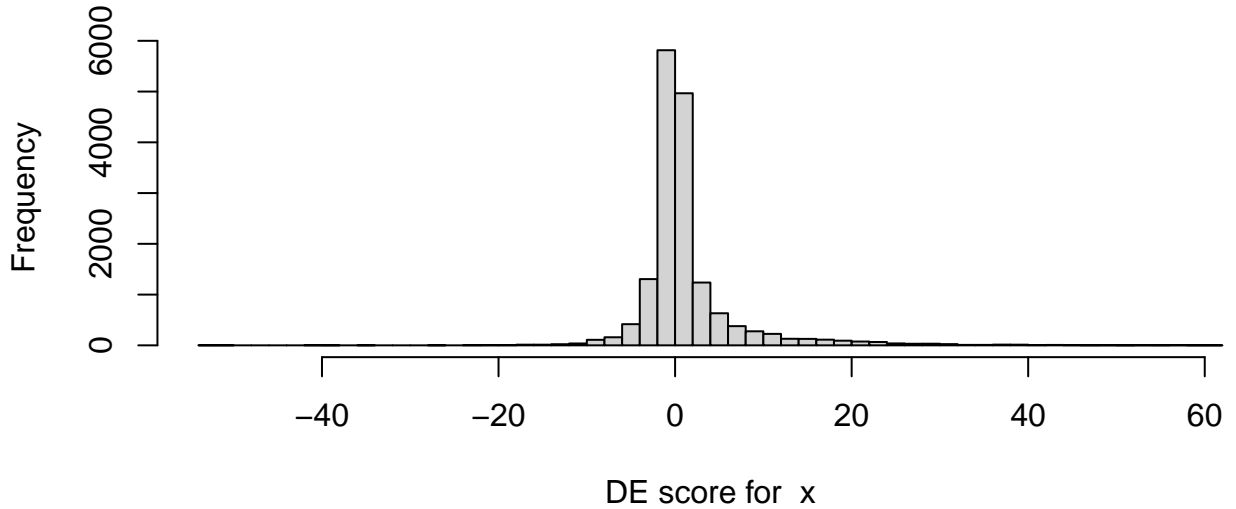
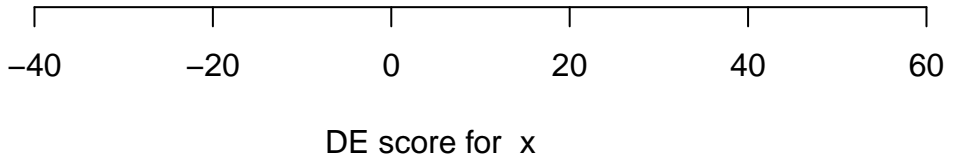


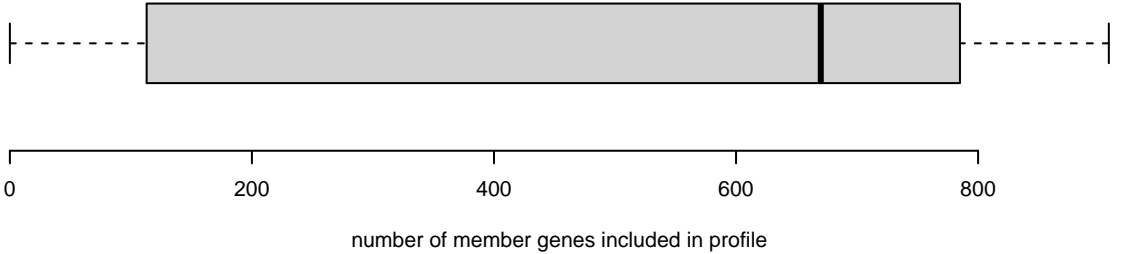
# Distribution of DE scores



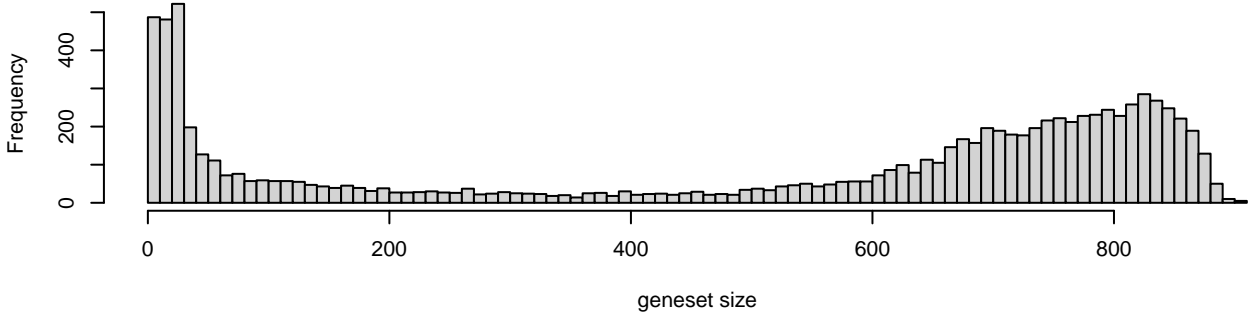
16428 genes in total, 8521 trending up-regulated, 7907 trending down-regulated



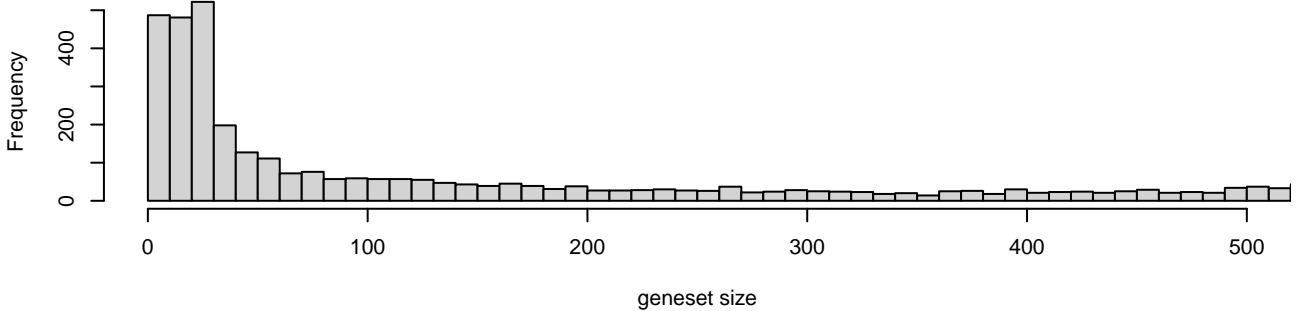
## Gene set size



## Histogram of geneset size

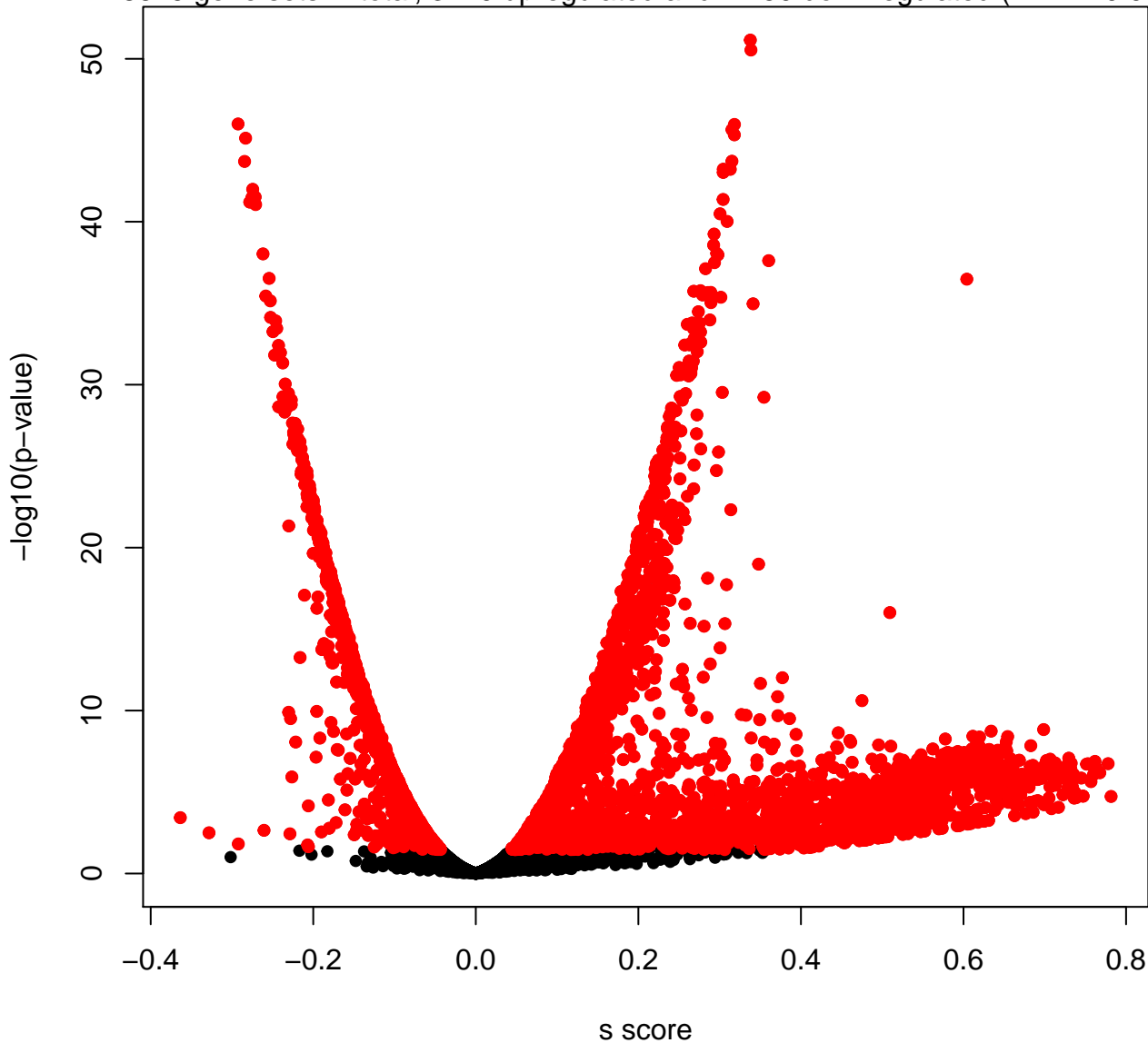


## Trimmed histogram of geneset size



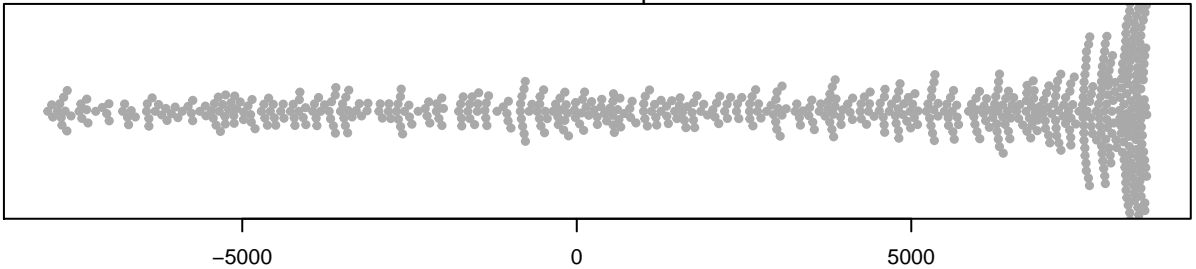
# volcano plot of gene set enrichments

8619 gene sets in total, 3420 upregulated and 2450 downregulated (FDR $\leq$ 0.05)

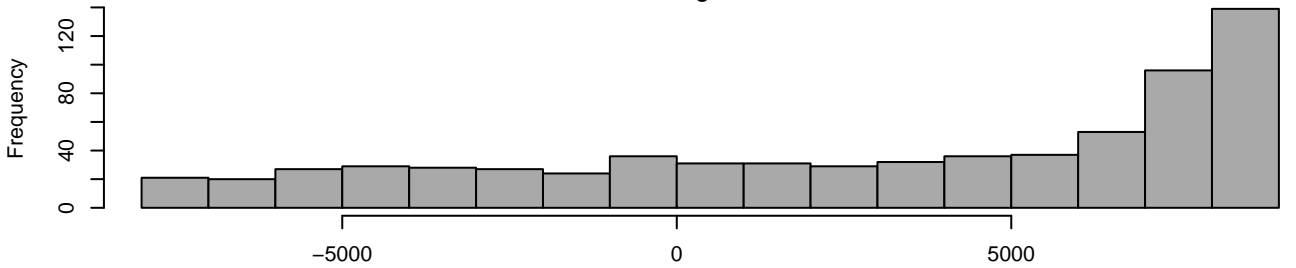


# STAT1\_None\_Macrophage\_5379

beeswarm plot



histogram



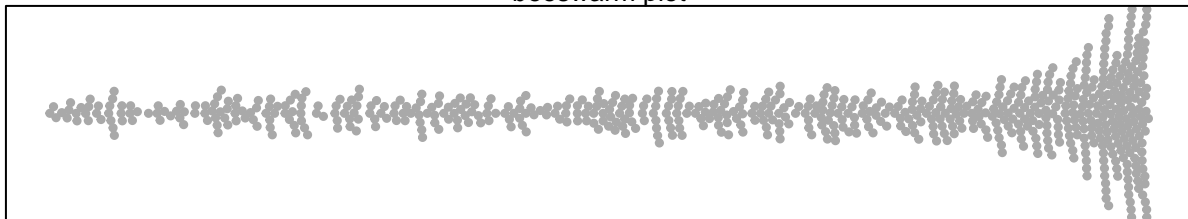
rugplot



ranked DE score in: x

# NCOR2\_None\_Macrophage\_9637

beeswarm plot



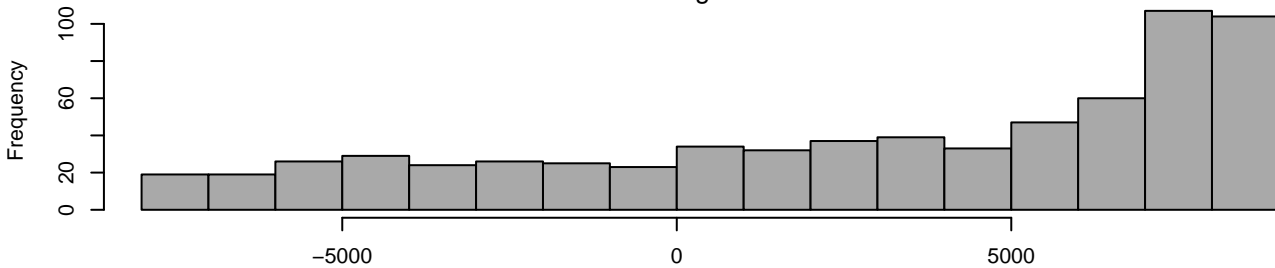
-5000

0

5000

ranked DE score in: x

histogram



100

60

20

0

Frequency

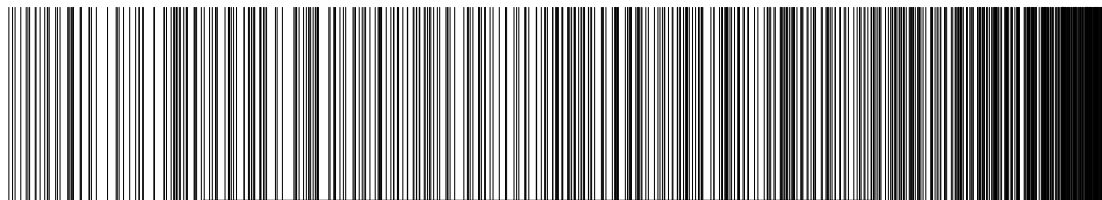
-5000

0

5000

ranked DE score in: x

rugplot



-5000

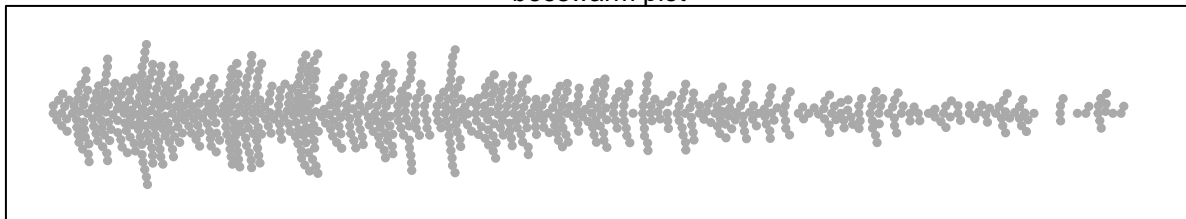
0

5000

ranked DE score in: x

# POLR2A\_None\_None\_87698

beeswarm plot



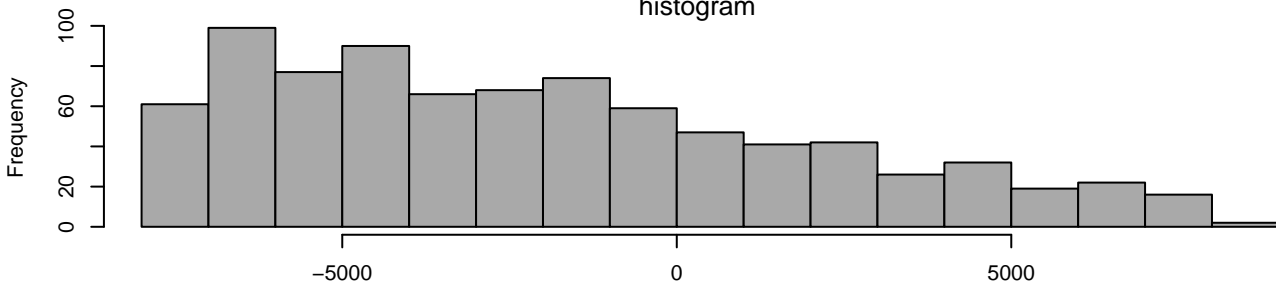
-5000

0

5000

ranked DE score in: x

histogram



100

60

20

0

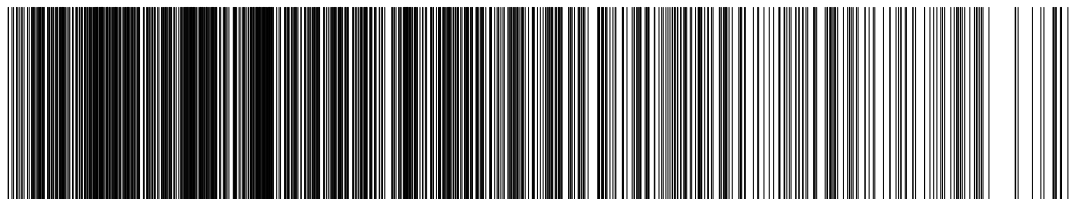
-5000

0

5000

ranked DE score in: x

rugplot



-5000

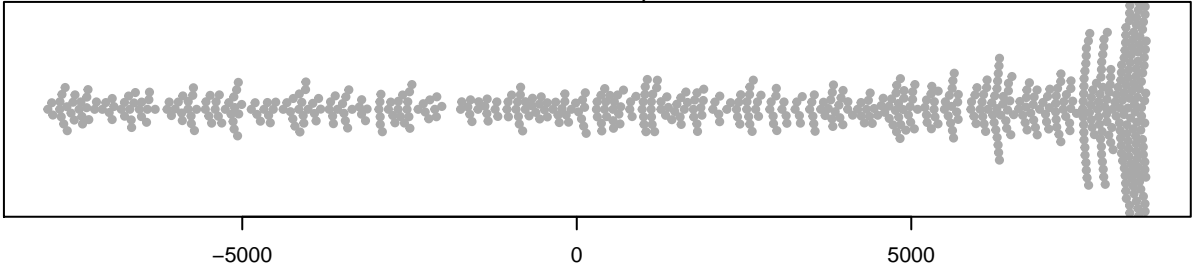
0

5000

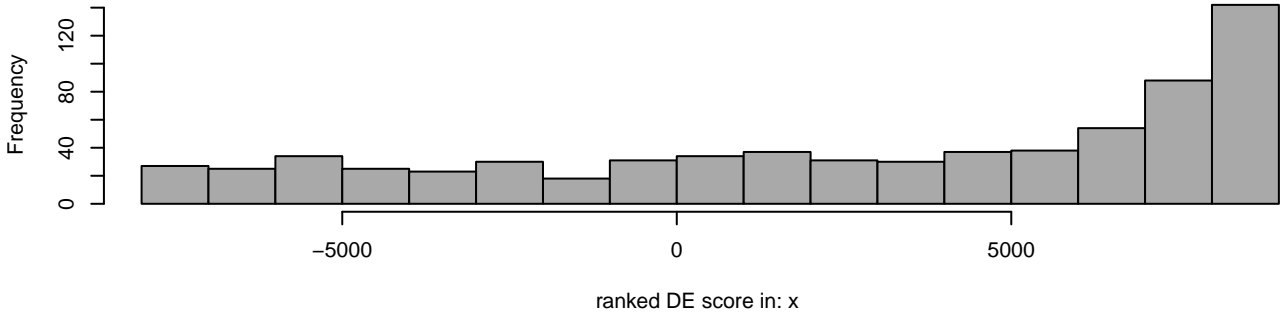
ranked DE score in: x

# STAT1\_None\_Macrophage\_5383

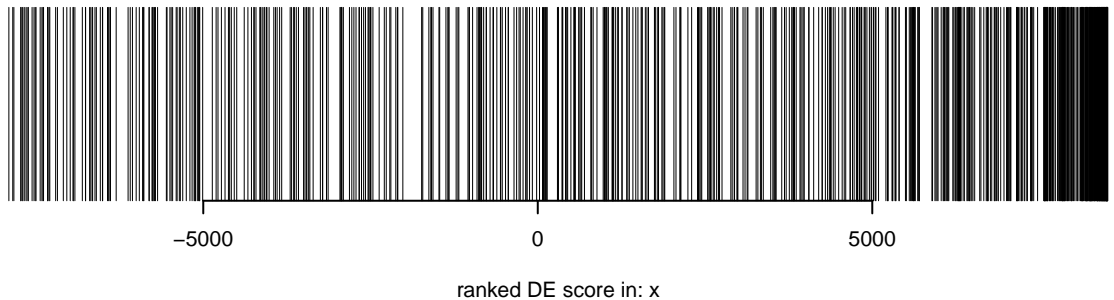
beeswarm plot



histogram

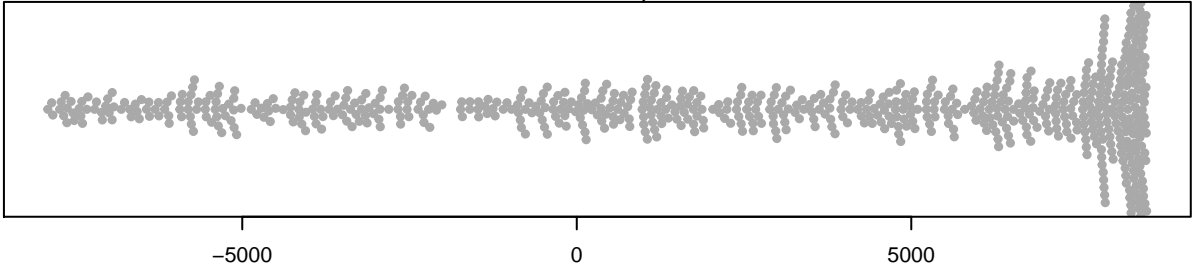


rugplot



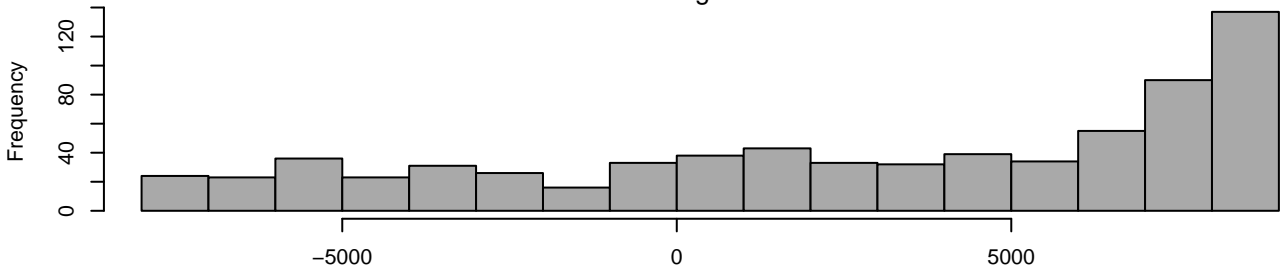
# STAT1\_None\_Macrophage\_5377

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

rugplot

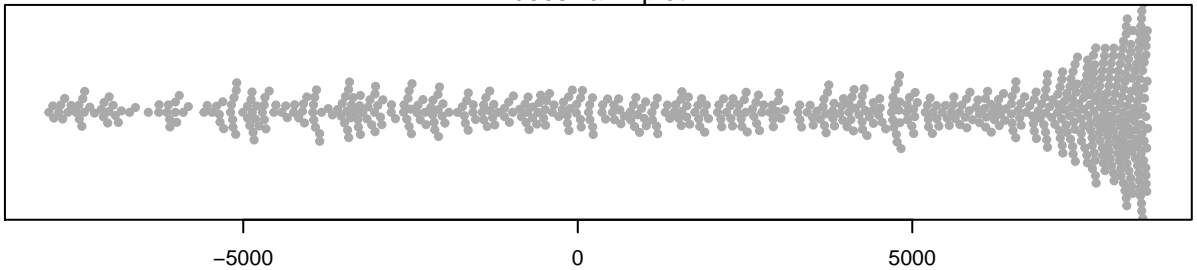


ranked DE score in: x



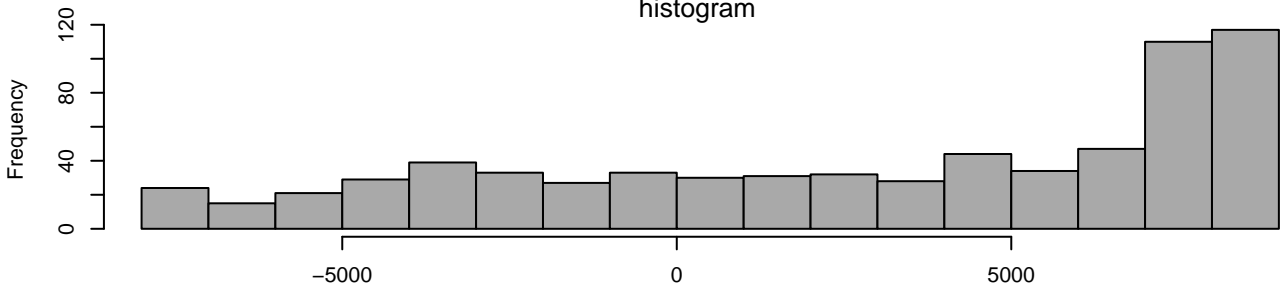
# IRF8\_None\_Macrophage\_51059

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

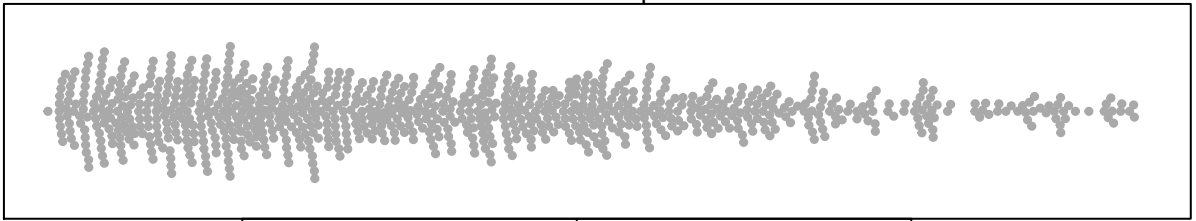
rugplot



ranked DE score in: x

# POLR2A\_None\_None\_72694

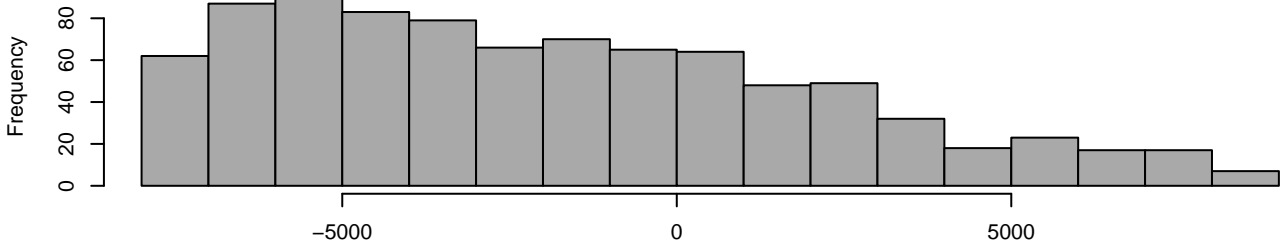
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



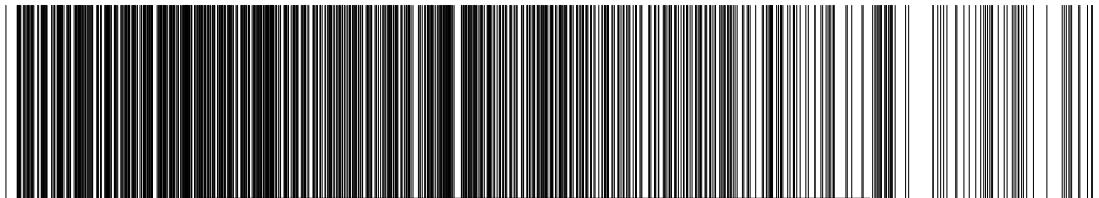
-5000

0

5000

ranked DE score in: x

rugplot



-5000

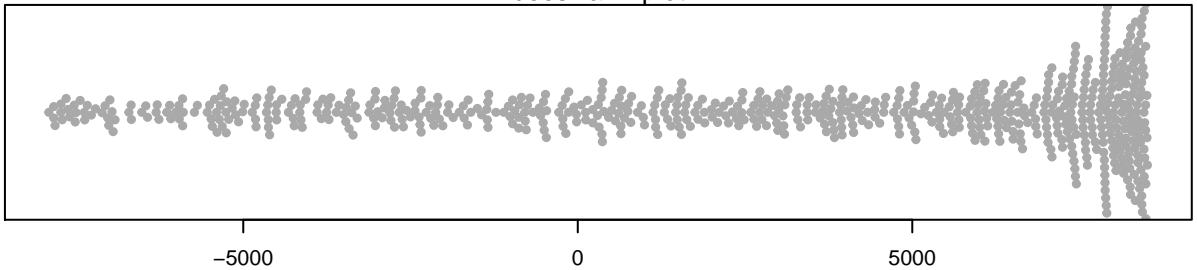
0

5000

ranked DE score in: x

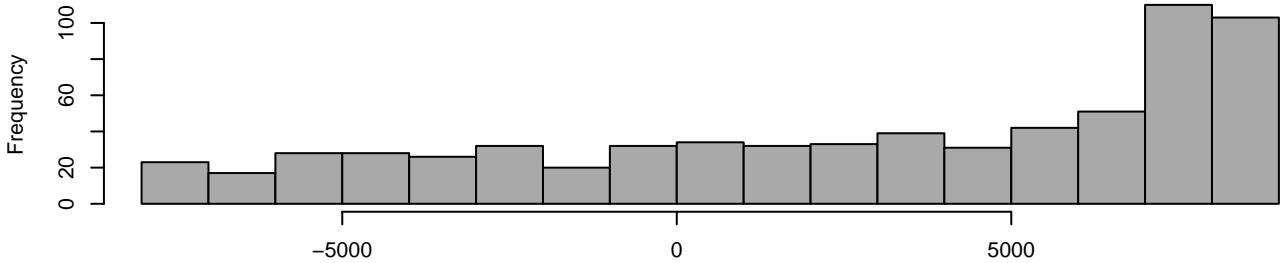
# HDAC3\_None\_Macrophage\_82102

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

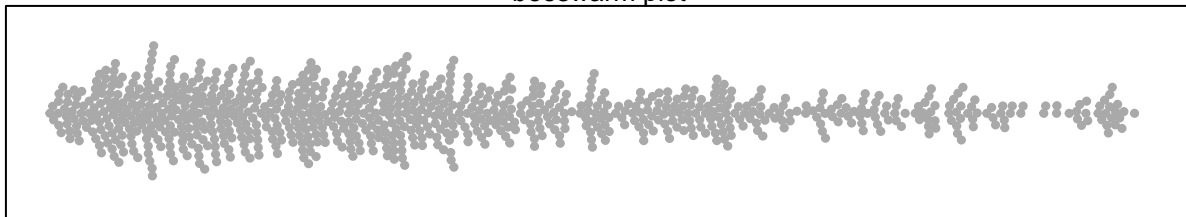
rugplot



ranked DE score in: x

# SIRT1\_None\_SatelliteCells\_51941

beeswarm plot



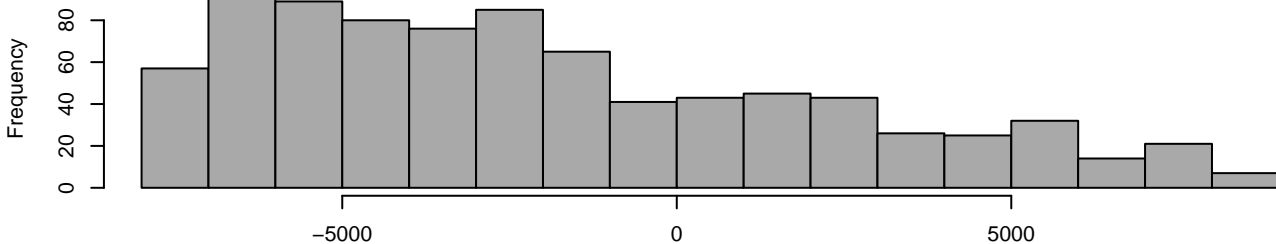
-5000

0

5000

ranked DE score in: x

histogram



Frequency

80

60

40

20

0

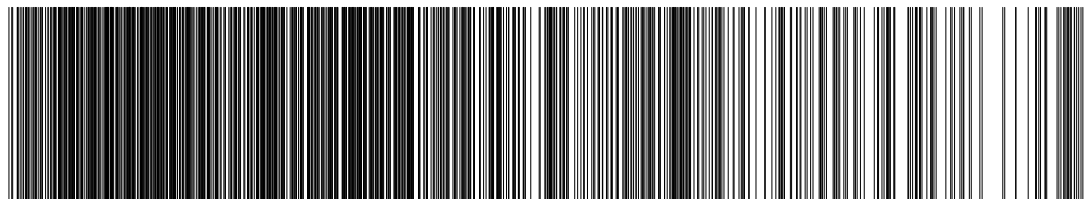
-5000

0

5000

ranked DE score in: x

rugplot



-5000

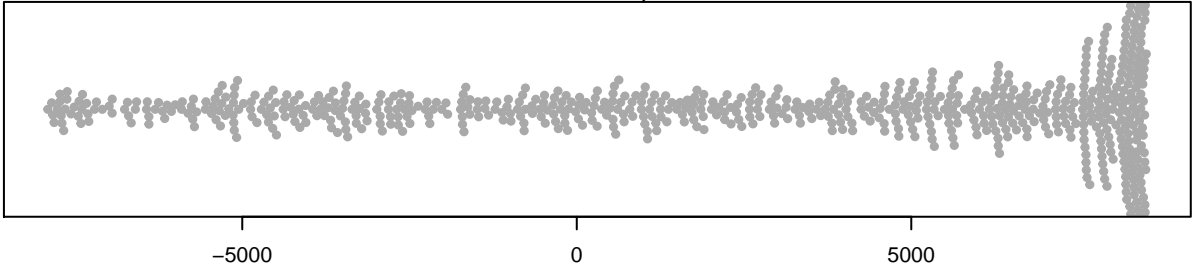
0

5000

ranked DE score in: x

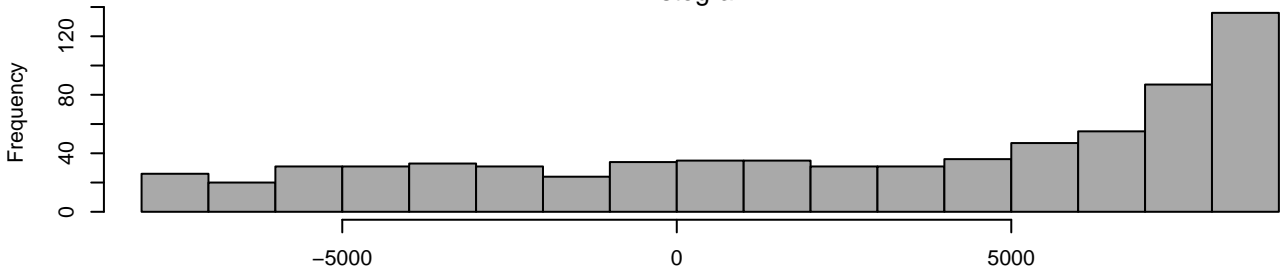
# STAT1\_None\_Macrophage\_5385

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

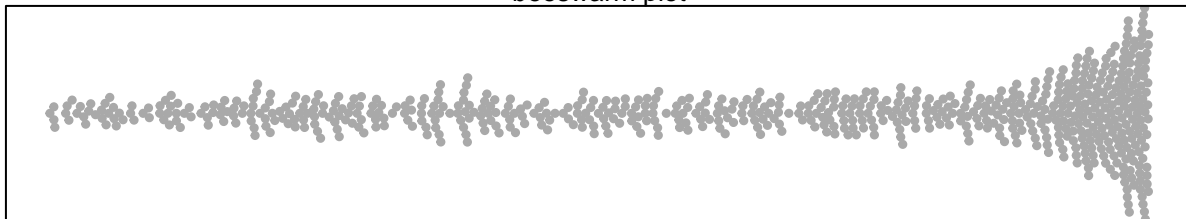
rugplot



ranked DE score in: x

# IRF8\_None\_Macrophage\_81563

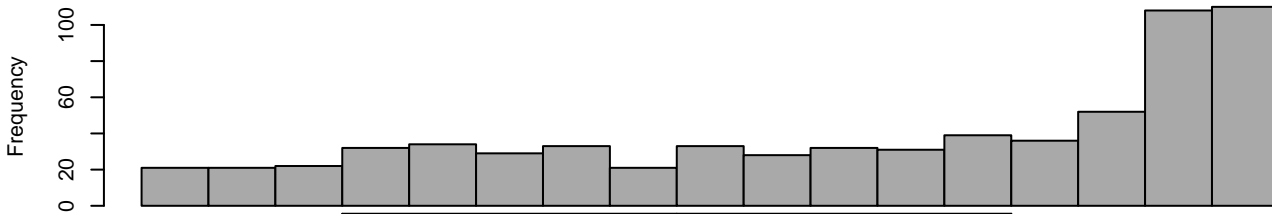
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



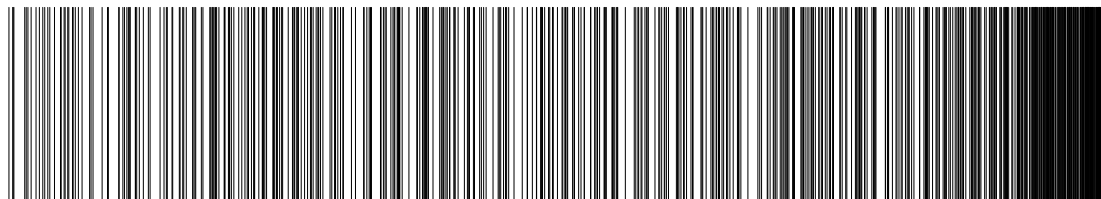
-5000

0

5000

ranked DE score in: x

rugplot



-5000

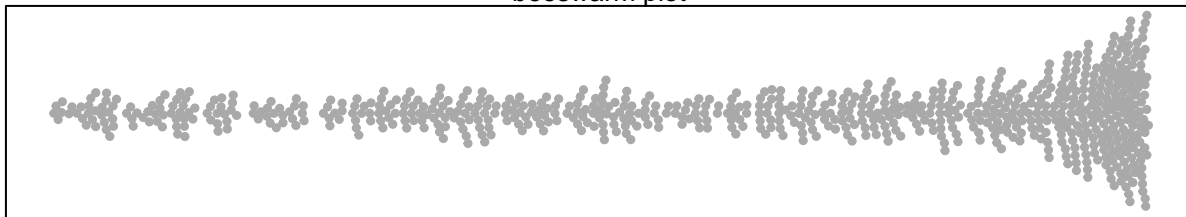
0

5000

ranked DE score in: x

# SPI1\_X18.1.1\_MyeloidCell\_54713

beeswarm plot



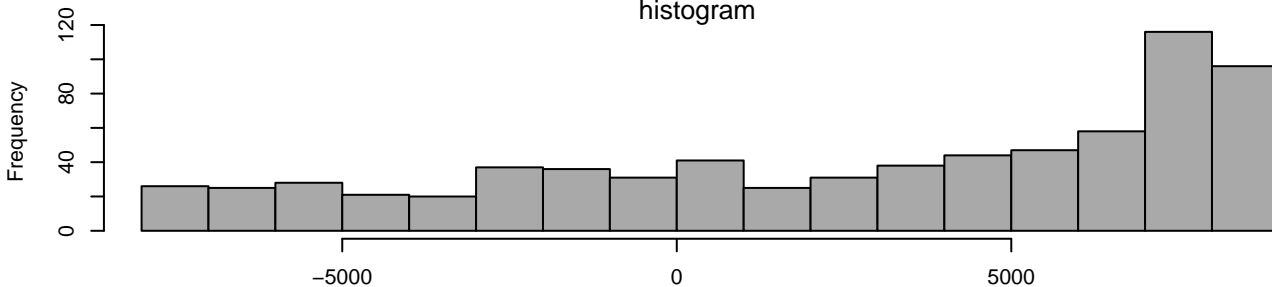
-5000

0

5000

ranked DE score in: x

histogram



120

80

40

0

Frequency

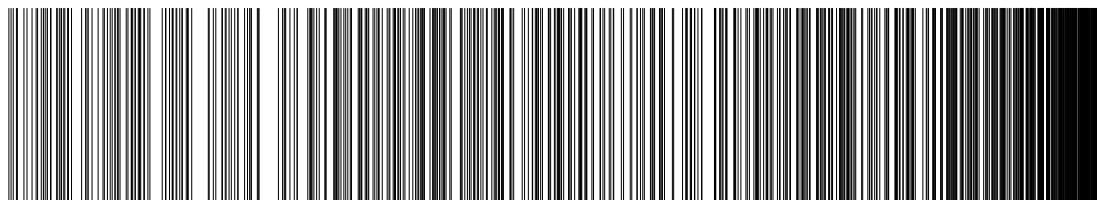
-5000

0

5000

ranked DE score in: x

rugplot



-5000

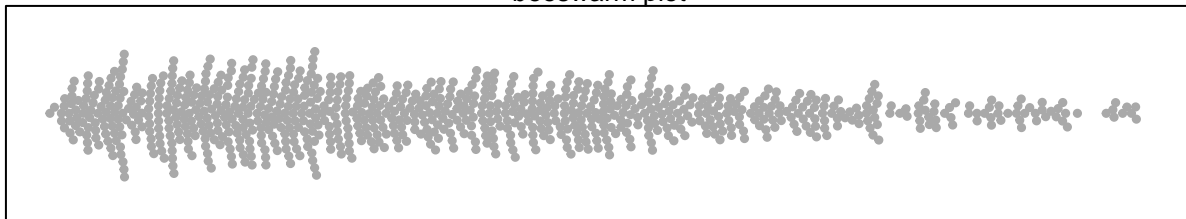
0

5000

ranked DE score in: x

# POLR2A\_None\_None\_72693

beeswarm plot



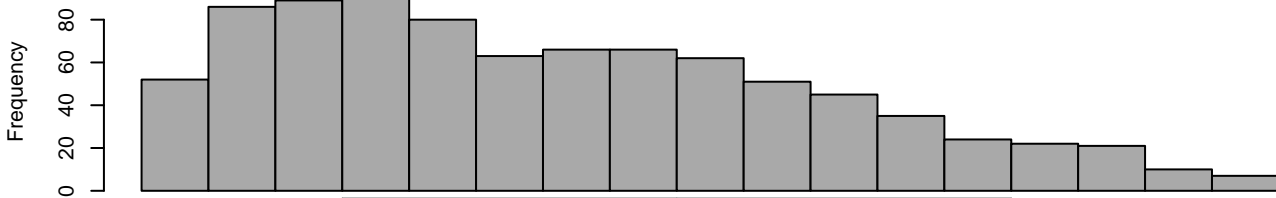
-5000

0

5000

ranked DE score in: x

histogram



Frequency

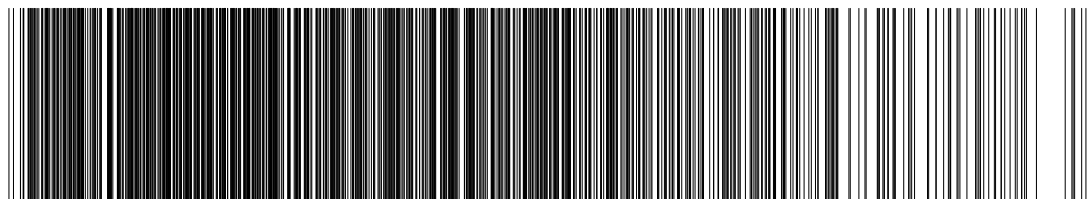
-5000

0

5000

ranked DE score in: x

rugplot



-5000

0

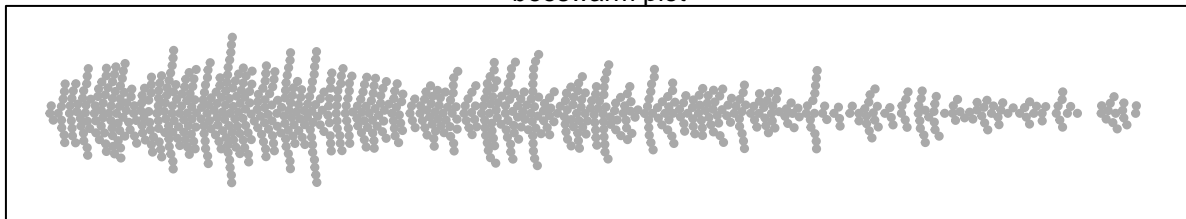
5000

ranked DE score in: x



# POLR2A\_None\_None\_72696

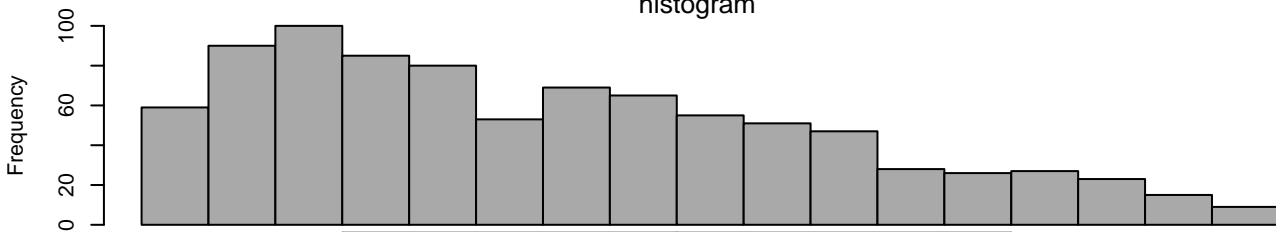
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



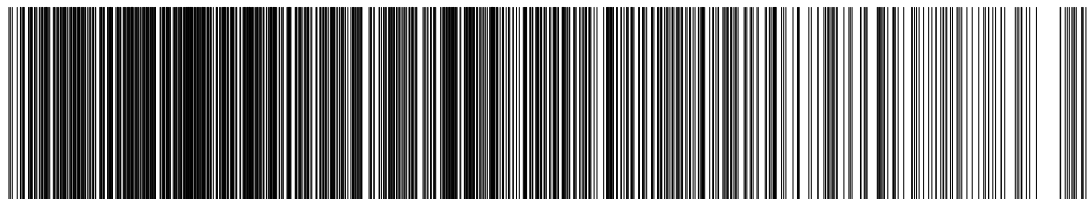
-5000

0

5000

ranked DE score in: x

rugplot



-5000

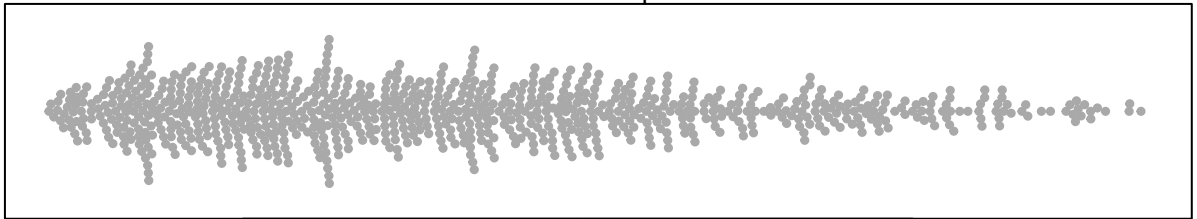
0

5000

ranked DE score in: x

# PPARG\_10T1\_2\_Fibroblast\_32988

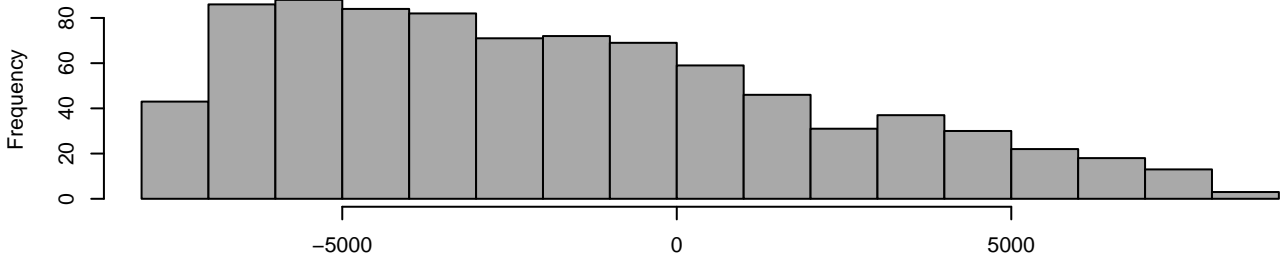
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



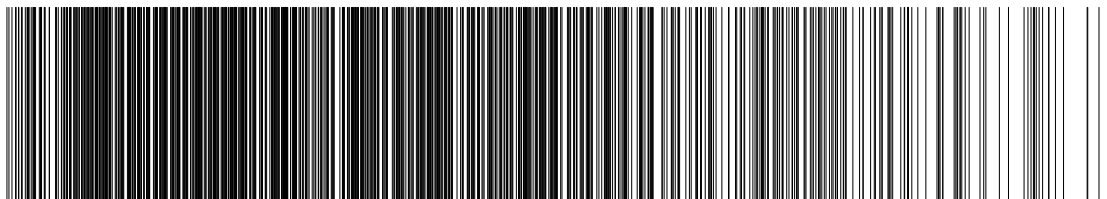
-5000

0

5000

ranked DE score in: x

rugplot



-5000

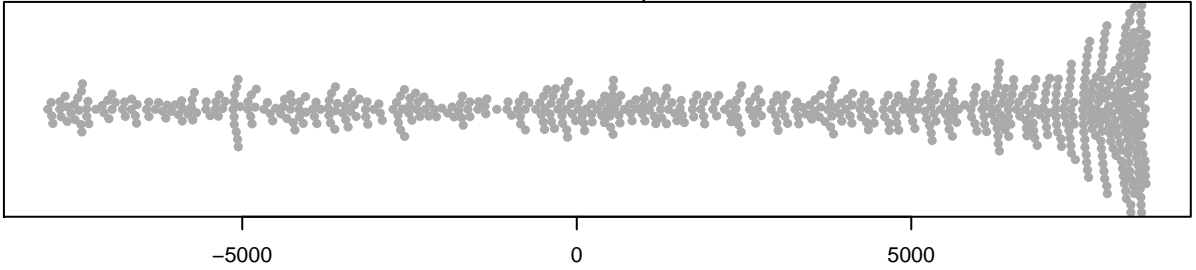
0

5000

ranked DE score in: x

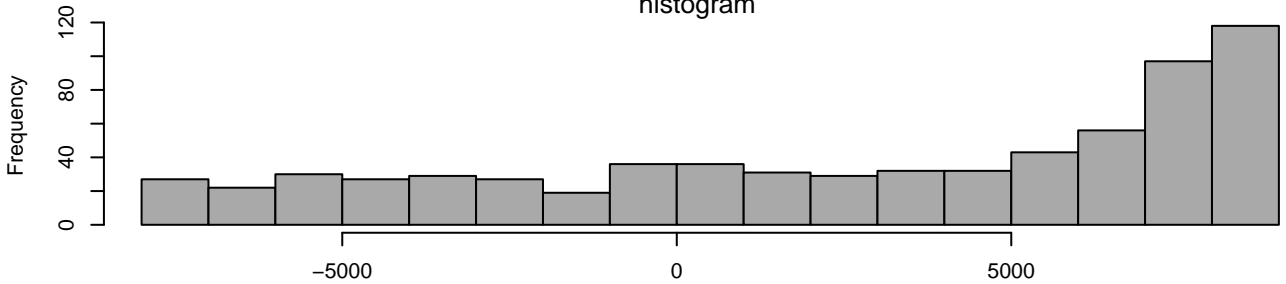
# STAT1\_None\_Macrophage\_5375

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

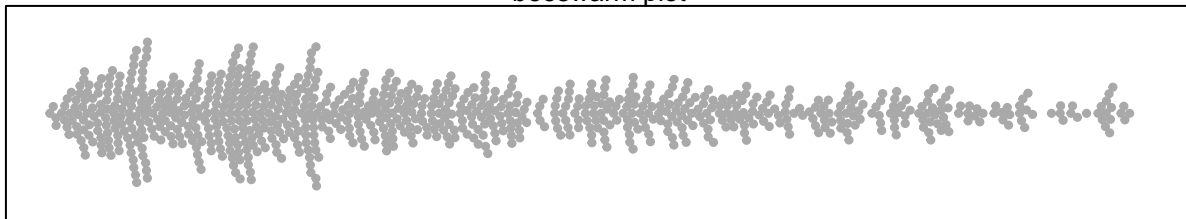
rugplot



ranked DE score in: x

# POLR2A\_None\_None\_87700

beeswarm plot



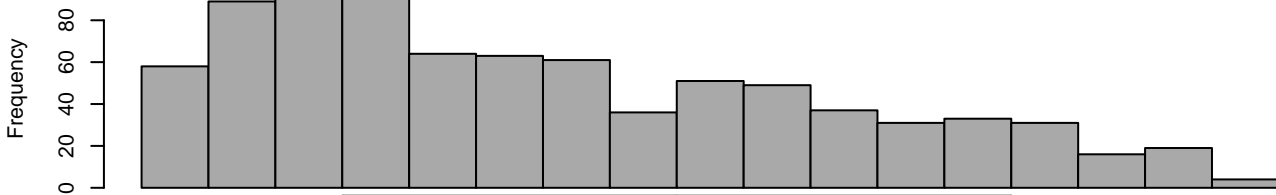
-5000

0

5000

ranked DE score in: x

histogram



Frequency

80

60

40

20

0

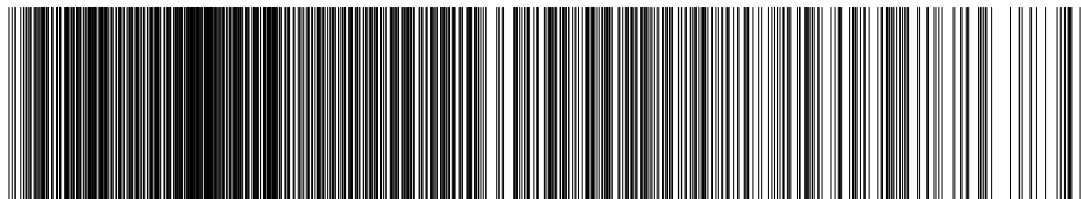
-5000

0

5000

ranked DE score in: x

rugplot



-5000

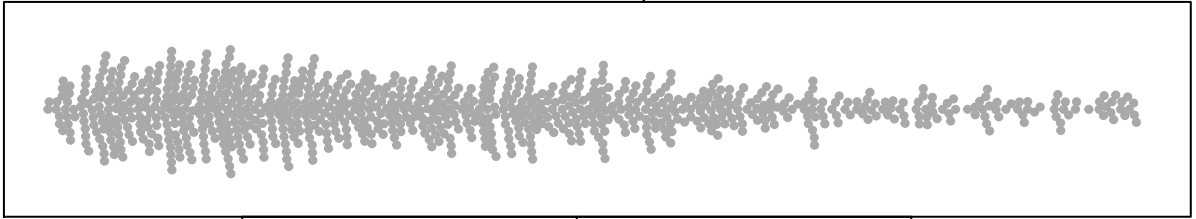
0

5000

ranked DE score in: x

# POLR2A\_None\_None\_72695

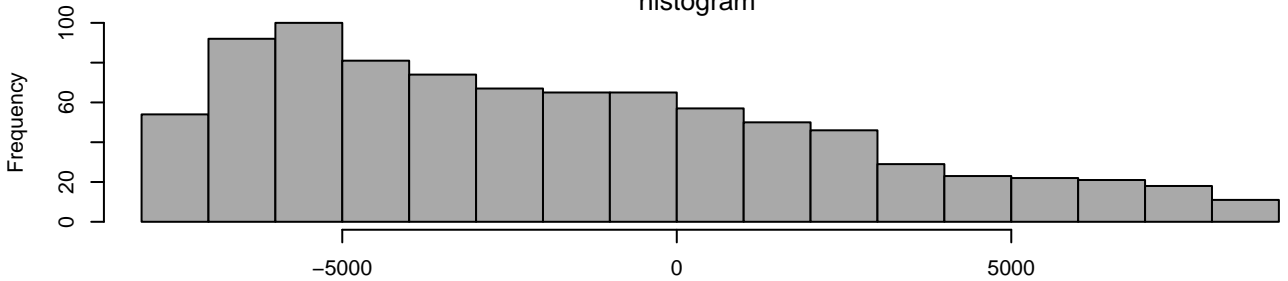
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



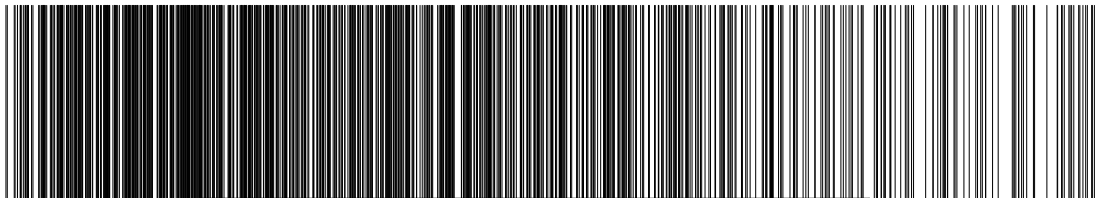
-5000

0

5000

ranked DE score in: x

rugplot



-5000

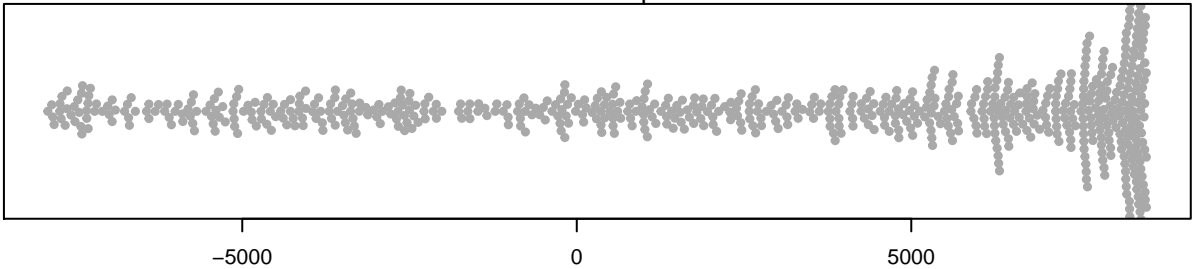
0

5000

ranked DE score in: x

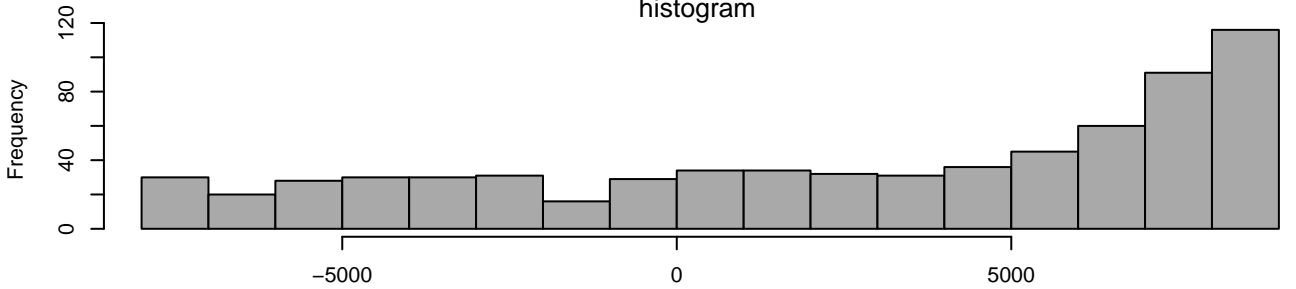
# STAT1\_None\_Macrophage\_5381

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

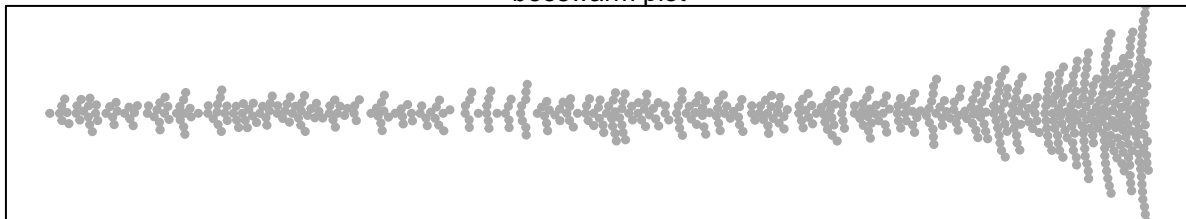
rugplot



ranked DE score in: x

# EP300\_None\_Macrophage\_81589

beeswarm plot



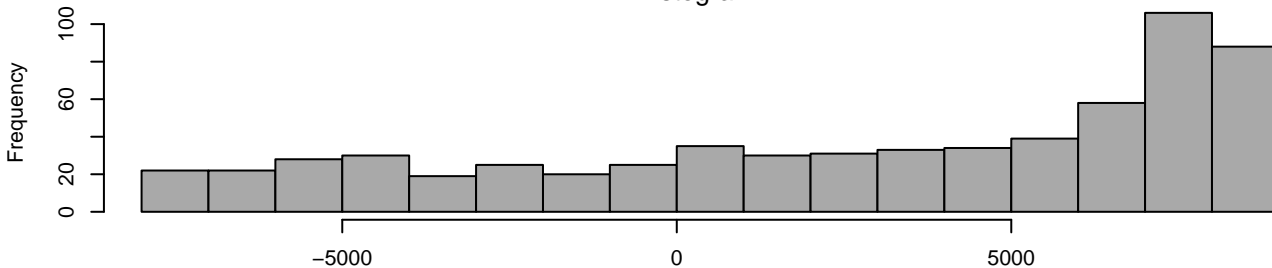
-5000

0

5000

ranked DE score in: x

histogram



100

60

20

0

Frequency

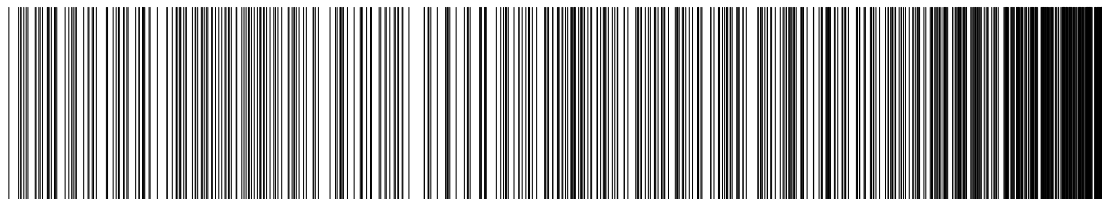
-5000

0

5000

ranked DE score in: x

rugplot



-5000

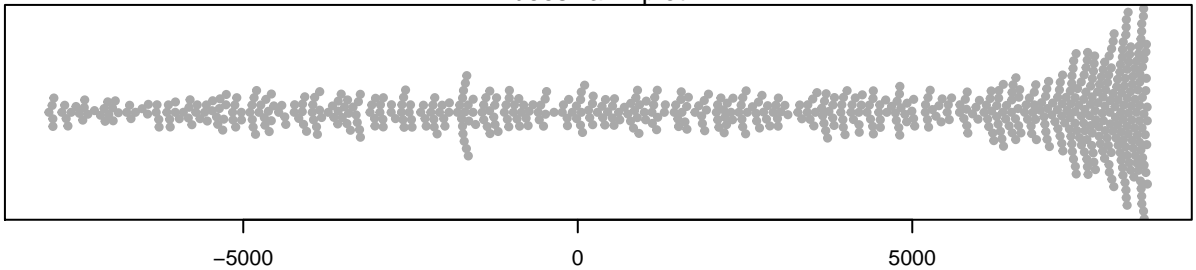
0

5000

ranked DE score in: x

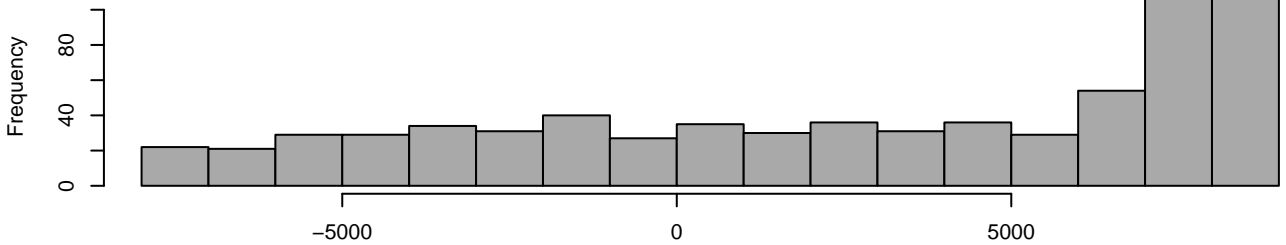
# IRF8\_None\_Macrophage\_81566

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

rugplot

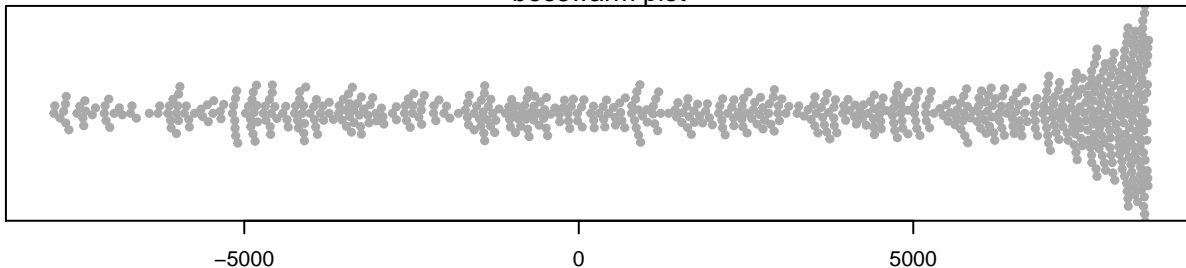


ranked DE score in: x



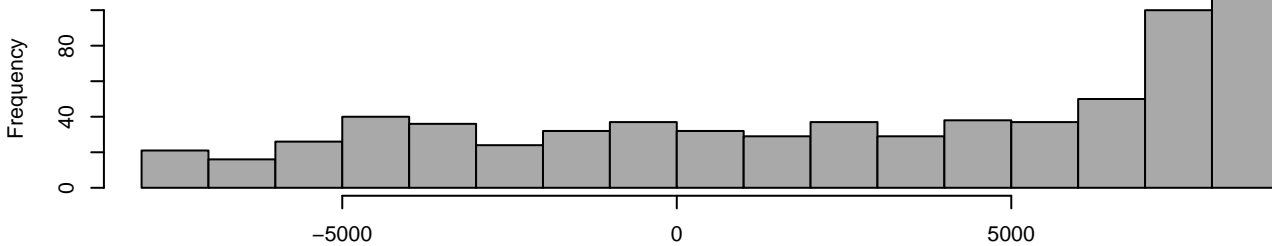
# IRF8\_None\_Macrophage\_51060

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

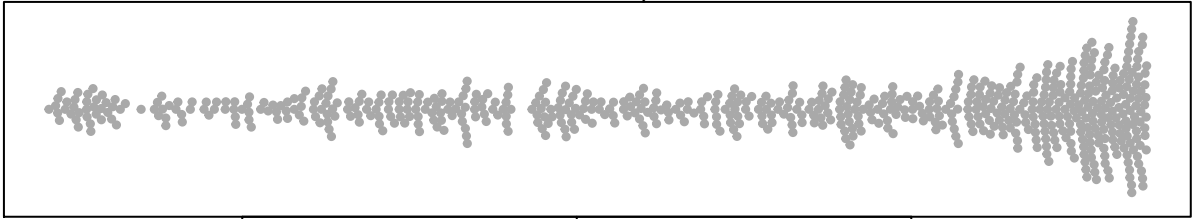
rugplot



ranked DE score in: x

# CBX7\_None\_BLymphocyte\_41197

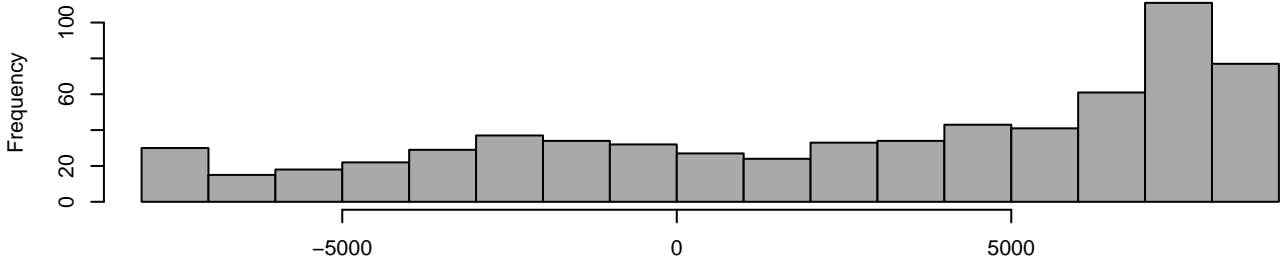
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



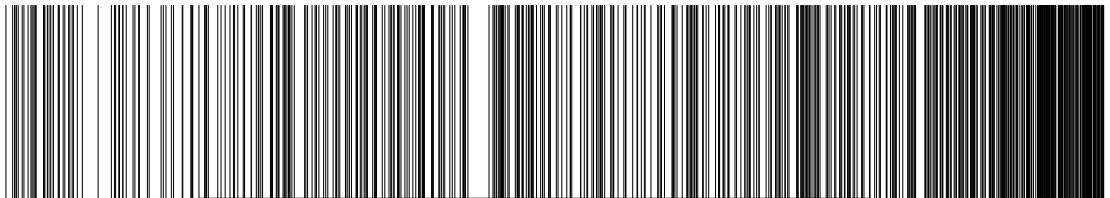
-5000

0

5000

ranked DE score in: x

rugplot



-5000

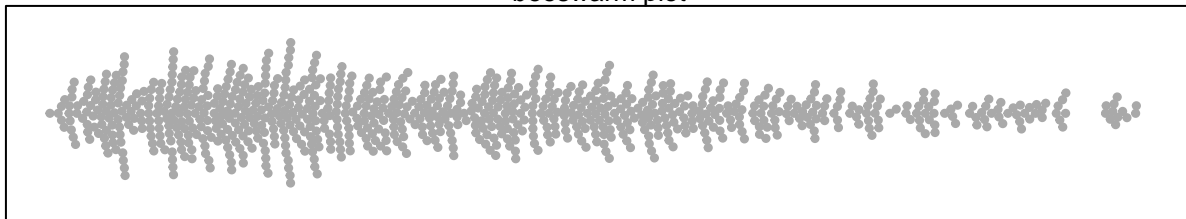
0

5000

ranked DE score in: x

# POLR2A\_None\_None\_72699

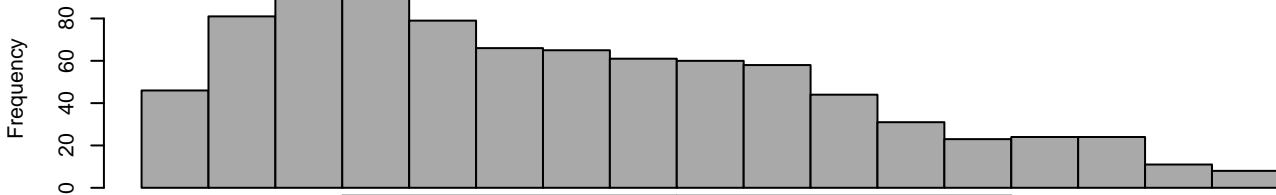
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



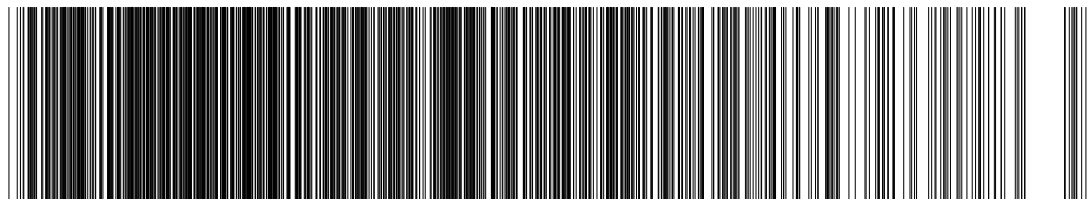
-5000

0

5000

ranked DE score in: x

rugplot



-5000

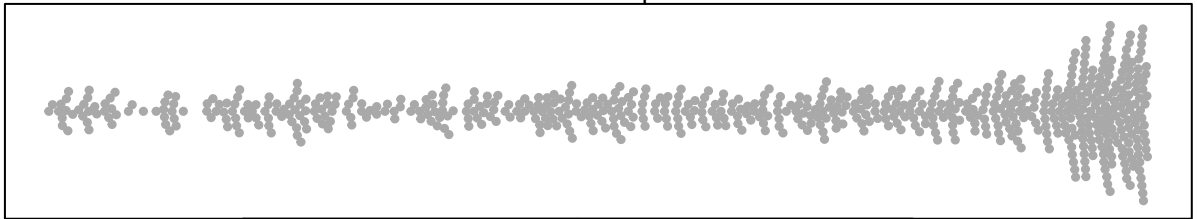
0

5000

ranked DE score in: x

# MAF\_None\_Macrophage\_67261

beeswarm plot



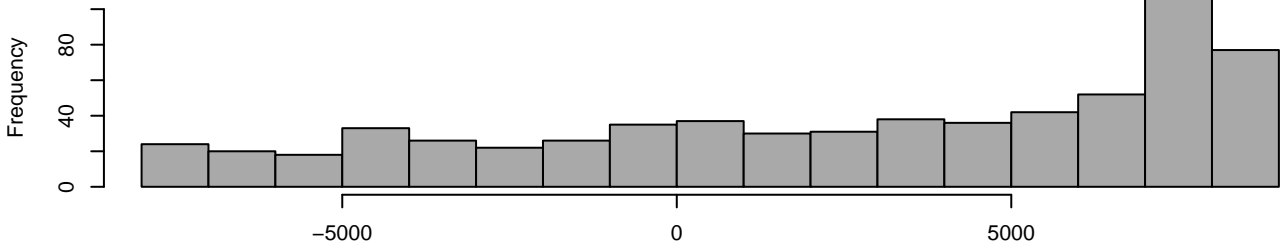
-5000

0

5000

ranked DE score in: x

histogram



Frequency

80

40

0

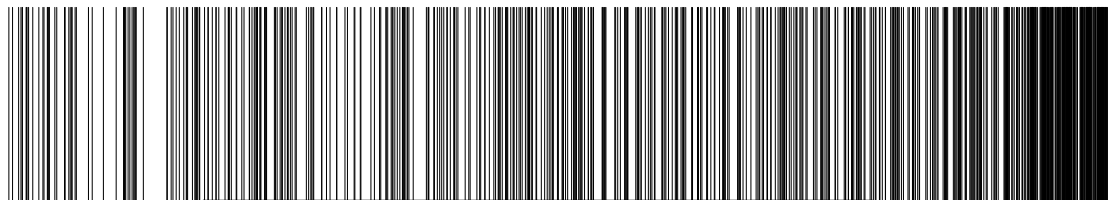
-5000

0

5000

ranked DE score in: x

rugplot



-5000

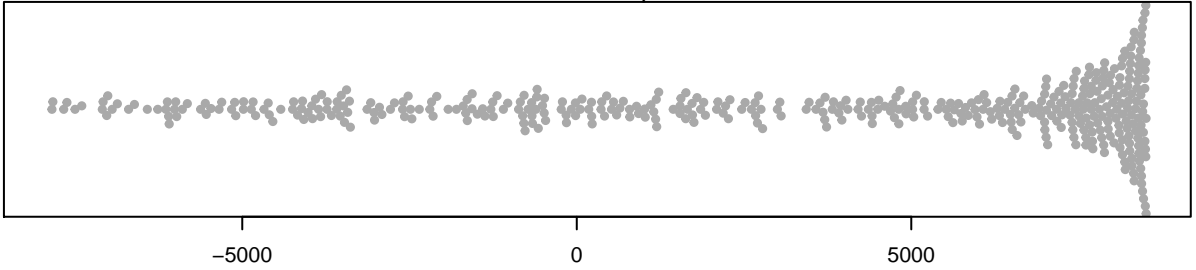
0

5000

ranked DE score in: x

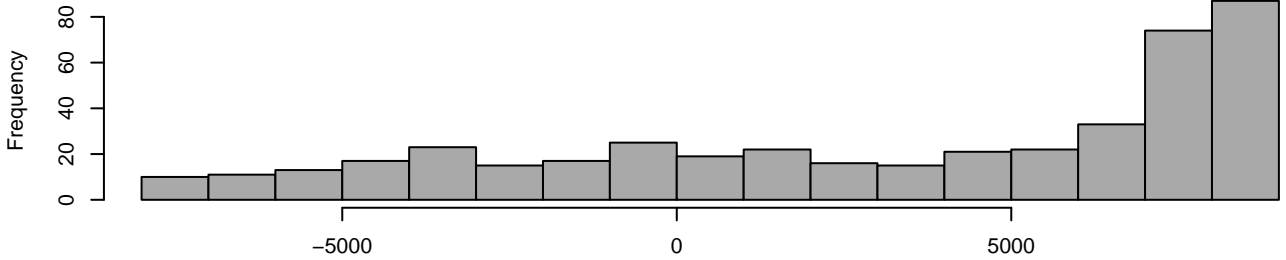
# IRF8\_None\_Macrophage\_67867

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

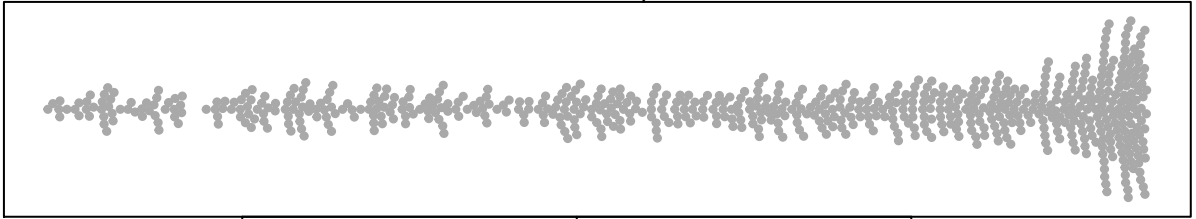
rugplot



ranked DE score in: x

# HDAC2\_None\_Macrophage\_84684

beeswarm plot



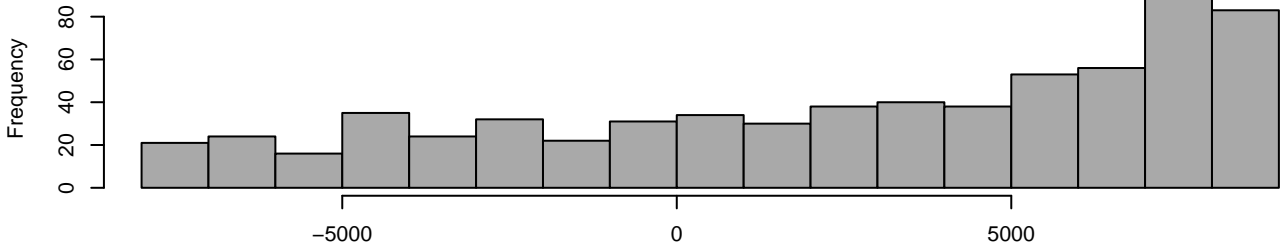
-5000

0

5000

ranked DE score in: x

histogram



Frequency

0

20

40

60

80

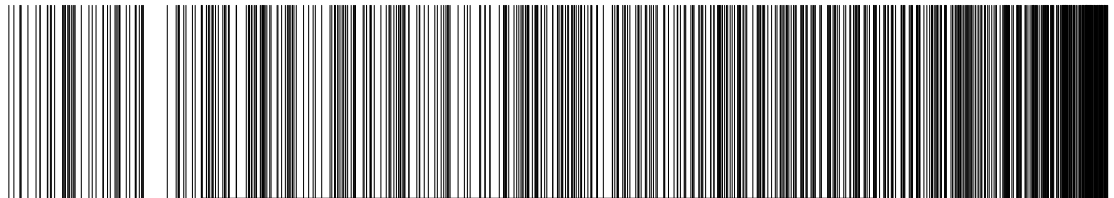
-5000

0

5000

ranked DE score in: x

rugplot



-5000

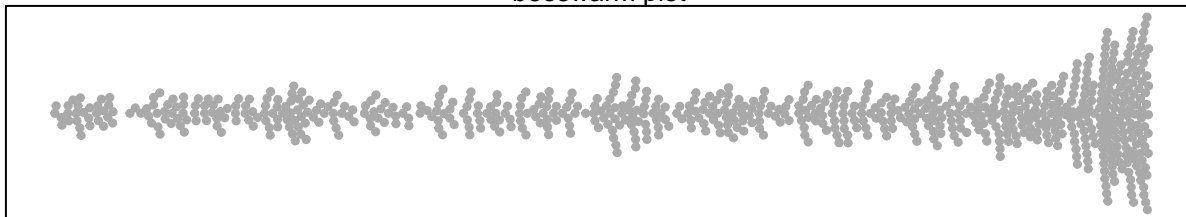
0

5000

ranked DE score in: x

# EP300\_None\_Macrophage\_87483

beeswarm plot



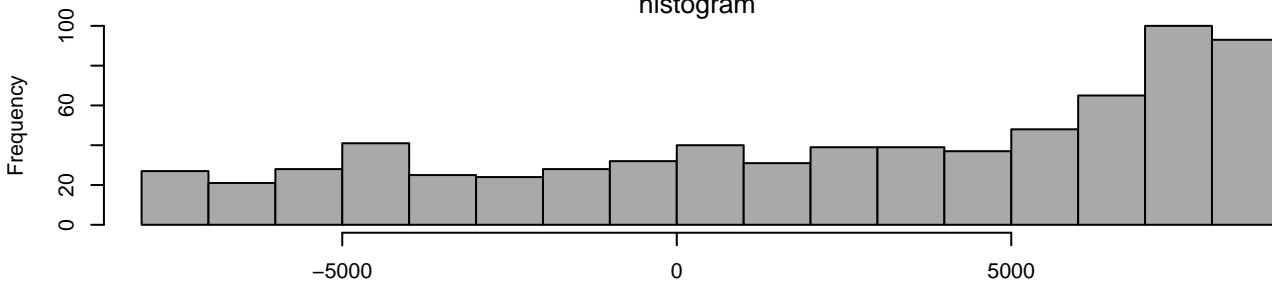
-5000

0

5000

ranked DE score in: x

histogram



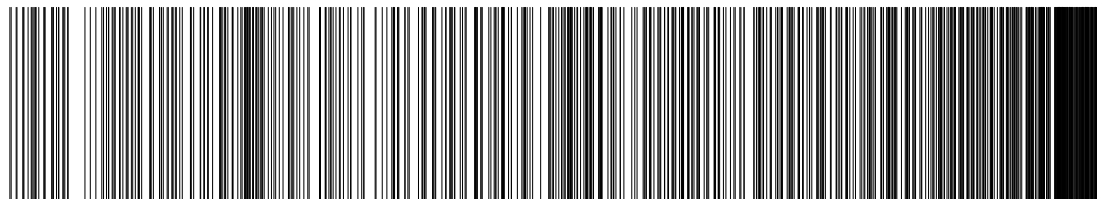
-5000

0

5000

ranked DE score in: x

rugplot



-5000

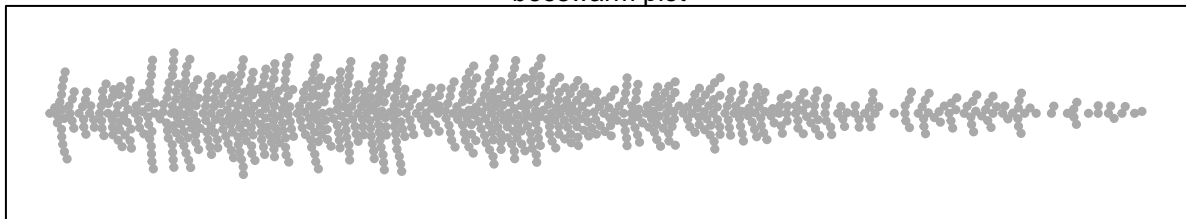
0

5000

ranked DE score in: x

# POLR2A\_None\_EmbryonicStemCell\_54534

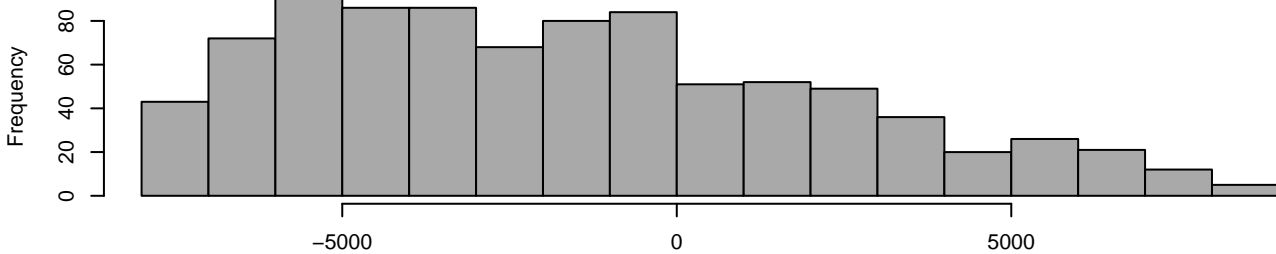
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



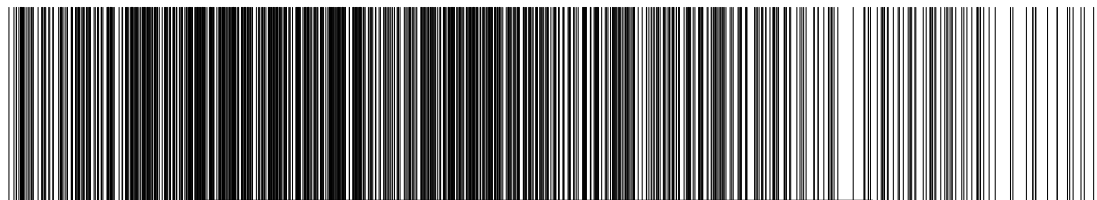
-5000

0

5000

ranked DE score in: x

rugplot



-5000

0

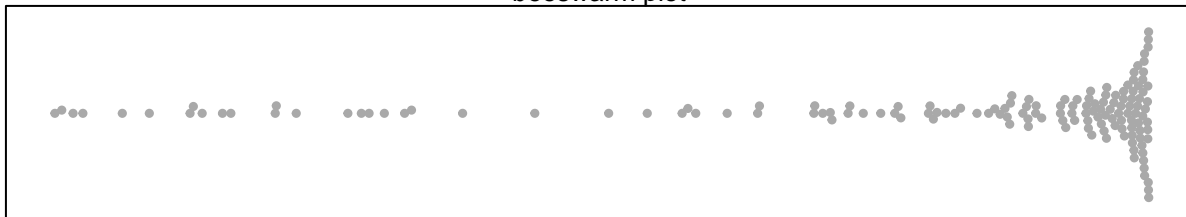
5000

ranked DE score in: x



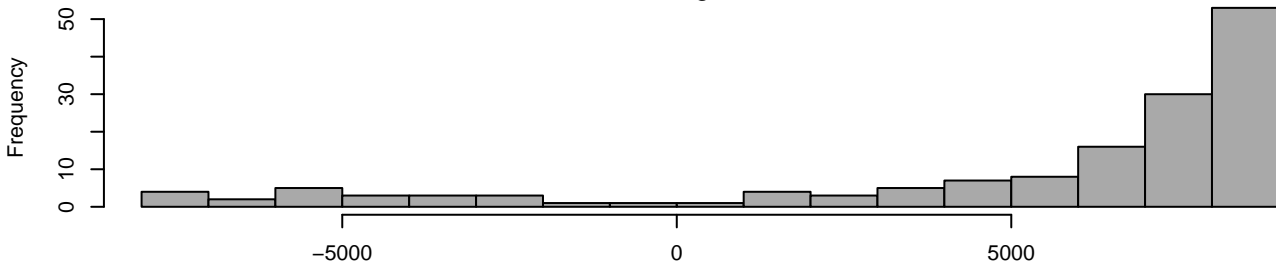
# STAT2\_None\_Macrophage\_51910

beeswarm plot



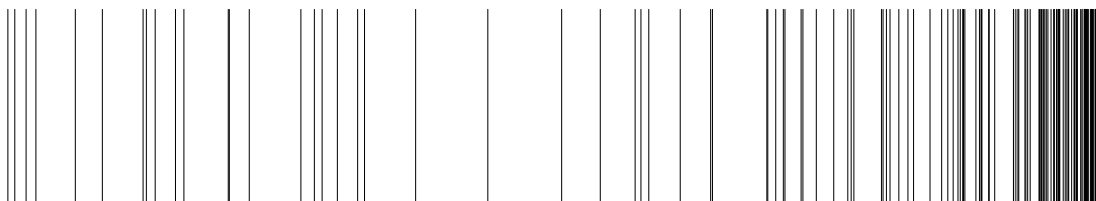
ranked DE score in: x

histogram



ranked DE score in: x

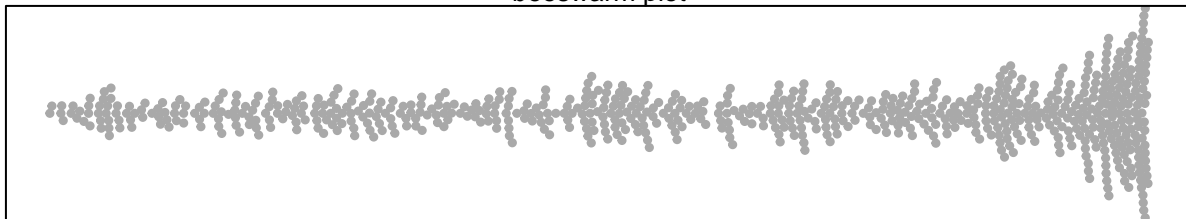
rugplot



ranked DE score in: x

# RELA\_None\_Macrophage\_70691

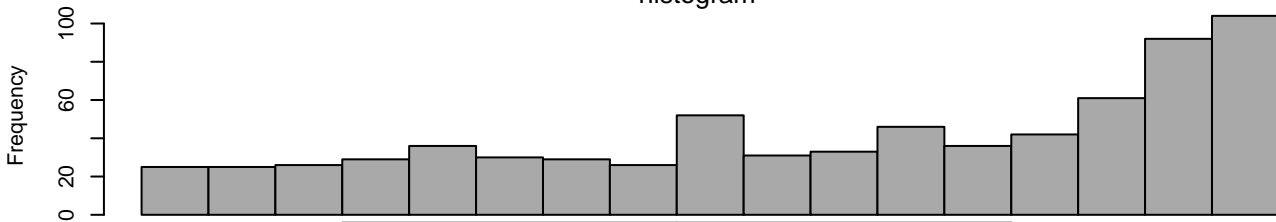
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



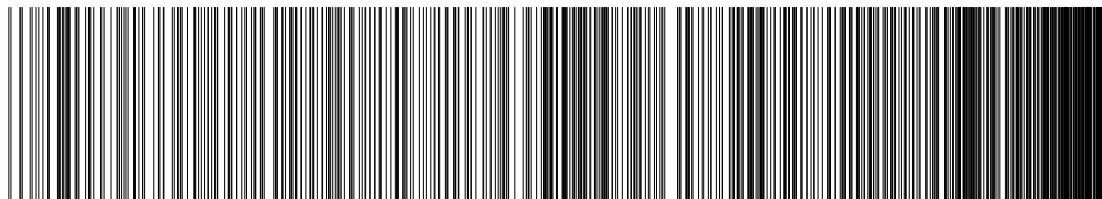
-5000

0

5000

ranked DE score in: x

rugplot



-5000

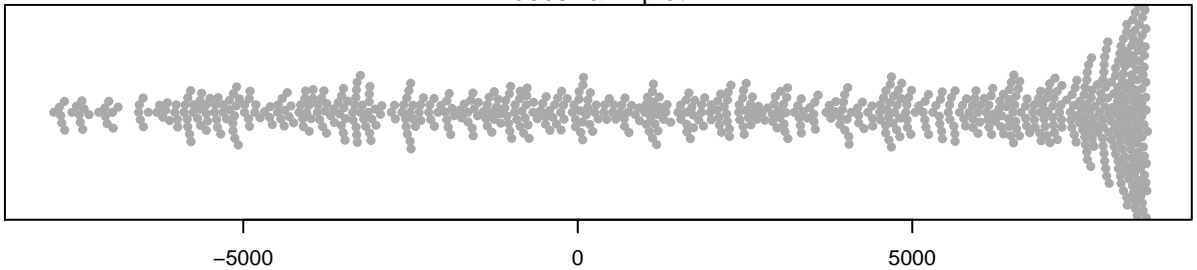
0

5000

ranked DE score in: x

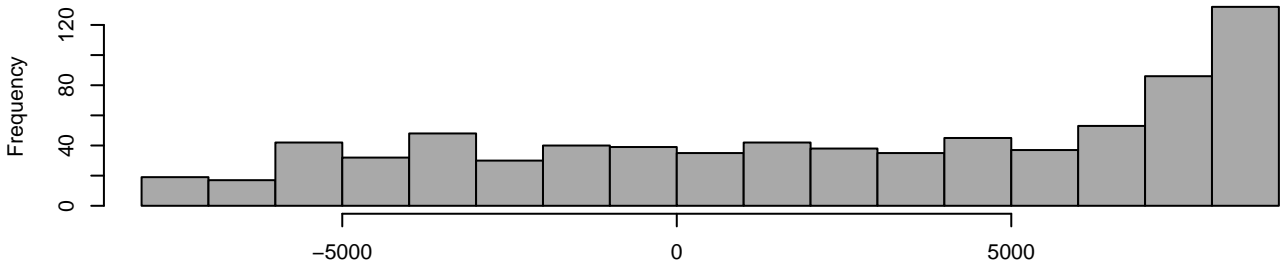
# IRF1\_None\_Macrophage\_67864

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

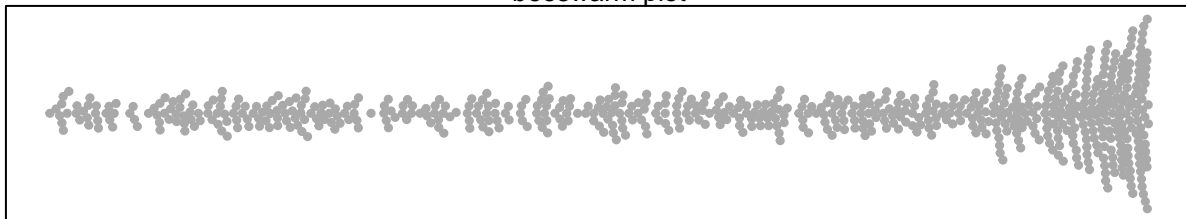
rugplot



ranked DE score in: x

# EP300\_None\_Macrophage\_81590

beeswarm plot



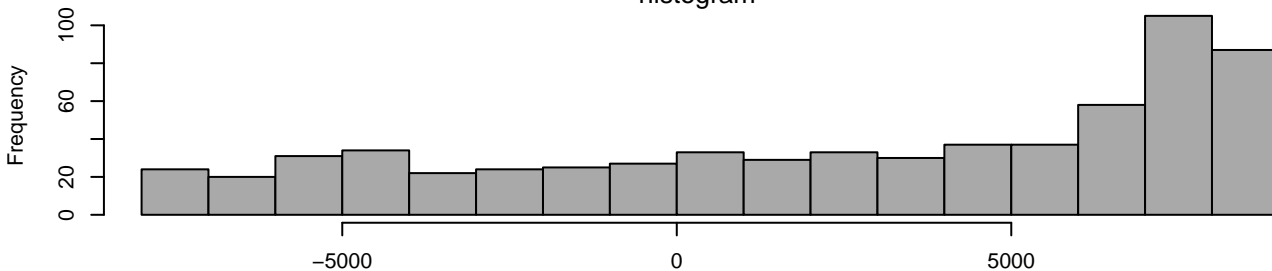
-5000

0

5000

ranked DE score in: x

histogram



100

60

20

0

Frequency

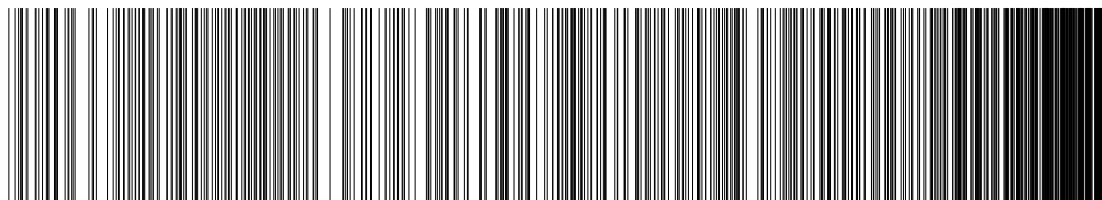
-5000

0

5000

ranked DE score in: x

rugplot



-5000

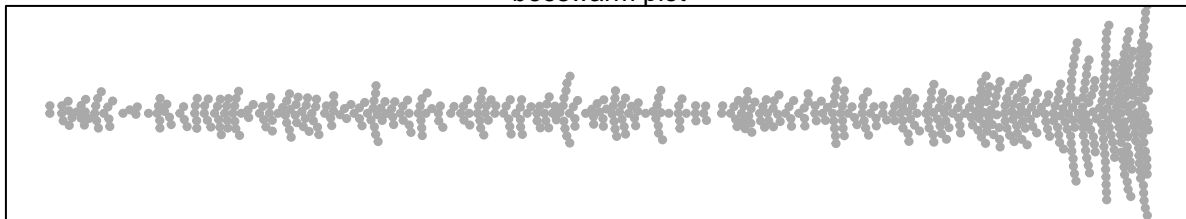
0

5000

ranked DE score in: x

# STAT6\_None\_Macrophage\_85090

beeswarm plot



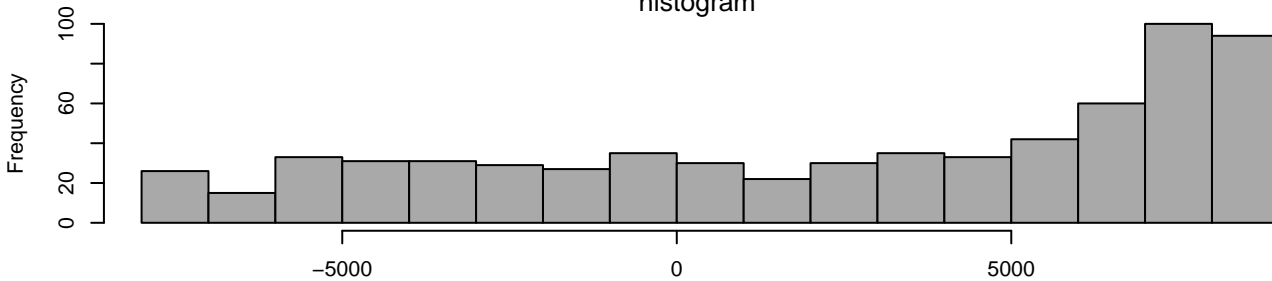
-5000

0

5000

ranked DE score in: x

histogram



Frequency

100

60

20

0

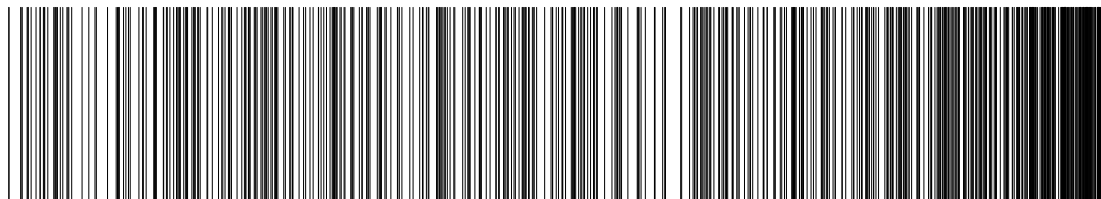
-5000

0

5000

ranked DE score in: x

rugplot



-5000

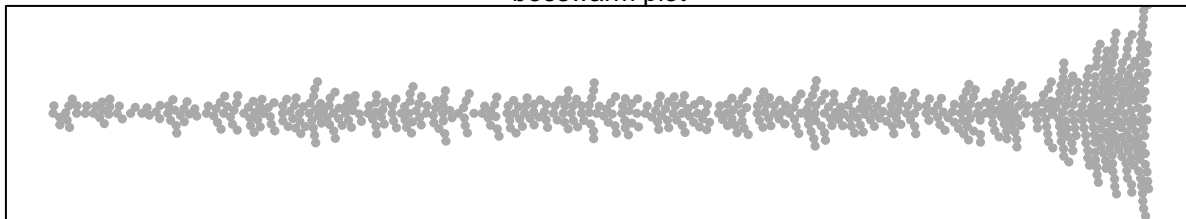
0

5000

ranked DE score in: x

# IRF8\_None\_DendriticCell\_43541

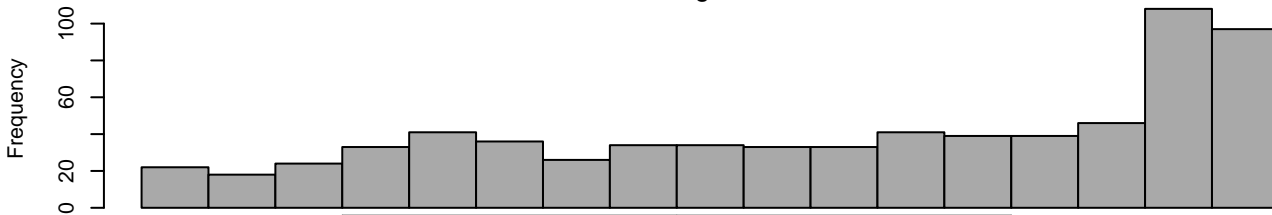
beeswarm plot



-5000 0 5000

ranked DE score in: x

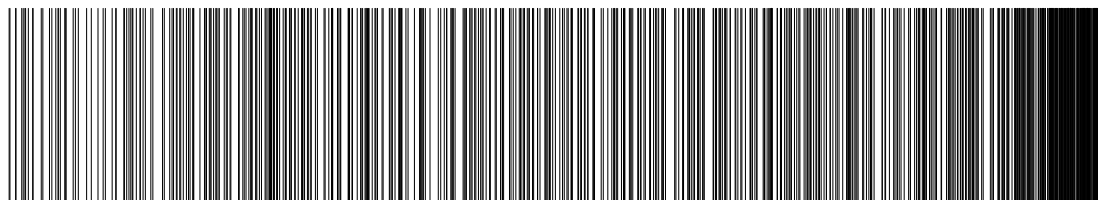
histogram



-5000 0 5000

ranked DE score in: x

rugplot

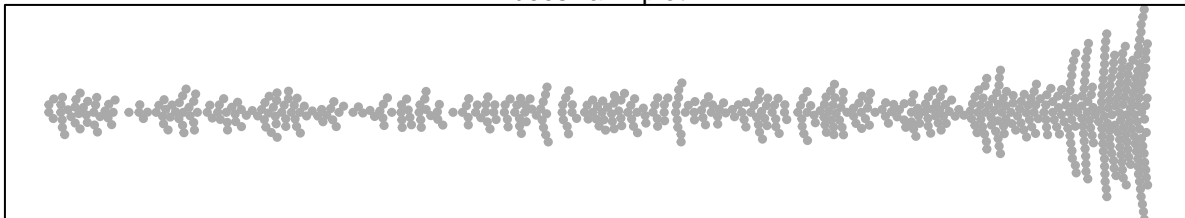


-5000 0 5000

ranked DE score in: x

# EP300\_None\_Macrophage\_83657

beeswarm plot



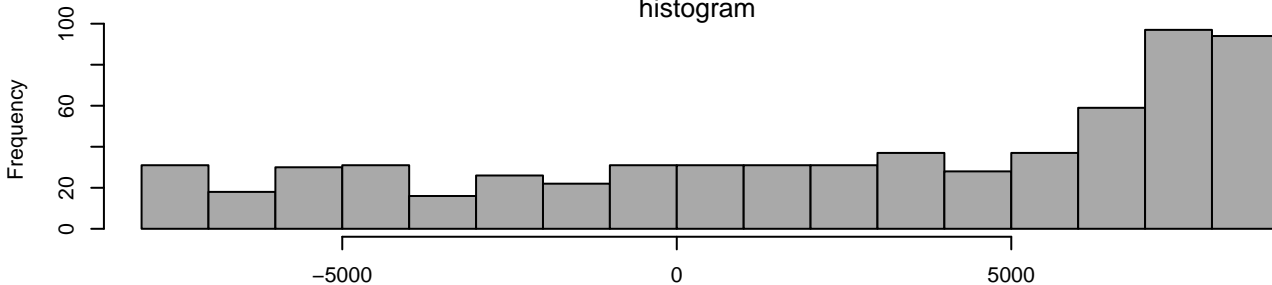
-5000

0

5000

ranked DE score in: x

histogram



100

60

20

0

Frequency

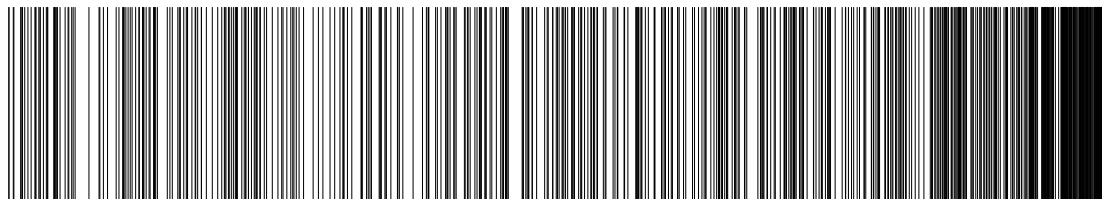
-5000

0

5000

ranked DE score in: x

rugplot



-5000

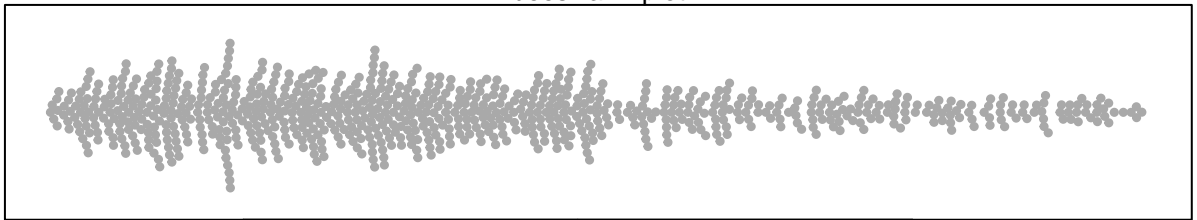
0

5000

ranked DE score in: x

# SIRT1\_None\_SatelliteCells\_51943

beeswarm plot



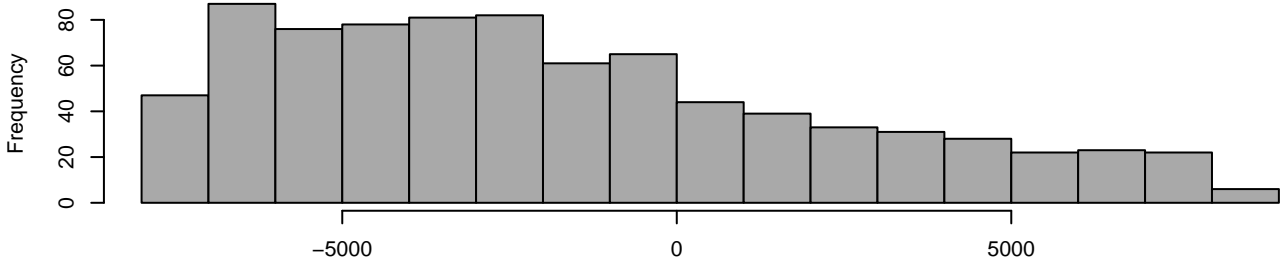
-5000

0

5000

ranked DE score in: x

histogram



Frequency

80  
60  
40  
20  
0

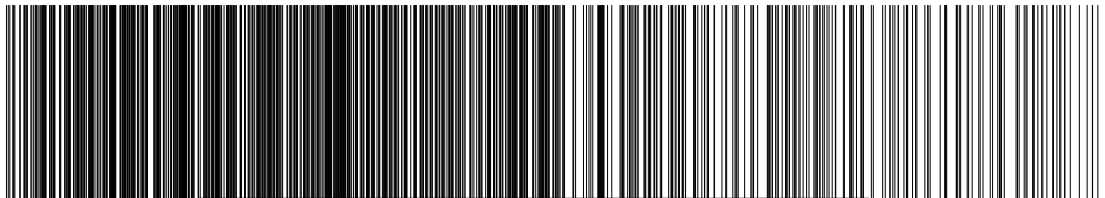
-5000

0

5000

ranked DE score in: x

rugplot



-5000

0

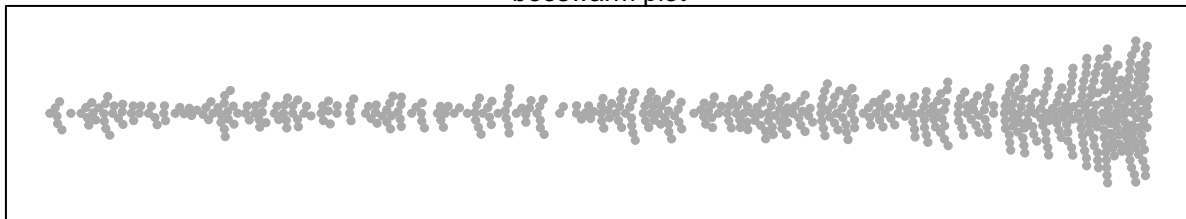
5000

ranked DE score in: x



# TAL1\_Hoxb8-FL\_LMPP-like\_88505

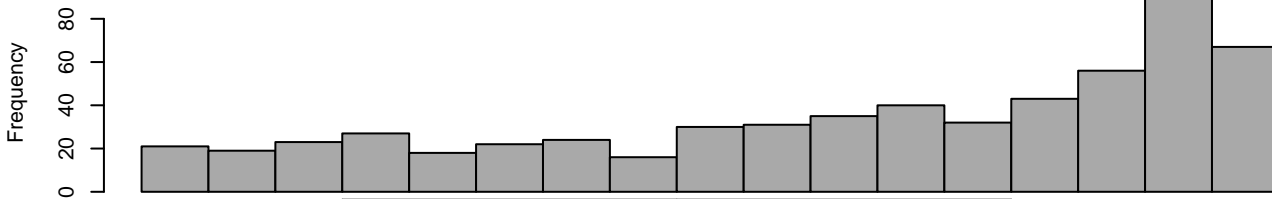
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



Frequency

0 20 40 60 80

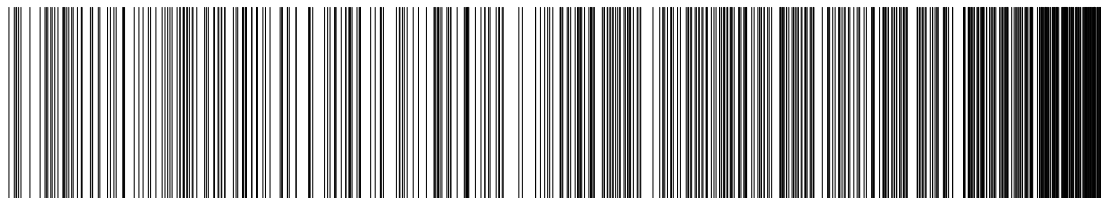
-5000

0

5000

ranked DE score in: x

rugplot



-5000

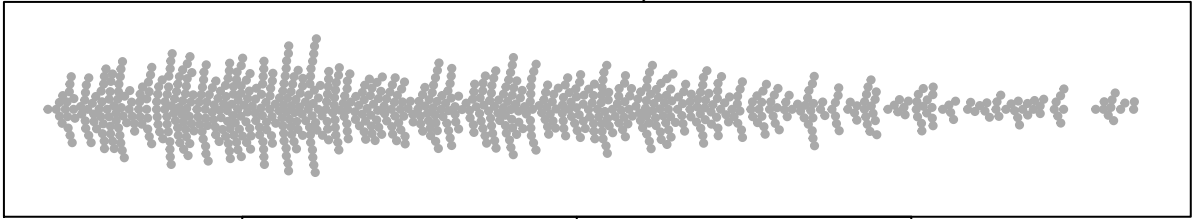
0

5000

ranked DE score in: x

# POLR2B\_R1\_EmbryonicStemCell\_49151

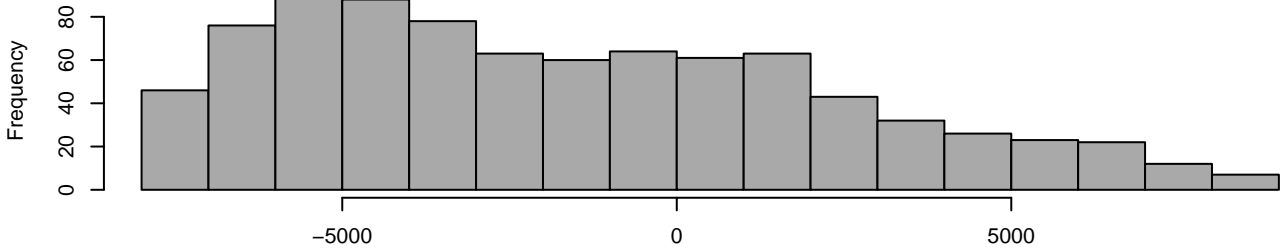
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



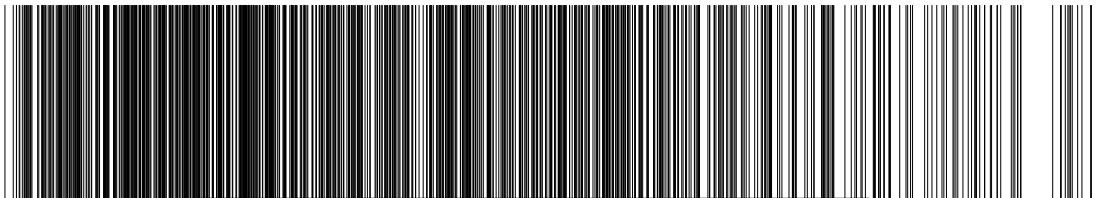
-5000

0

5000

ranked DE score in: x

rugplot



-5000

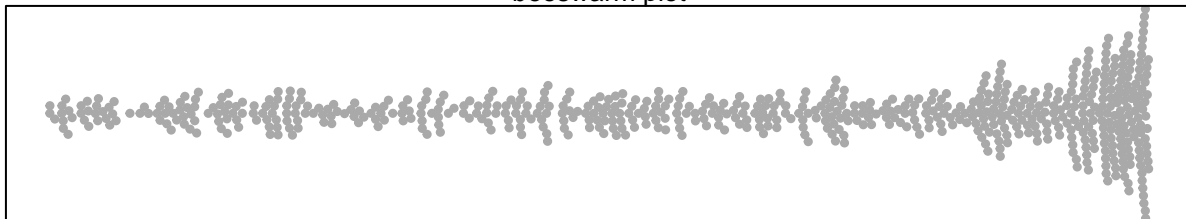
0

5000

ranked DE score in: x

# EP300\_None\_Macrophage\_83658

beeswarm plot



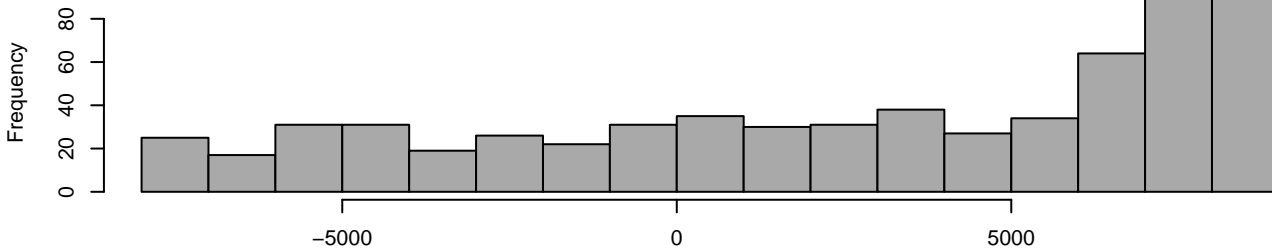
-5000

0

5000

ranked DE score in: x

histogram



Frequency

0  
20  
40  
60  
80

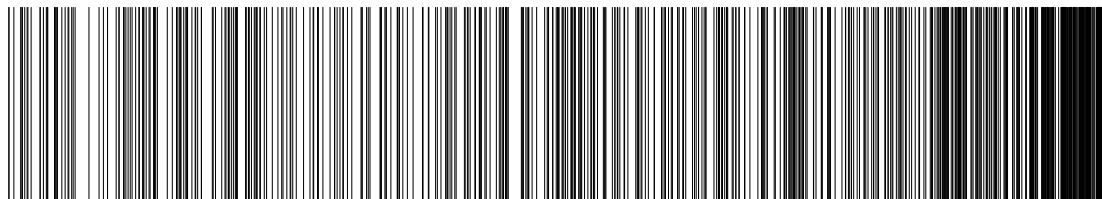
-5000

0

5000

ranked DE score in: x

rugplot



-5000

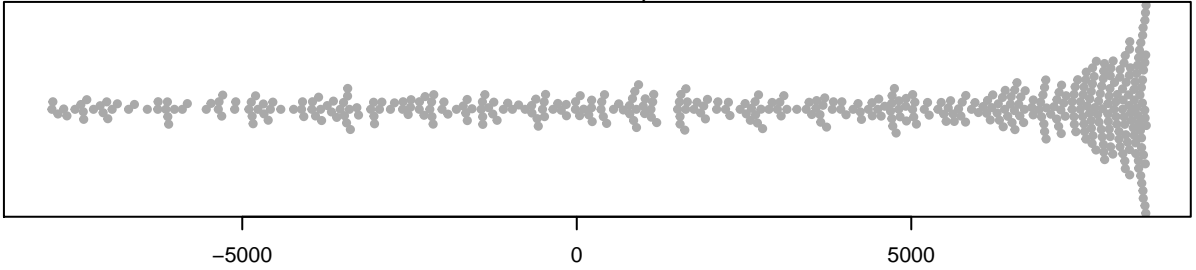
0

5000

ranked DE score in: x

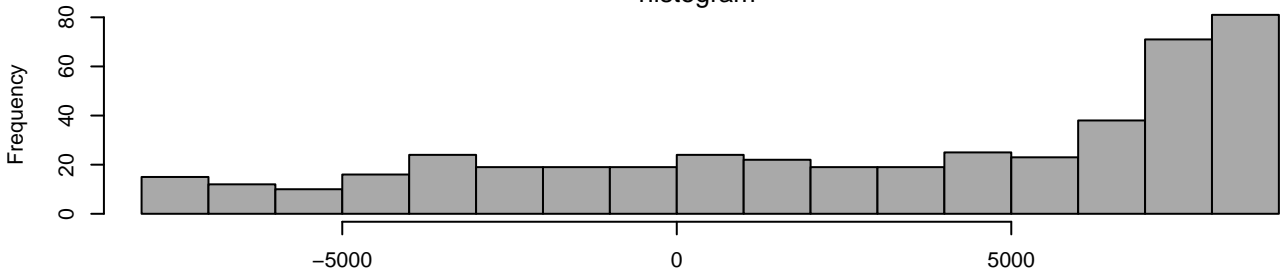
# IRF8\_None\_Macrophage\_67868

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

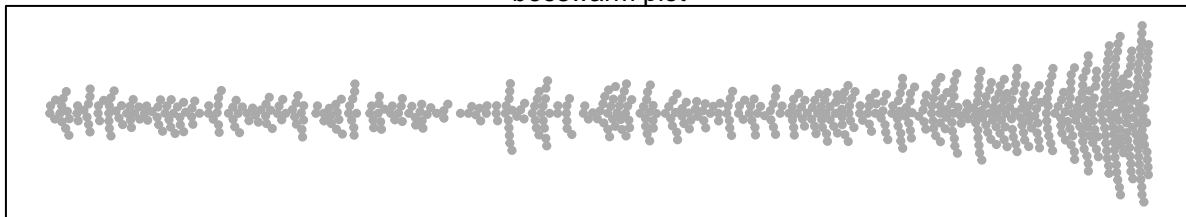
rugplot



ranked DE score in: x

# RELA\_None\_Macrophage\_37417

beeswarm plot



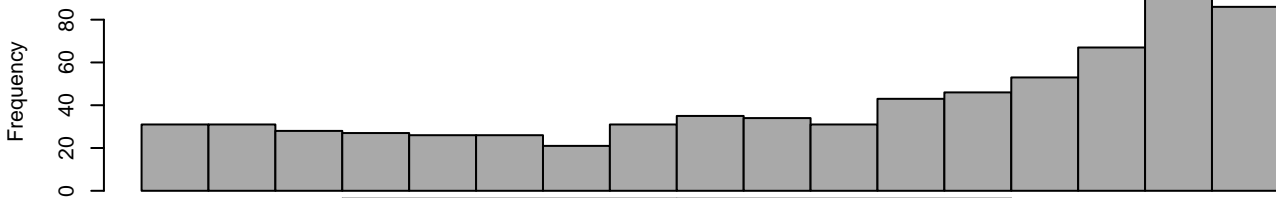
-5000

0

5000

ranked DE score in: x

histogram



Frequency

0

20

40

60

80

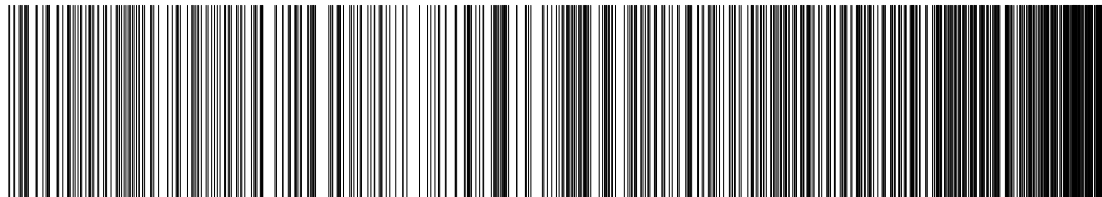
-5000

0

5000

ranked DE score in: x

rugplot



-5000

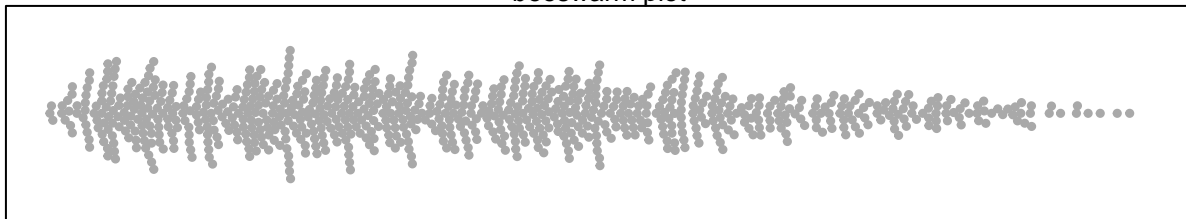
0

5000

ranked DE score in: x

# TAF7L\_None\_None\_42231

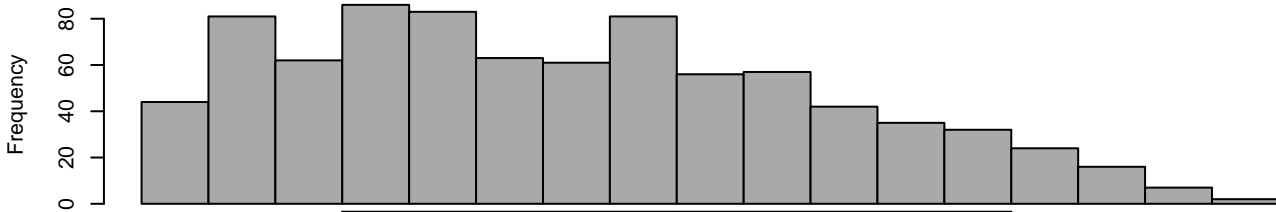
beeswarm plot



-5000 0 5000

ranked DE score in: x

histogram



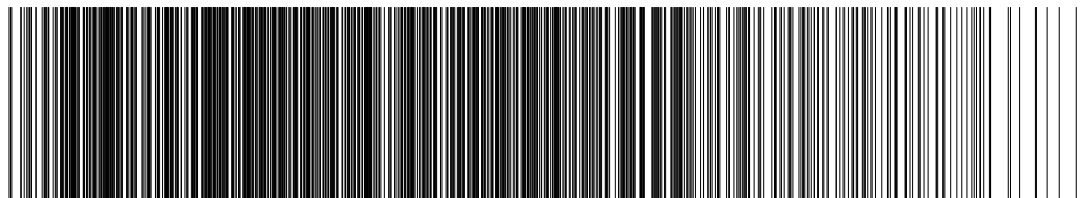
-5000

0

5000

ranked DE score in: x

rugplot



-5000

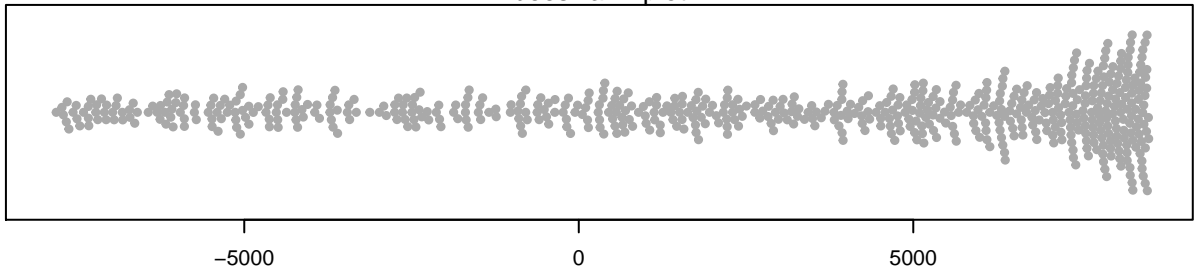
0

5000

ranked DE score in: x

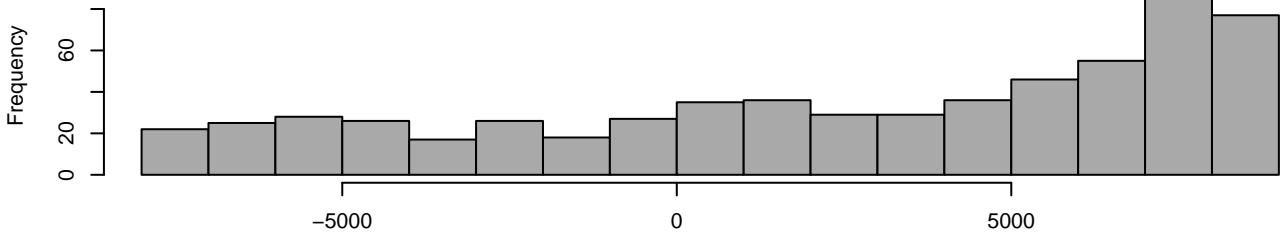
# EP300\_None\_Macrophage\_67297

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

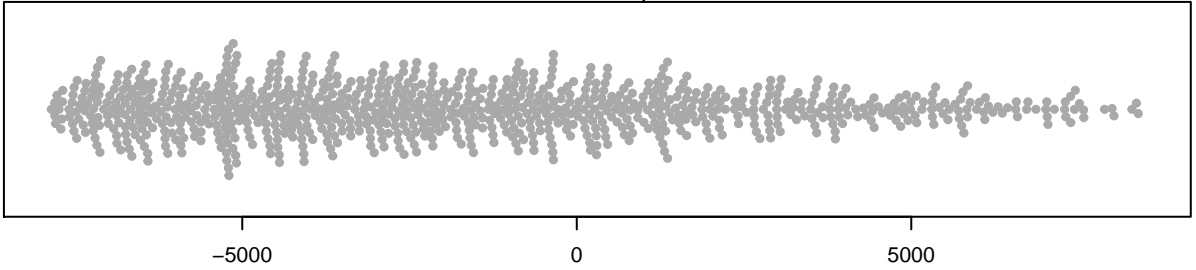
rugplot



ranked DE score in: x

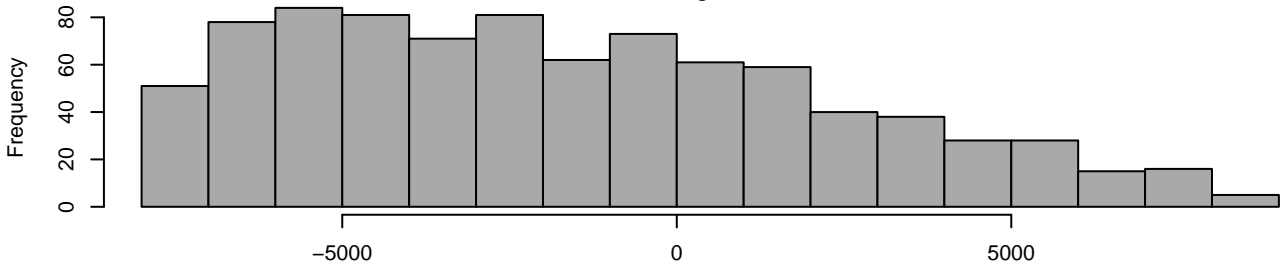
# H2AZ\_None\_PlasmaCell\_35880

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

rugplot

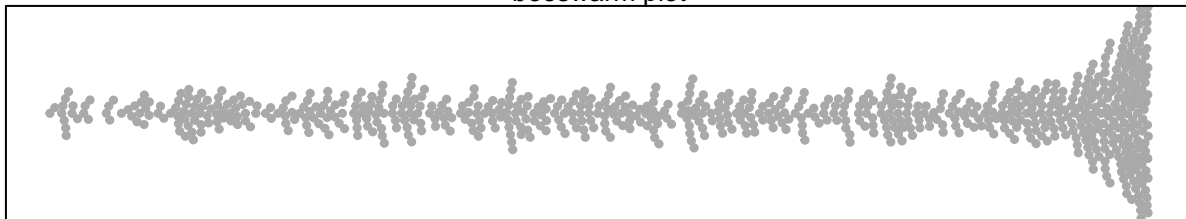


ranked DE score in: x



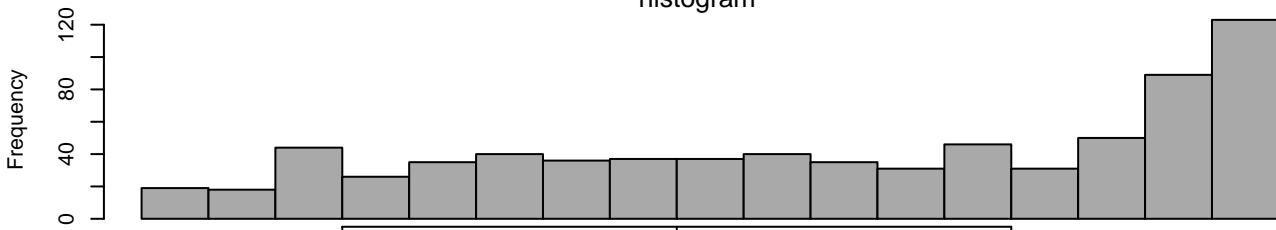
# IRF1\_None\_Macrophage\_51914

beeswarm plot



ranked DE score in: x

histogram



Frequency

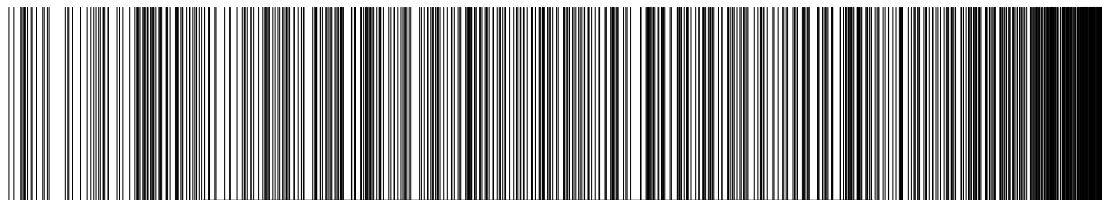
-5000

0

5000

ranked DE score in: x

rugplot



-5000

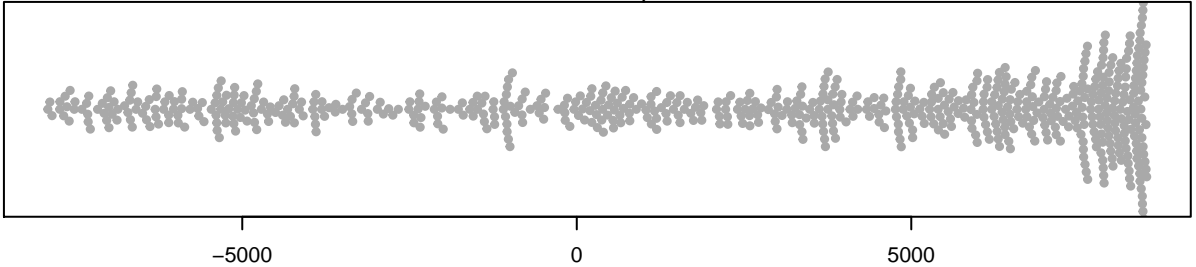
0

5000

ranked DE score in: x

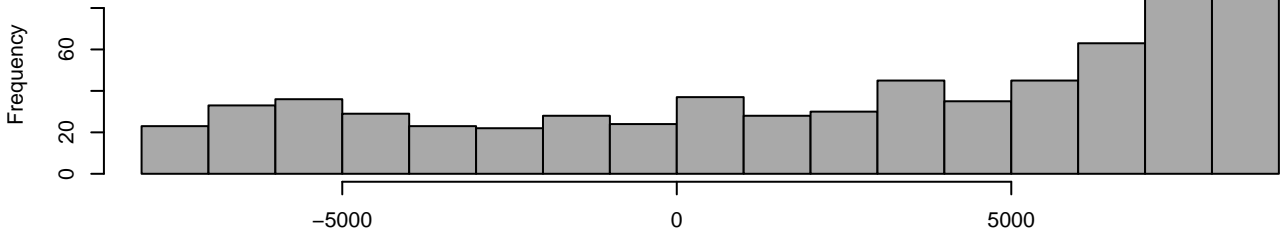
# RELA\_None\_Macrophage\_72522

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

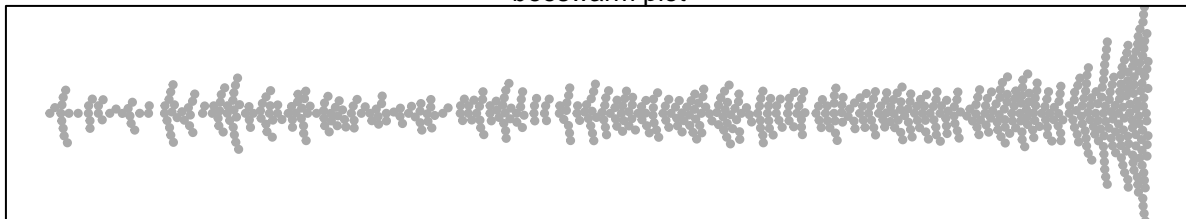
rugplot



ranked DE score in: x

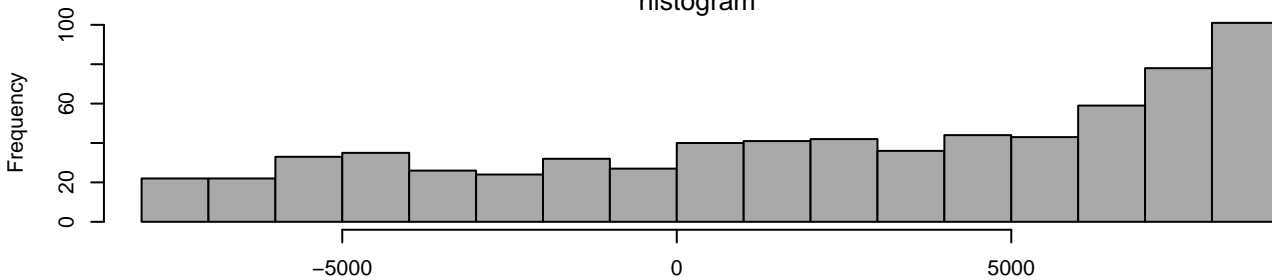
# IRF3\_None\_Macrophage\_67643

beeswarm plot



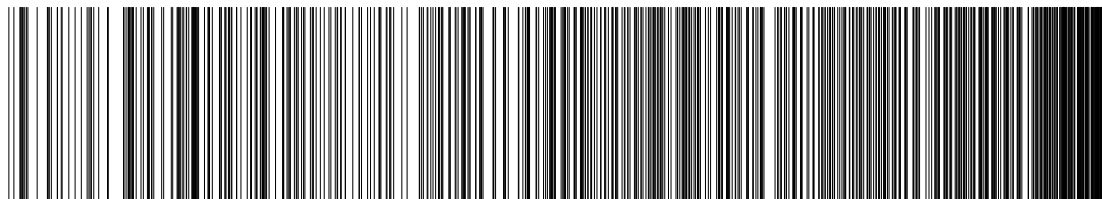
ranked DE score in: x

histogram



ranked DE score in: x

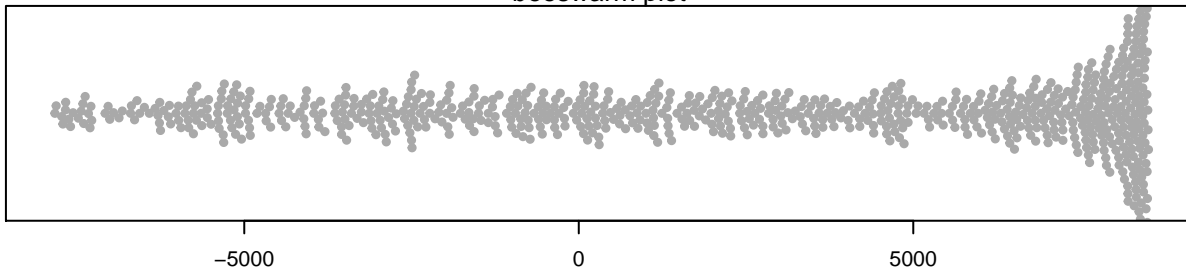
rugplot



ranked DE score in: x

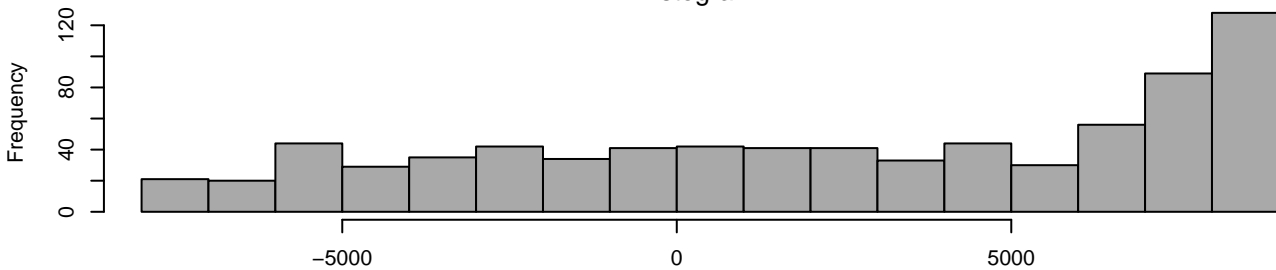
# IRF1\_None\_Macrophage\_51913

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

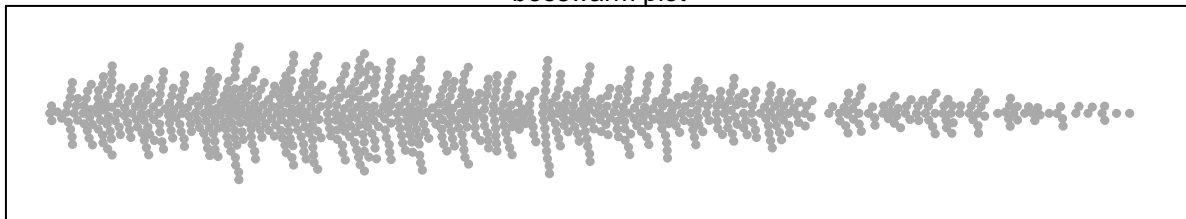
rugplot



ranked DE score in: x

# BRD4\_None\_Rod\_75796

beeswarm plot



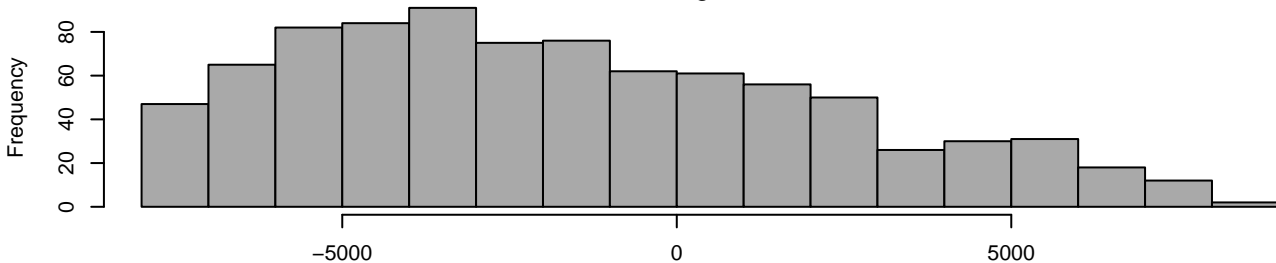
-5000

0

5000

ranked DE score in: x

histogram



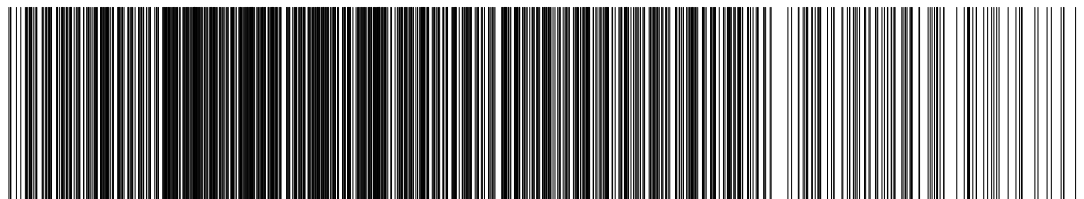
-5000

0

5000

ranked DE score in: x

rugplot



-5000

0

5000

ranked DE score in: x