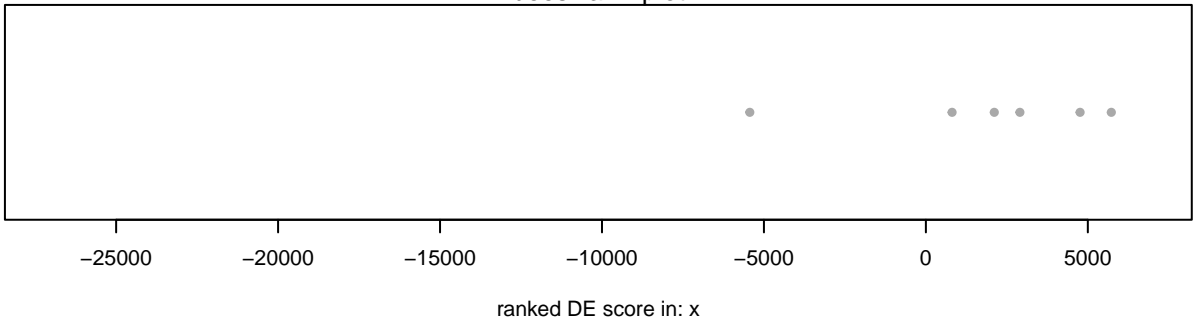


rugplot

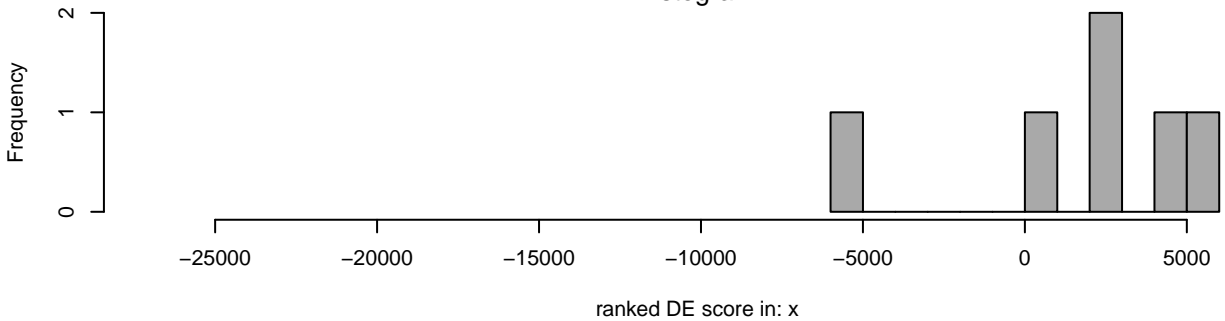


REACTOME_VITAMINS

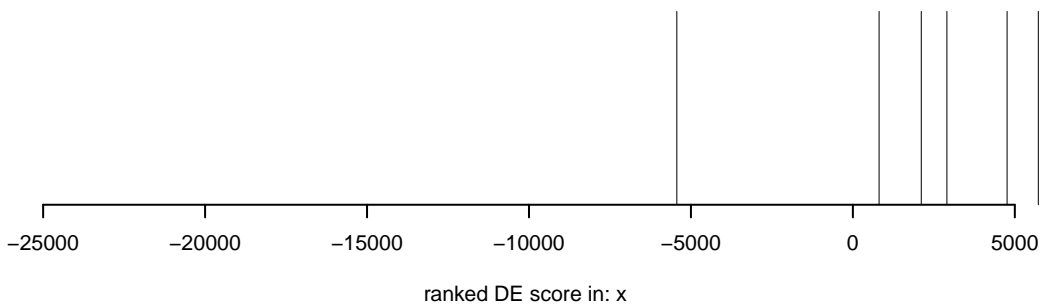
beeswarm plot



histogram

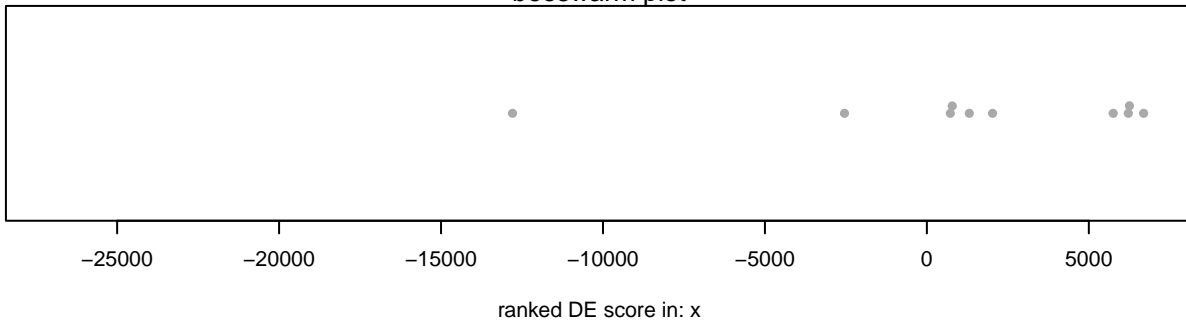


rugplot

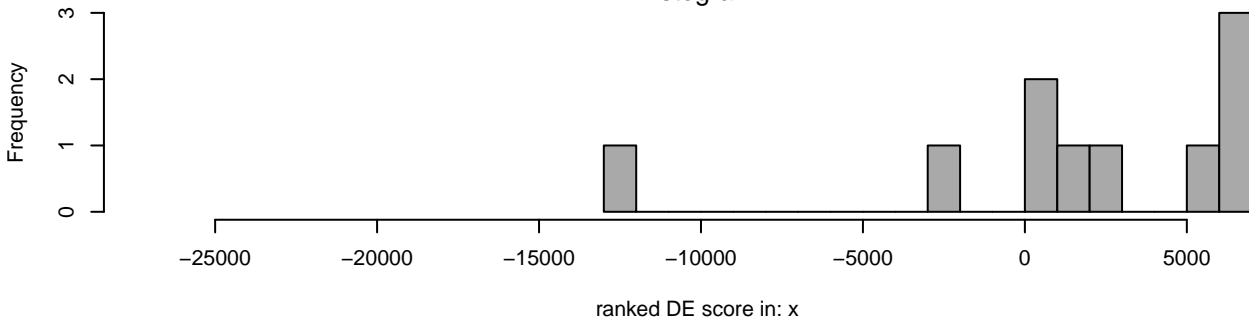


ACTOME_POU5F1_OCT4_SOX2_NANOG_REPRESS_GENES_RELATED_TO_DIFFERENTIATION

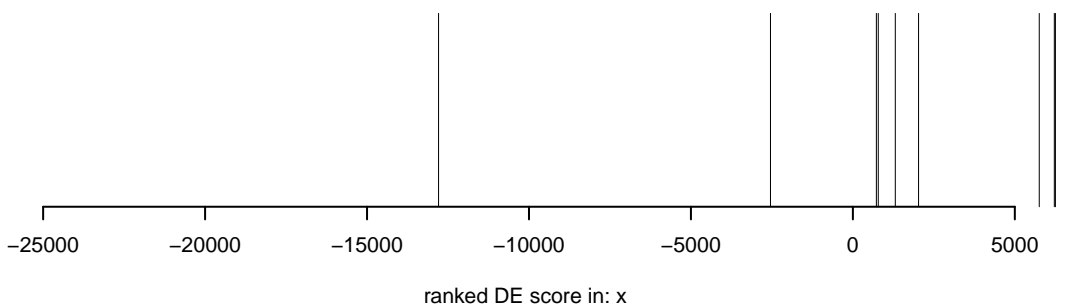
beeswarm plot



histogram

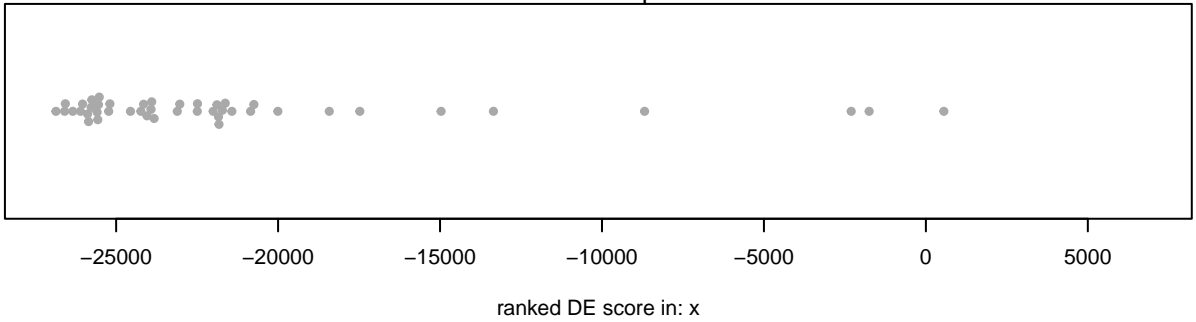


rugplot

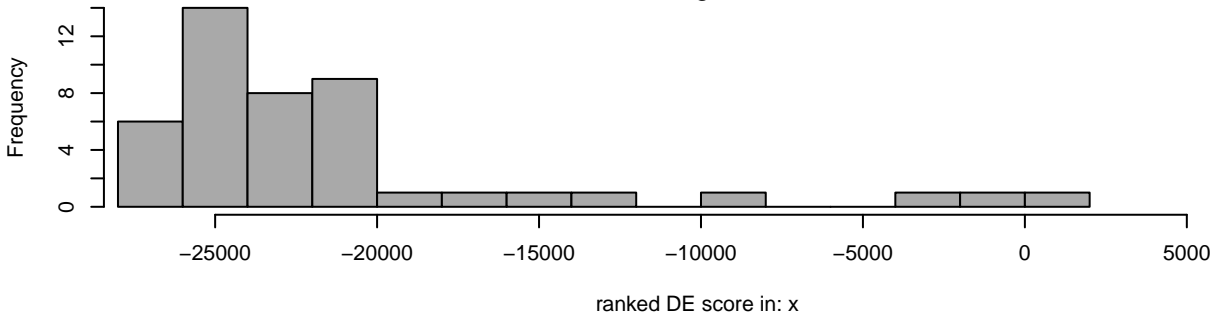


REACTOME_DEFENSINS

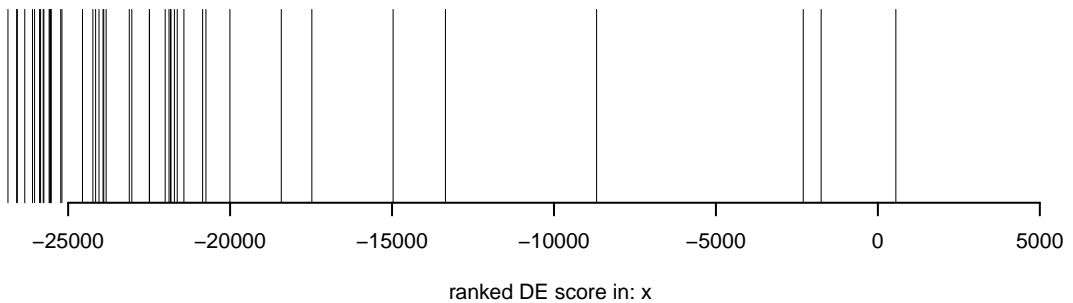
beeswarm plot



histogram

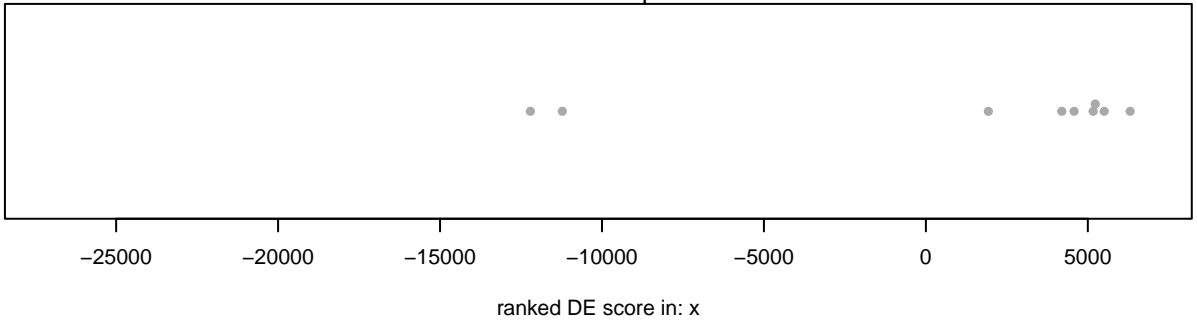


rugplot

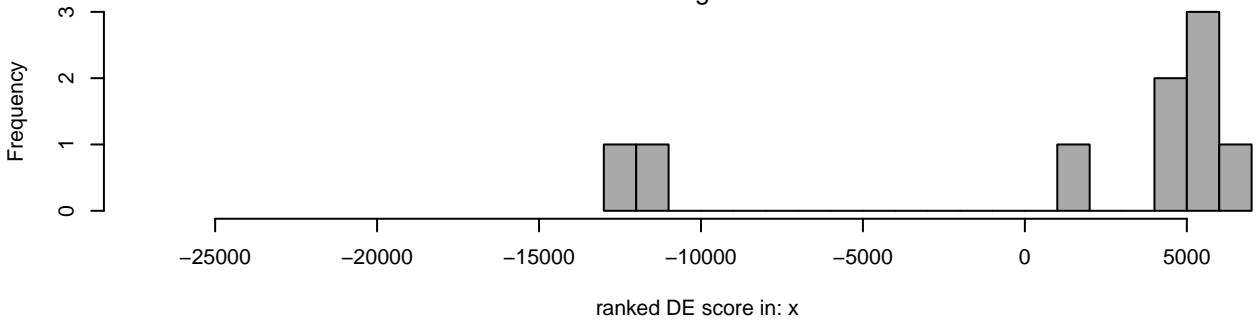


REACTOME_ADRENOCEPTORS

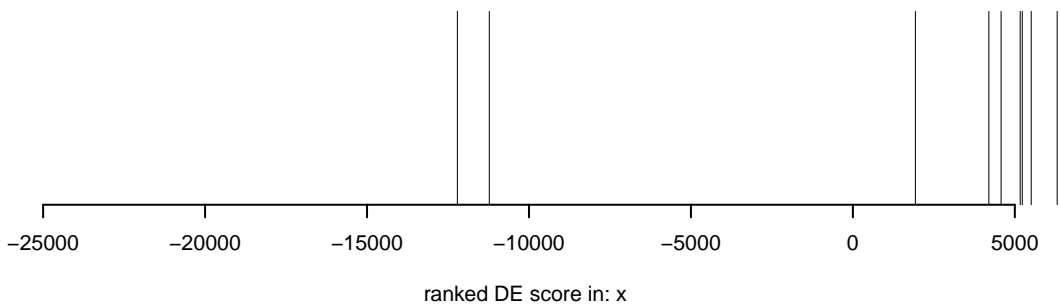
beeswarm plot



histogram

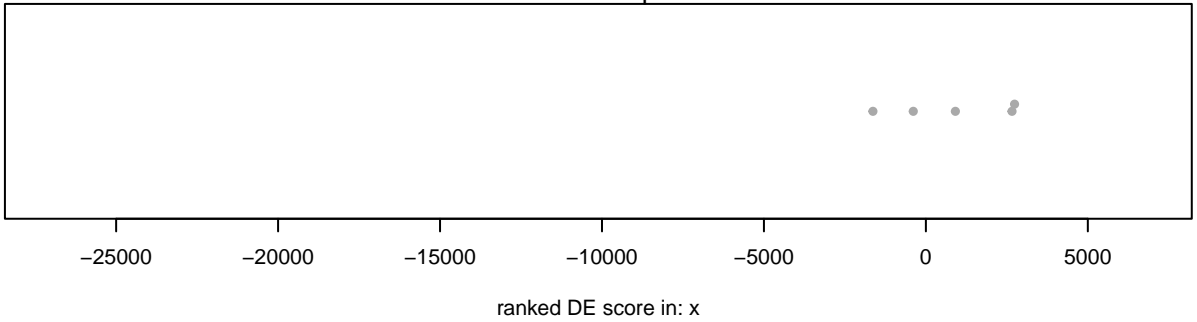


rugplot

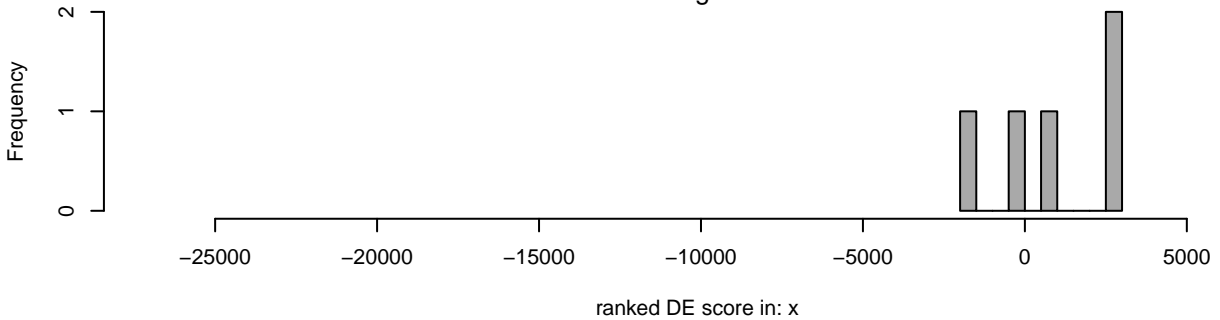


REACTOME_FBXW7_MUTANTS_AND_NOTCH1_IN_CANCER

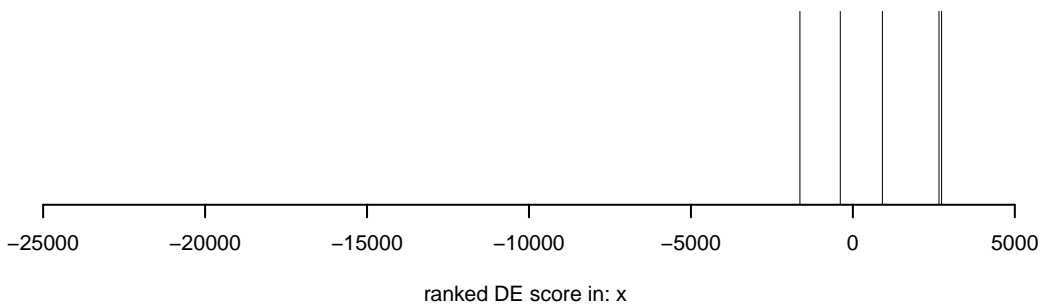
beeswarm plot



histogram

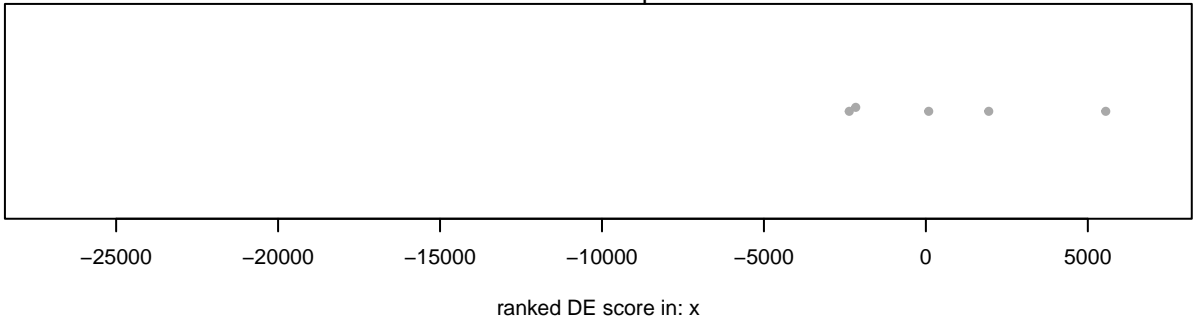


rugplot

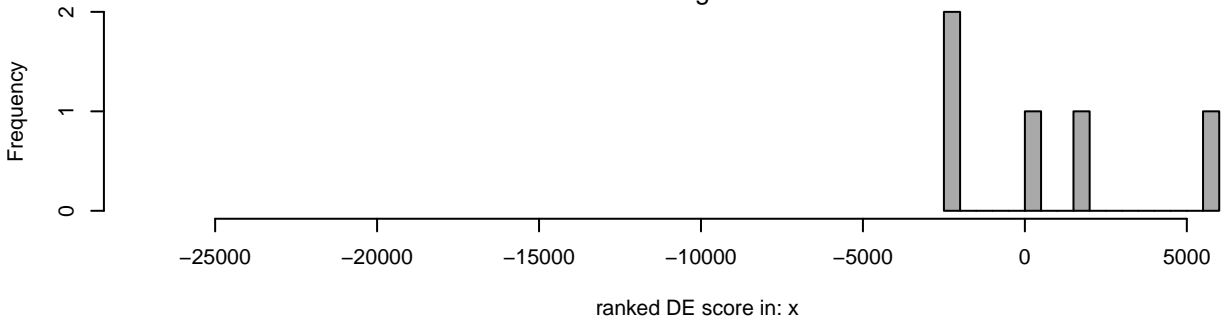


REACTOME_G2_PHASE

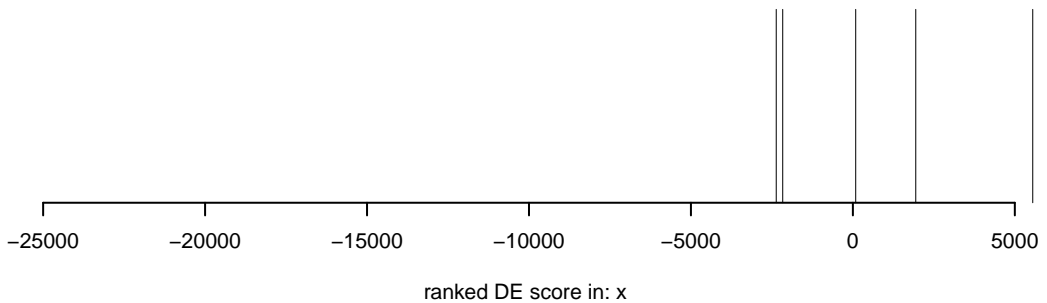
beeswarm plot



histogram

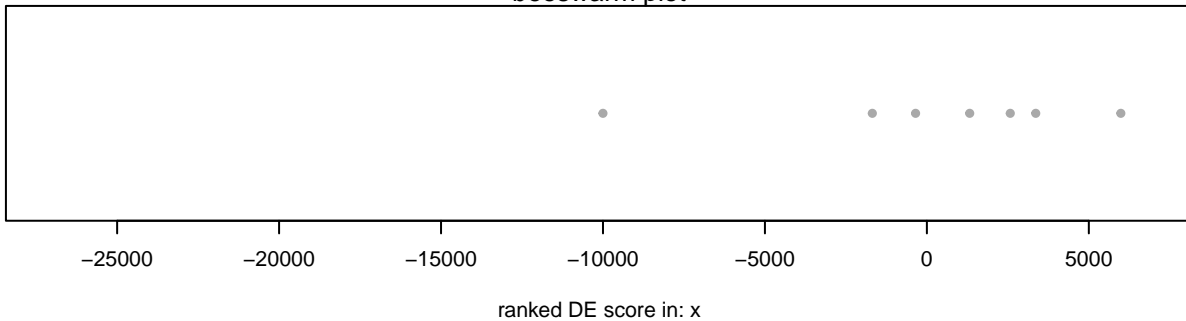


rugplot

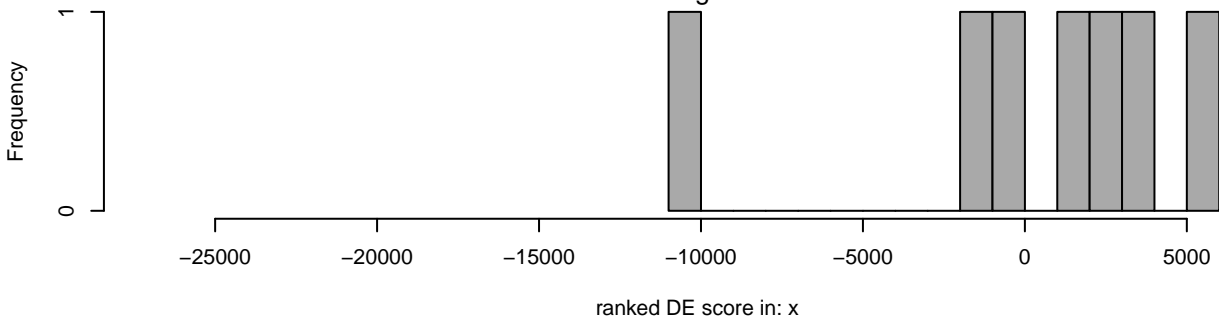


REACTOME_INTERLEUKIN_9_SIGNALING

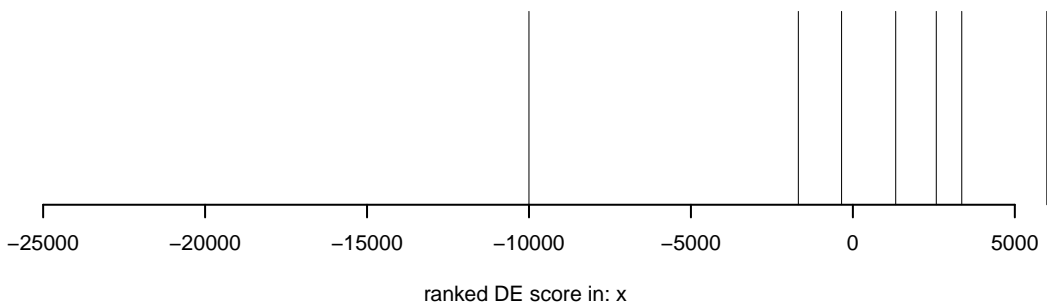
beeswarm plot



histogram

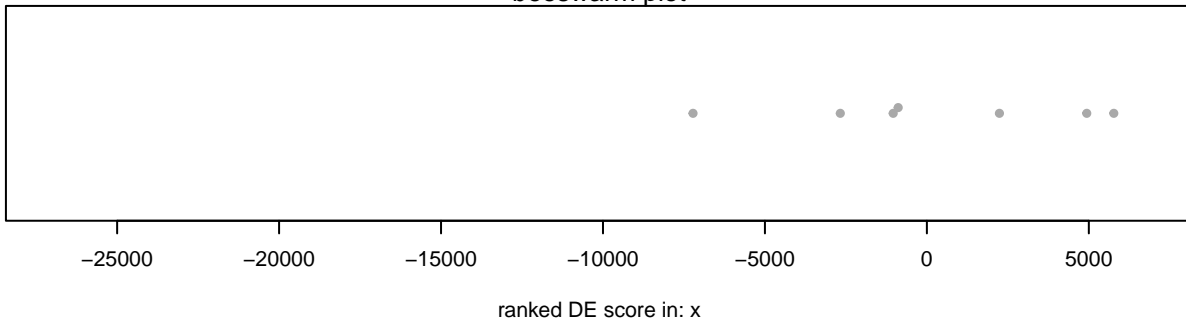


rugplot

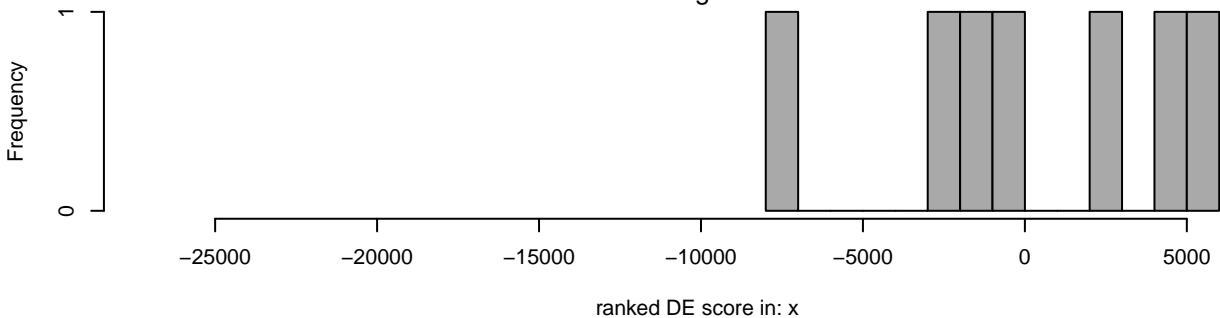


REACTOME_DEFECTIVE_CHST3_CAUSES_SEDCJD

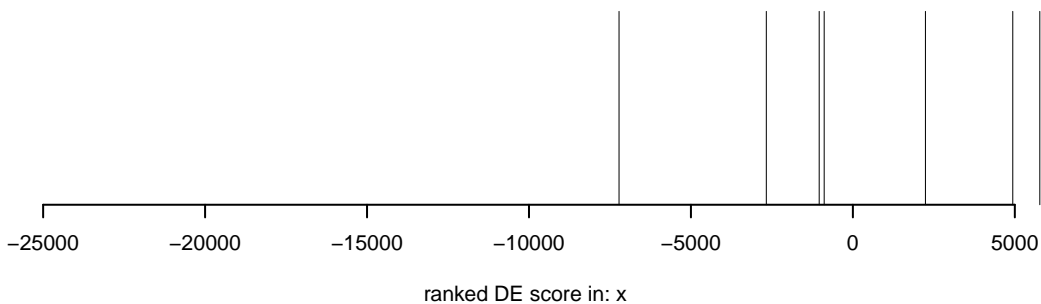
beeswarm plot



histogram

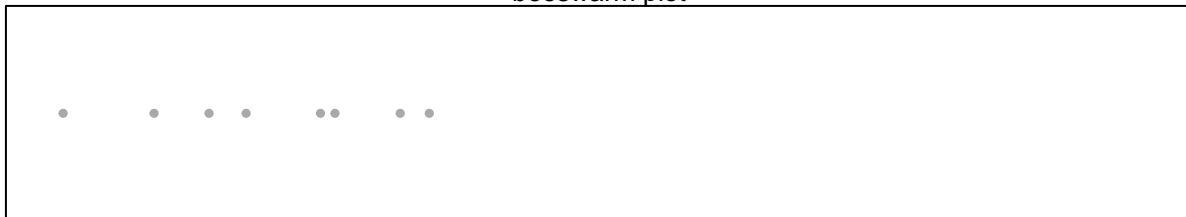


rugplot



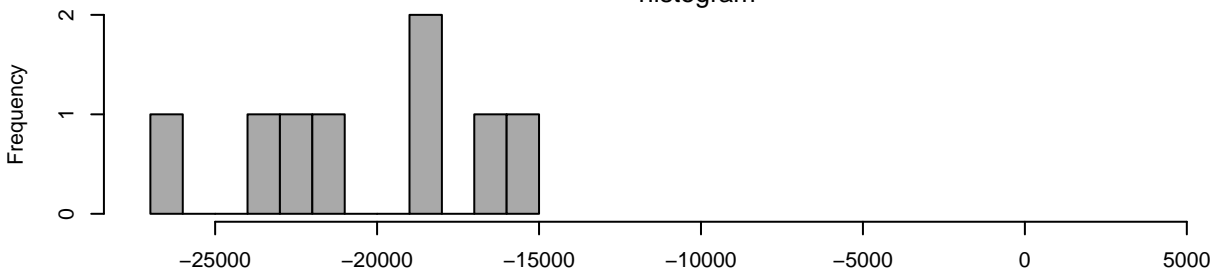
REACTOME_DIGESTION_OF_DIETARY_CARBOHYDRATE

beeswarm plot



ranked DE score in: x

histogram



Frequency

ranked DE score in: x

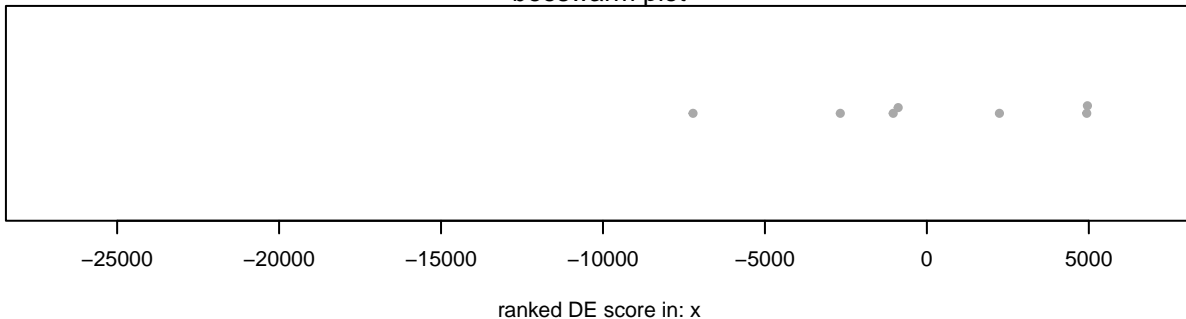
rugplot



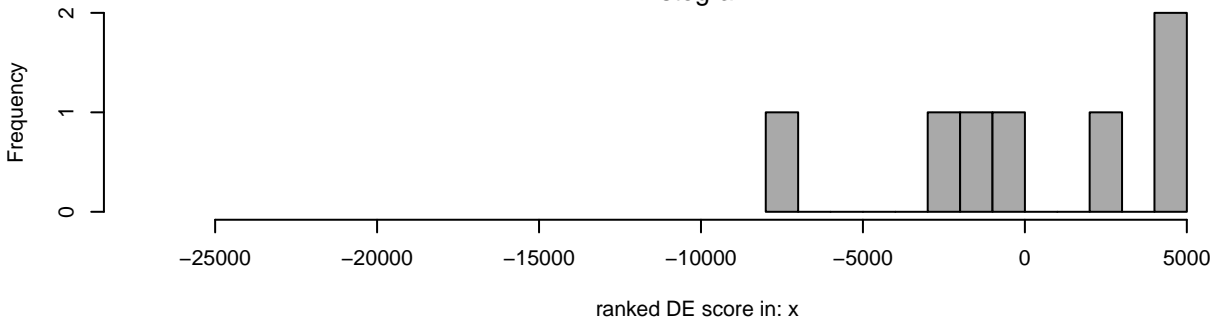
ranked DE score in: x

REACTOME_DEFECTIVE_CHSY1_CAUSES_TPBS

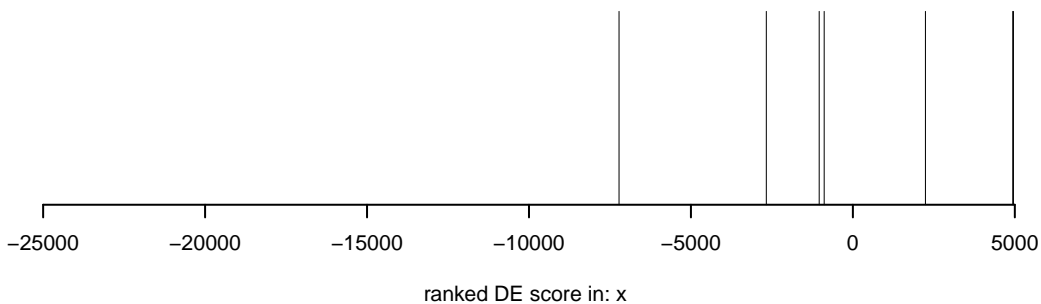
beeswarm plot



histogram

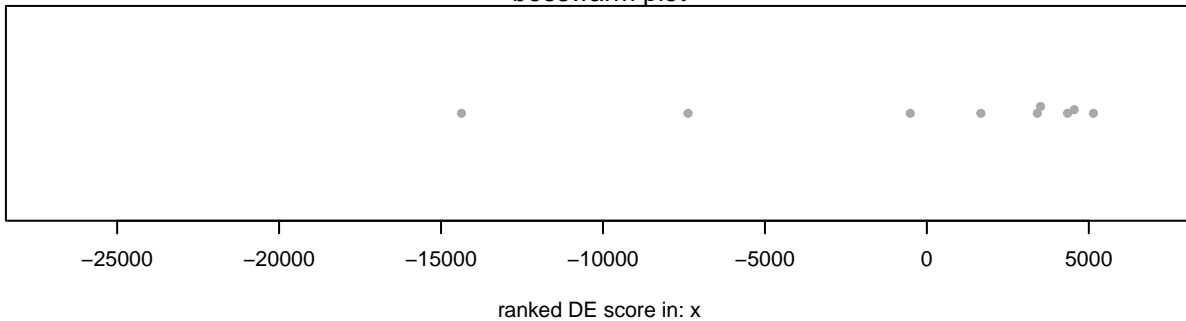


rugplot

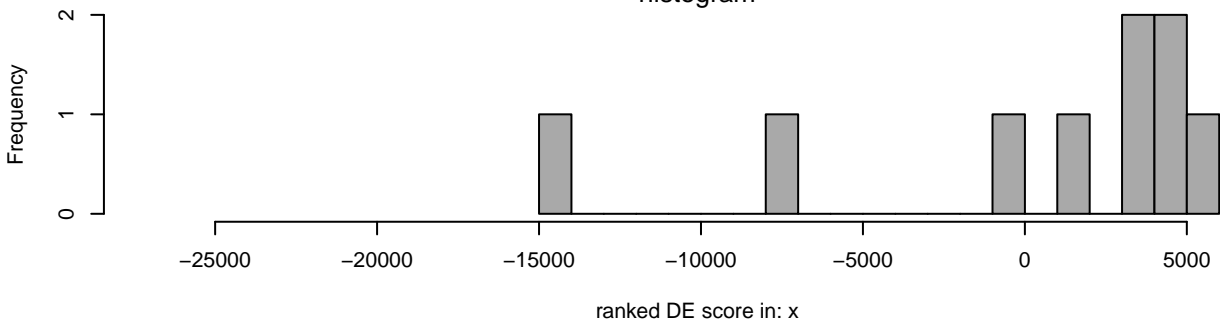


REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY

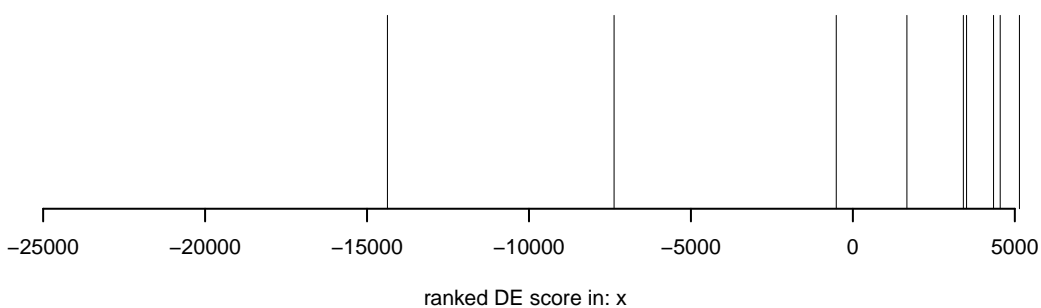
beeswarm plot



histogram

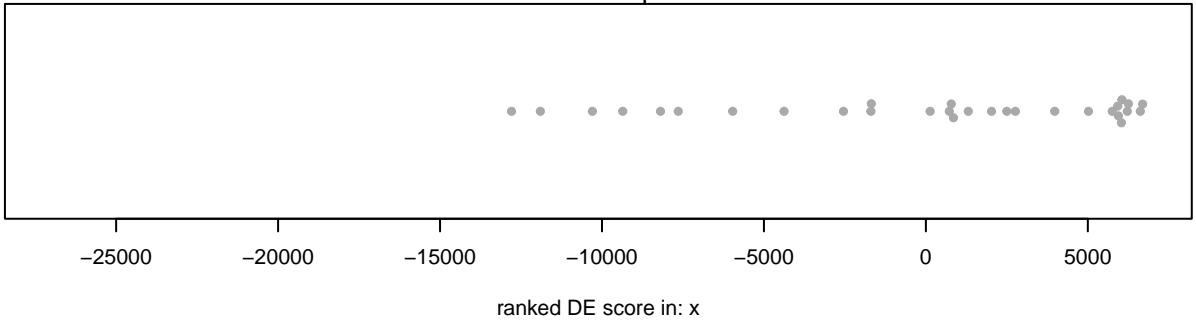


rugplot

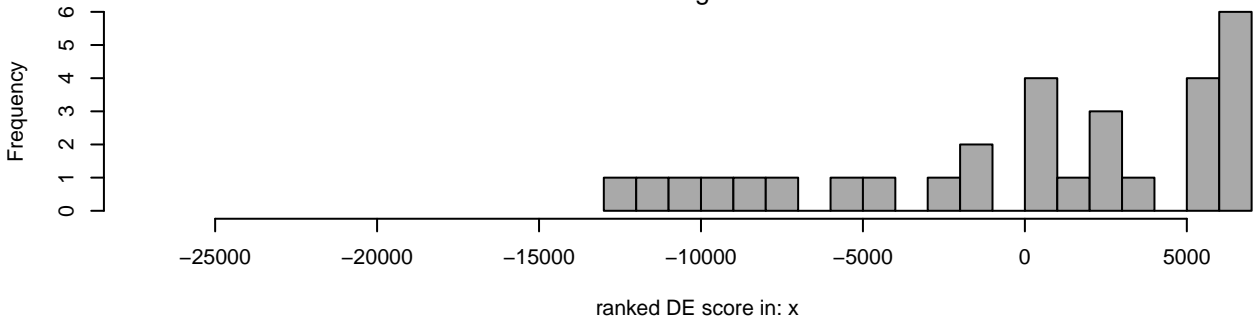


REACTOME_TRANSCRIPTIONAL_REGULATION_OF_PLURIPOTENT_STEM_CELLS

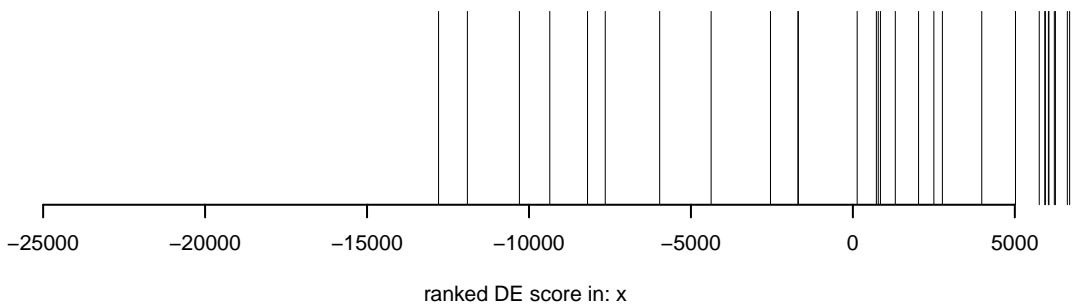
beeswarm plot



histogram

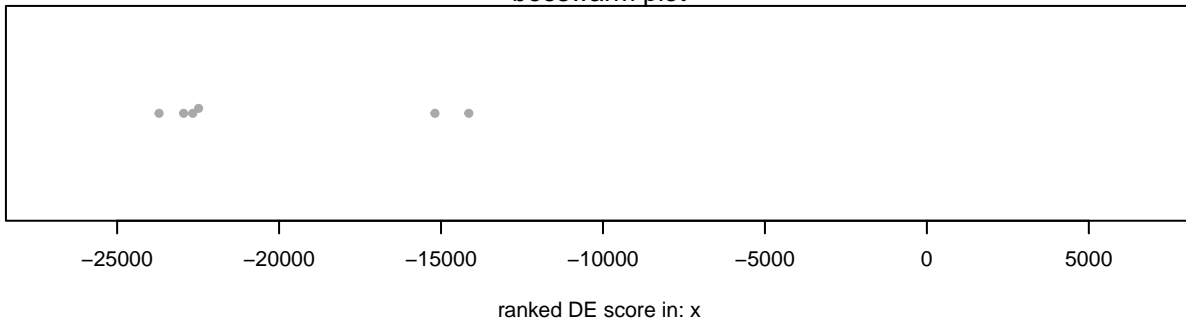


rugplot

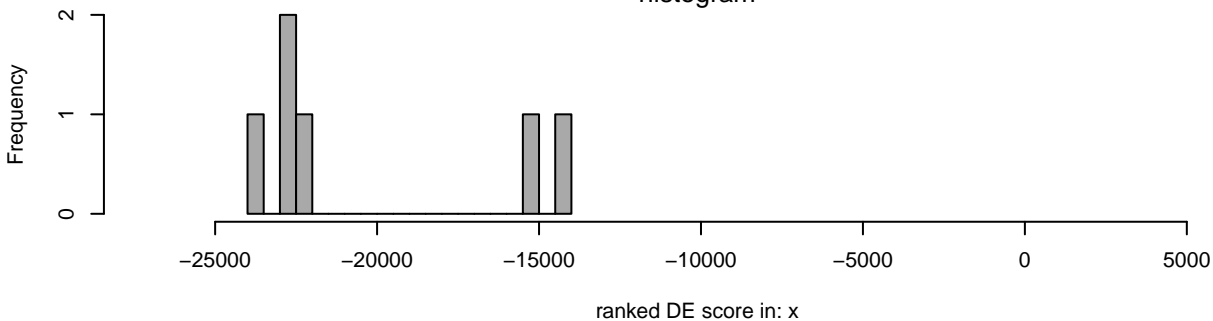


REACTOME_BIOSYNTHESIS_OF_MARESIN_LIKE_SPMS

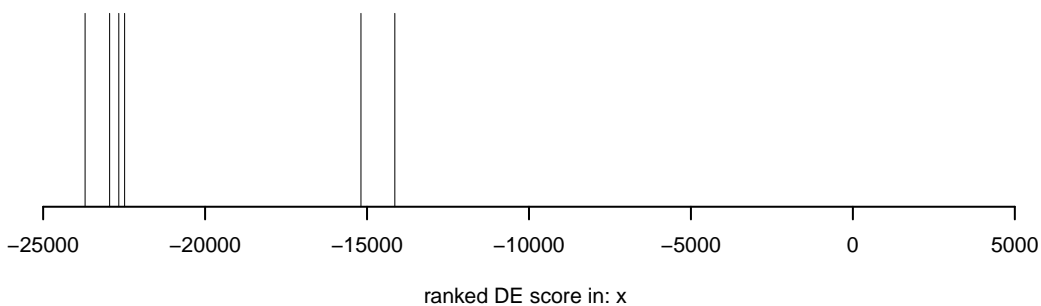
beeswarm plot



histogram

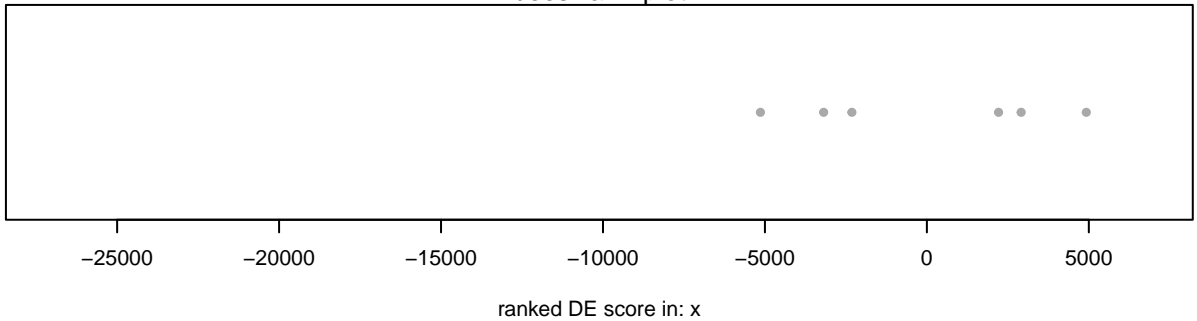


rugplot

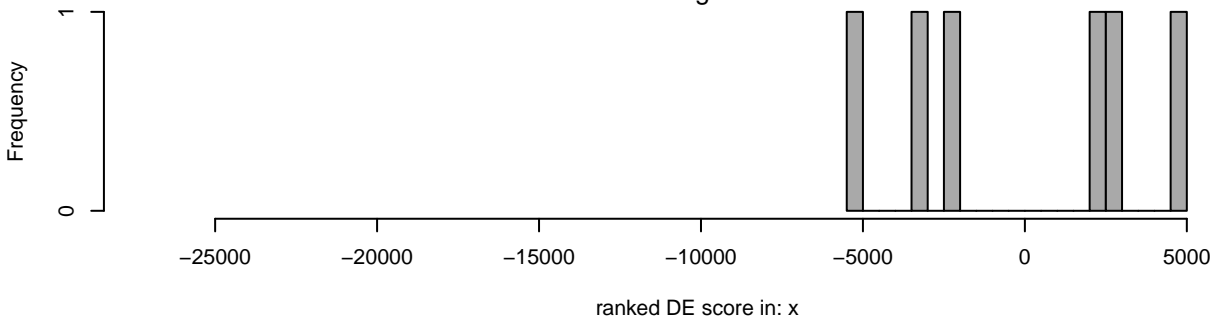


REACTOME_BIOSYNTHESIS_OF_EPA_DERIVED_SPMS

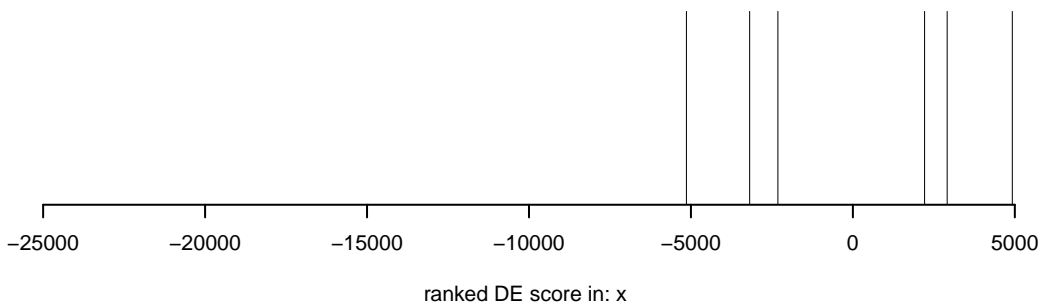
beeswarm plot



histogram

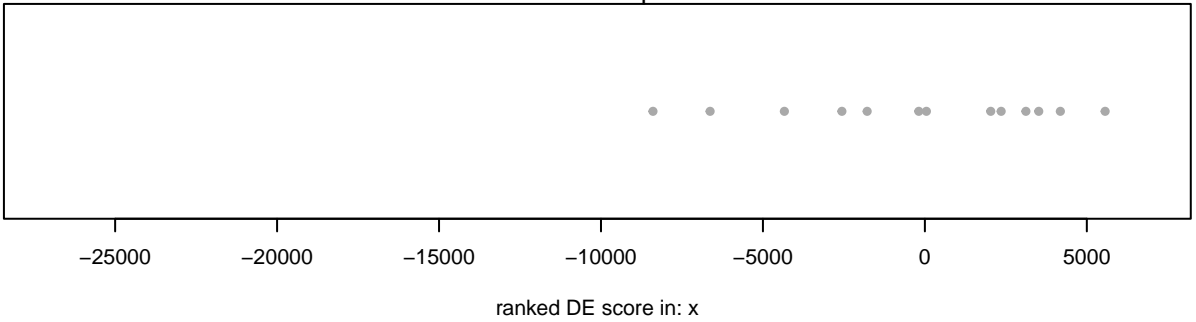


rugplot

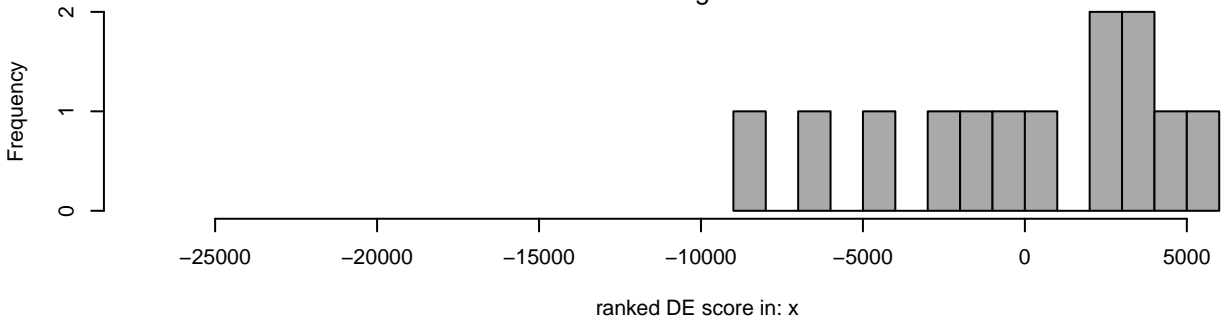


REACTOME_ERKS_ARE_INACTIVATED

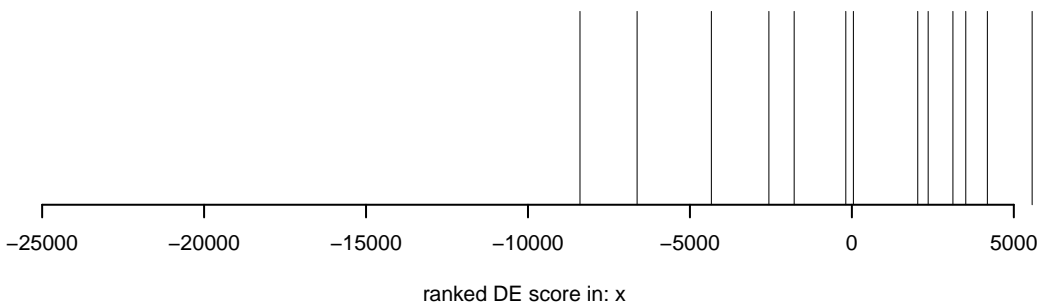
beeswarm plot



histogram

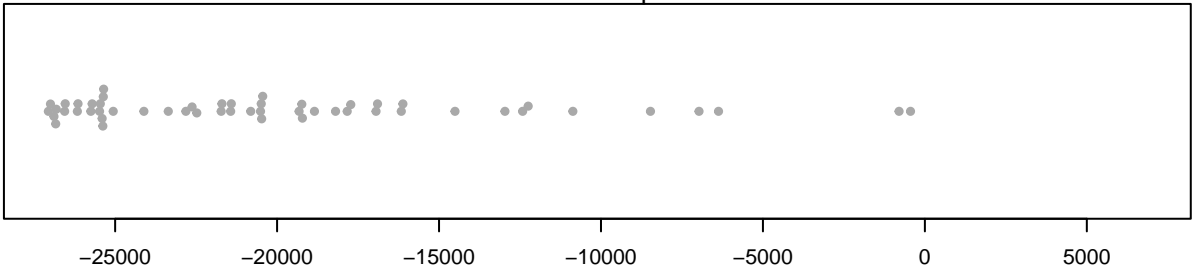


rugplot



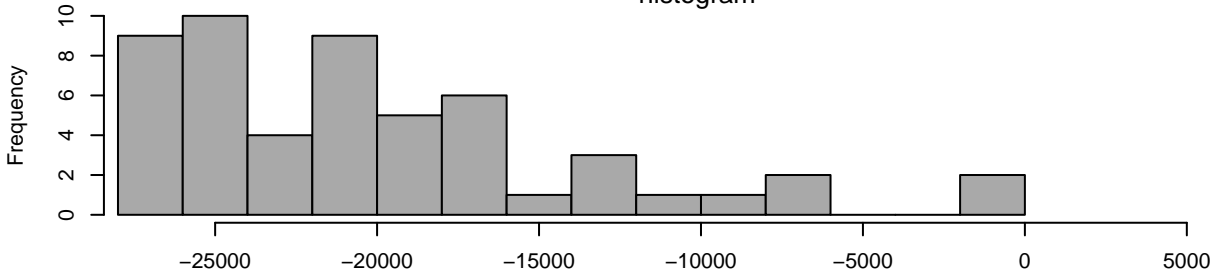
REACTOME_CD22_MEDIATED_BCR_REGULATION

beeswarm plot



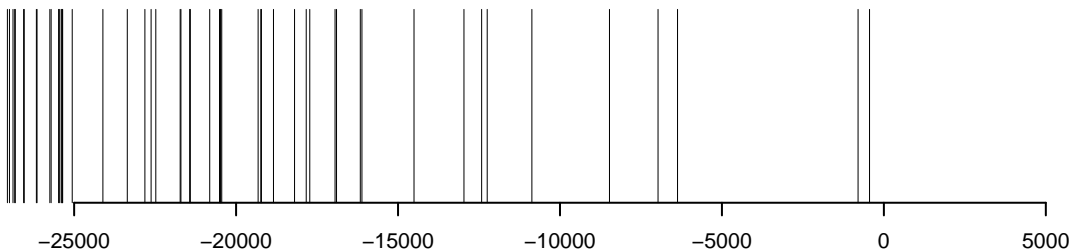
ranked DE score in: x

histogram



ranked DE score in: x

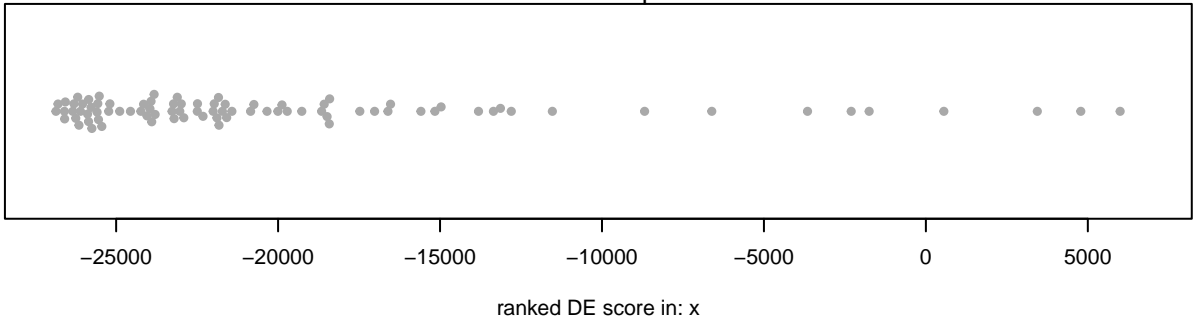
rugplot



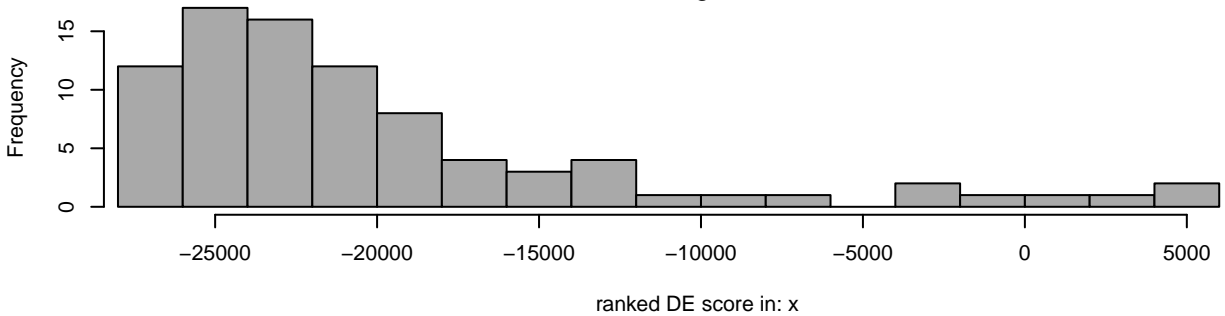
ranked DE score in: x

REACTOME_ANTIMICROBIAL_PEPTIDES

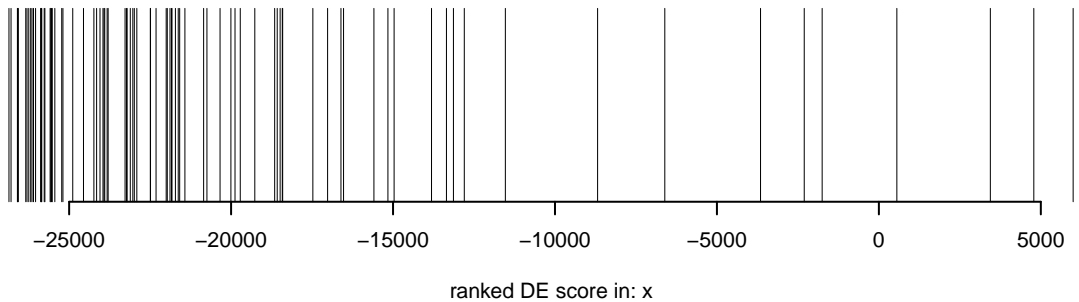
beeswarm plot



histogram

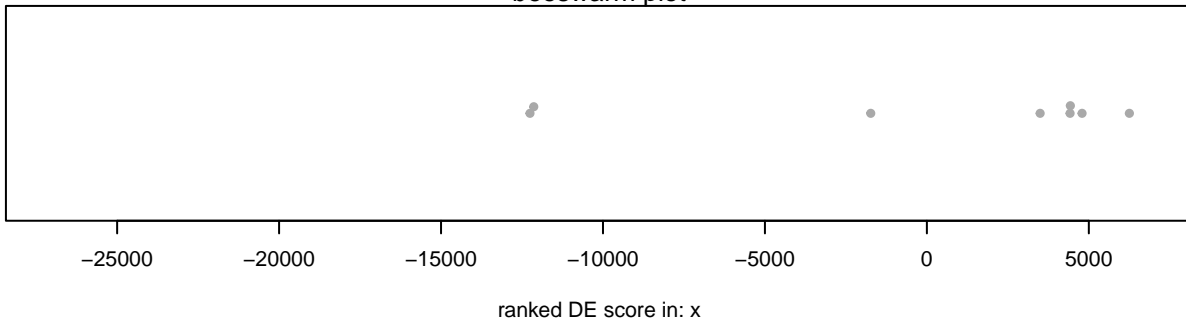


rugplot

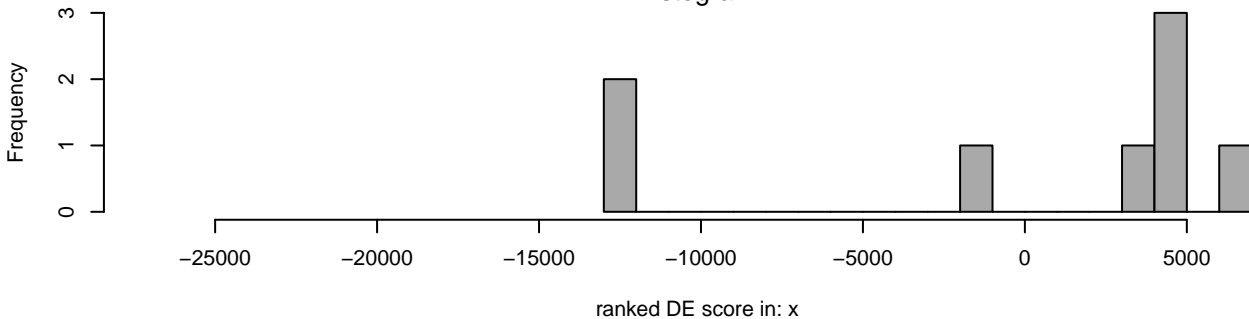


REACTOME_LIGAND_RECEPTOR_INTERACTIONS

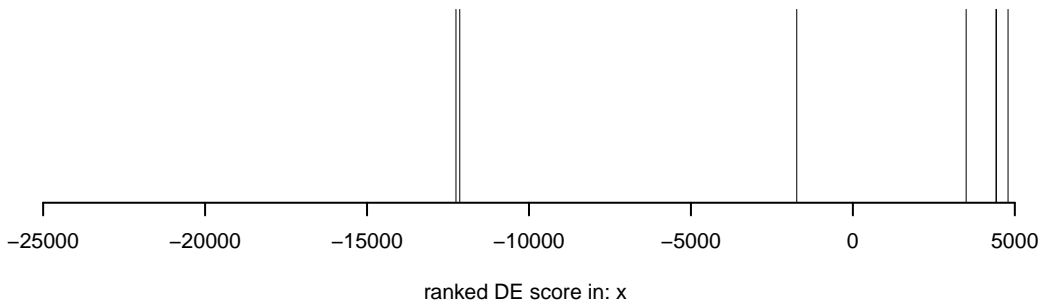
beeswarm plot



histogram

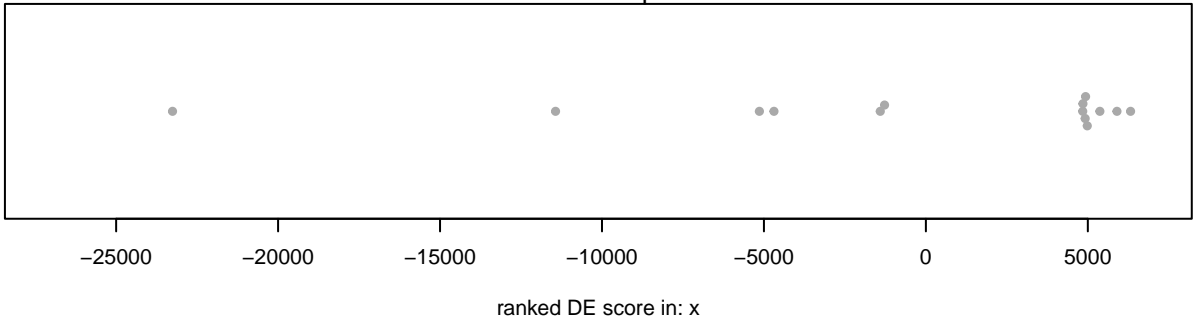


rugplot

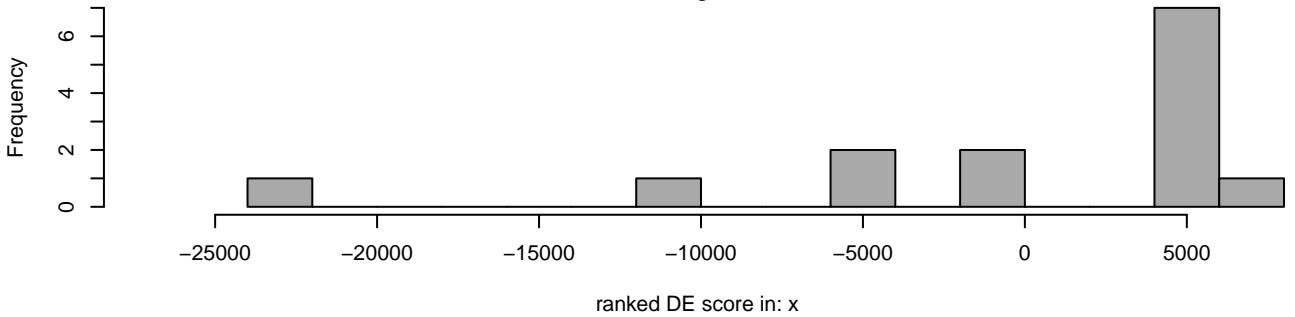


REACTOME_RESPONSE_TO_METAL_IONS

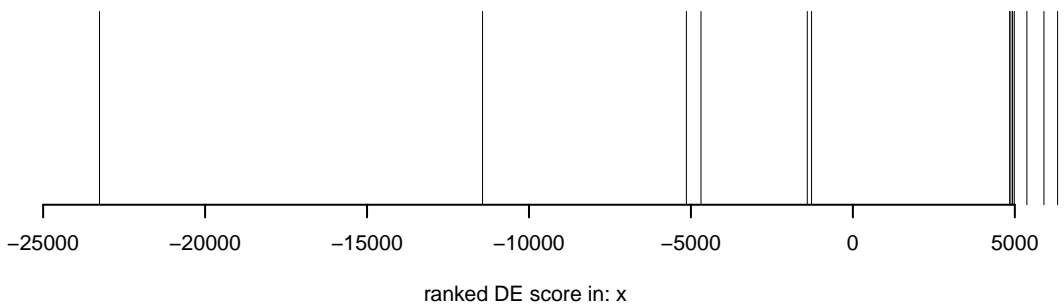
beeswarm plot



histogram

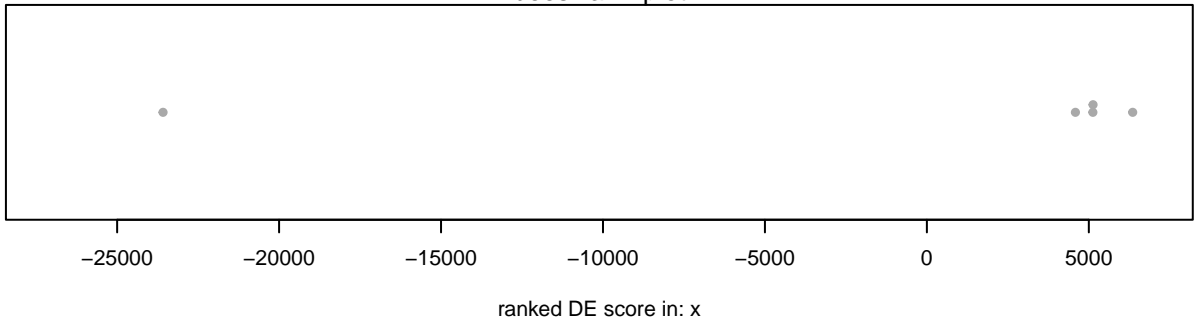


rugplot

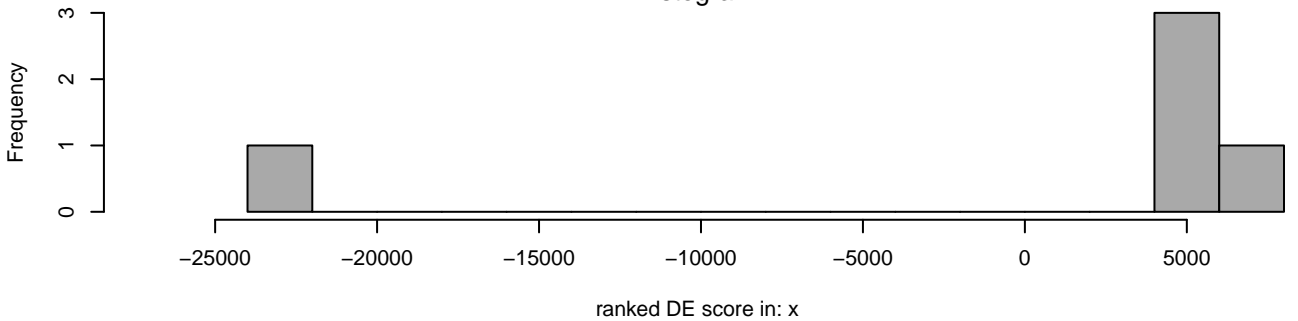


REGULATION_OF_GENE_EXPRESSION_IN_ENDOCRINE_COMMITTED_NEUROG3_PROG

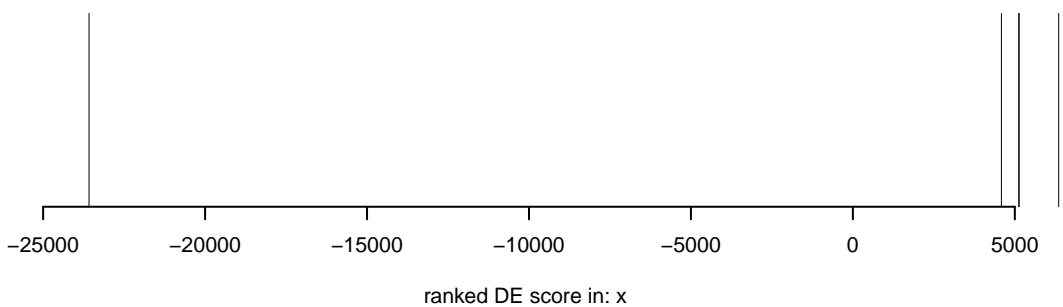
beeswarm plot



histogram

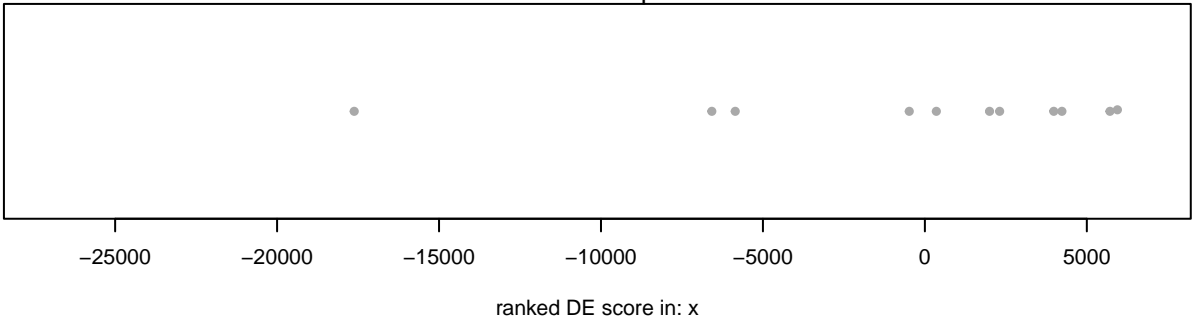


rugplot

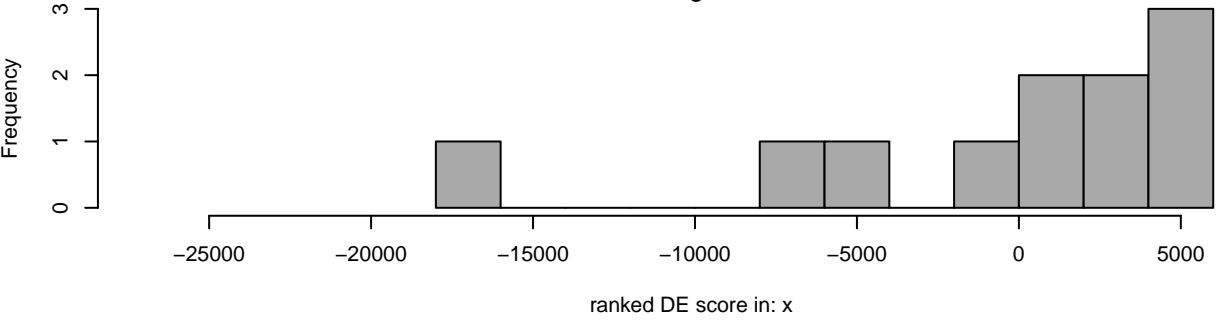


REACTOME_REGULATION_OF_GENE_EXPRESSION_BY_HYPOXIA_INDUCIBLE_FACTO

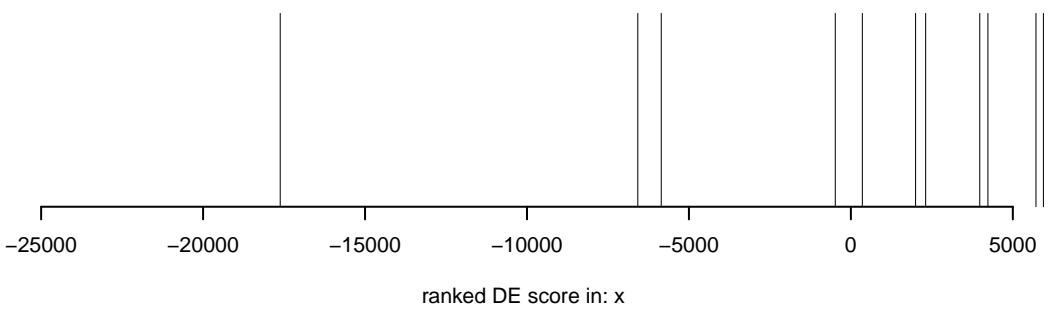
beeswarm plot



histogram

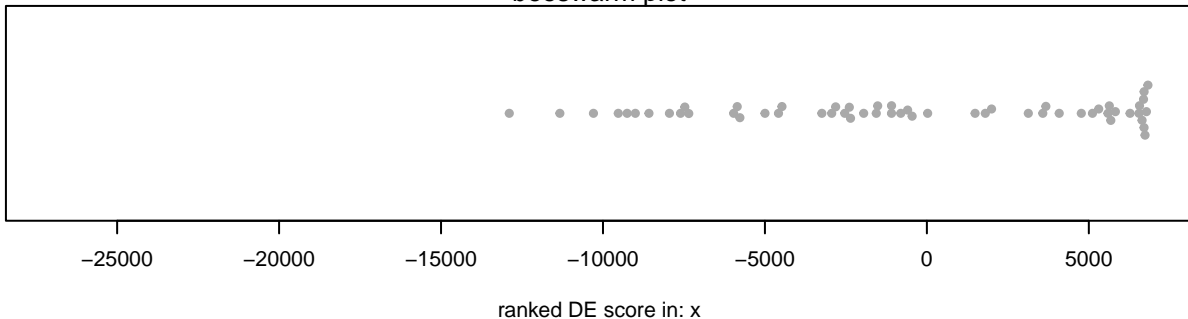


rugplot

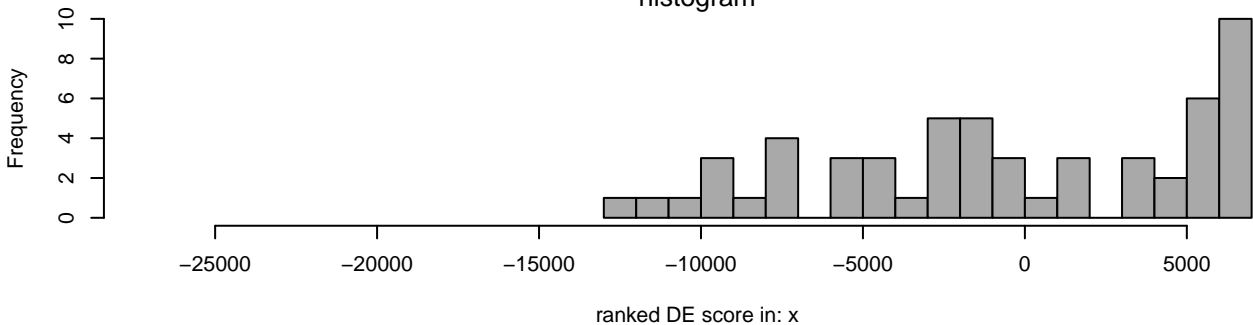


ACTIVATION_OF_ANTERIOR_HOX_GENES_IN_HINDBRAIN_DEVELOPMENT_DURING_EARLY

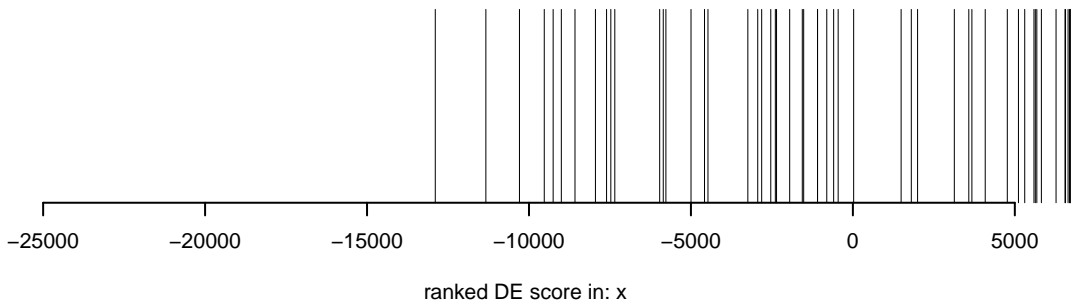
beeswarm plot



histogram

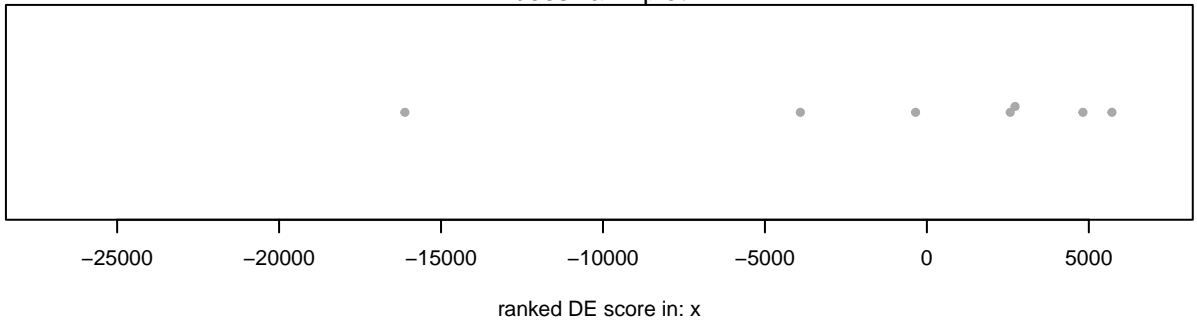


rugplot

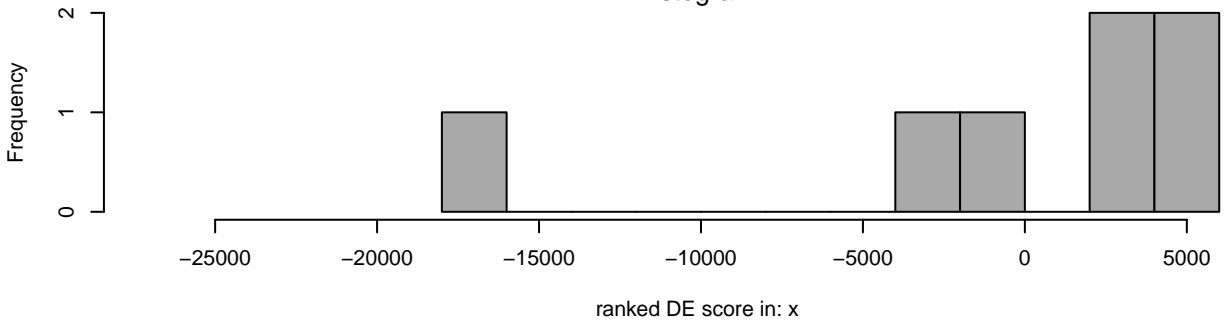


REACTOME_ERYTHROPOIETIN_ACTIVATES_STAT5

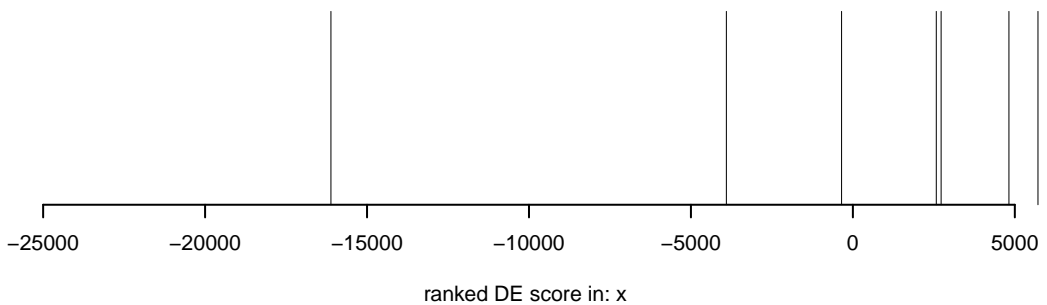
beeswarm plot



histogram

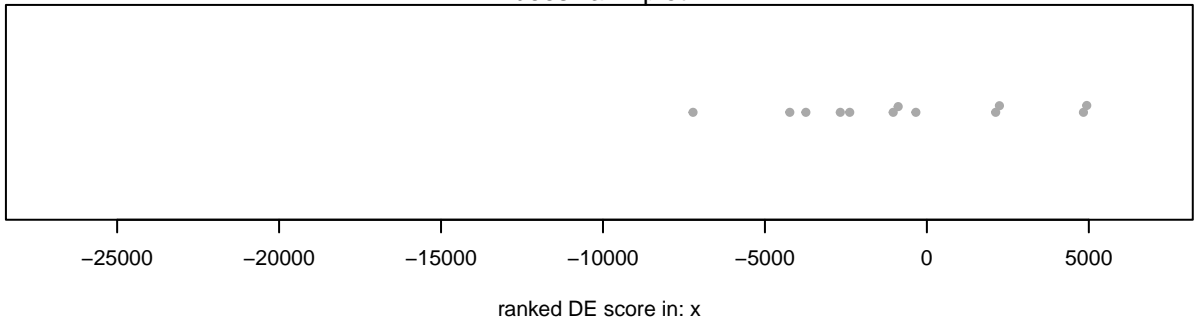


rugplot

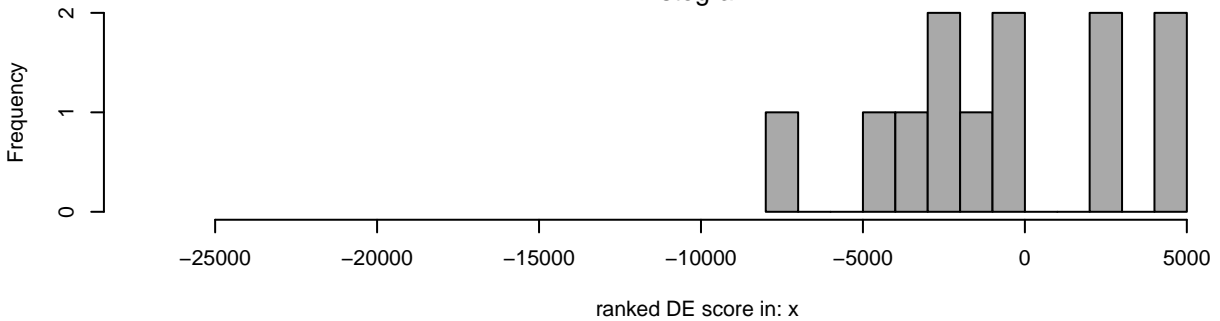


REACTOME_CS_DS_DEGRADATION

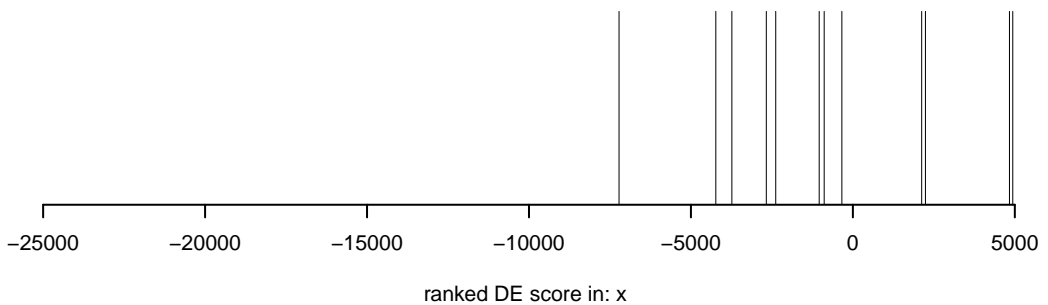
beeswarm plot



histogram

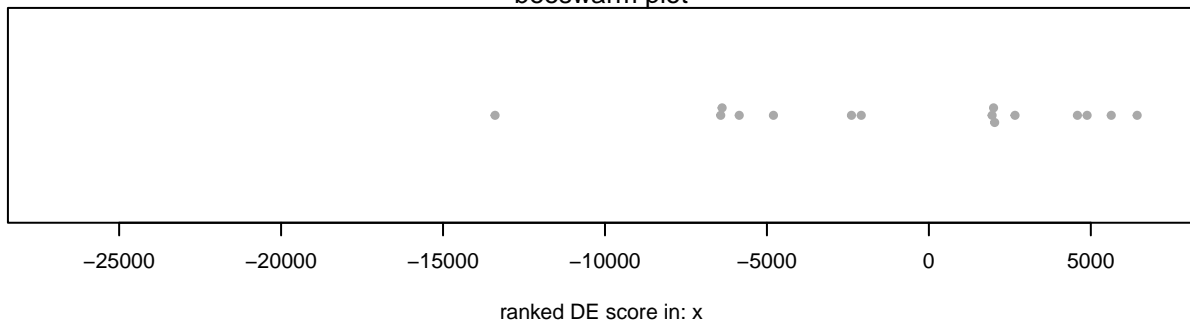


rugplot

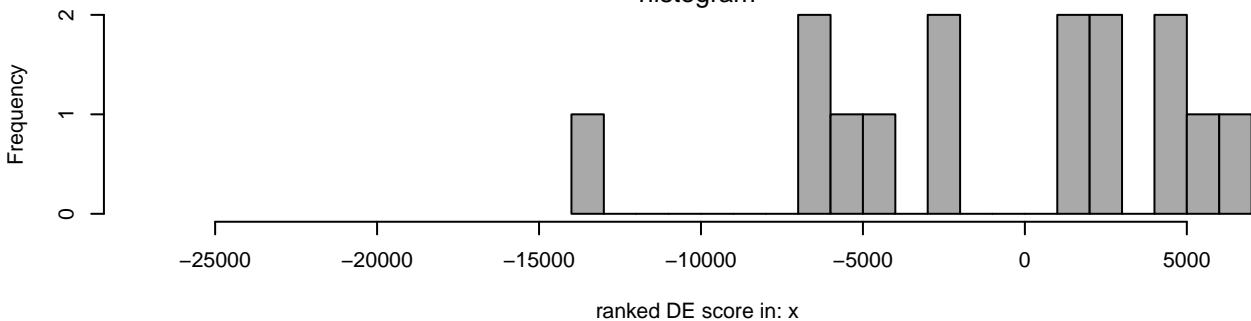


OF_GENE_EXPRESSION_IN_LATE_STAGE_BRANCHING_MORPHOGENESIS_PANCREA

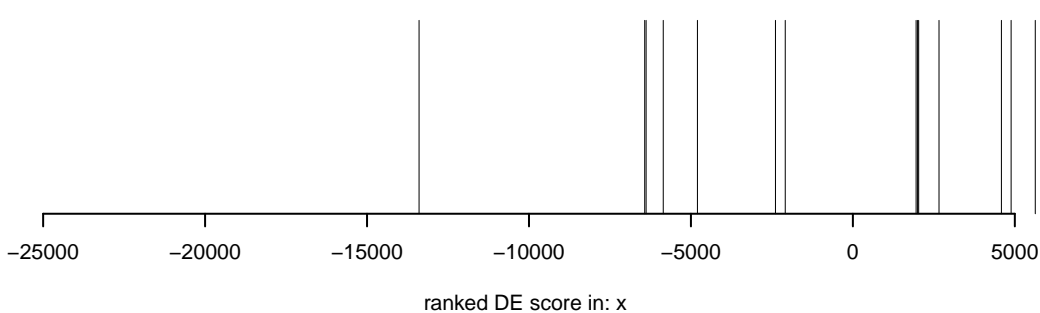
beeswarm plot



histogram

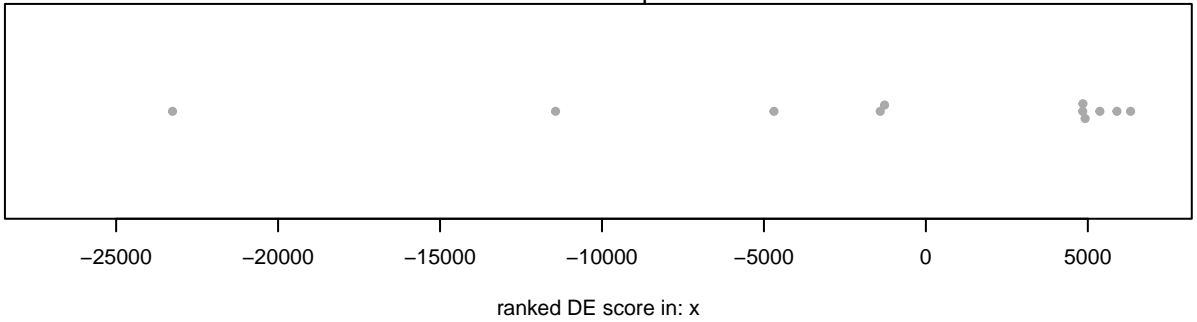


rugplot

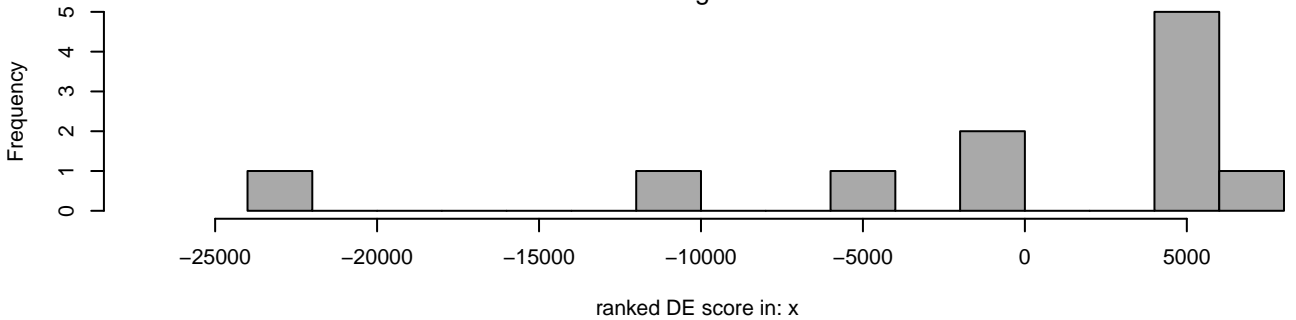


REACTOME_METALLOTHIONEINS_BIND_METALS

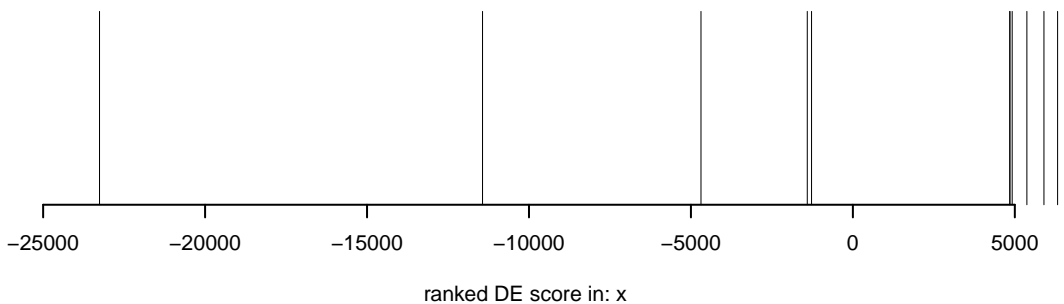
beeswarm plot



histogram

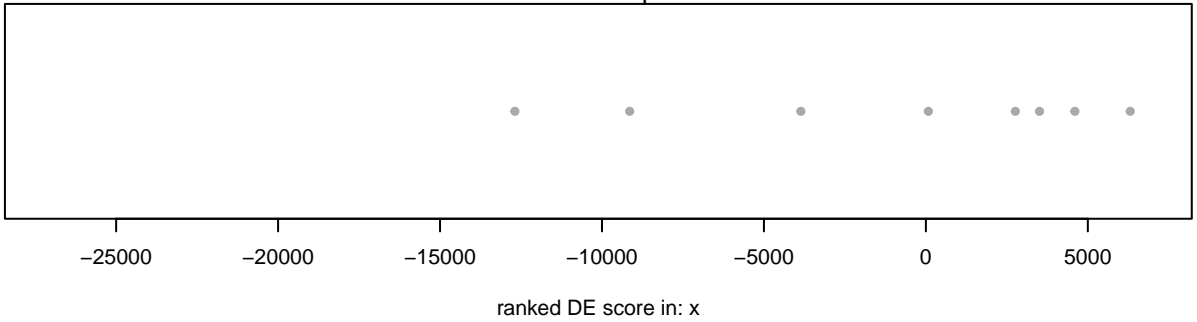


rugplot

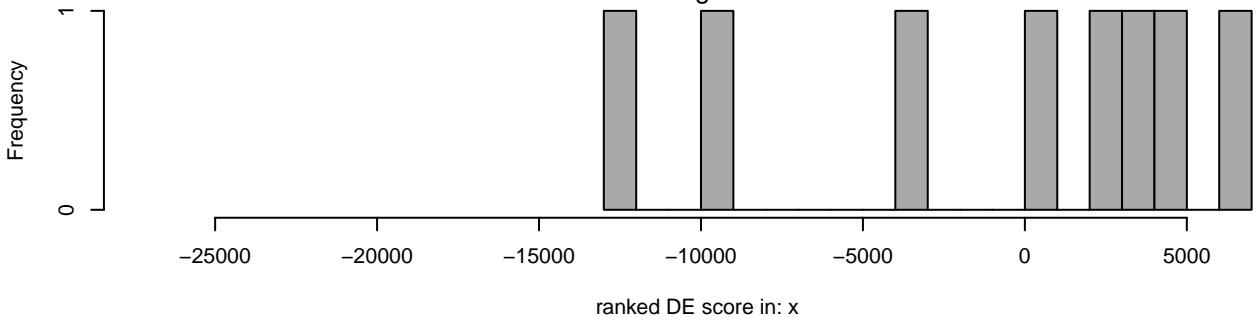


REACTOME_SIGNALING_BY_RNF43_MUTANTS

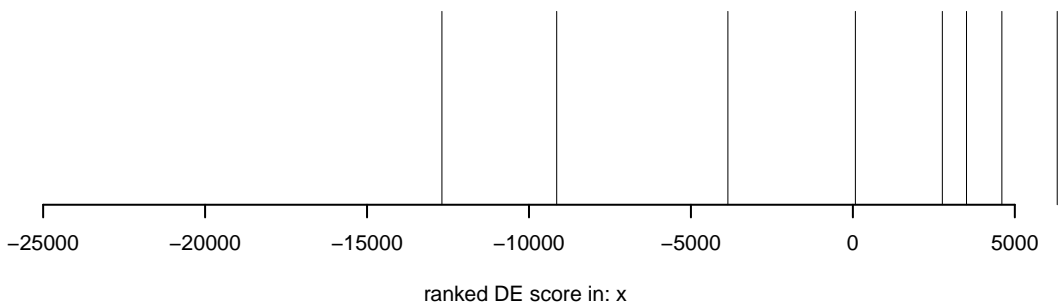
beeswarm plot



histogram

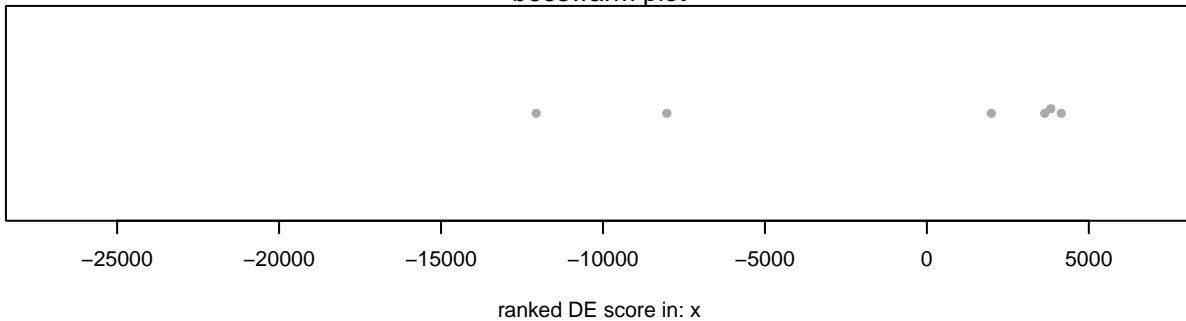


rugplot

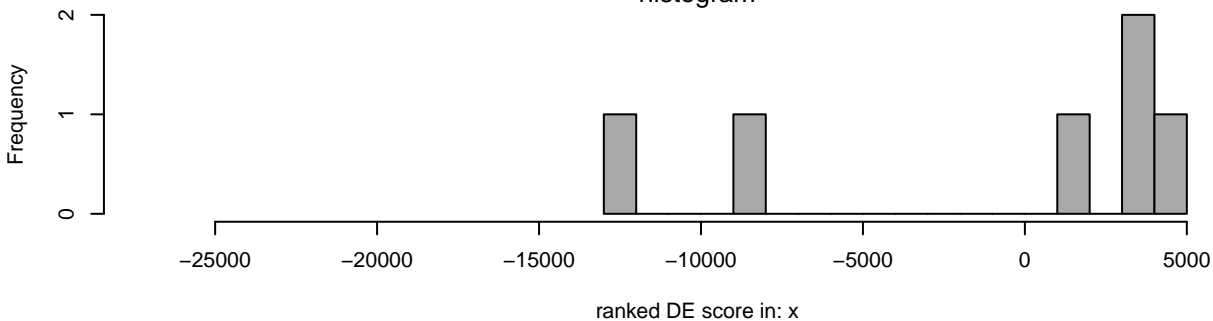


REACTOME_LIPID_PARTICLE_ORGANIZATION

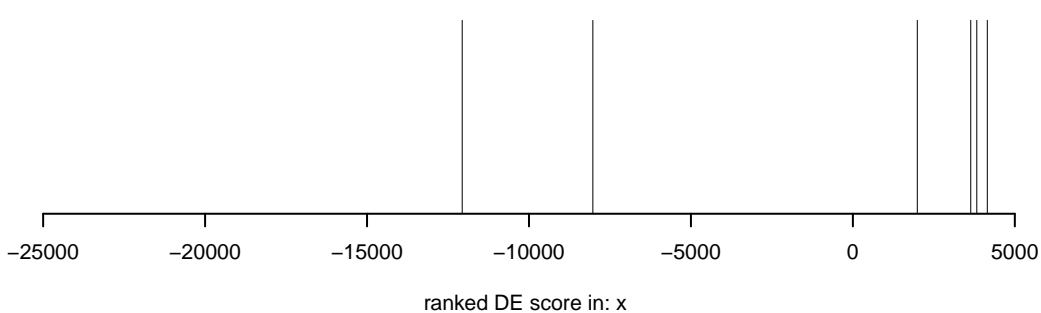
beeswarm plot



histogram

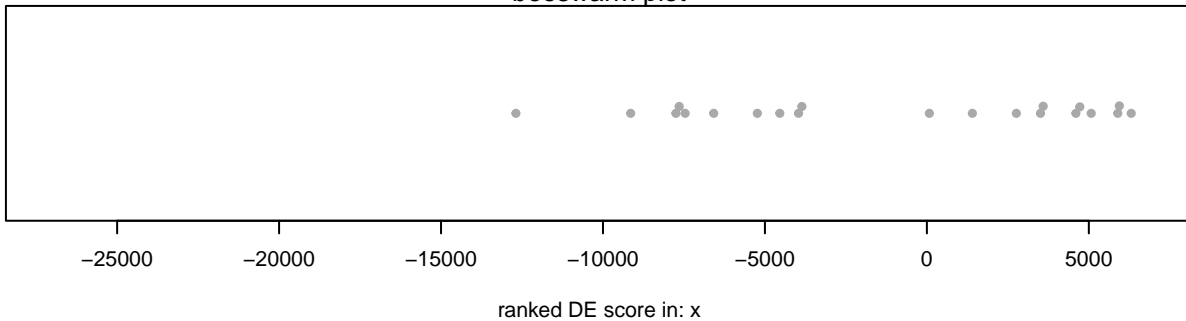


rugplot

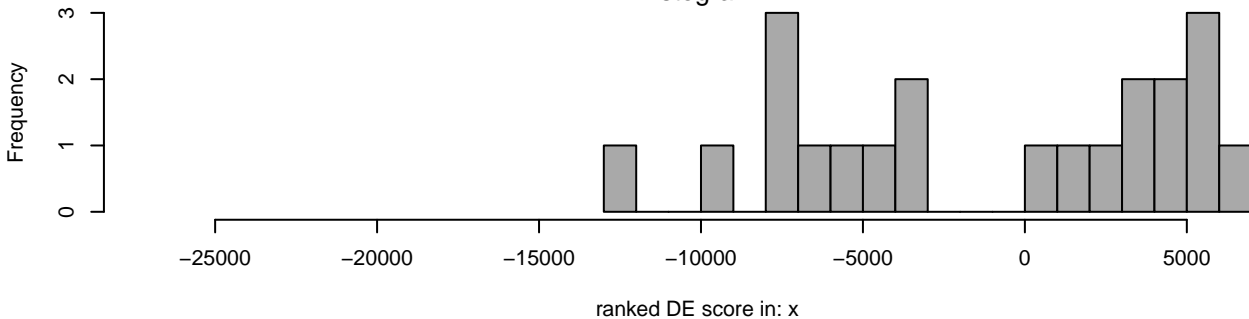


REACTOME_REGULATION_OF_FZD_BY_UBIQUITINATION

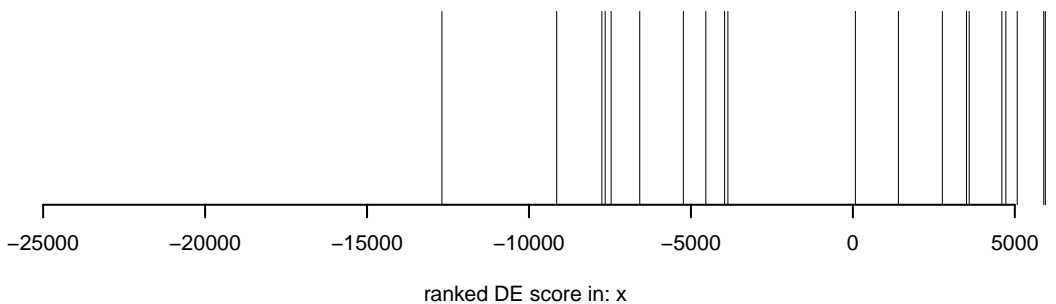
beeswarm plot



histogram

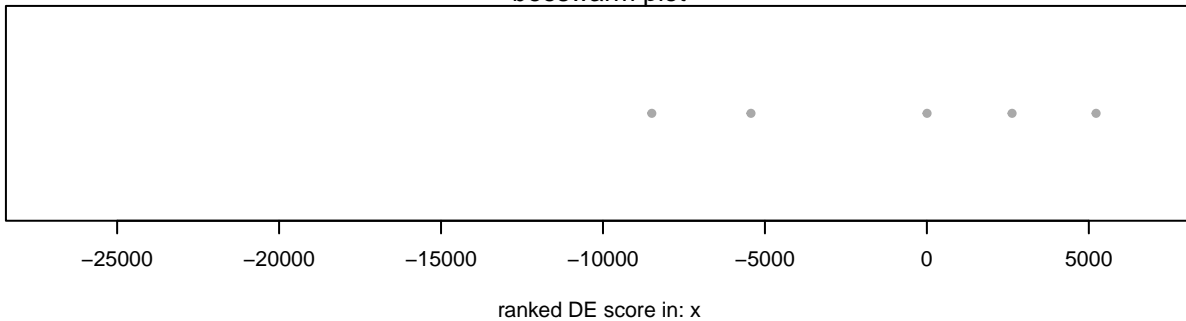


rugplot

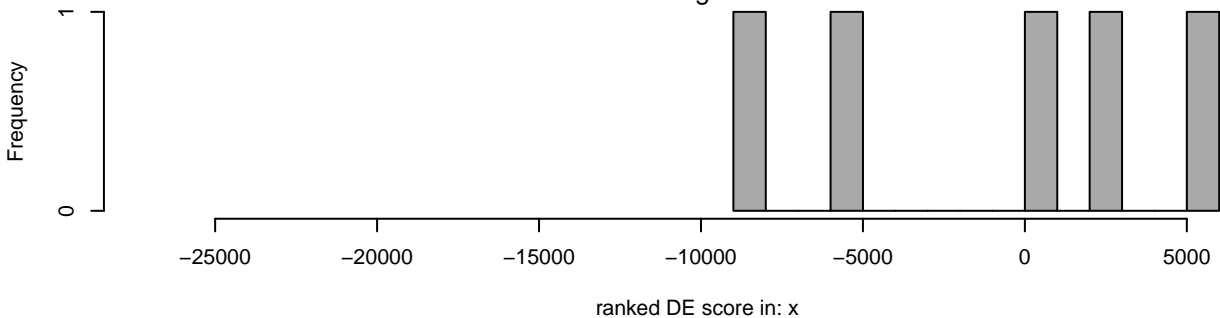


REACTOME_NOSTRIN_MEDIATED_ENOS_TRAFFICKING

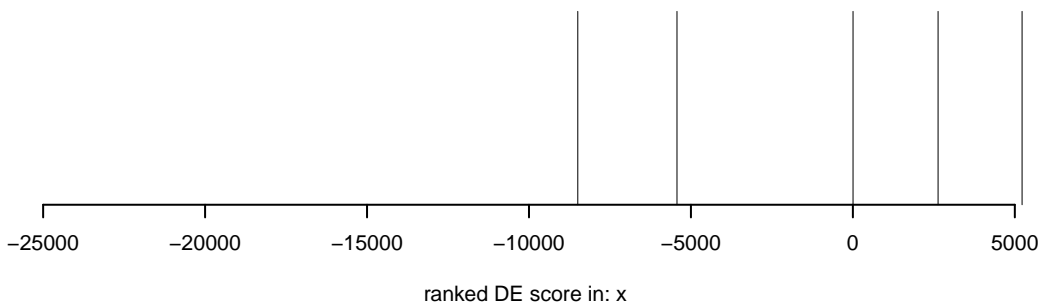
beeswarm plot



histogram

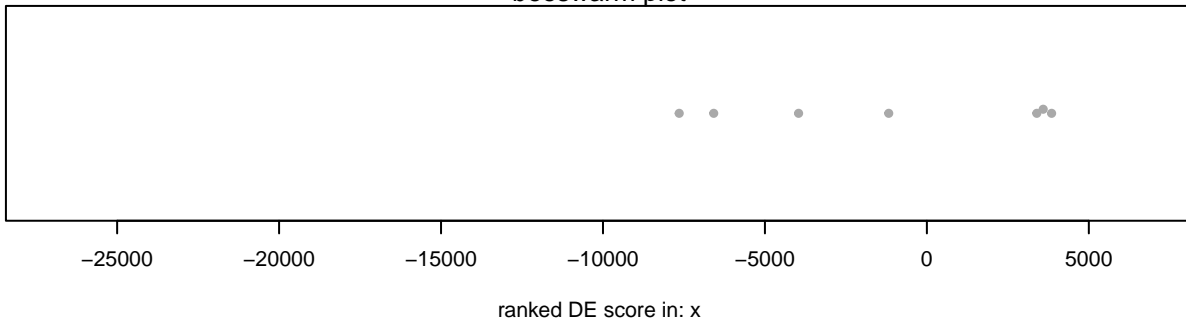


rugplot

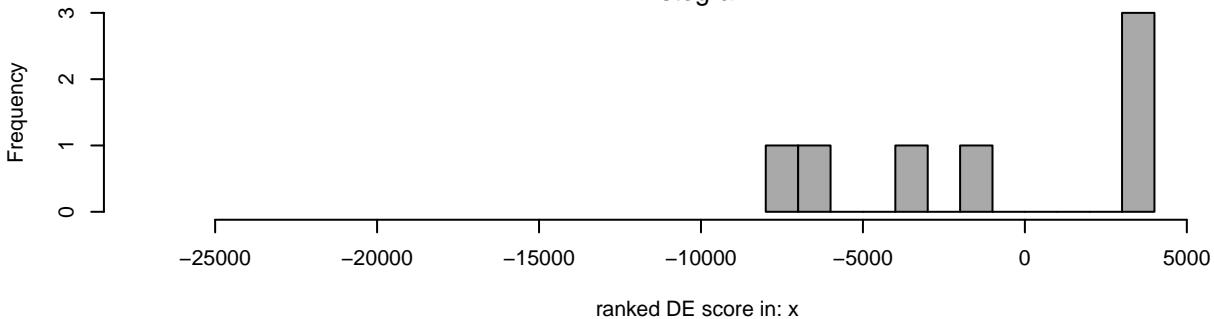


REACTOME_FLT3_SIGNALING_BY_CBL_MUTANTS

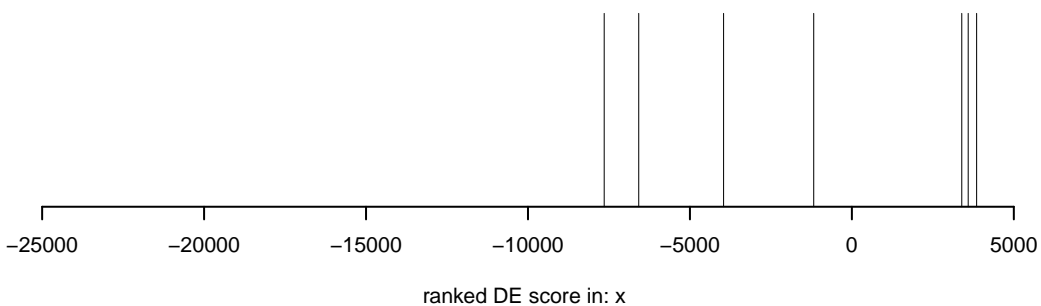
beeswarm plot



histogram

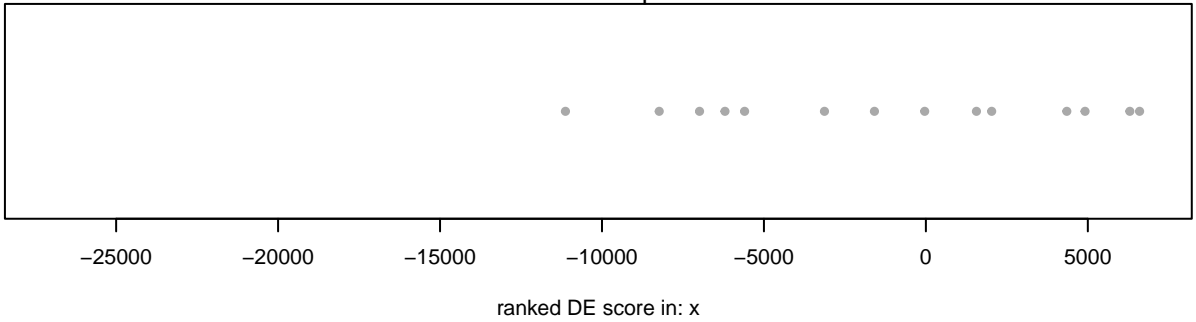


rugplot

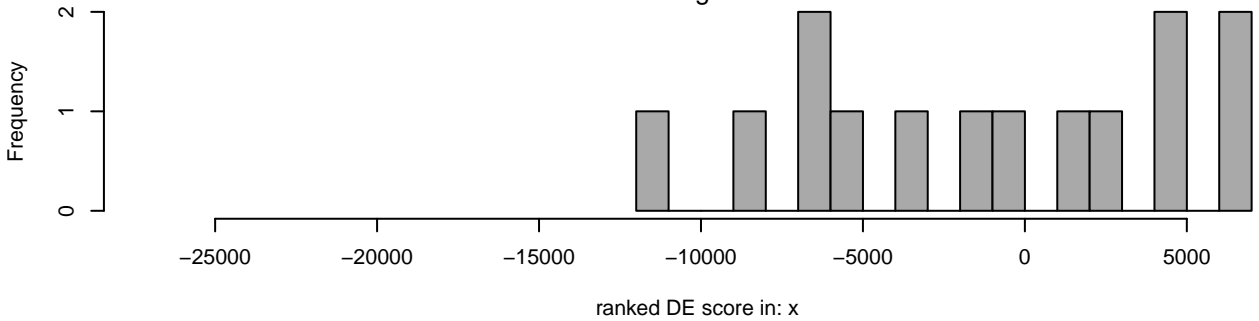


REACTOME_YAP1_AND_WWTR1_TAZ_STIMULATED_GENE_EXPRESSION

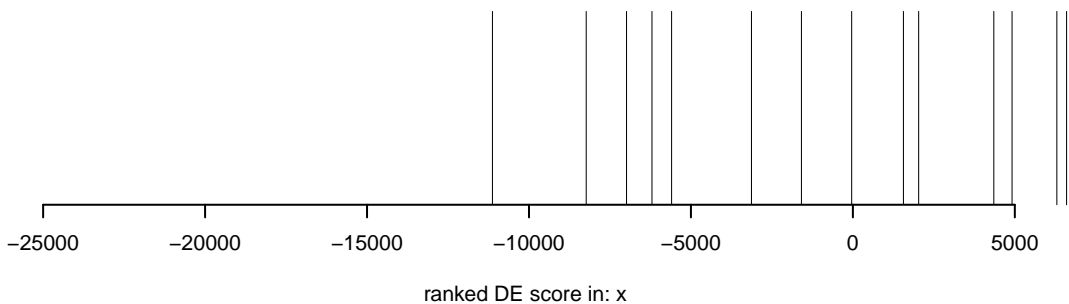
beeswarm plot



histogram

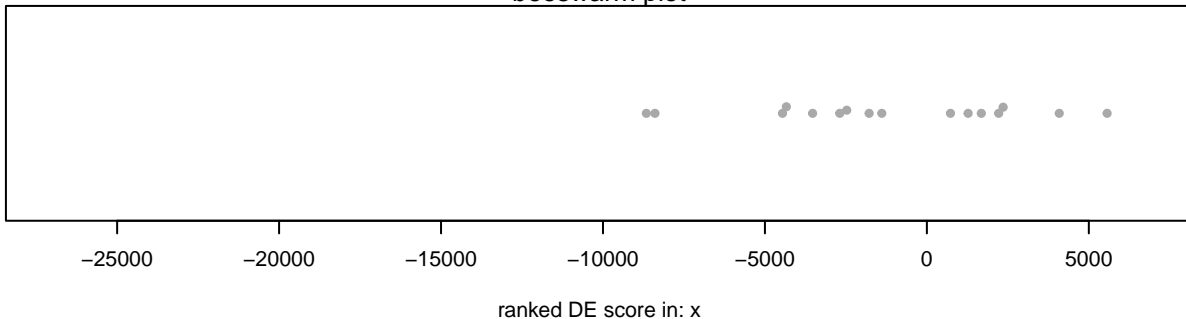


rugplot

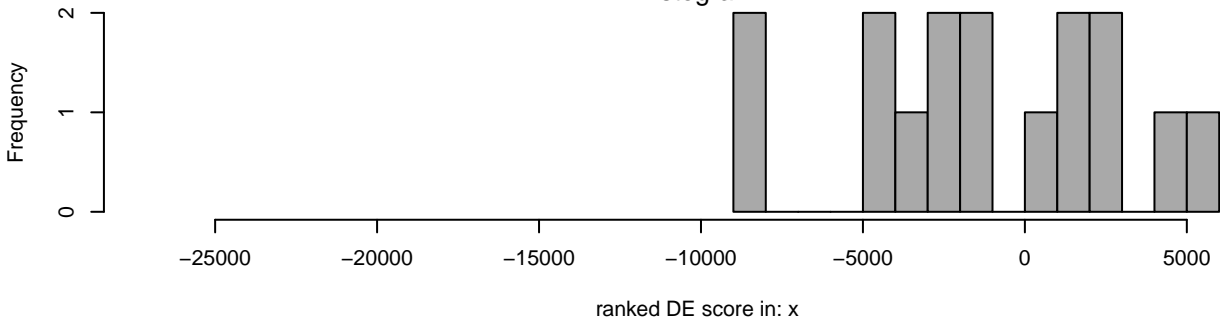


REACTOME_BETA_CATENIN_PHOSPHORYLATION_CASCADE

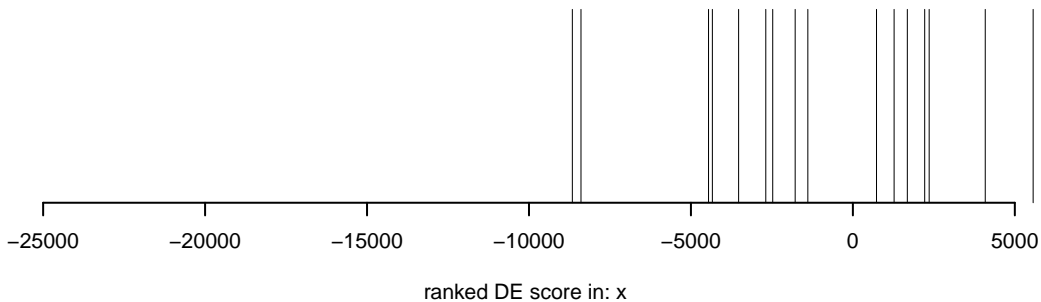
beeswarm plot



histogram

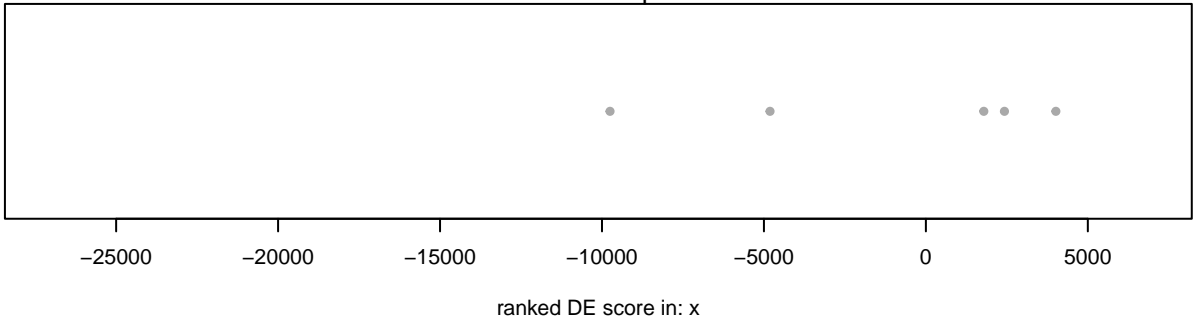


rugplot

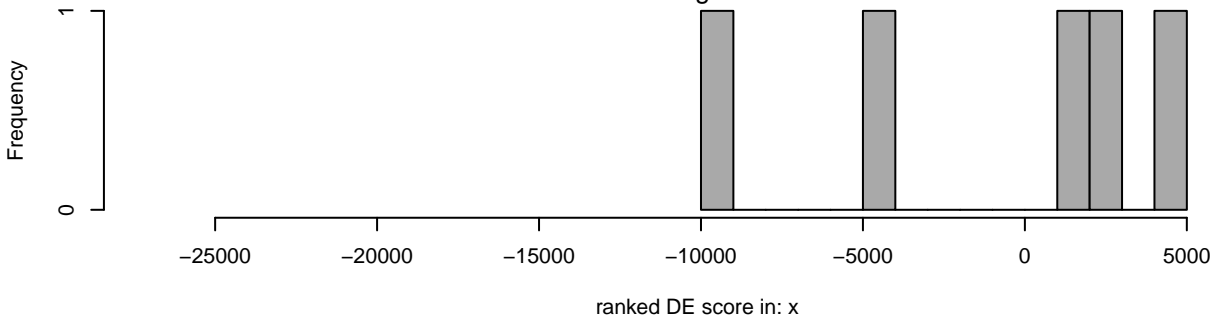


REACTOME_NADE_MODULATES_DEATH_SIGNALLING

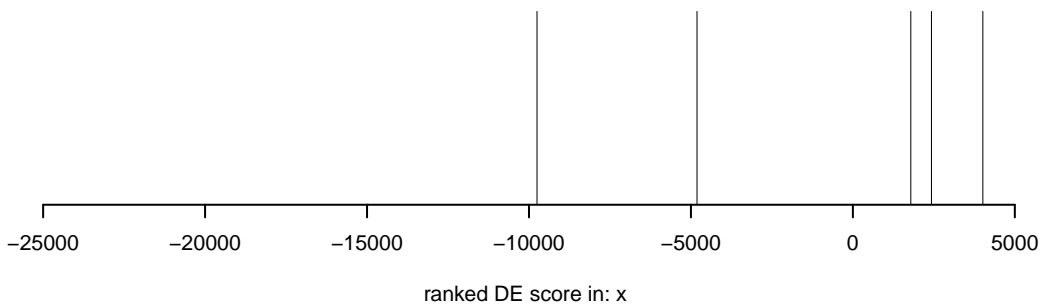
beeswarm plot



histogram

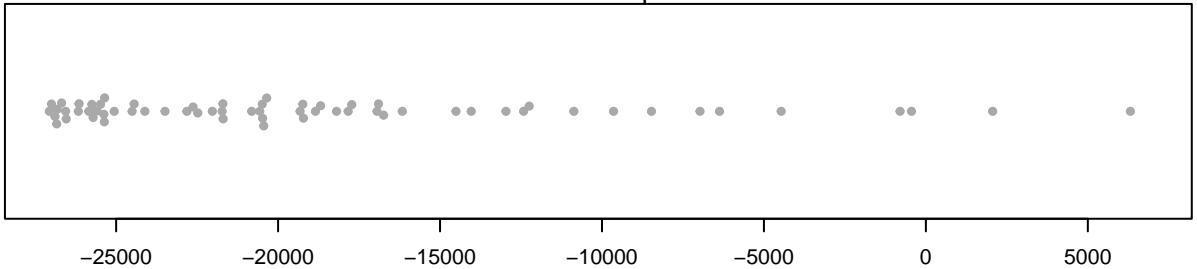


rugplot



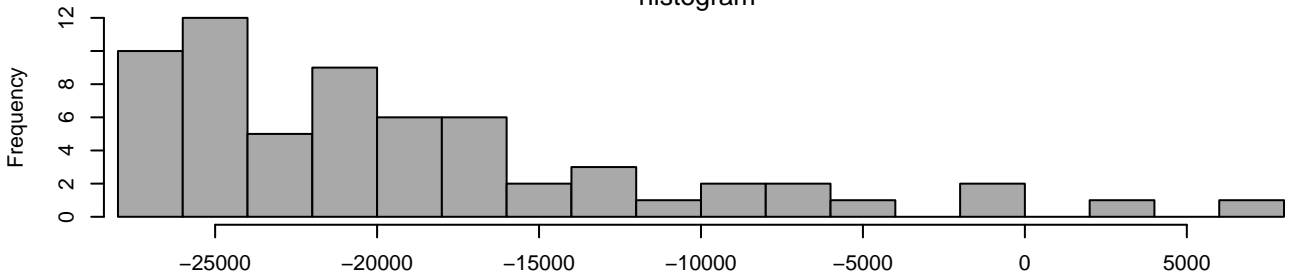
REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS

beeswarm plot



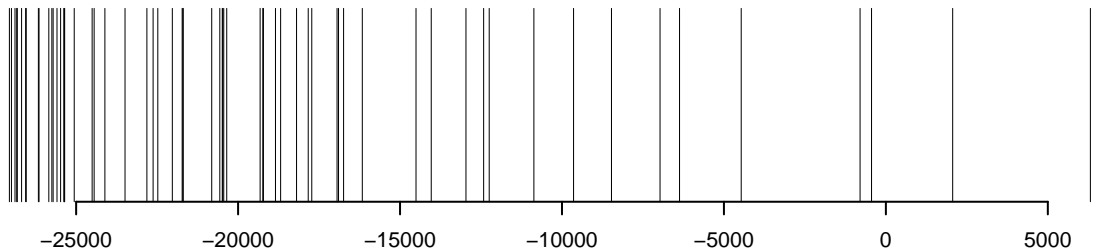
ranked DE score in: x

histogram



ranked DE score in: x

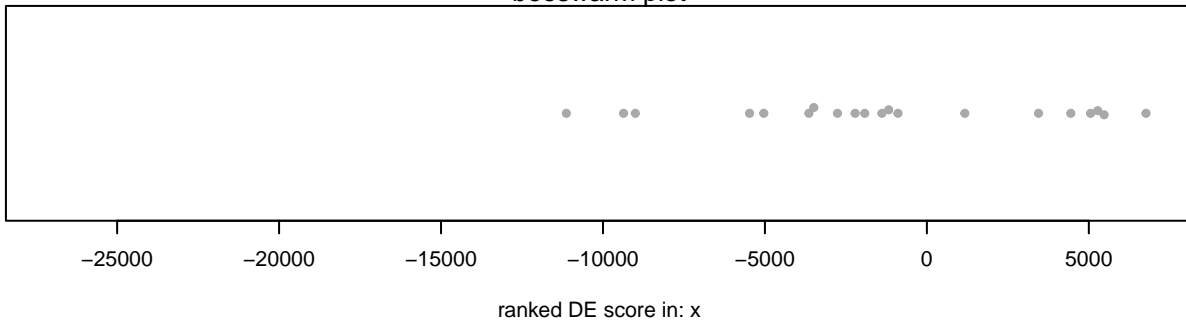
rugplot



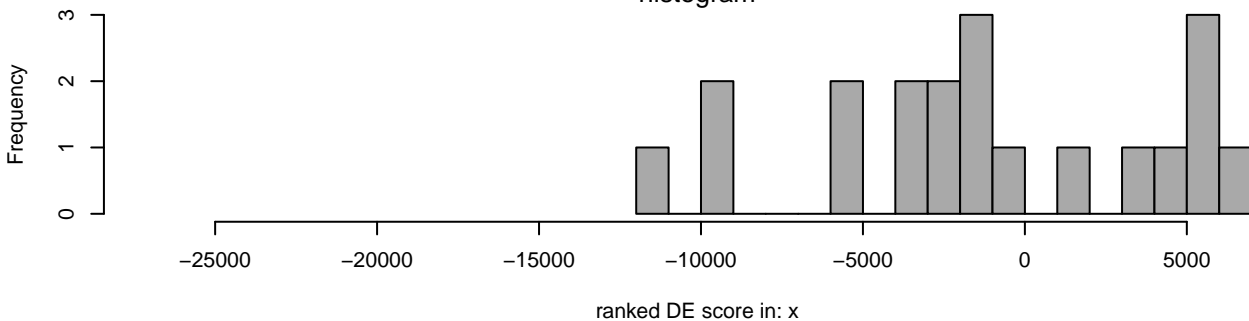
ranked DE score in: x

REACTOME_SUMOYLATION_OF_TRANSCRIPTION_FACTORS

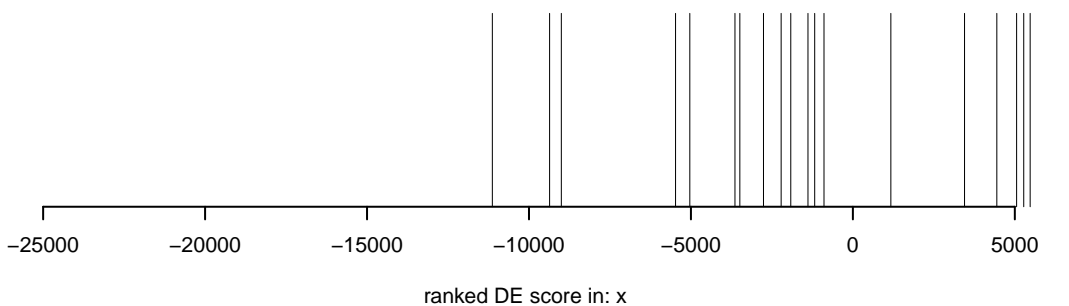
beeswarm plot



histogram

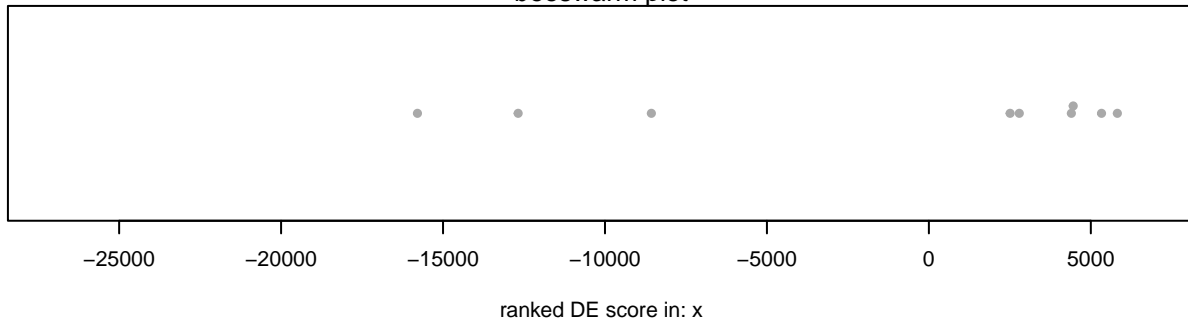


rugplot

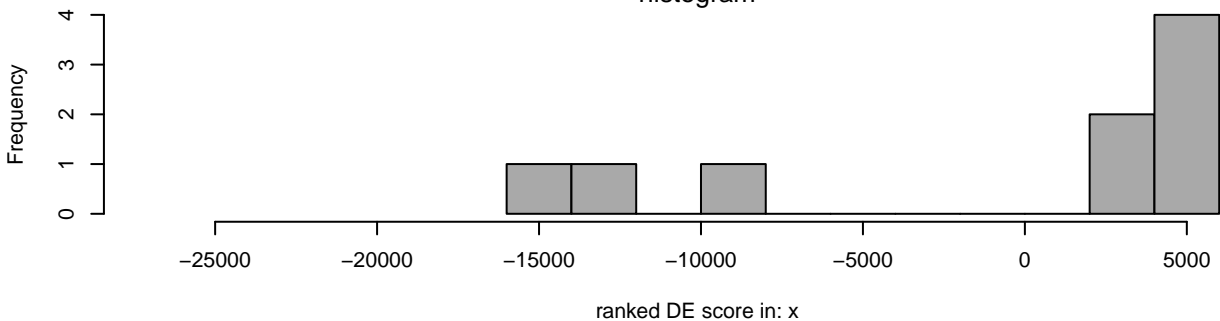


REACTOME_PROSTANOID_LIGAND_RECEPTORS

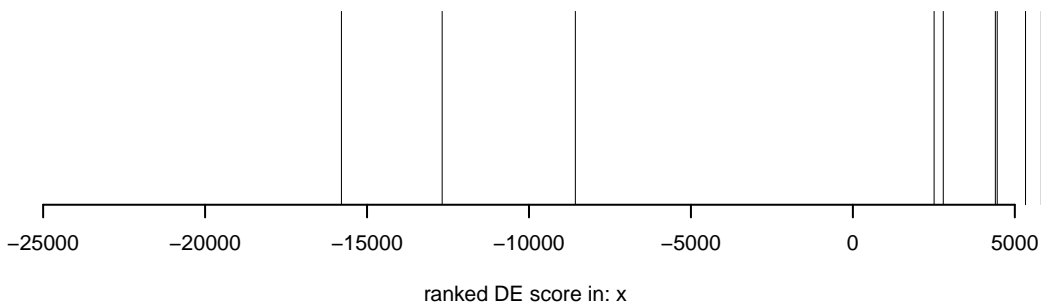
beeswarm plot



histogram

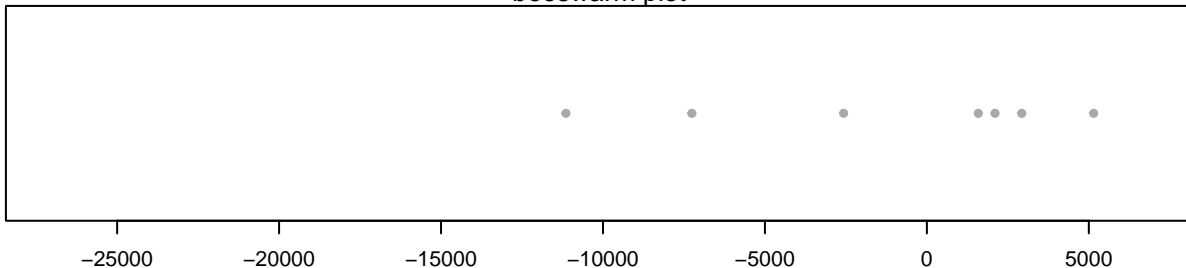


rugplot



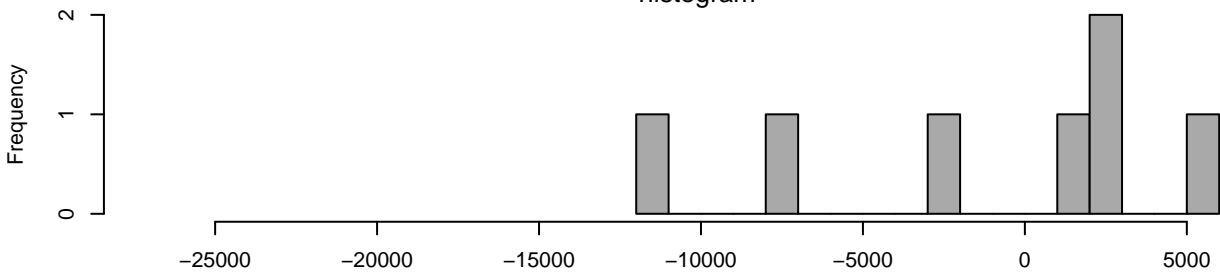
REACTOME_ACTIVATED_NTRK2_SIGNALS_THROUGH_PI3K

beeswarm plot



ranked DE score in: x

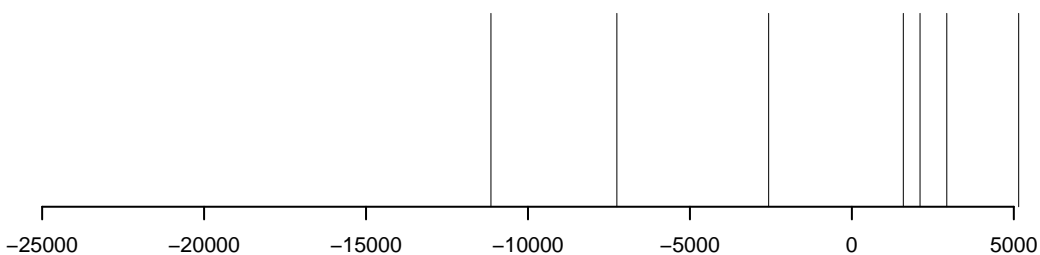
histogram



Frequency

ranked DE score in: x

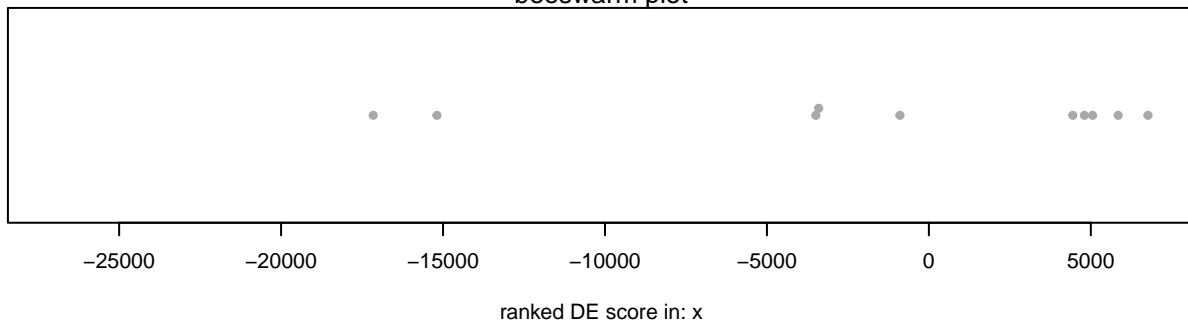
rugplot



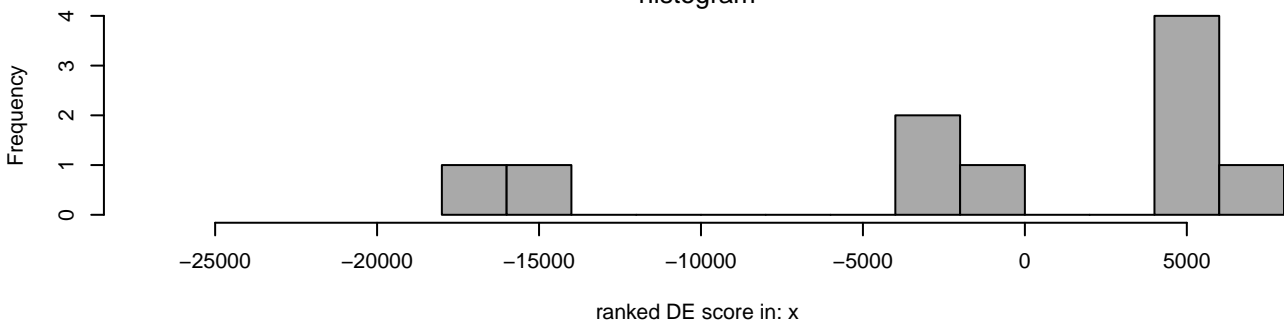
ranked DE score in: x

ME_NEGATIVE_REGULATION_OF_ACTIVITY_OF_TFAP2_AP_2_FAMILY_TRANSCRIPTION

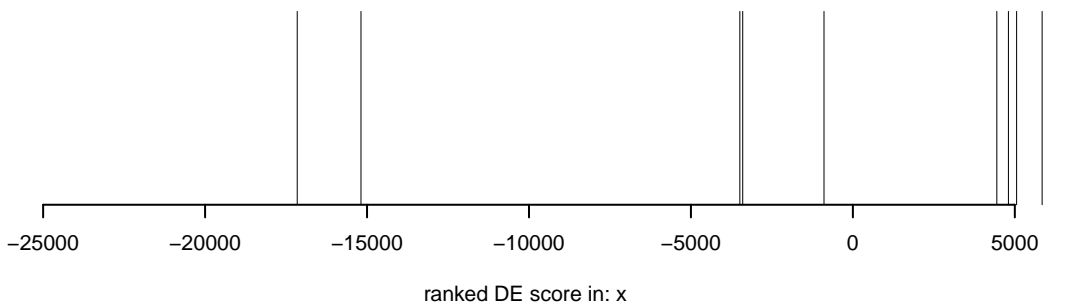
beeswarm plot



histogram

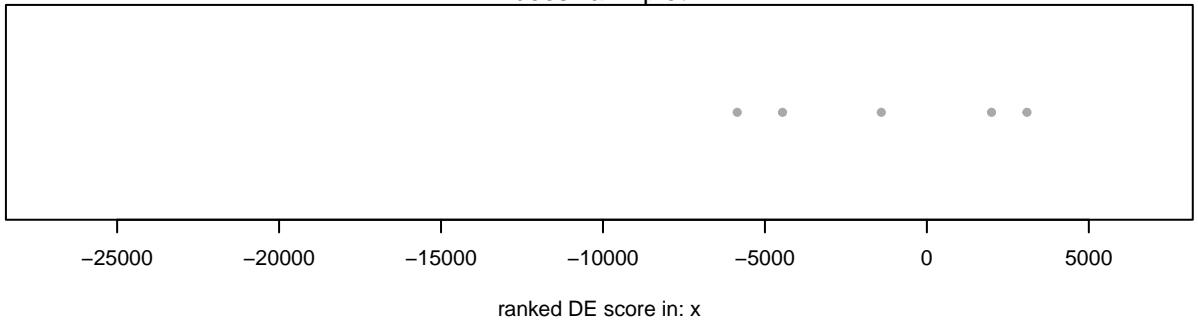


rugplot

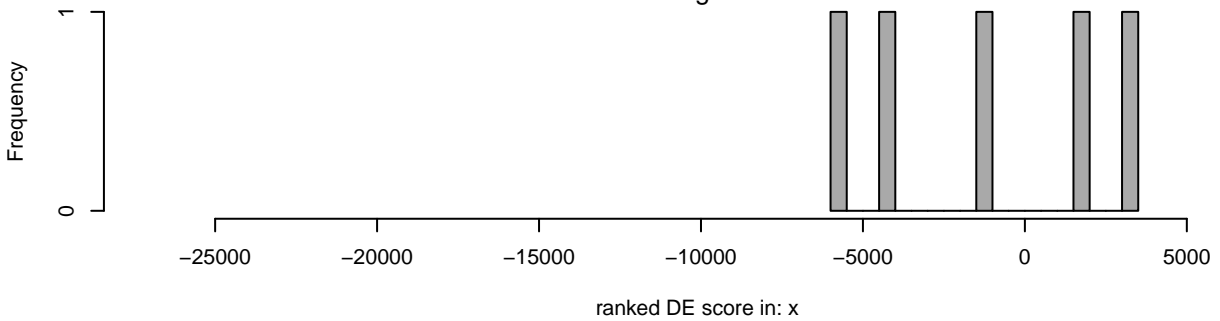


CTOME_LRR_FLII_INTERACTING_PROTEIN_1_LRRFIP1_ACTIVATES_TYPE_I_IFN_PROD

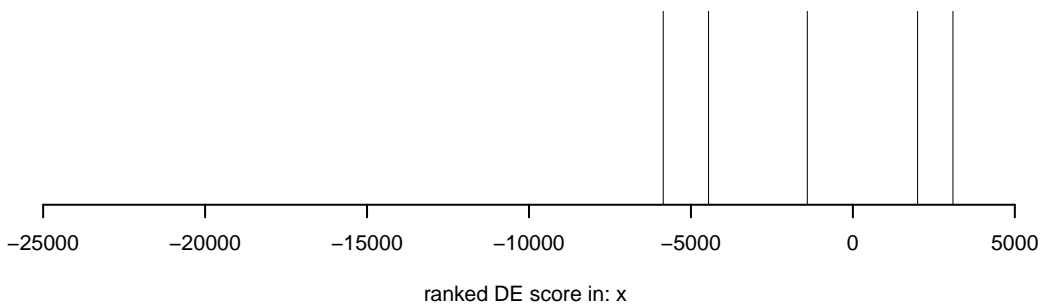
beeswarm plot



histogram

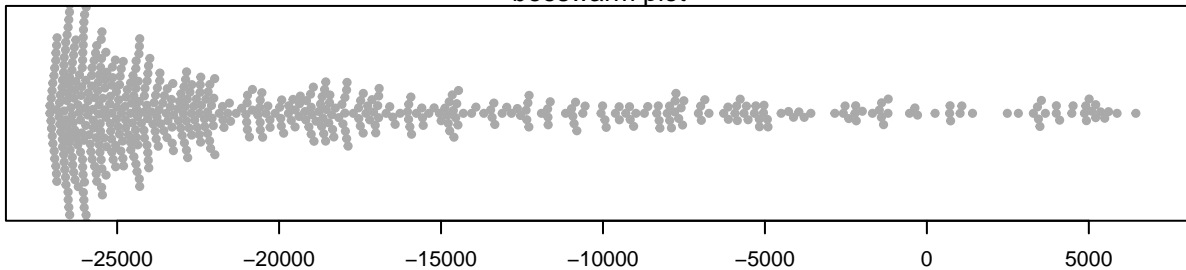


rugplot



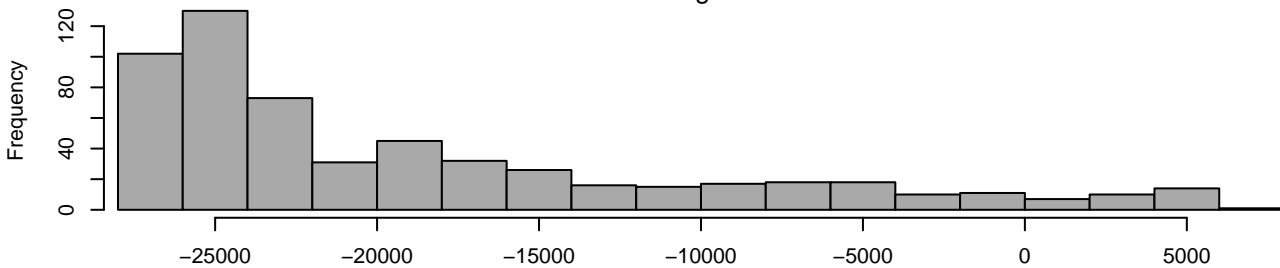
REACTOME_SENSORY_PERCEPTION

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

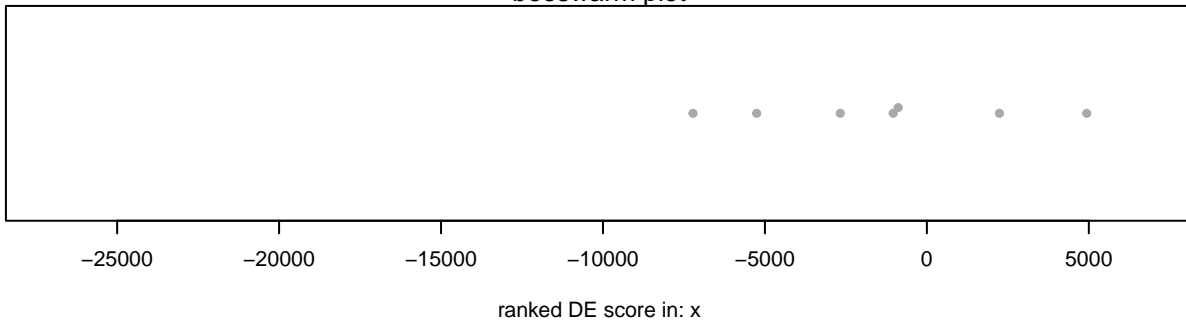
rugplot



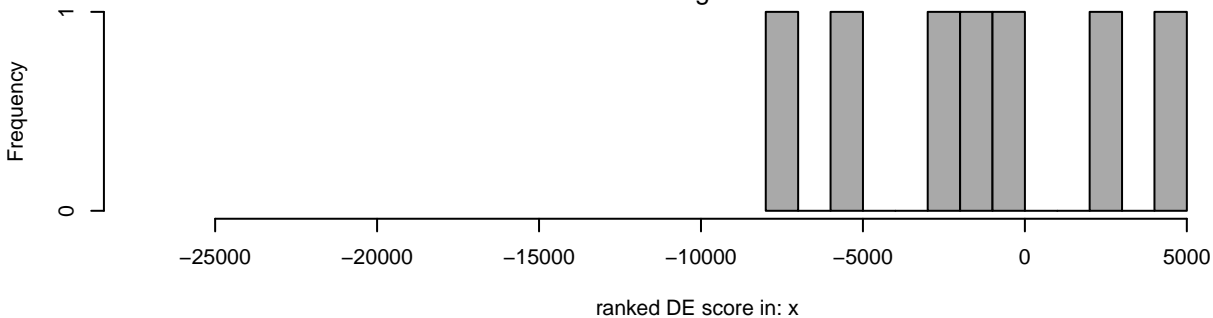
ranked DE score in: x

REACTOME_DEFECTIVE_CHST14_CAUSES_EDS_MUSCULOCONTRACTURAL_TYPE

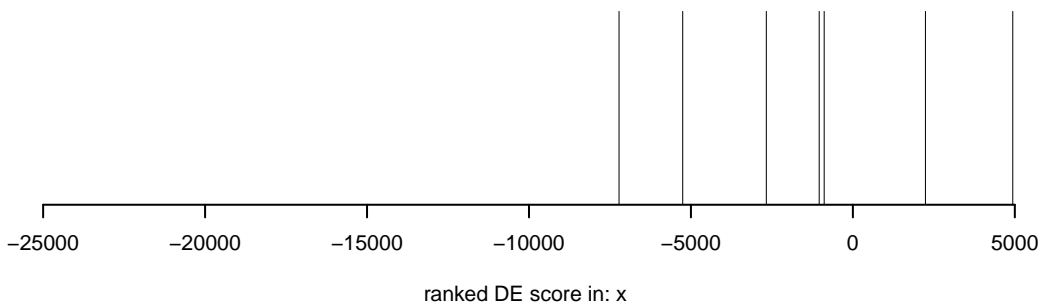
beeswarm plot



histogram

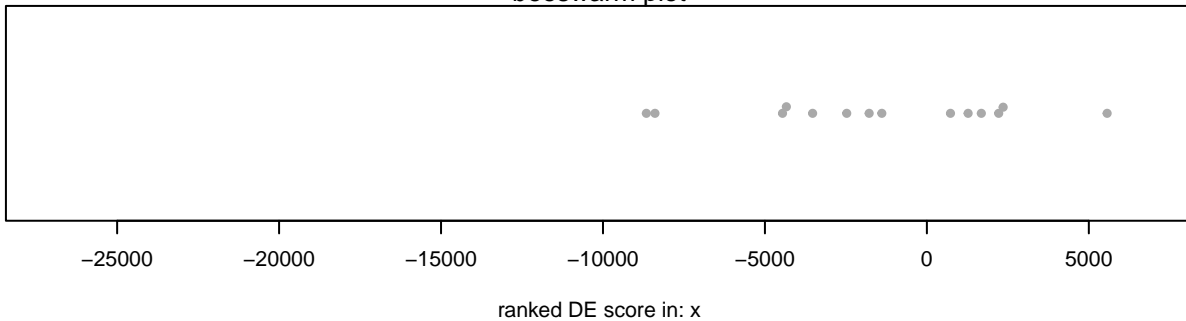


rugplot

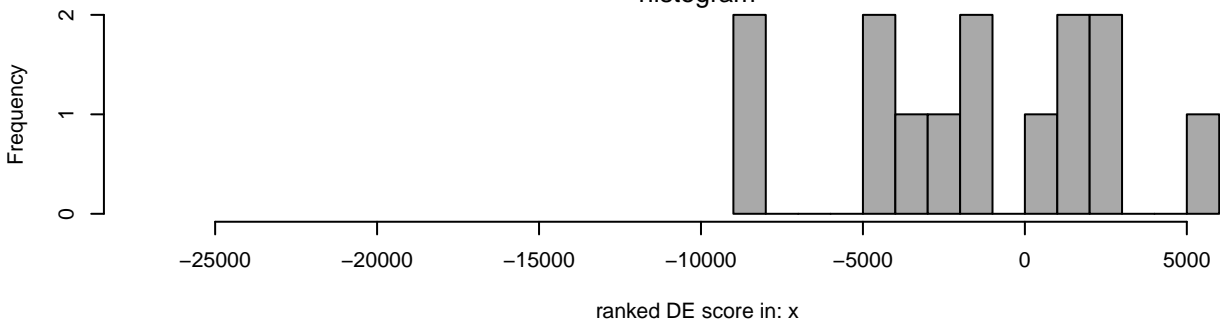


REACTOME_SIGNALING_BY_CTNNB1_PHOSPHO_SITE_MUTANTS

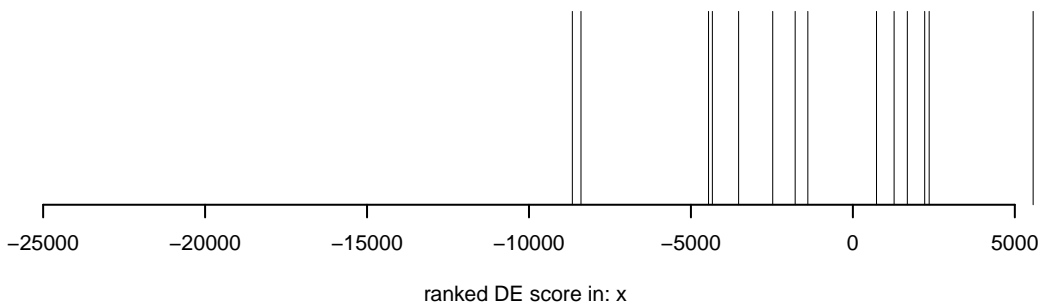
beeswarm plot



histogram

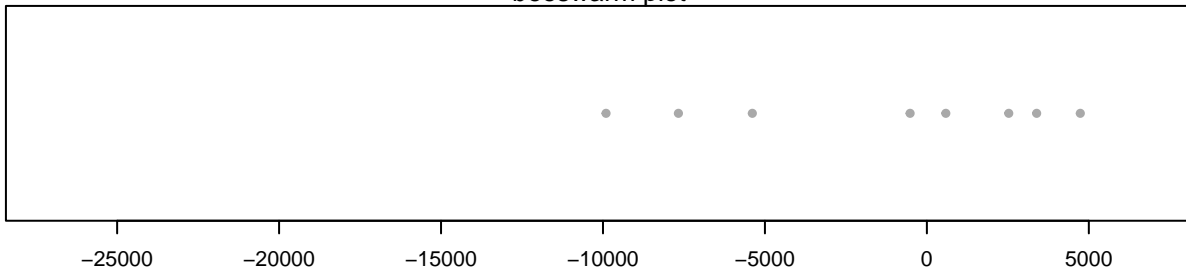


rugplot



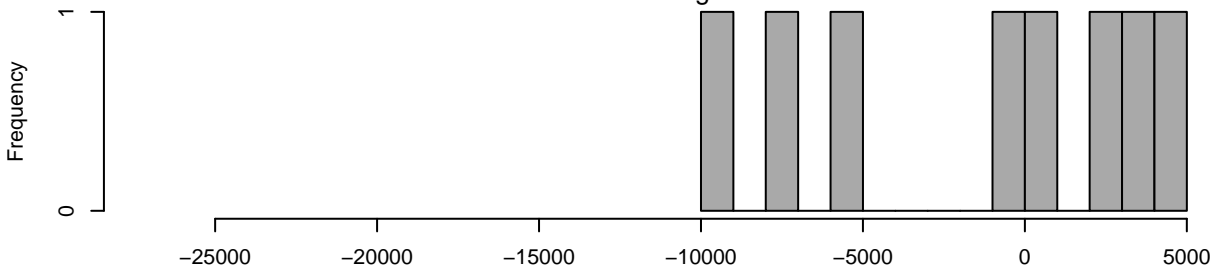
REACTOME_ROLE_OF_ABL_IN_ROBO_SLIT_SIGNALING

beeswarm plot



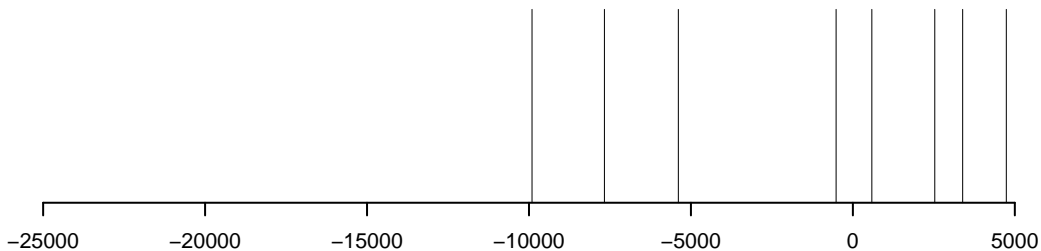
ranked DE score in: x

histogram



ranked DE score in: x

rugplot



ranked DE score in: x