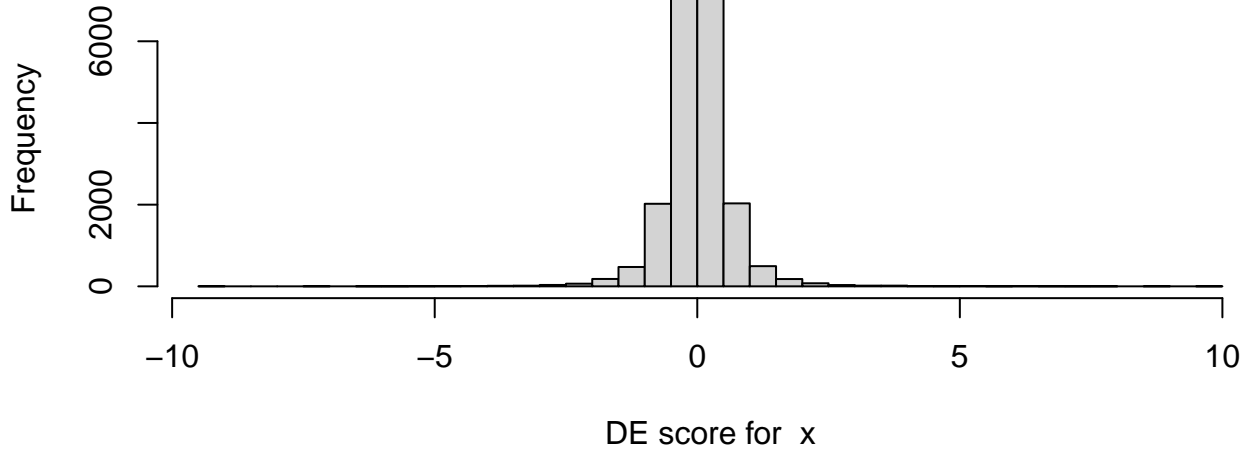
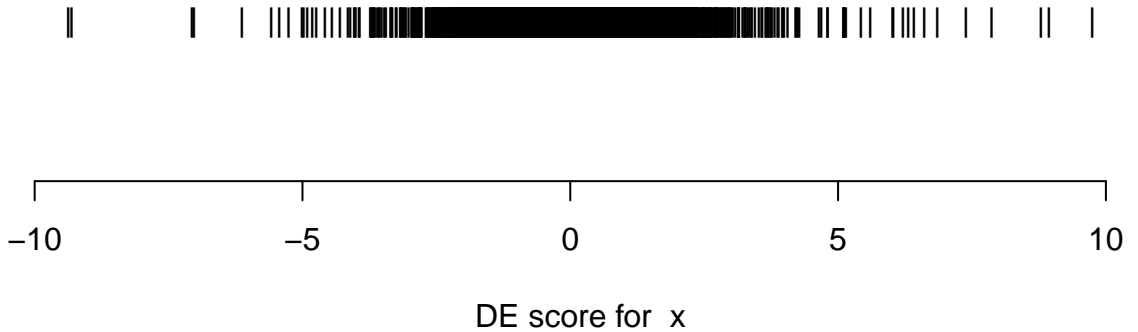


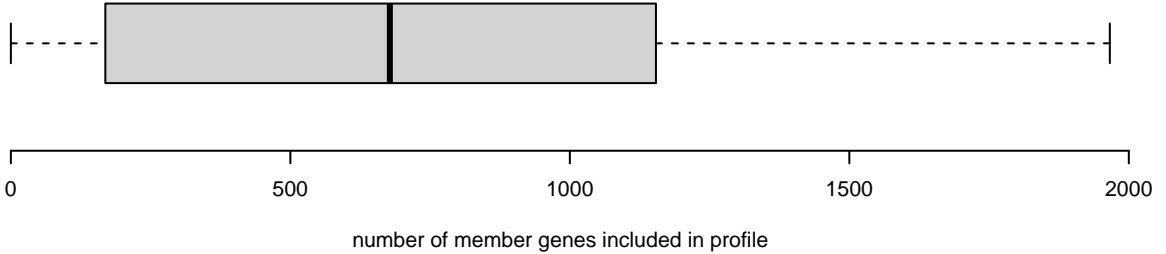
# Distribution of DE scores



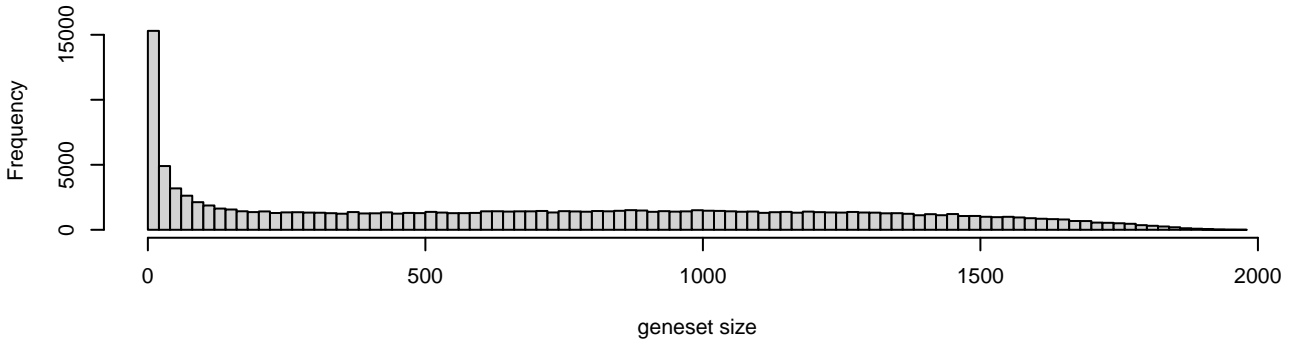
20092 genes in total, 10098 trending up-regulated, 9994 trending down-regulated



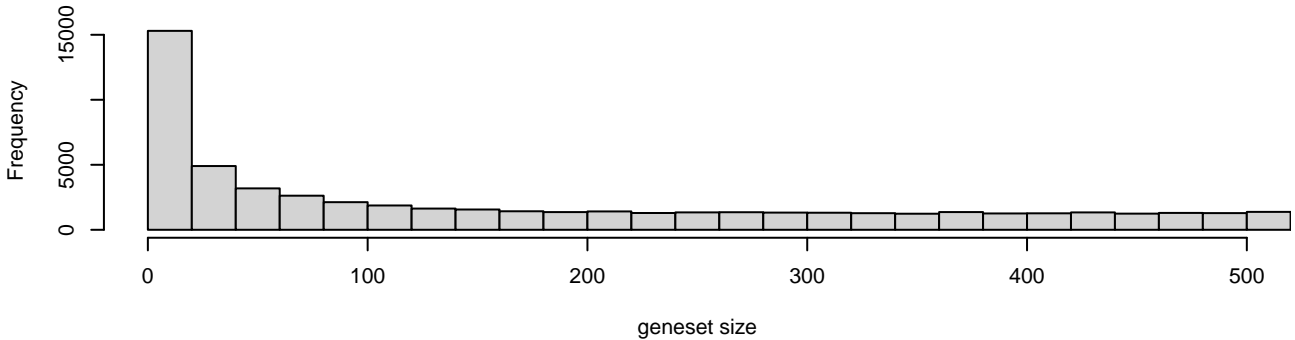
### Gene set size



### Histogram of geneset size

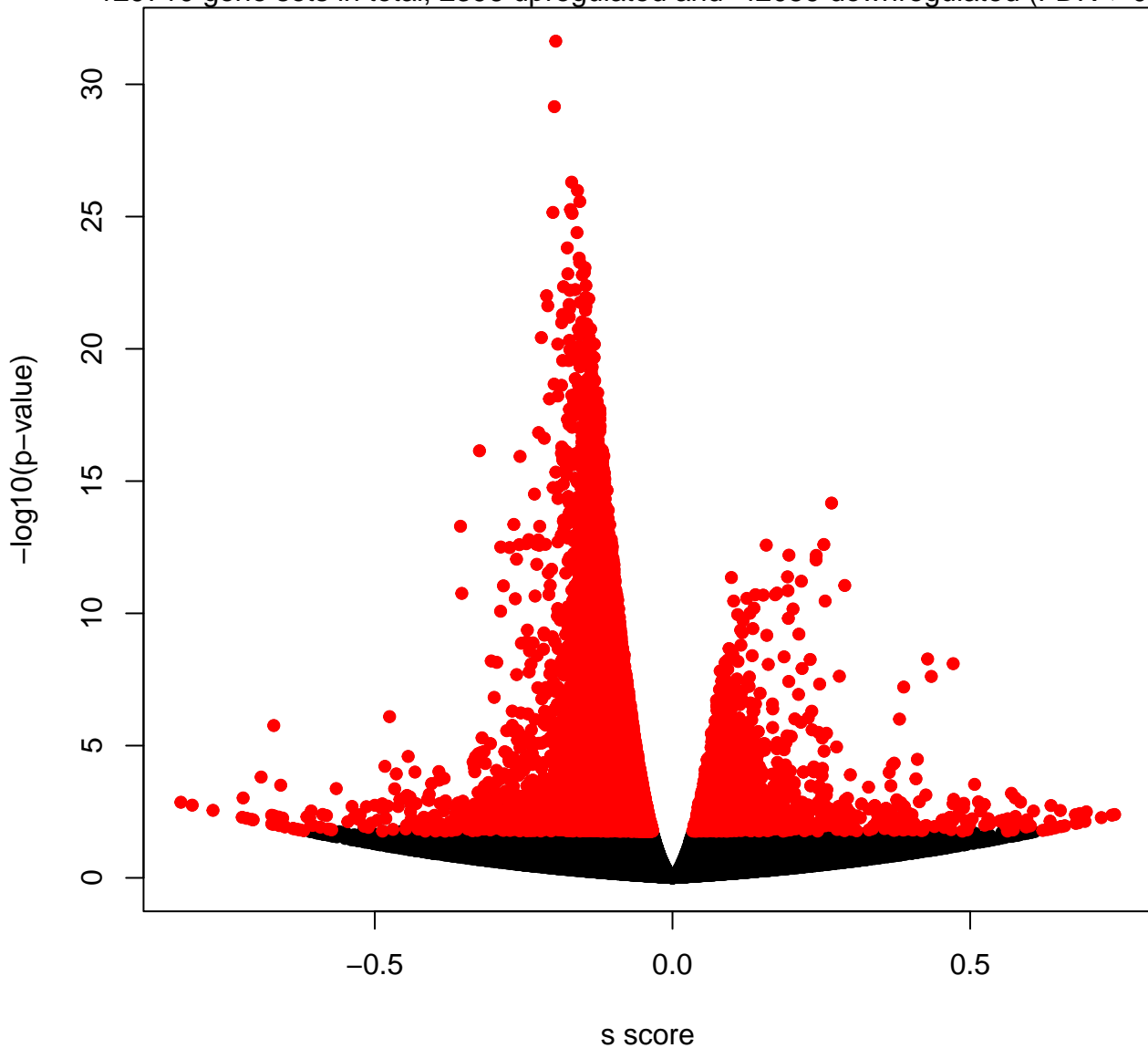


### Trimmed histogram of geneset size



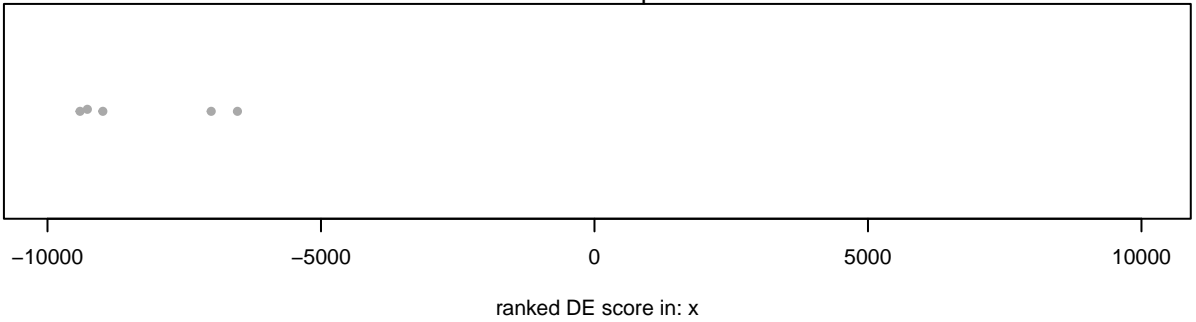
# volcano plot of gene set enrichments

129710 gene sets in total, 2396 upregulated and 42059 downregulated (FDR $\leq$ 0.05)

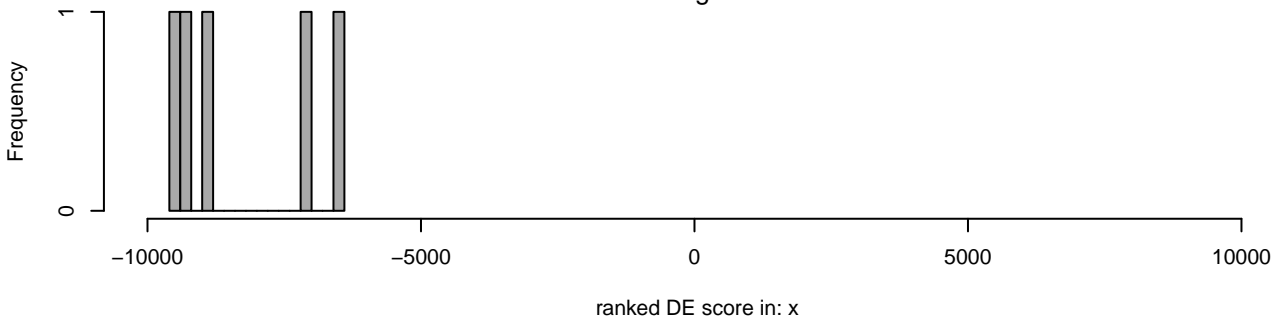


# GSE54308-1-vs-3-human up

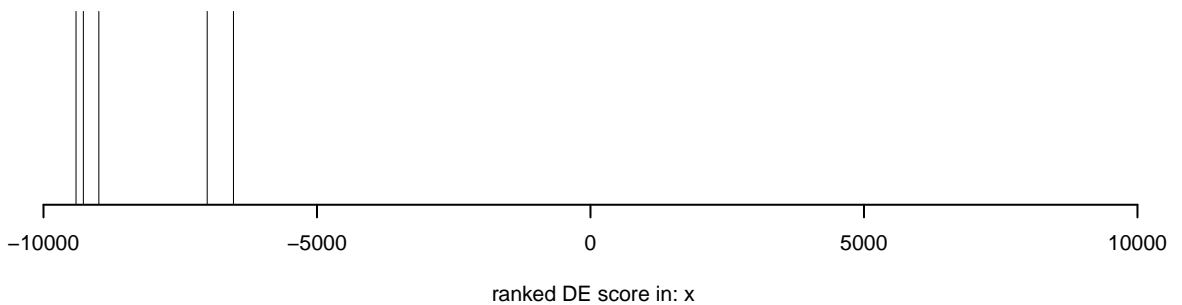
beeswarm plot



histogram

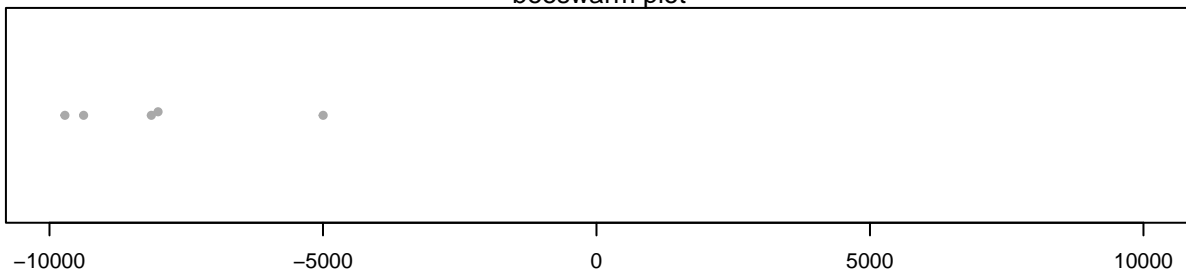


rugplot



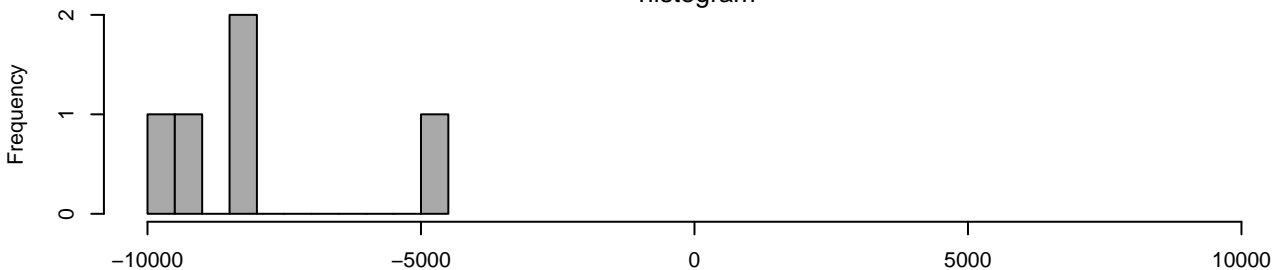
# GSE173377-0-vs-5-human dn

beeswarm plot



ranked DE score in: x

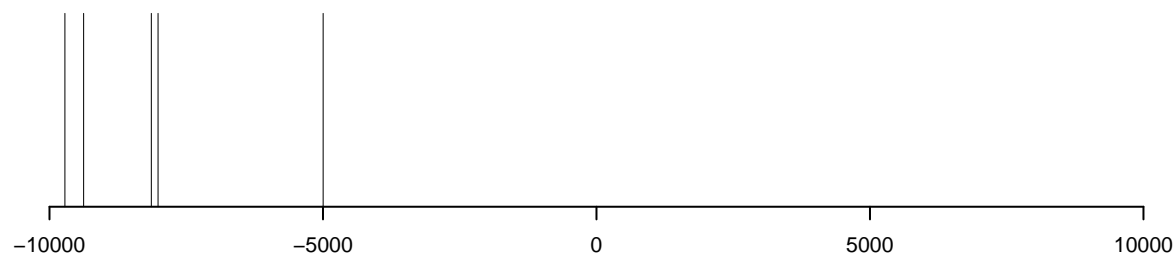
histogram



Frequency

ranked DE score in: x

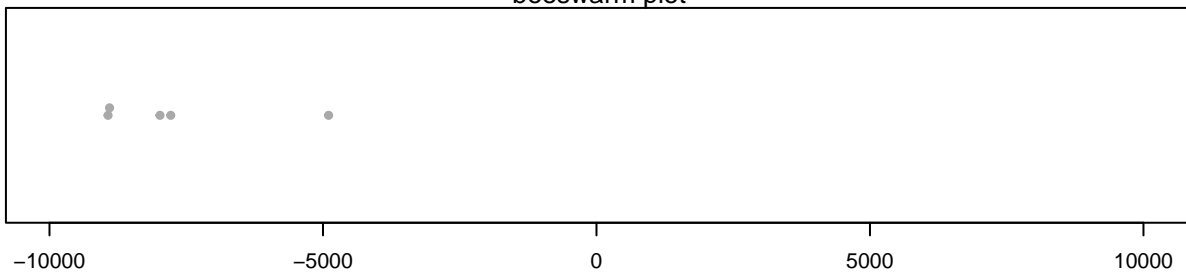
rugplot



ranked DE score in: x

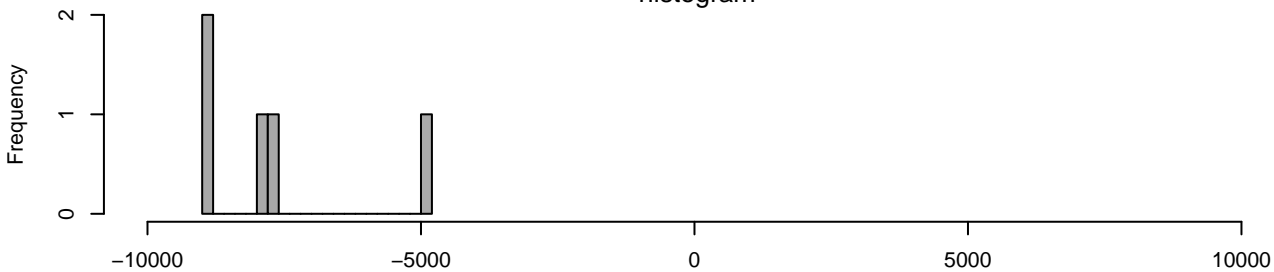
# GSE113585,GSE113590-0-vs-3-human up

beeswarm plot



ranked DE score in: x

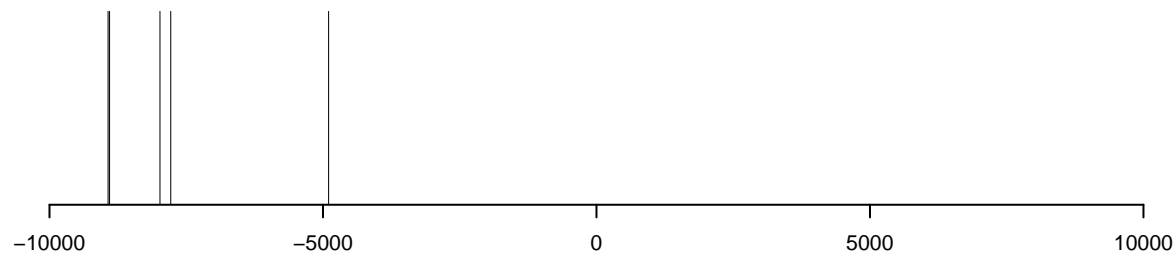
histogram



Frequency

ranked DE score in: x

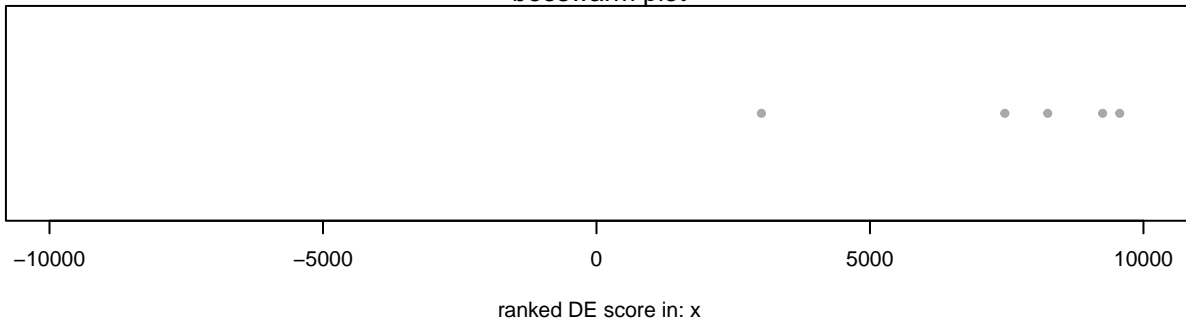
rugplot



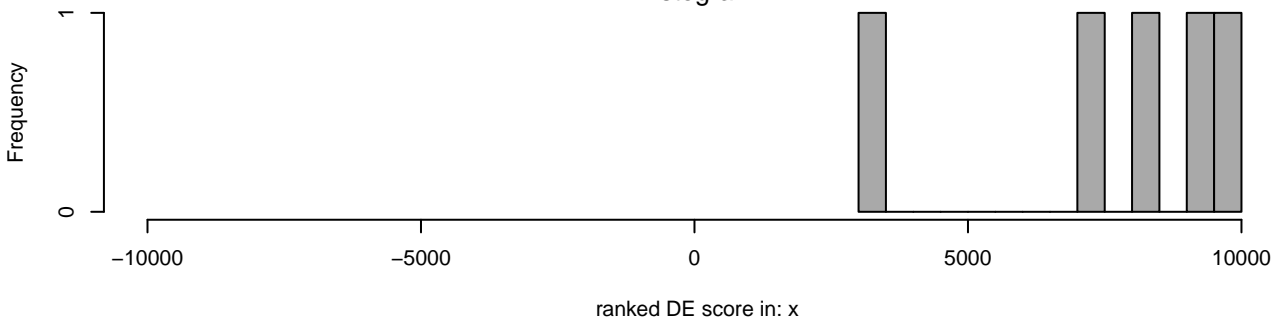
ranked DE score in: x

# GSE162353-1-vs-2-human up

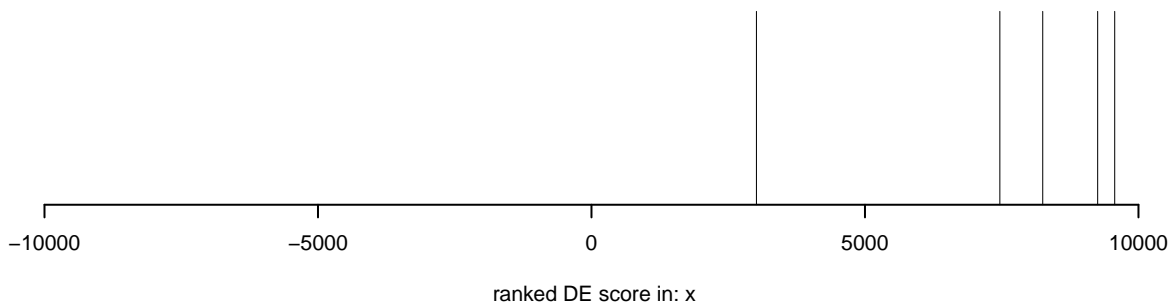
beeswarm plot



histogram

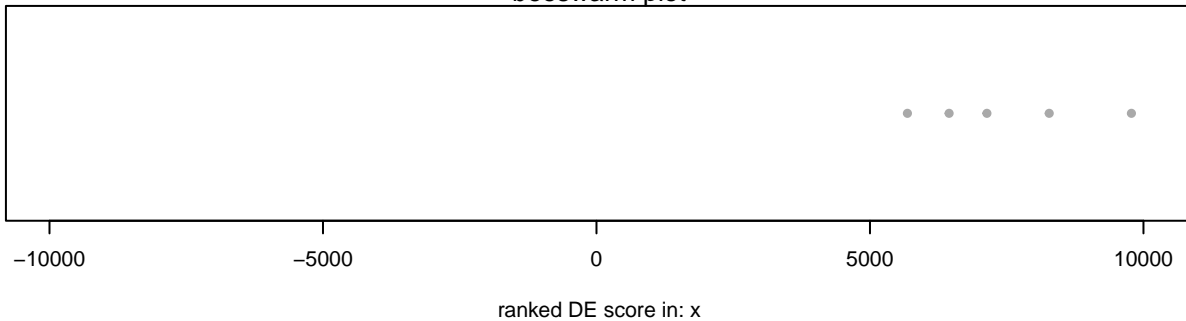


rugplot

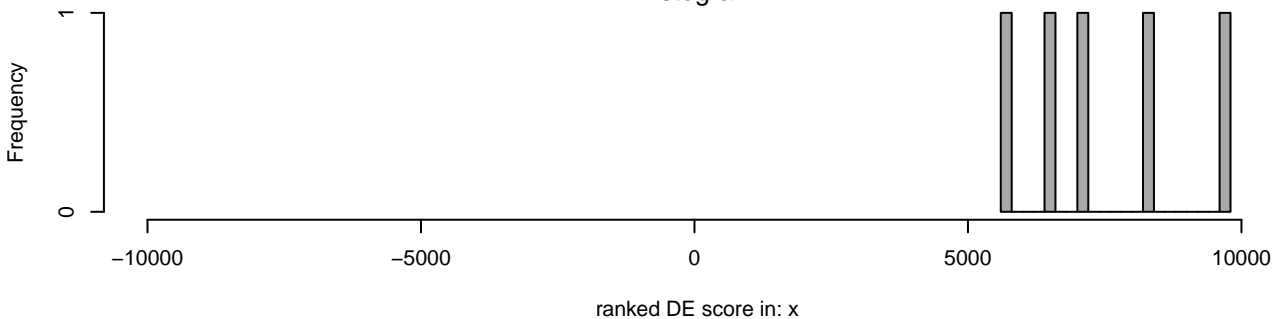


# GSE178398-0-vs-3-human up

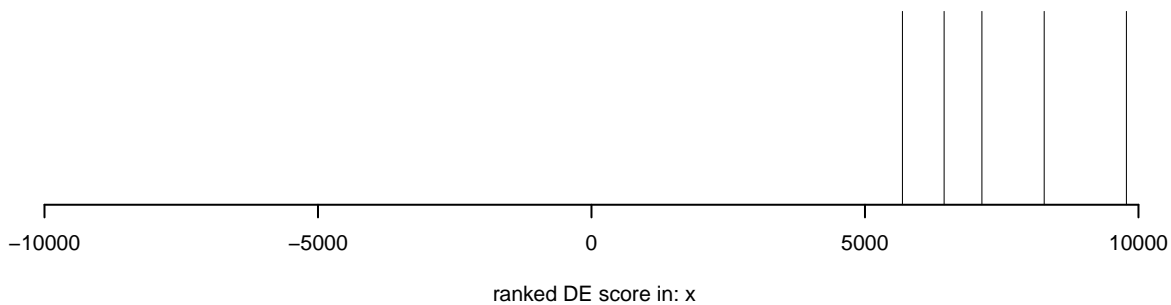
beeswarm plot



histogram



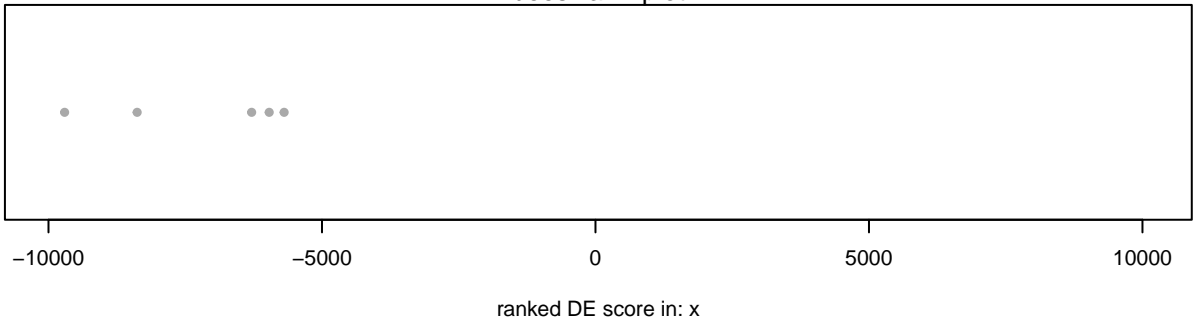
rugplot



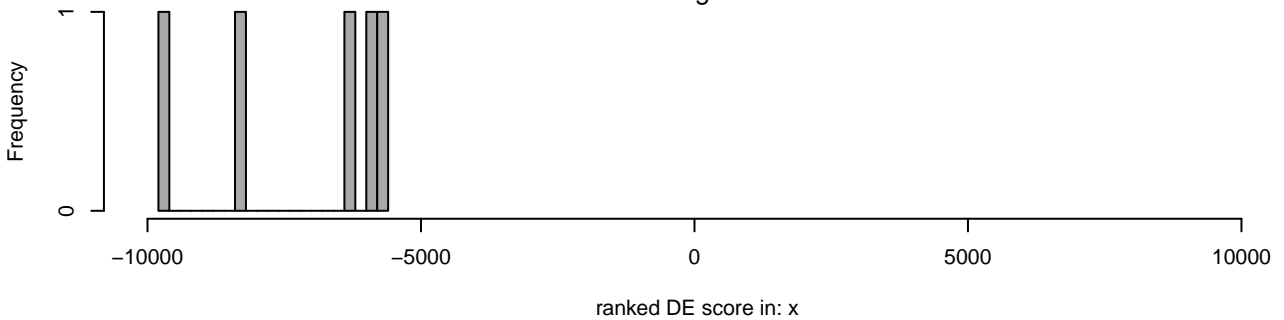


# GSE157012-3-vs-6-human up

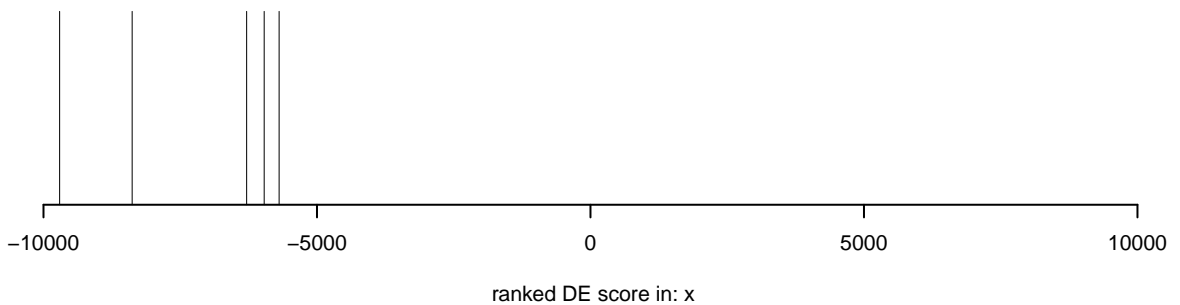
beeswarm plot



histogram

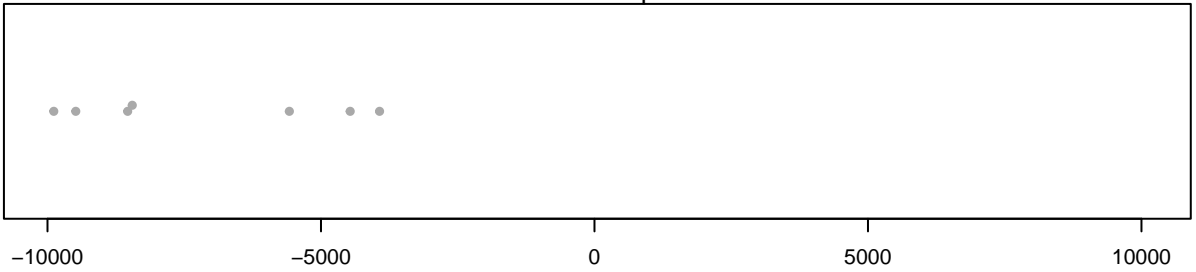


rugplot



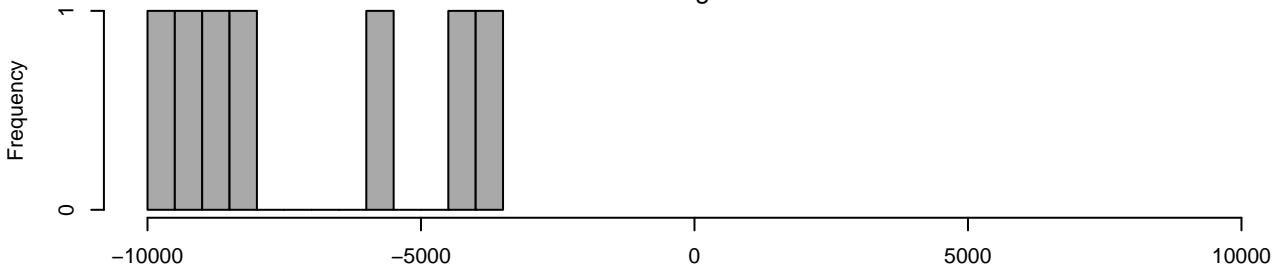
# GSE102481-6-vs-7-human up

beeswarm plot



ranked DE score in: x

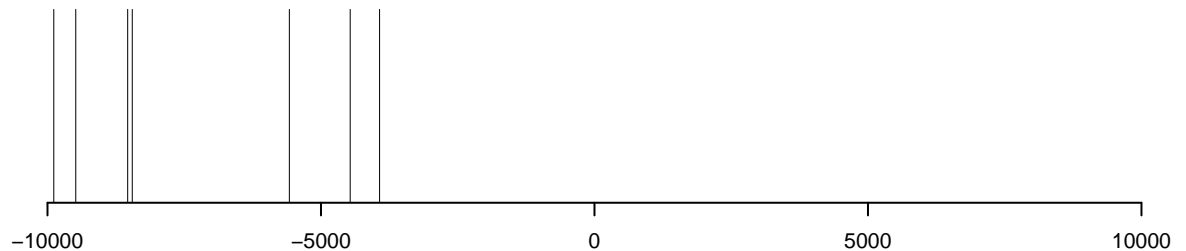
histogram



Frequency

ranked DE score in: x

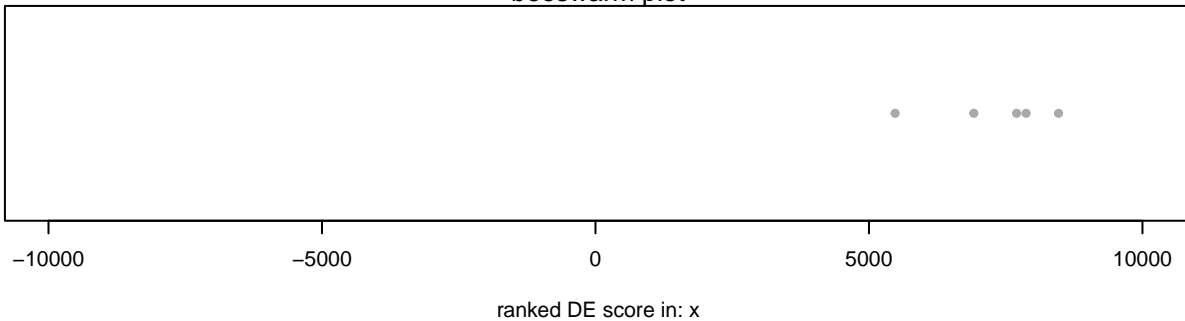
rugplot



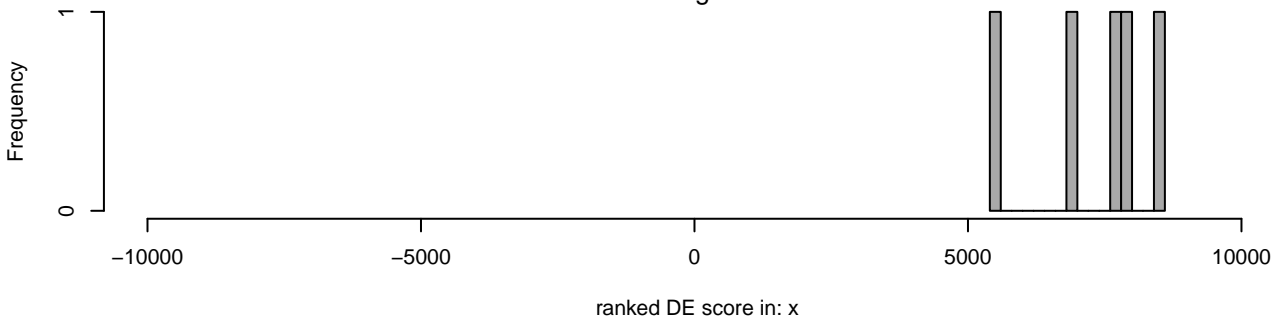
ranked DE score in: x

# GSE166437,GSE166439-3-vs-4-human up

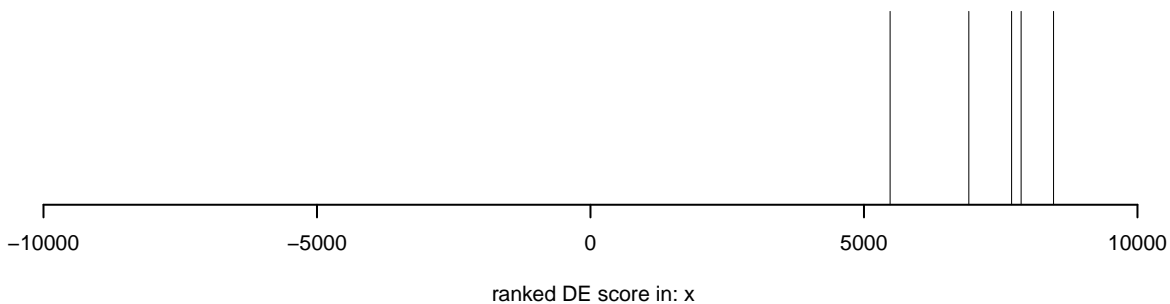
beeswarm plot



histogram

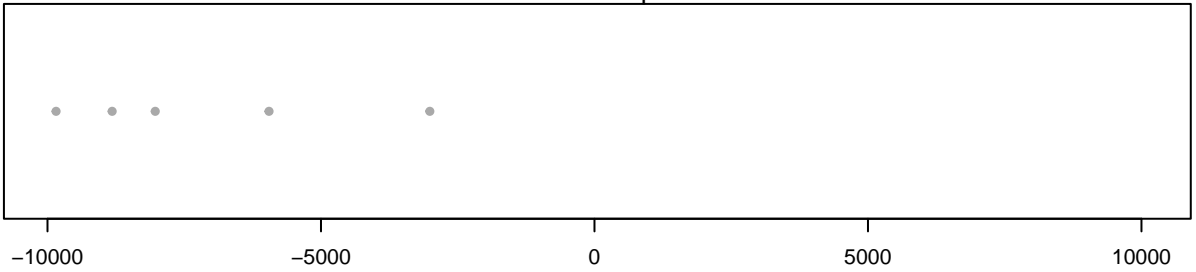


rugplot



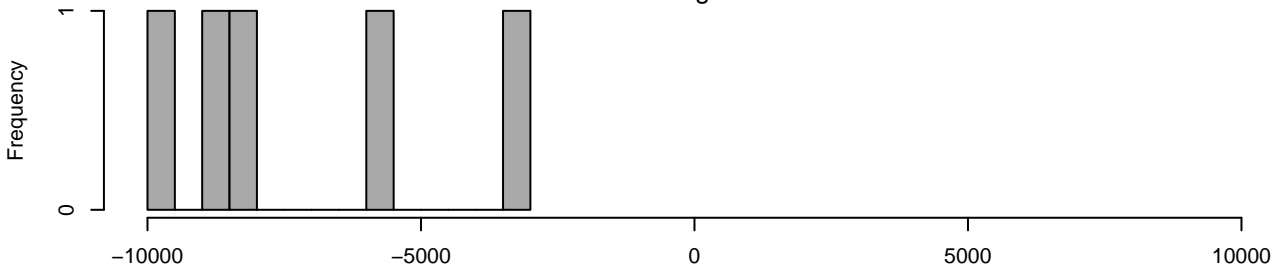
# GSE79735,GSE79736-0-vs-3-human dn

beeswarm plot



ranked DE score in: x

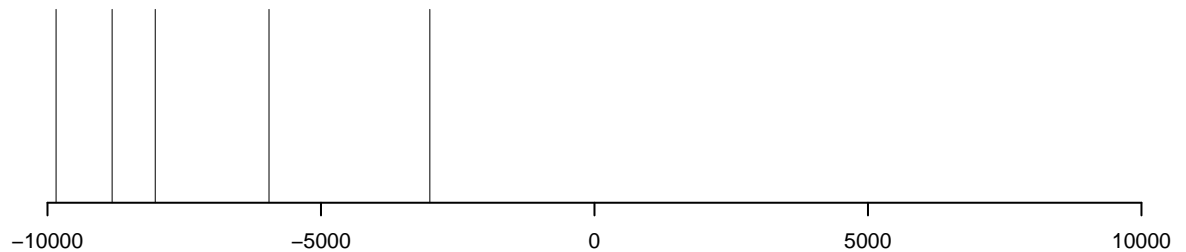
histogram



Frequency

ranked DE score in: x

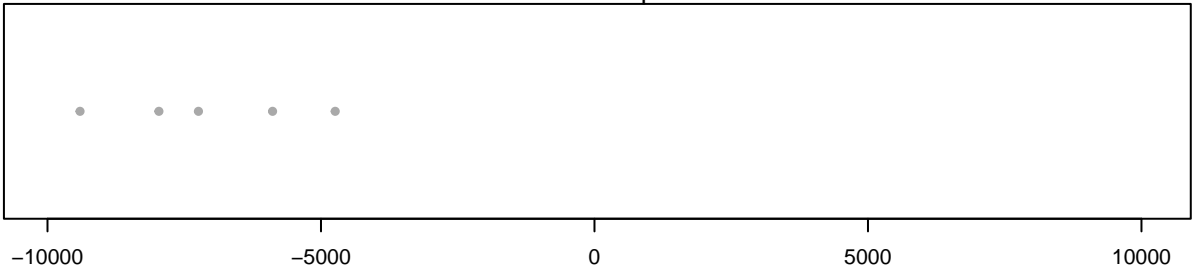
rugplot



ranked DE score in: x

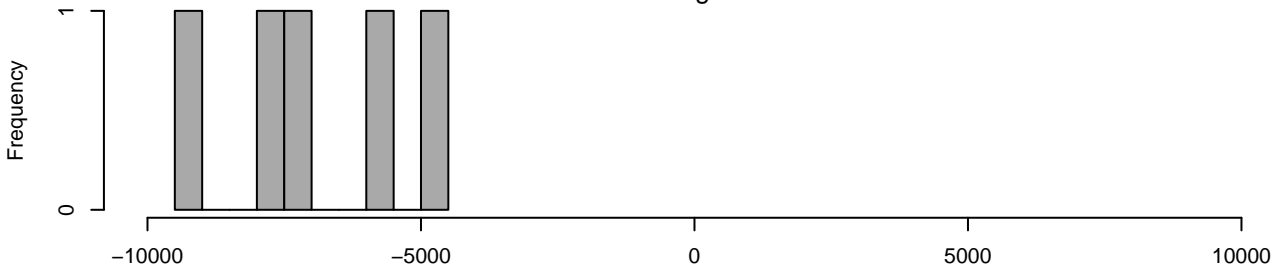
# GSE116256-4-vs-11-human up

beeswarm plot



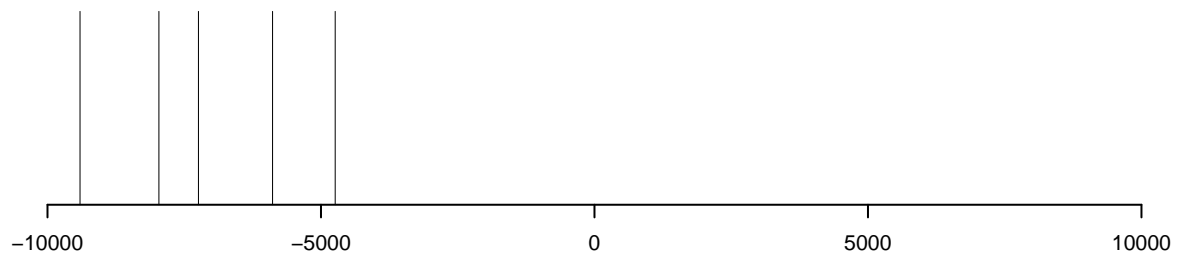
ranked DE score in: x

histogram



ranked DE score in: x

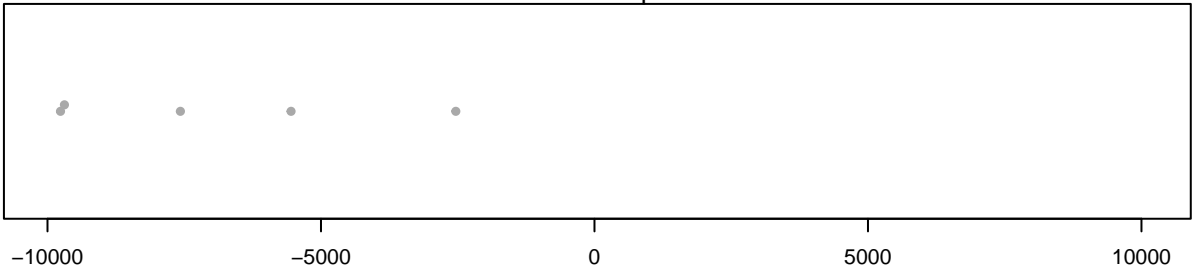
rugplot



ranked DE score in: x

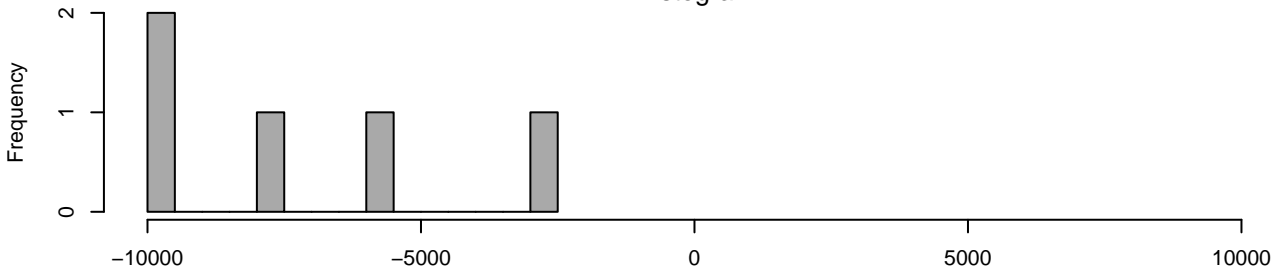
# GSE117192-8-vs-11-human up

beeswarm plot



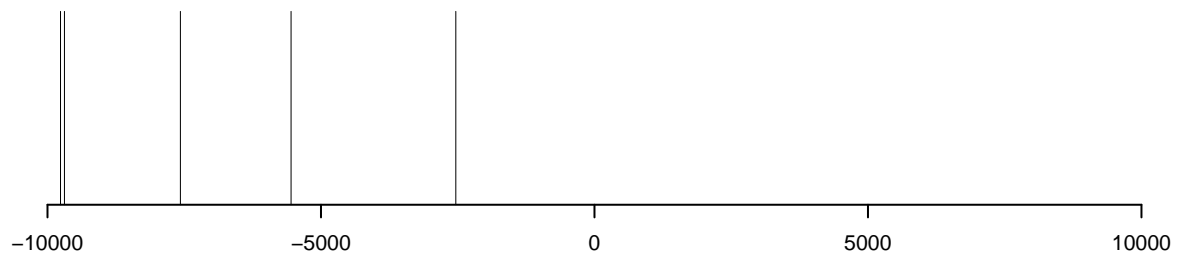
ranked DE score in: x

histogram



ranked DE score in: x

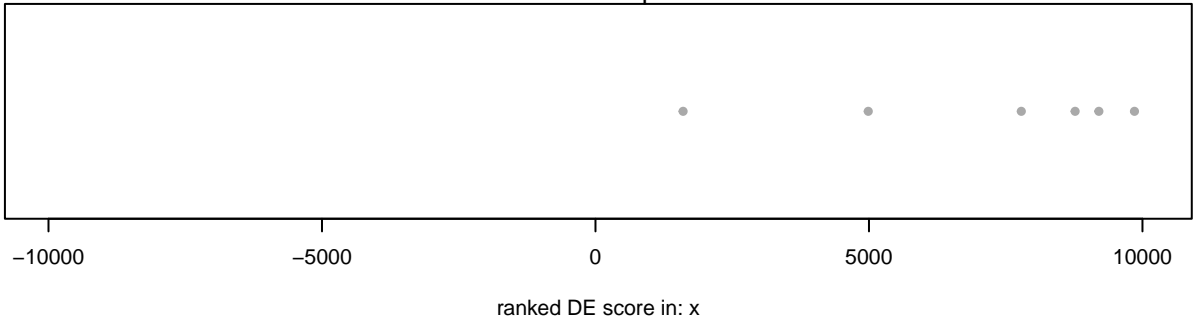
rugplot



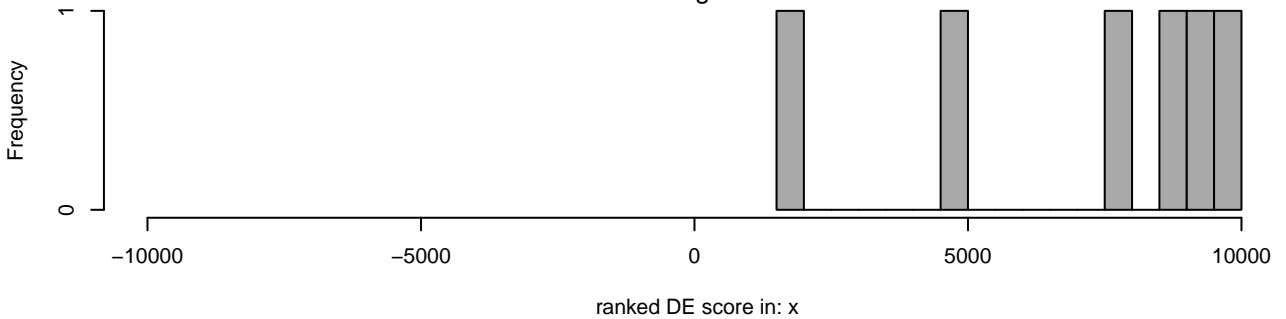
ranked DE score in: x

# GSE146358-0-vs-4-human dn

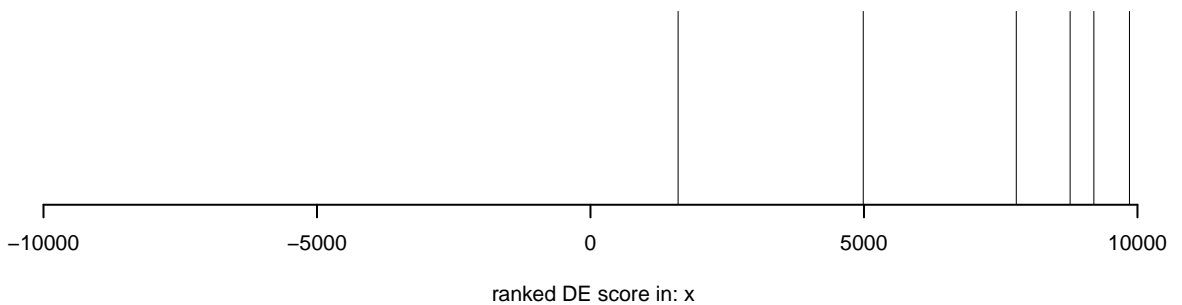
beeswarm plot



histogram

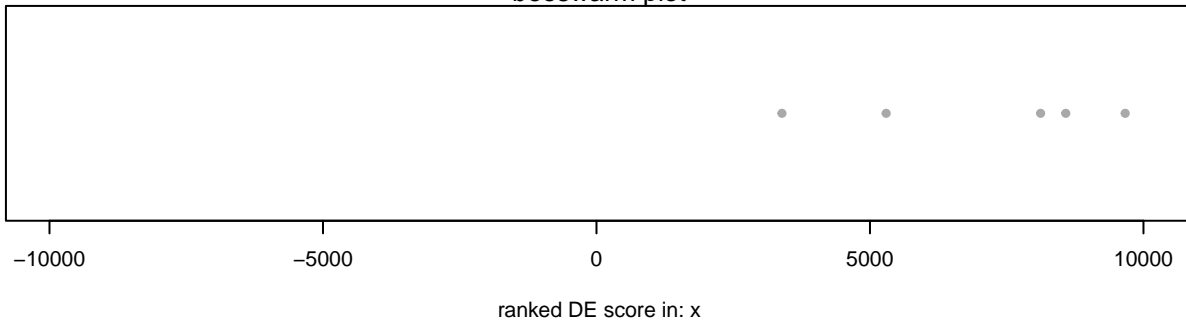


rugplot

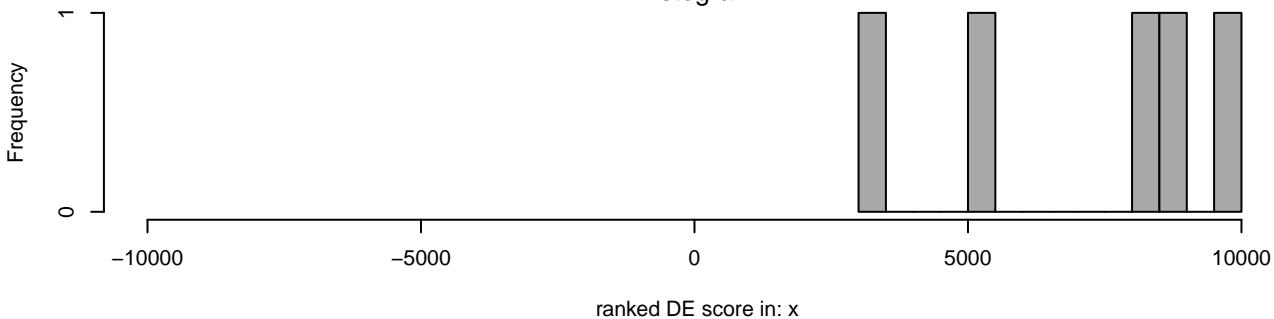


# GSE130614-3-vs-1-human dn

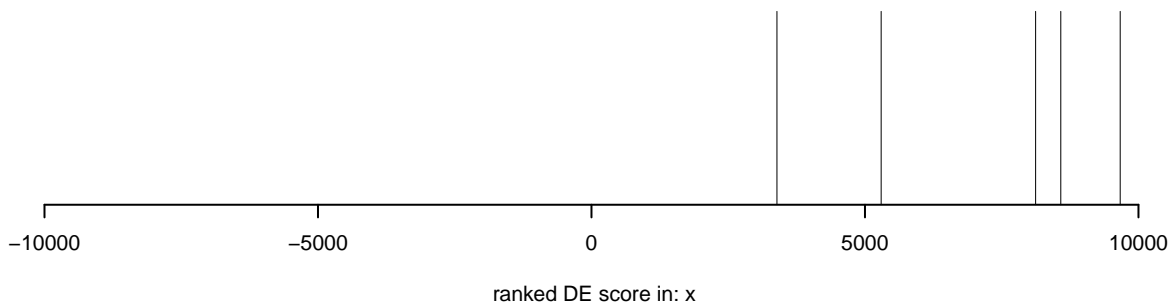
beeswarm plot



histogram



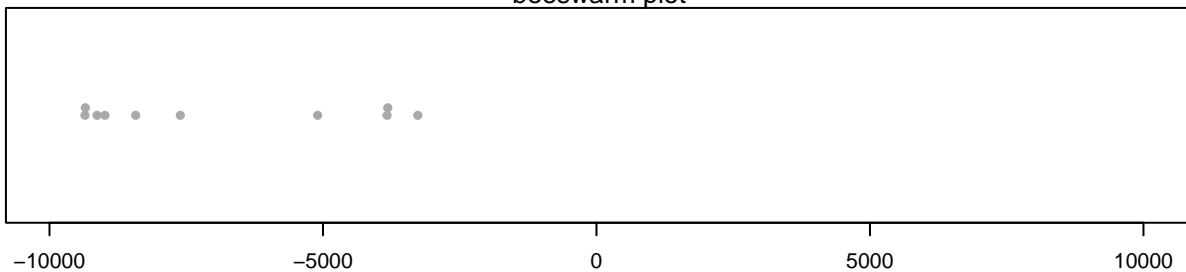
rugplot





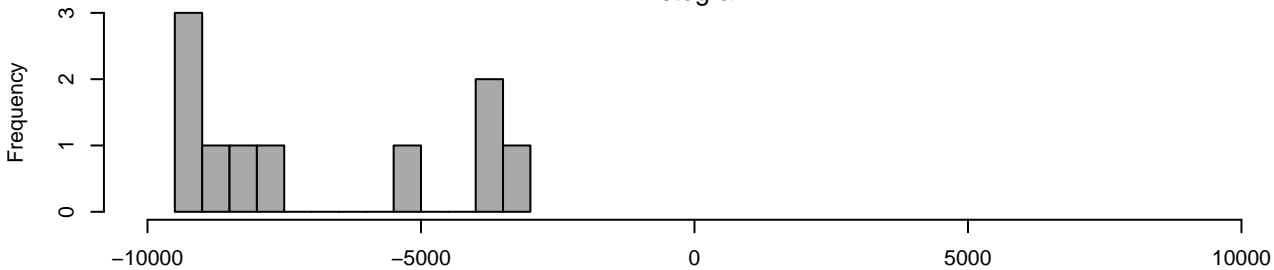
# GSE194125-5-vs-4-human dn

beeswarm plot



ranked DE score in: x

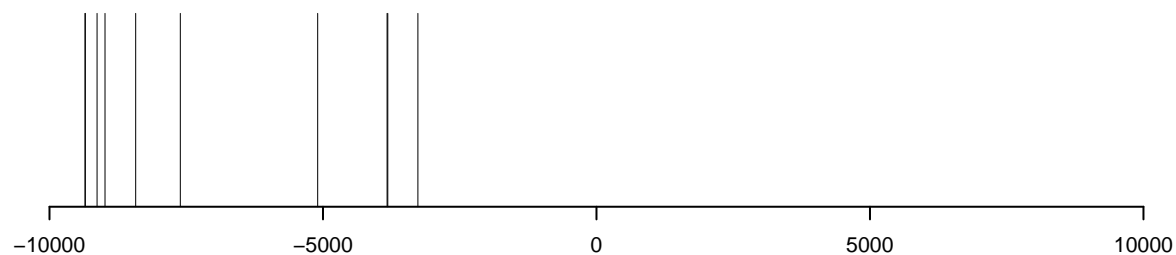
histogram



Frequency

ranked DE score in: x

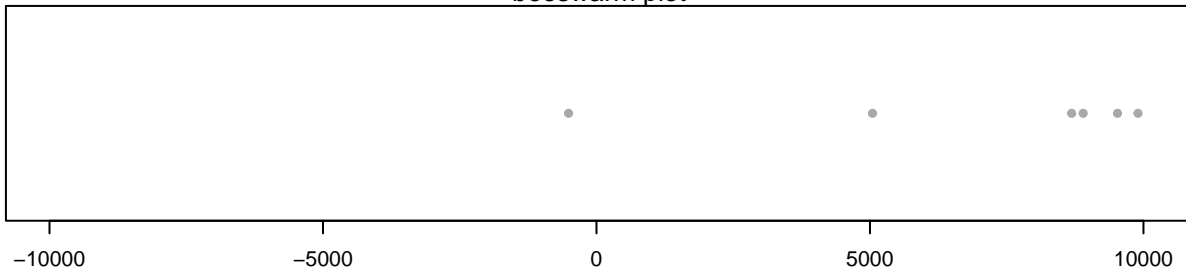
rugplot



ranked DE score in: x

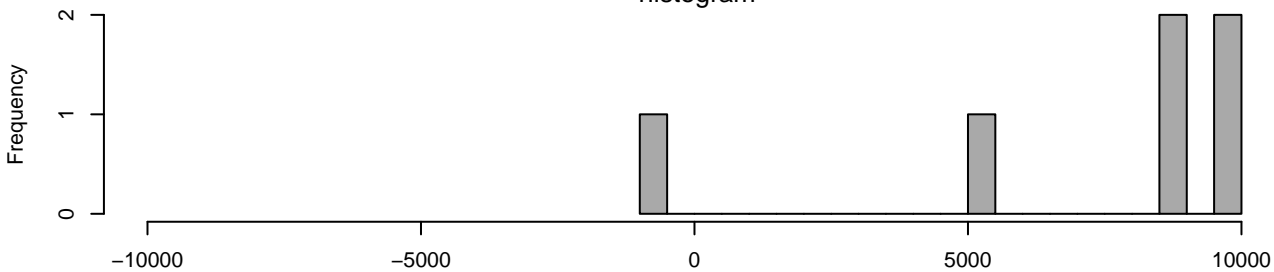
# GSE182381-2-vs-3-human dn

beeswarm plot



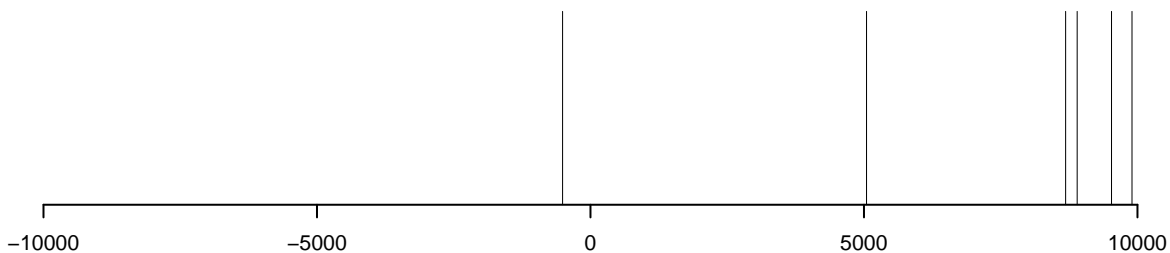
ranked DE score in: x

histogram



ranked DE score in: x

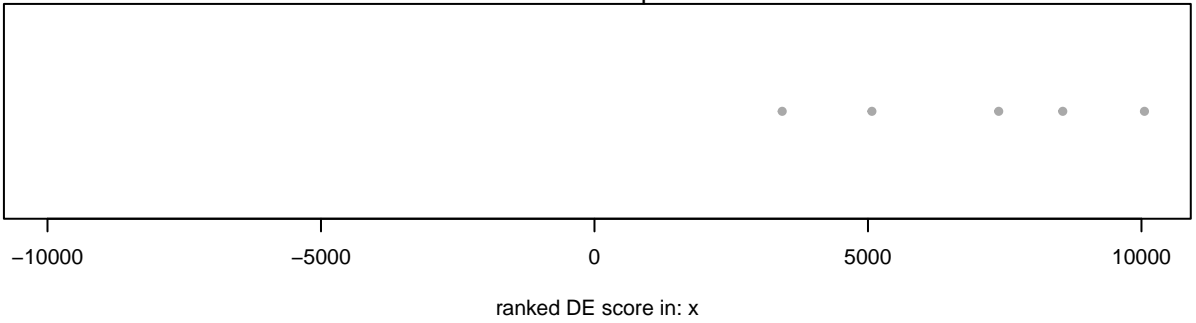
rugplot



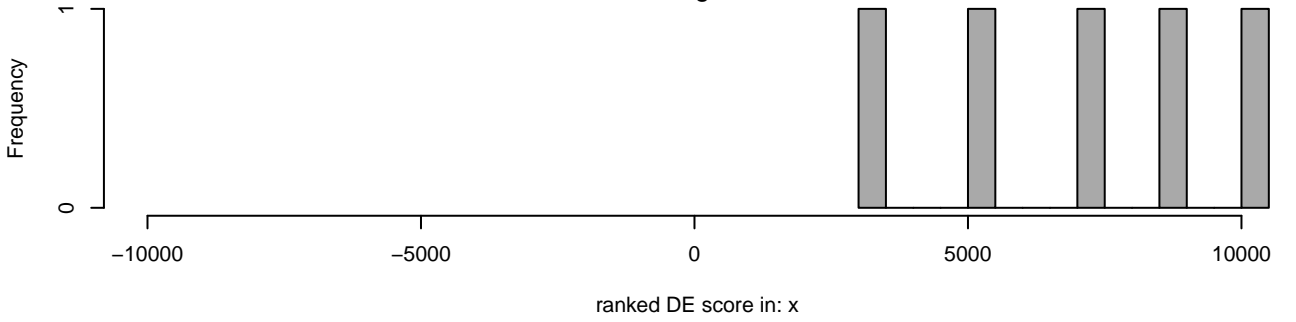
ranked DE score in: x

# GSE136891-6-vs-1-human up

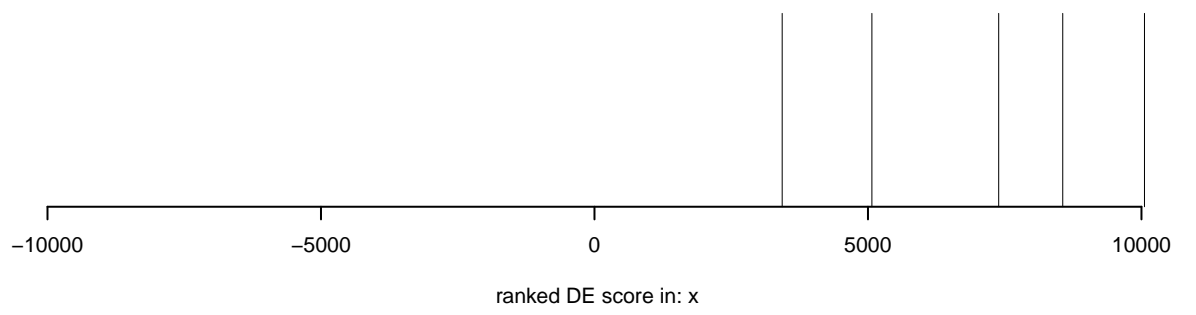
beeswarm plot



histogram

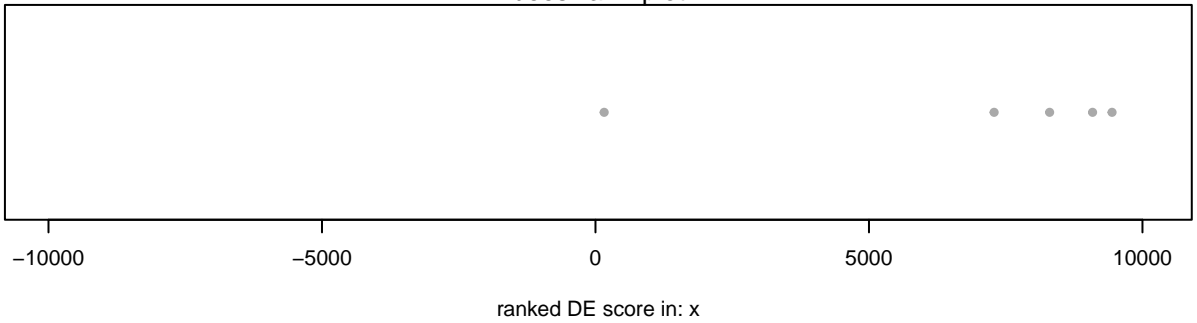


rugplot

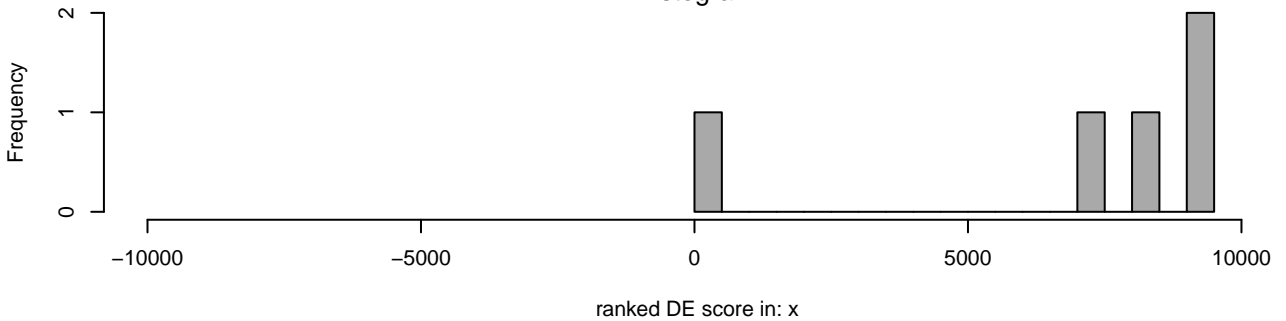


# GSE129811-1-vs-3-human up

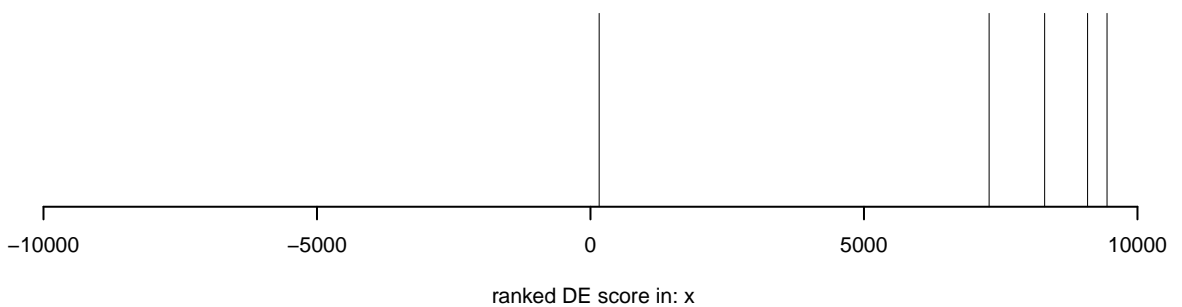
beeswarm plot



histogram

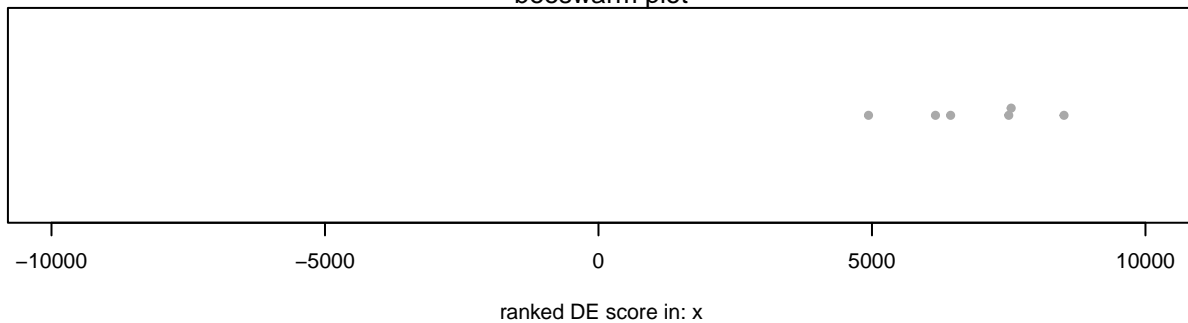


rugplot

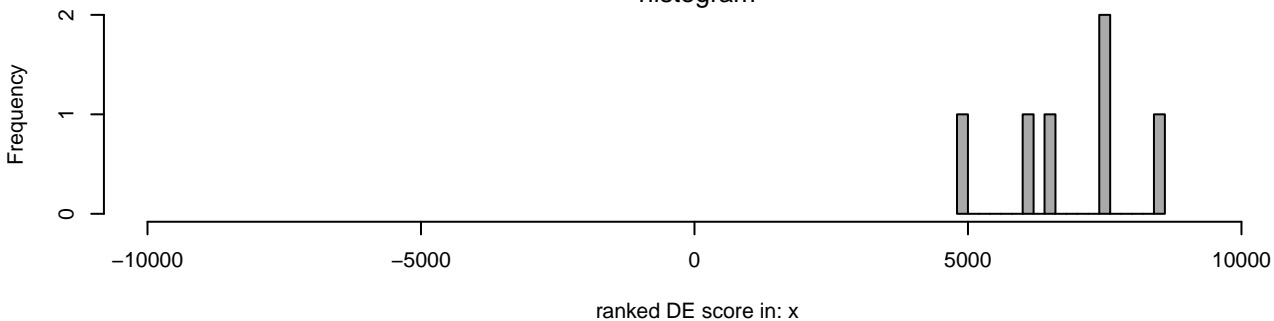


# GSE140208-0-vs-3-human dn

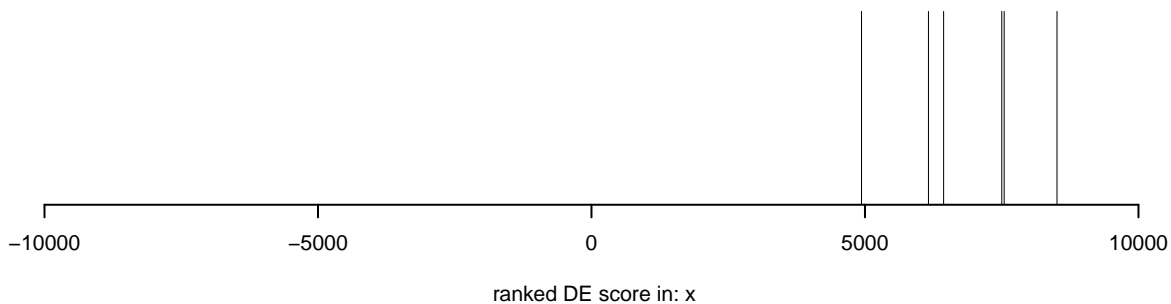
beeswarm plot



histogram

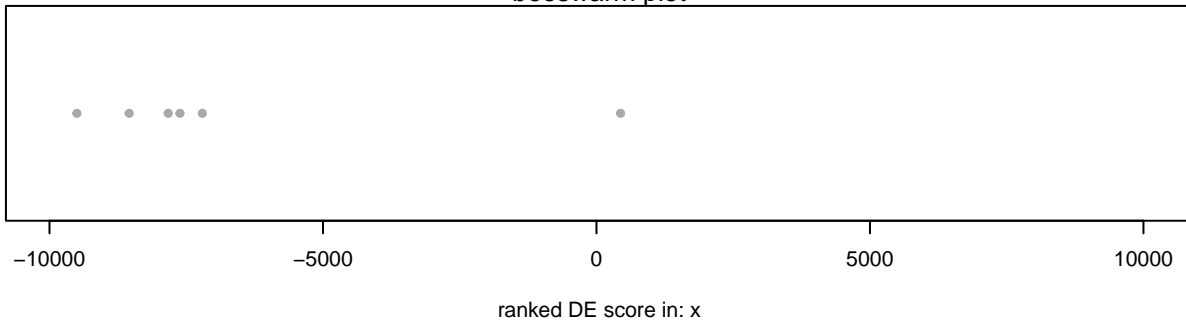


rugplot

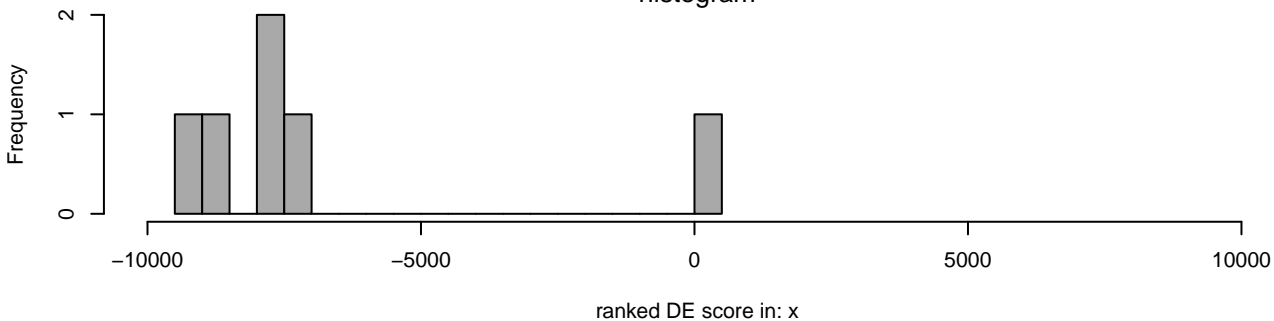


# GSE124761-4-vs-6-human dn

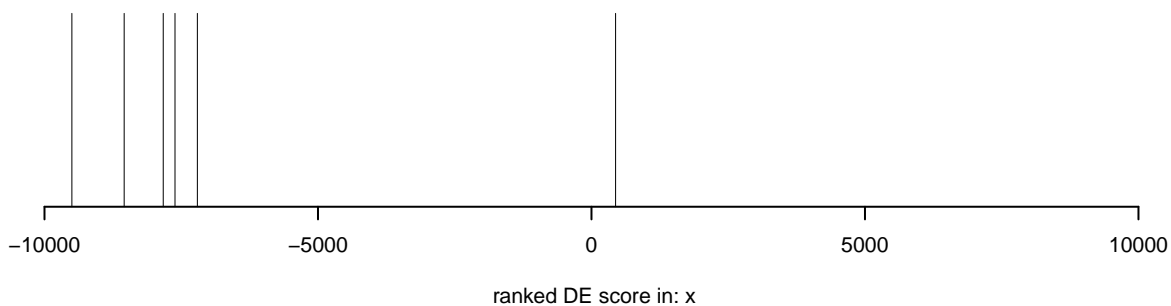
beeswarm plot



histogram

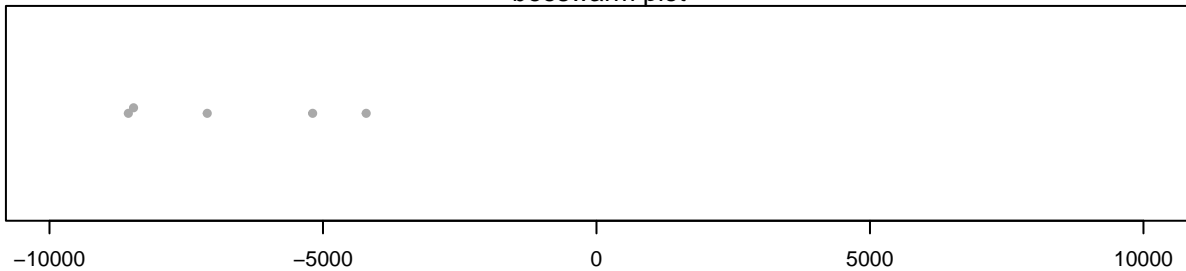


rugplot



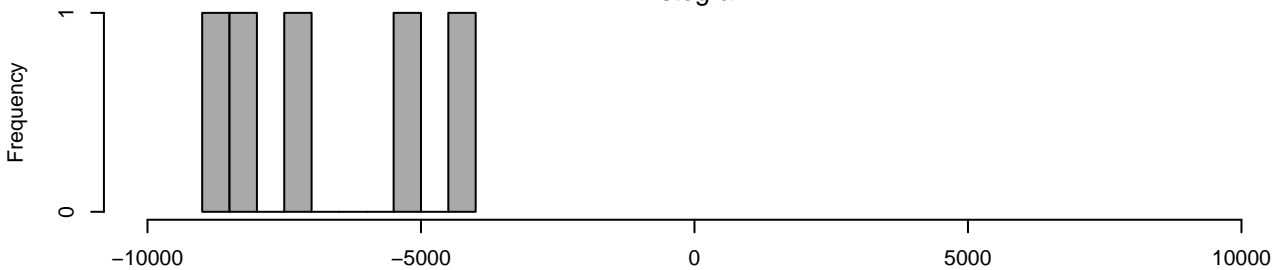
# GSE158557-4-vs-0-human up

beeswarm plot



ranked DE score in: x

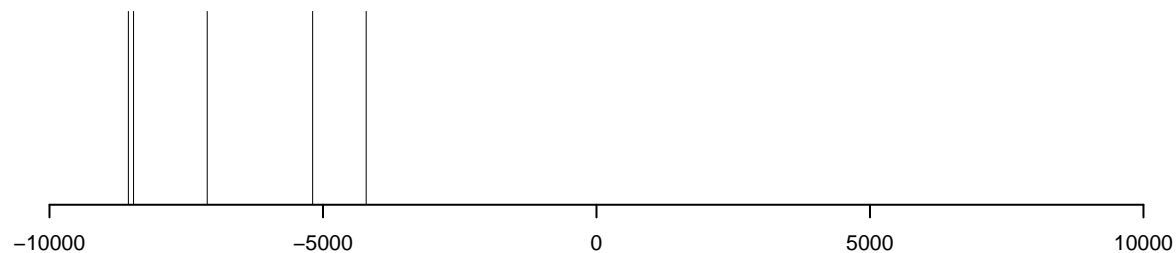
histogram



Frequency

ranked DE score in: x

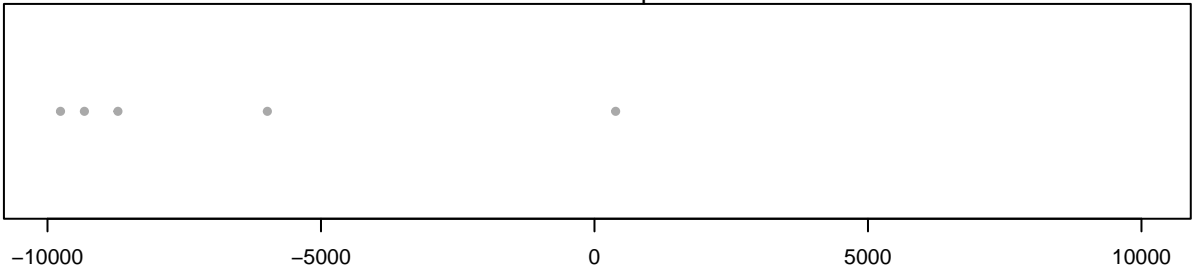
rugplot



ranked DE score in: x

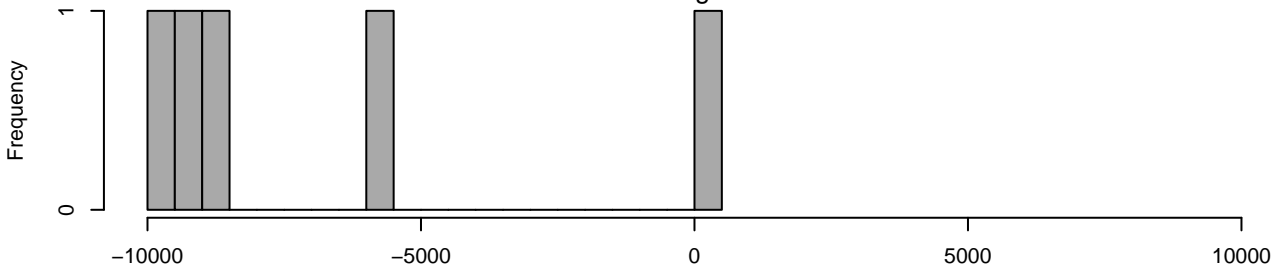
# GSE56691,GSE56696-1-vs-2-human up

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

rugplot

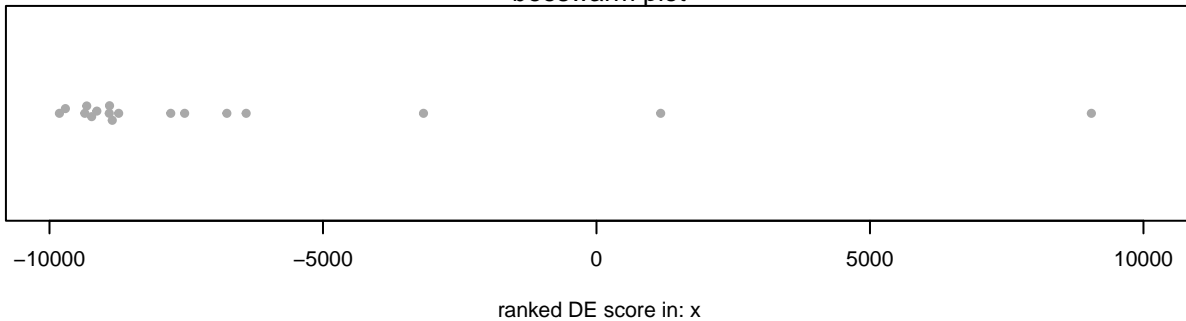


ranked DE score in: x

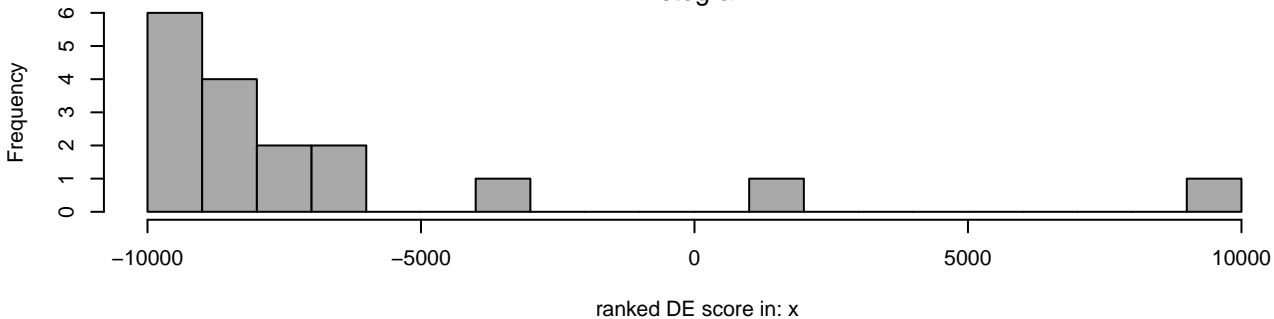


# GSE162894-10-vs-2-human dn

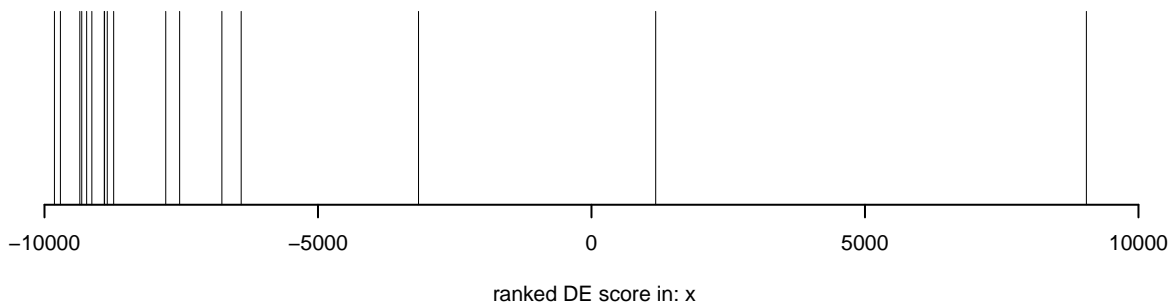
beeswarm plot



histogram

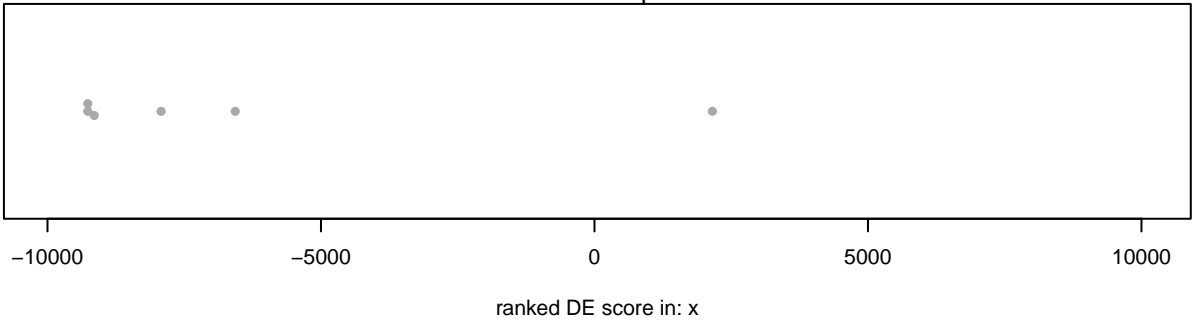


rugplot

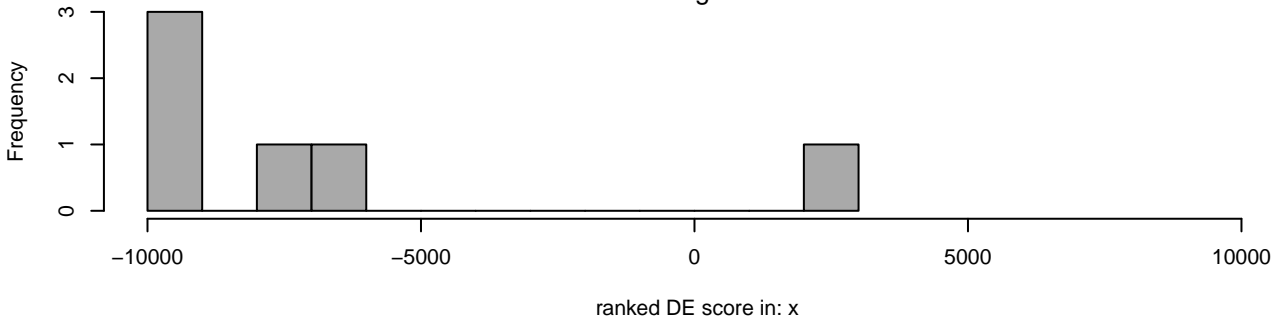


# GSE198856-2-vs-3-human up

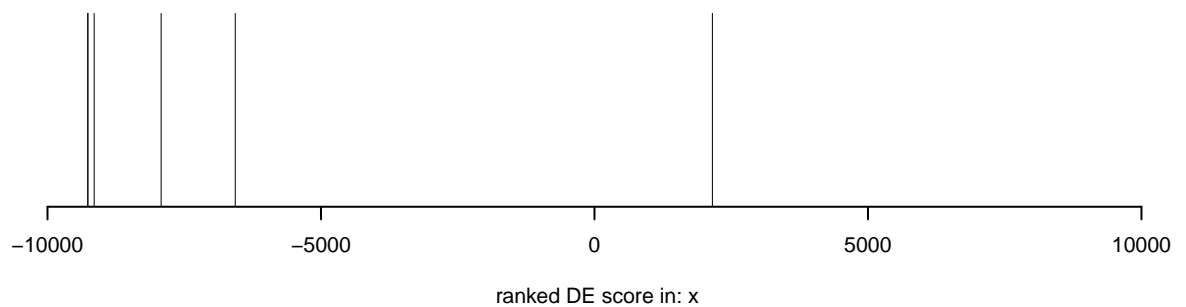
beeswarm plot



histogram

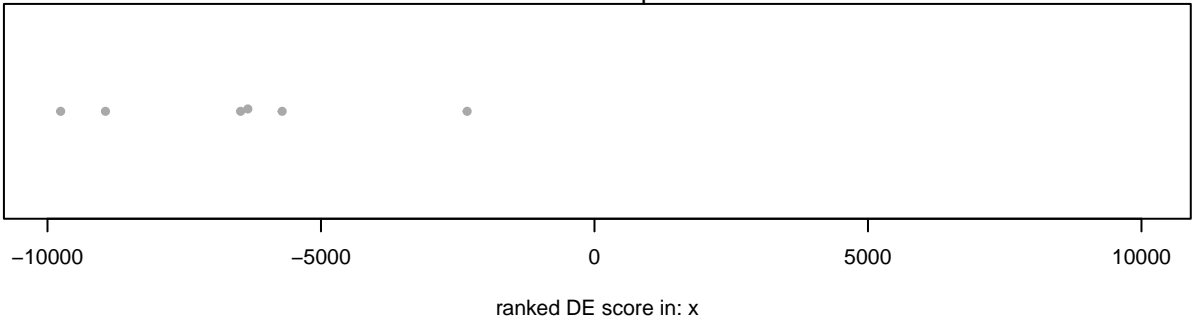


rugplot

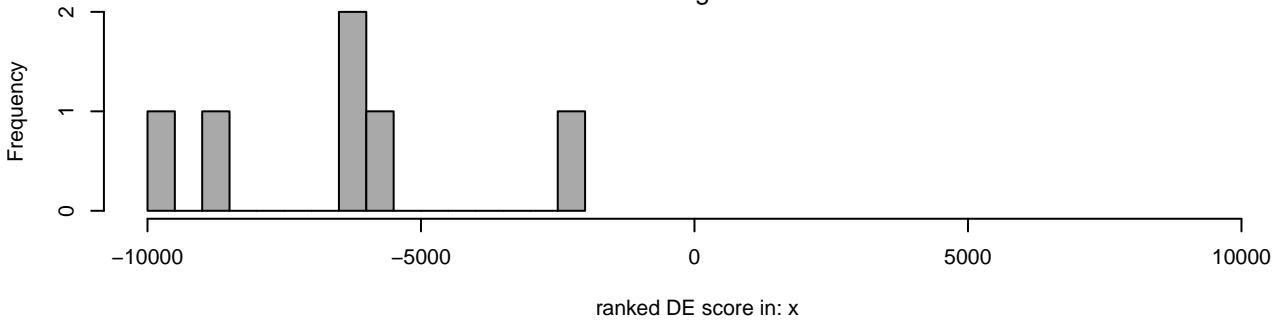


# GSE118373-1-vs-2-human dn

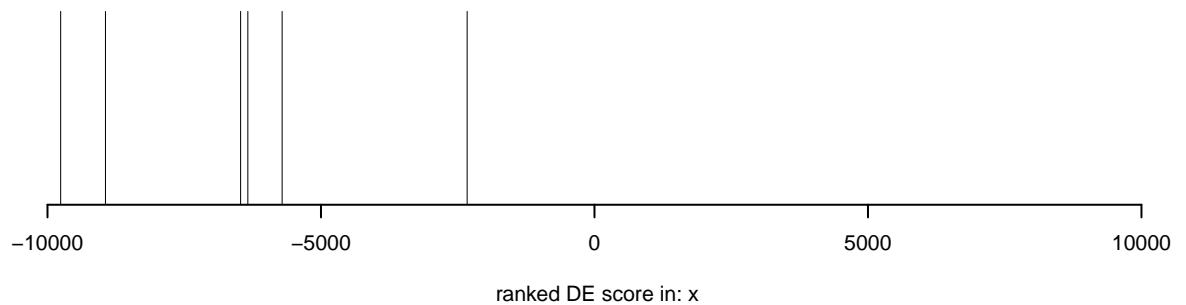
beeswarm plot



histogram

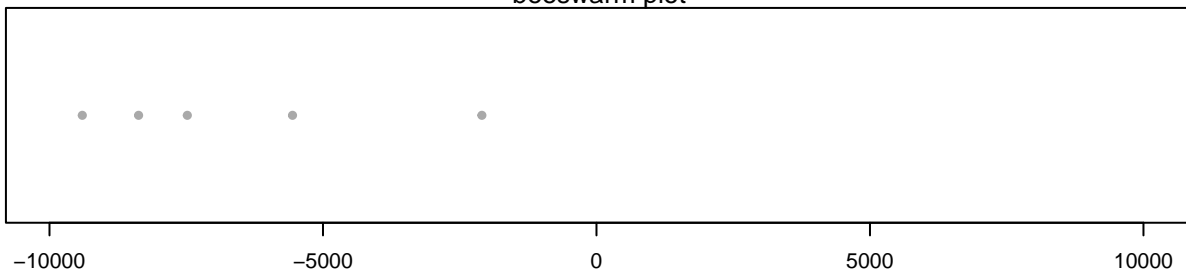


rugplot



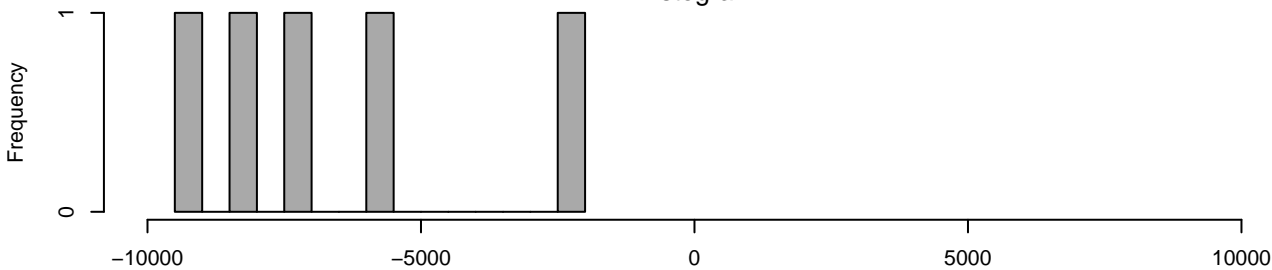
# GSE147911,GSE147947-1-vs-4-human up

beeswarm plot



ranked DE score in: x

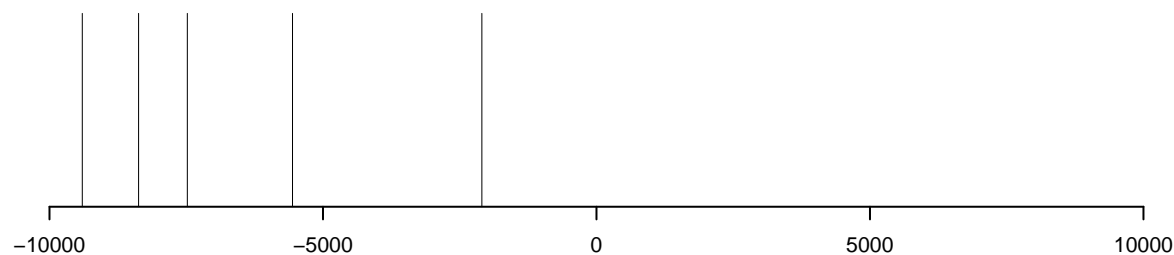
histogram



Frequency

ranked DE score in: x

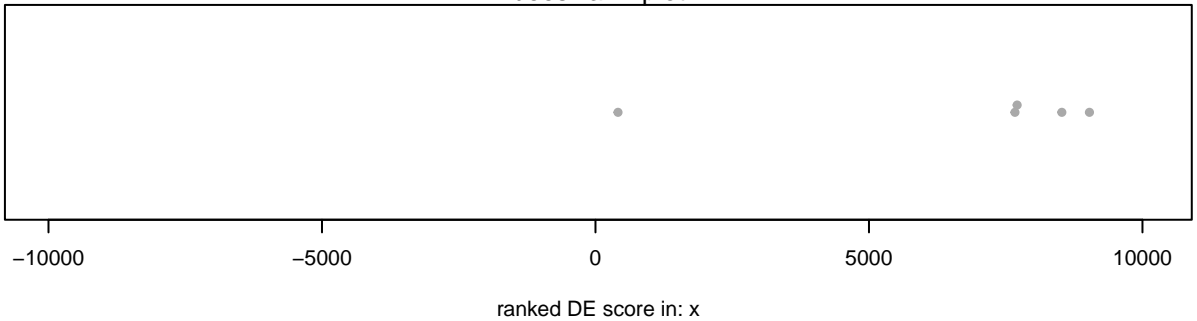
rugplot



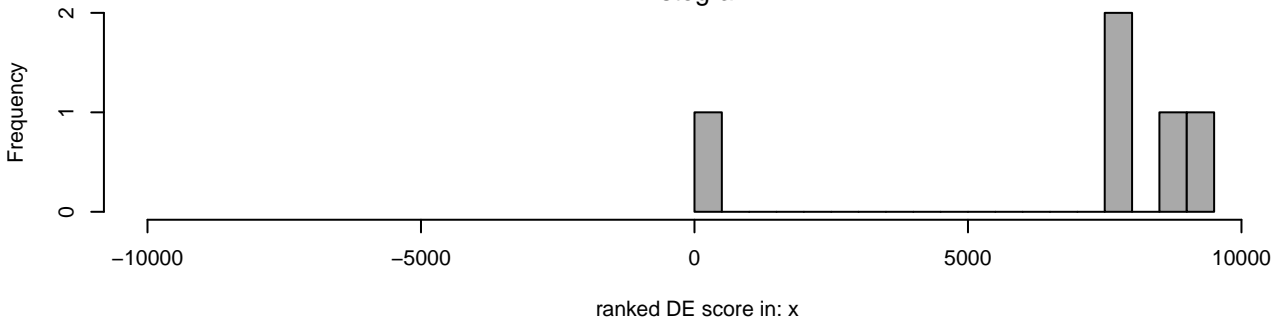
ranked DE score in: x

# GSE162179,GSE162180-4-vs-10-human up

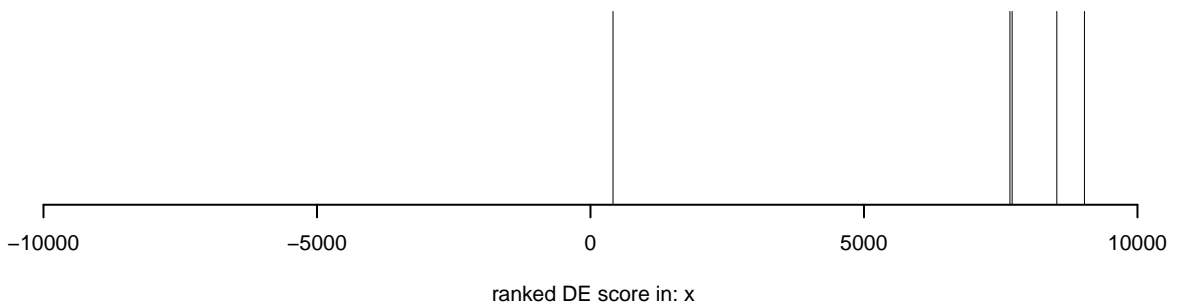
beeswarm plot



histogram

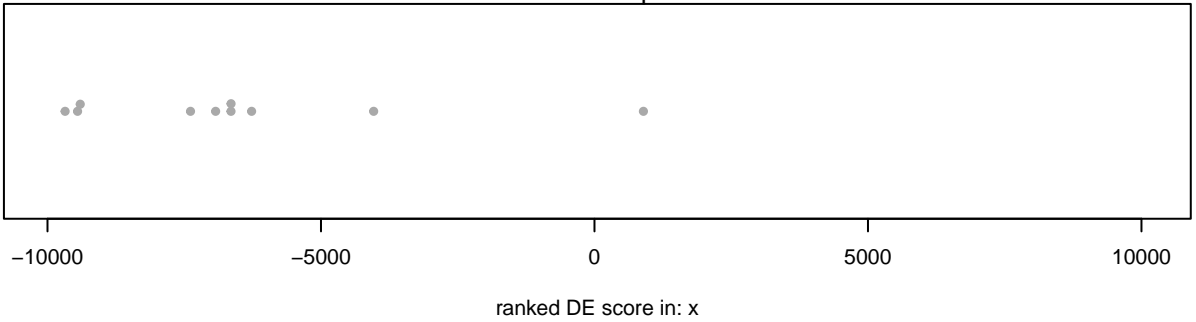


rugplot

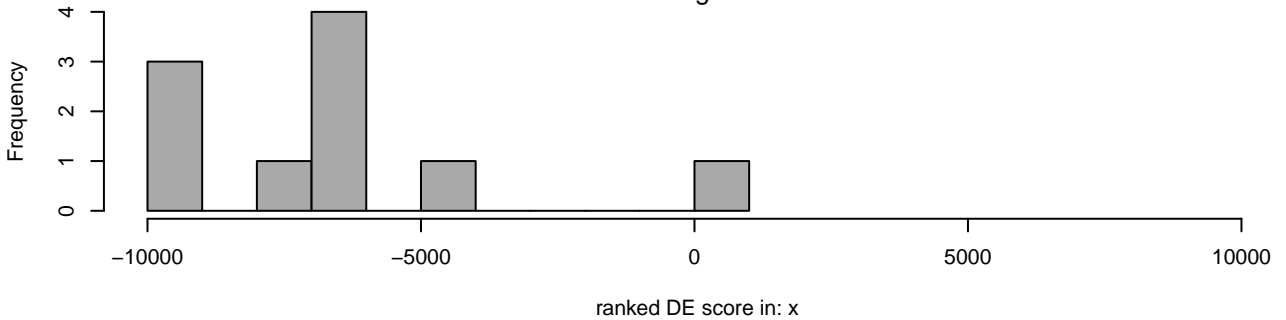


# GSE218256-5-vs-4-human dn

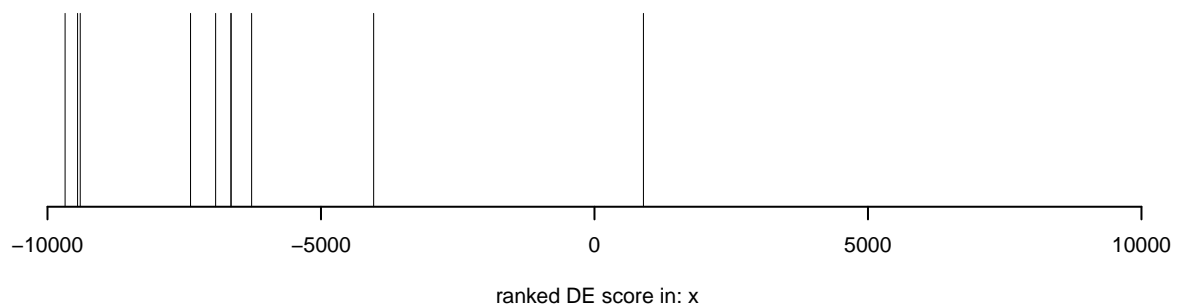
beeswarm plot



histogram

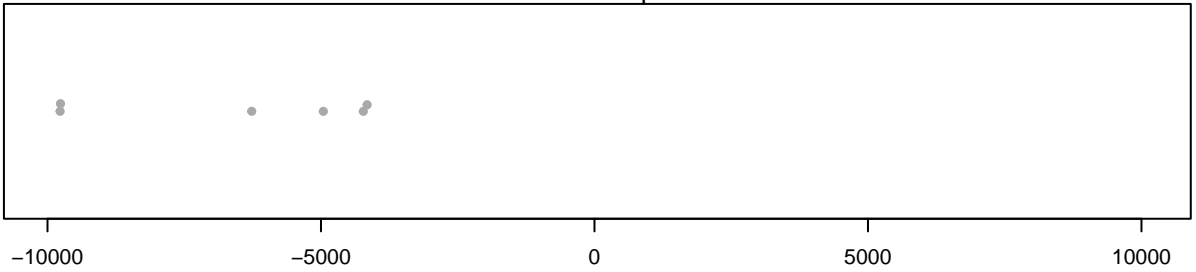


rugplot



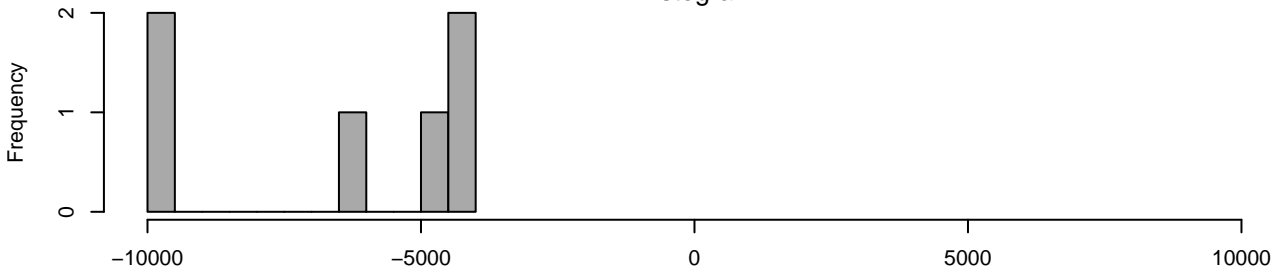
# GSE154810-0-vs-2-human dn

beeswarm plot



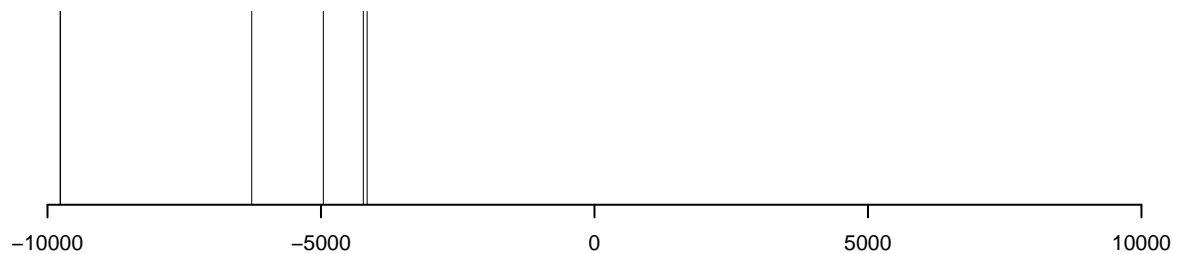
ranked DE score in: x

histogram



ranked DE score in: x

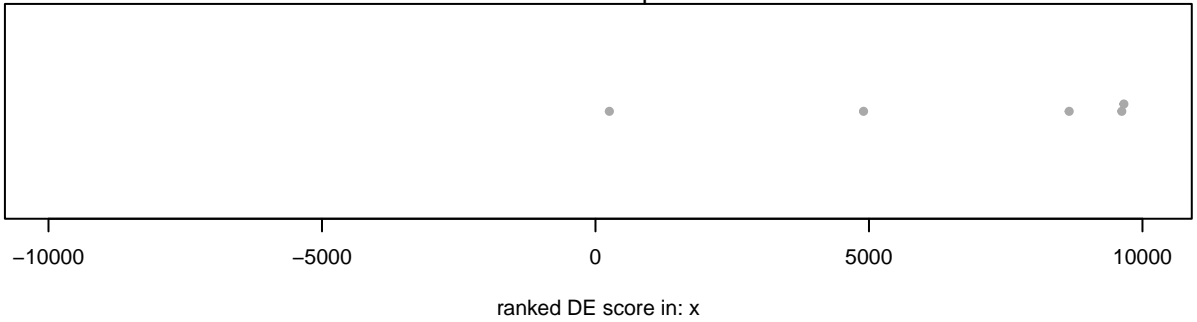
rugplot



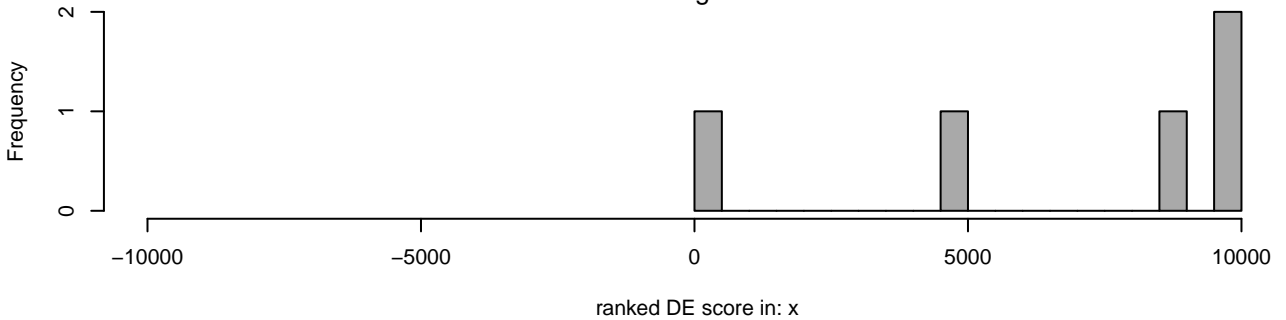
ranked DE score in: x

# GSE157743,GSE157745-9-vs-11-human dn

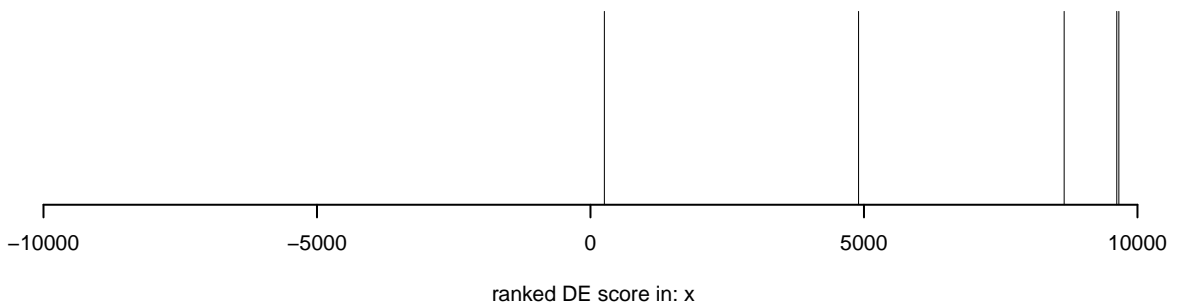
beeswarm plot



histogram



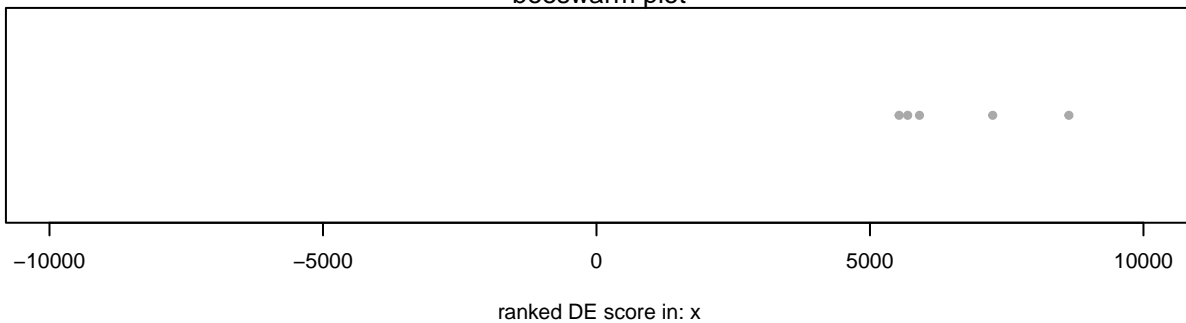
rugplot



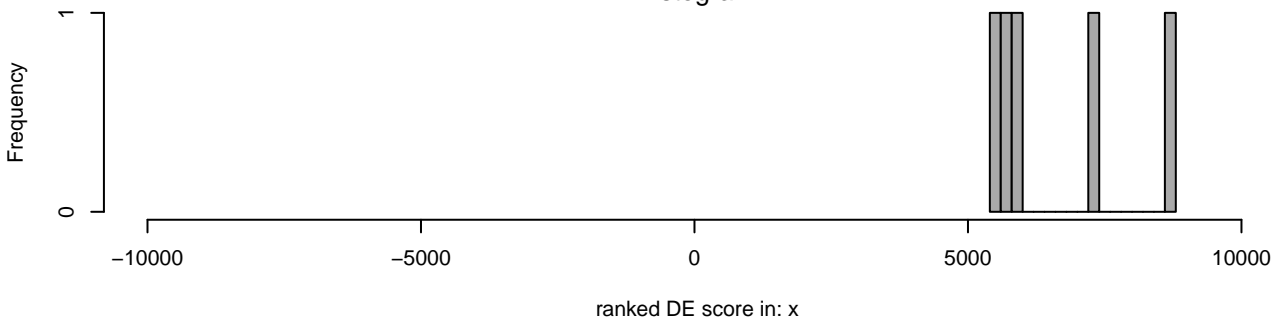


# GSE111459-9-vs-13-human up

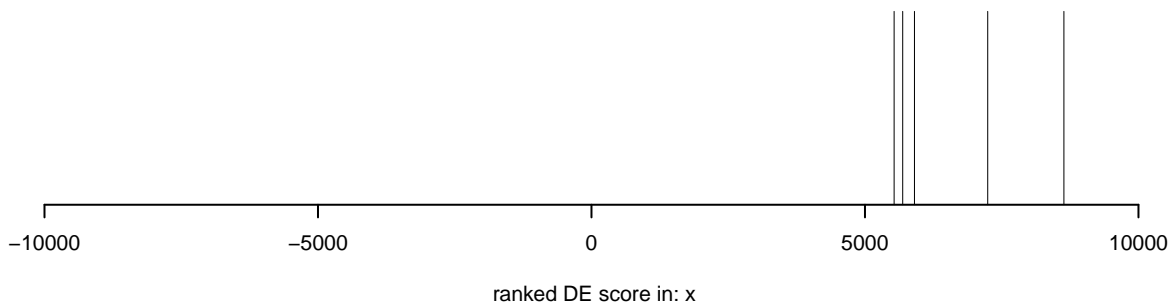
beeswarm plot



histogram

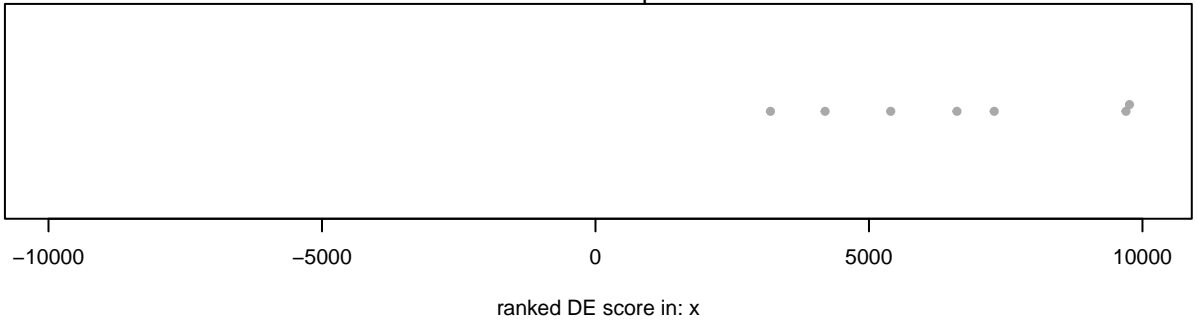


rugplot

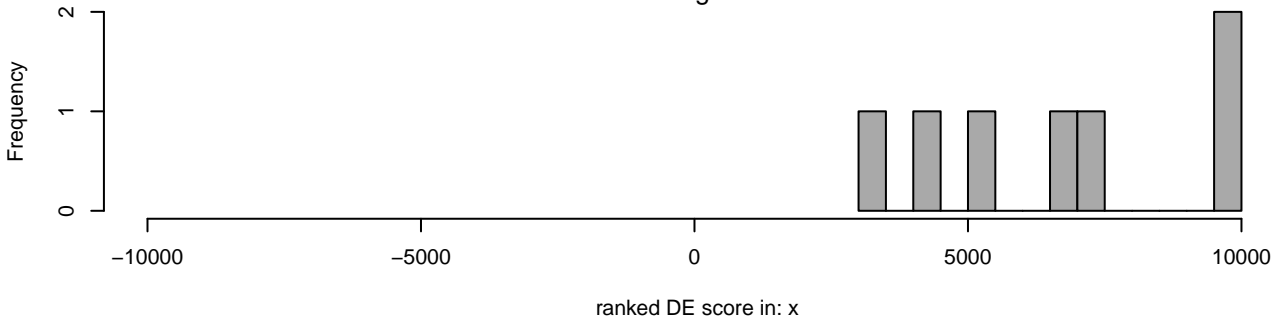


# GSE124817-0-vs-2-human up

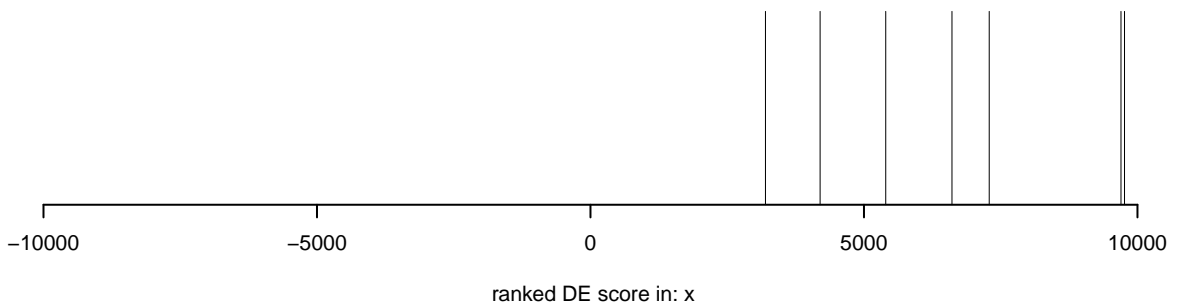
beeswarm plot



histogram

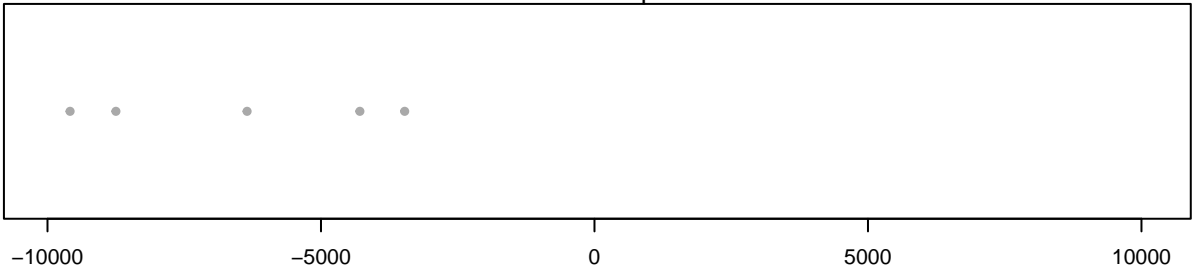


rugplot



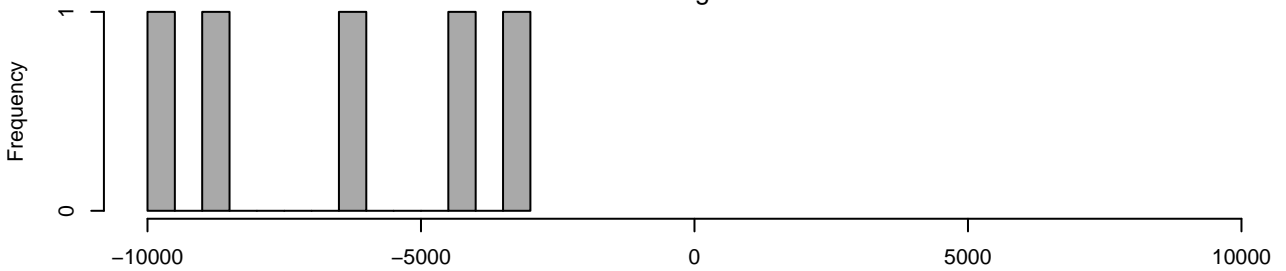
# GSE105264-6-vs-14-human up

beeswarm plot



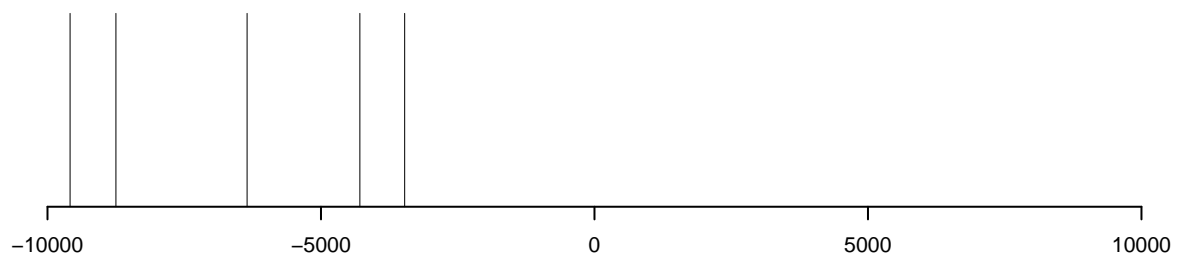
ranked DE score in: x

histogram



ranked DE score in: x

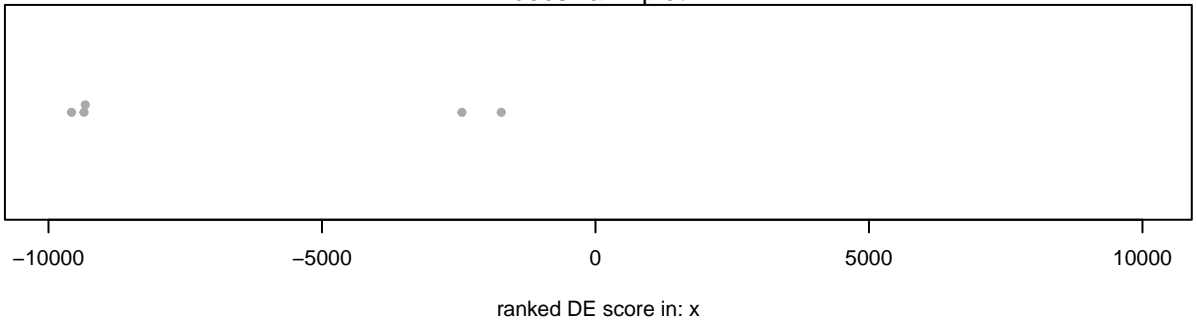
rugplot



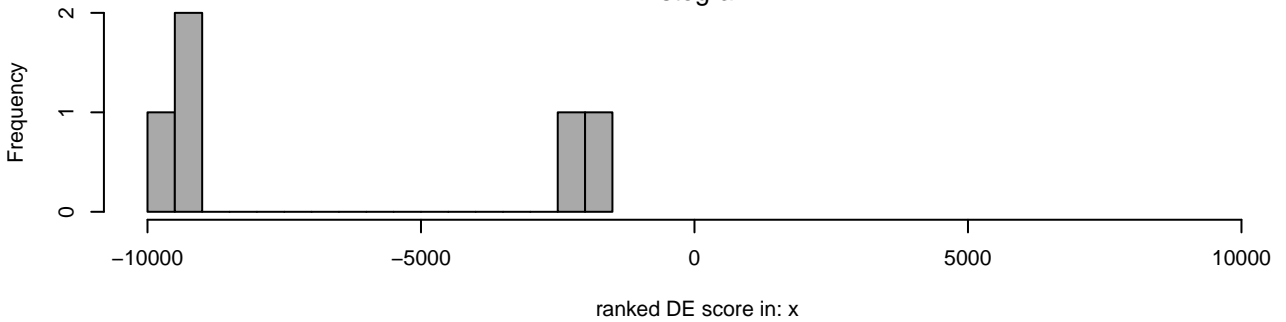
ranked DE score in: x

# GSE154650-1-vs-2-human up

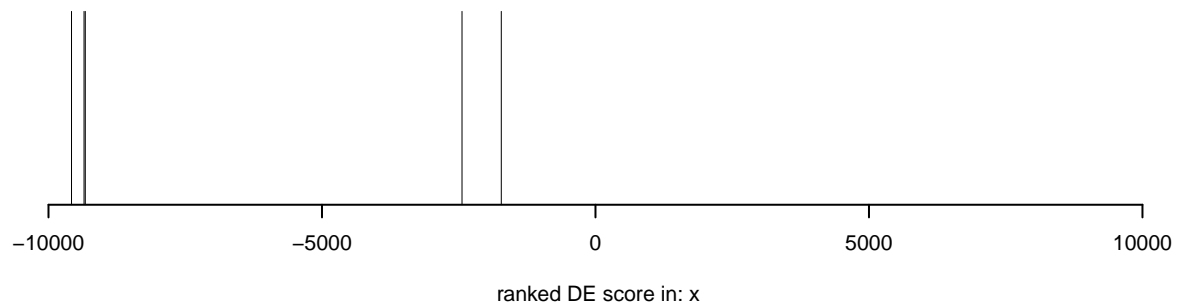
beeswarm plot



histogram

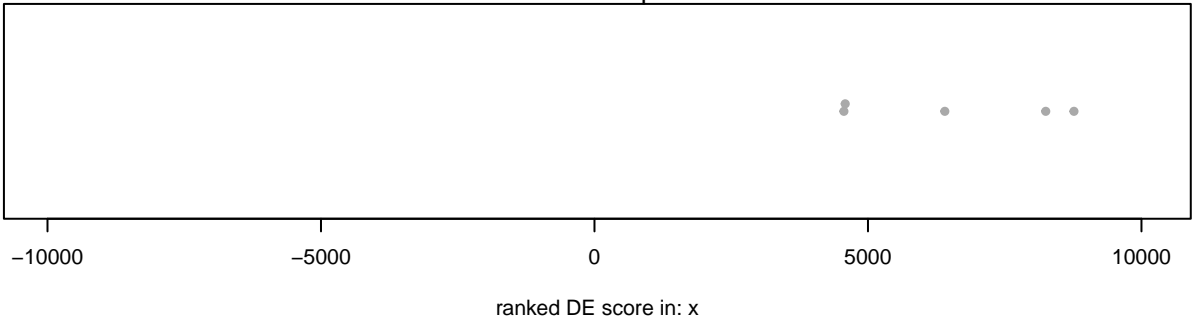


rugplot

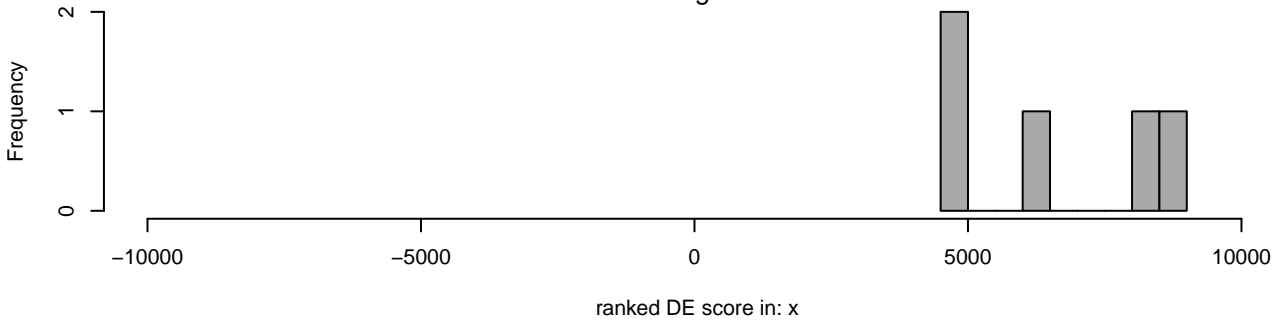


# GSE163122-1-vs-2-human up

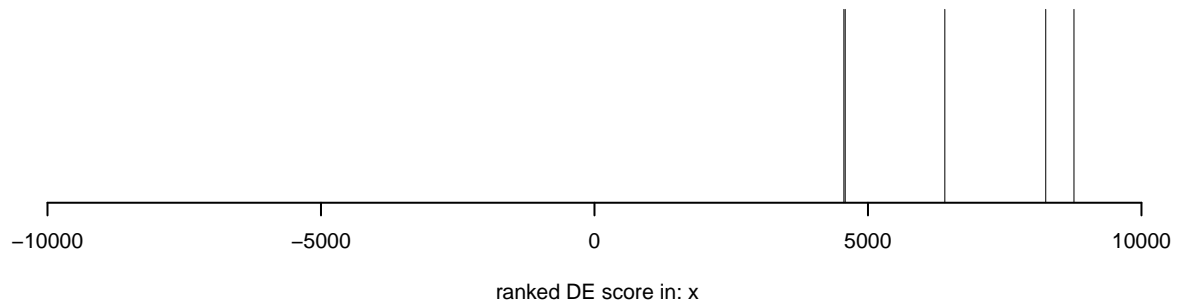
beeswarm plot



histogram

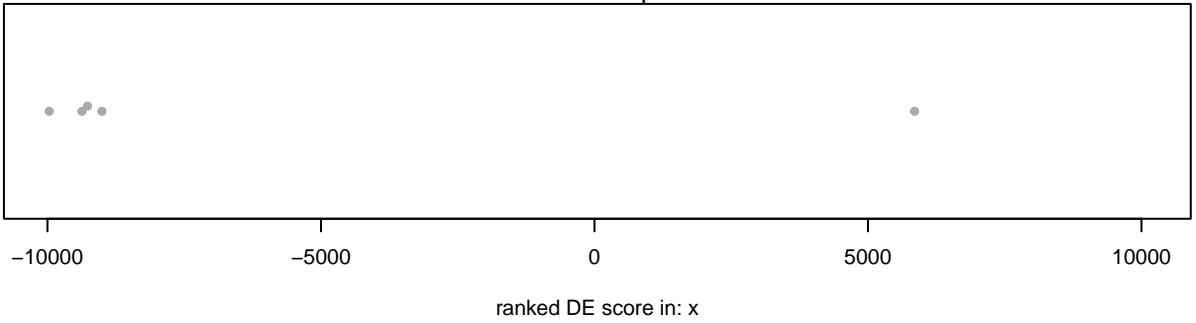


rugplot

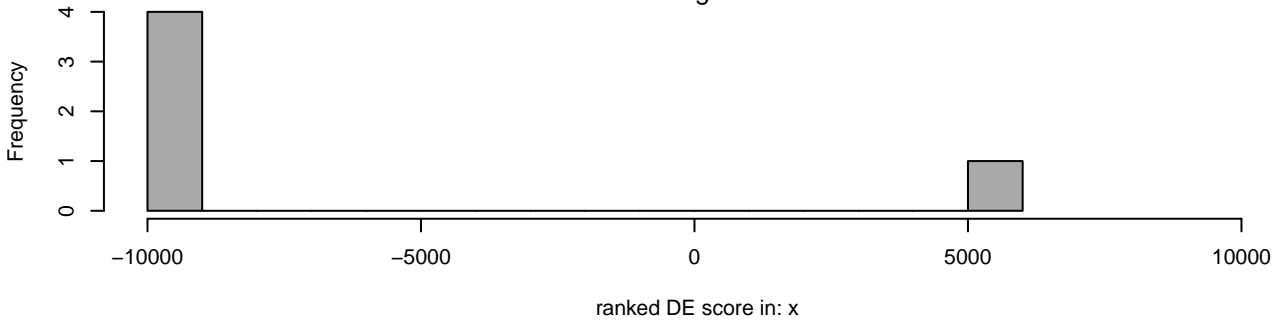


# GSE69735-2-vs-1-human up

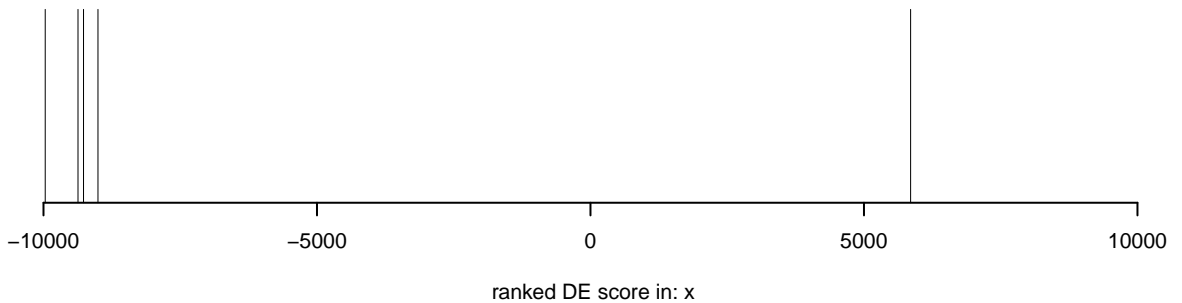
beeswarm plot



histogram

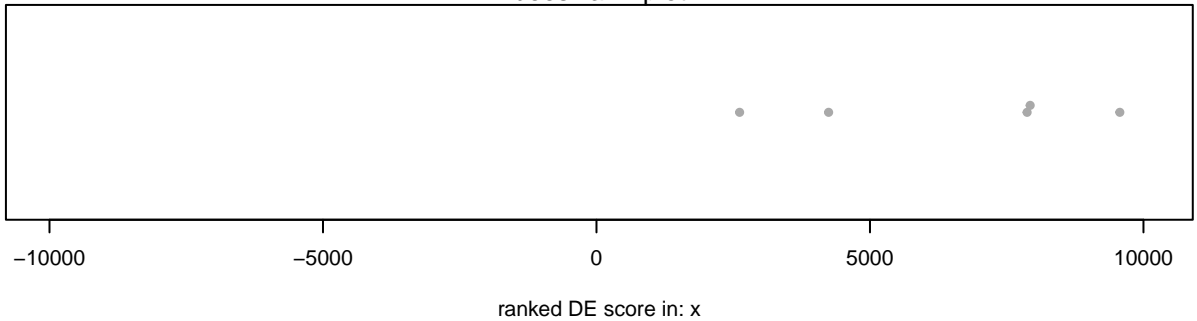


rugplot

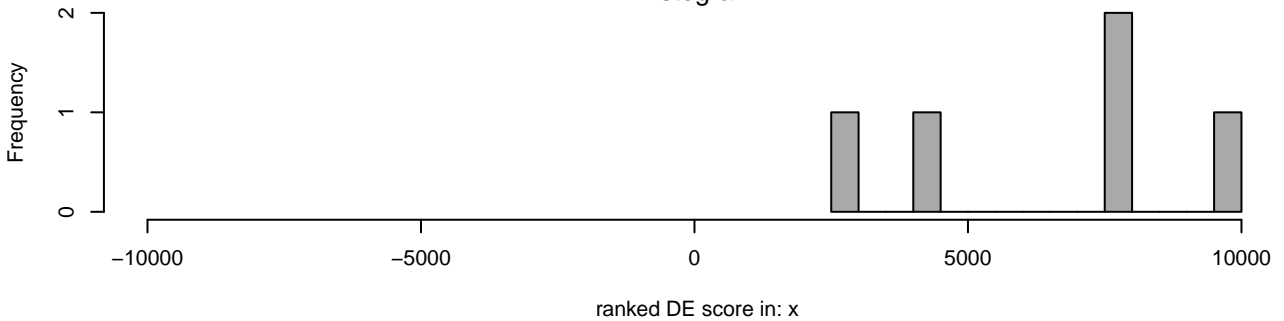


# GSE99987-2-vs-12-human up

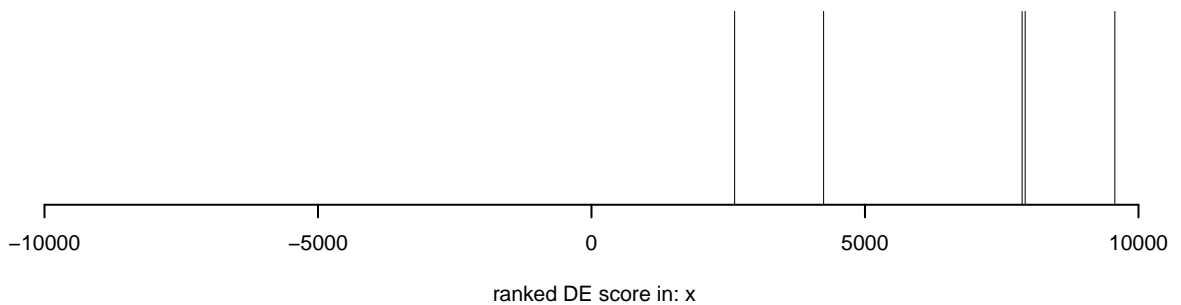
beeswarm plot



histogram

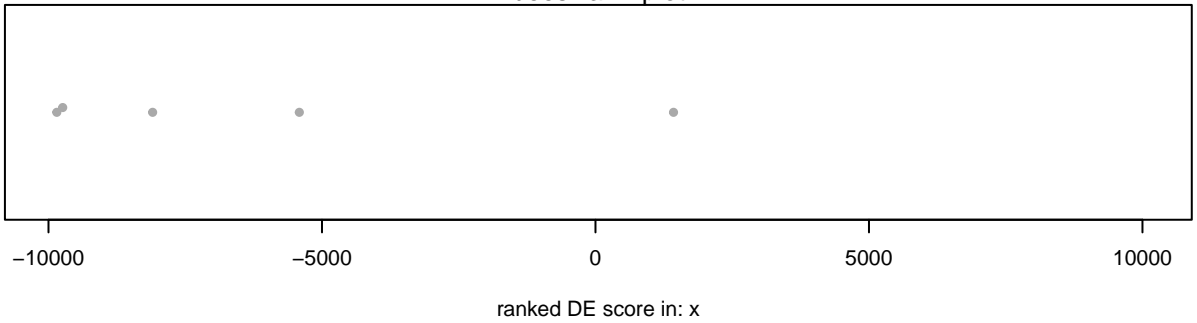


rugplot

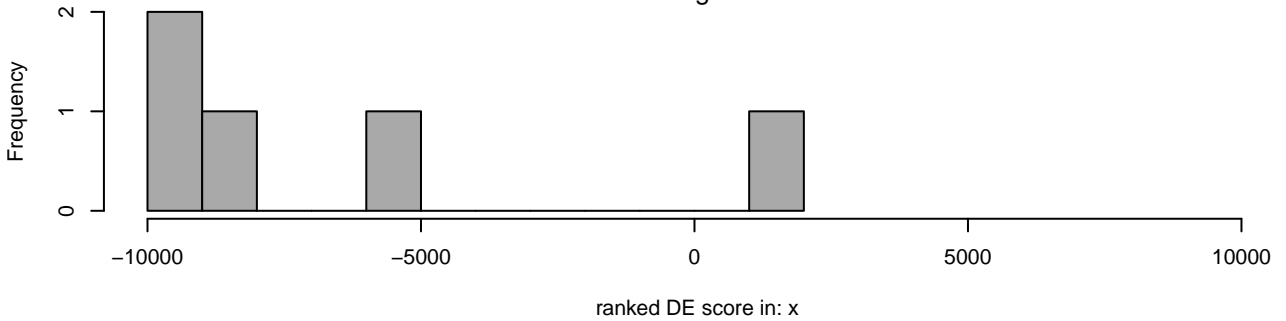


# GSE156562-1-vs-0-human dn

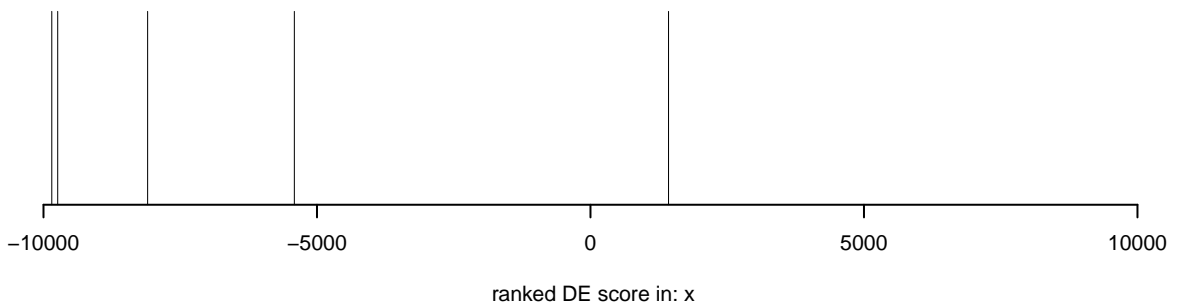
beeswarm plot



histogram



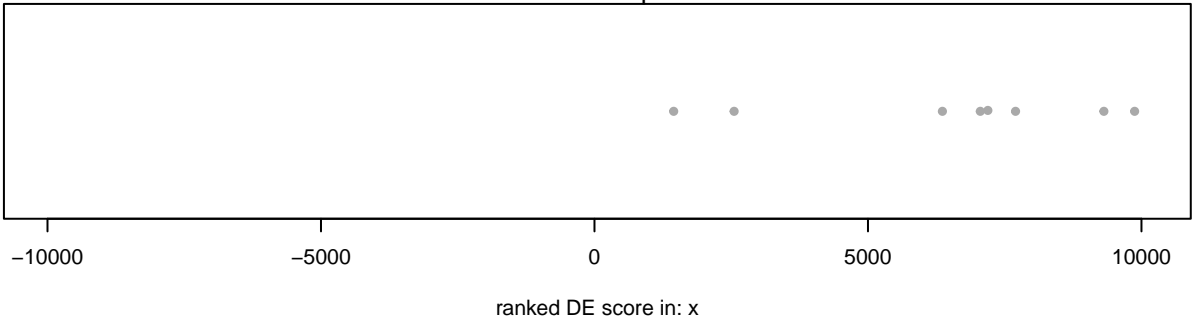
rugplot



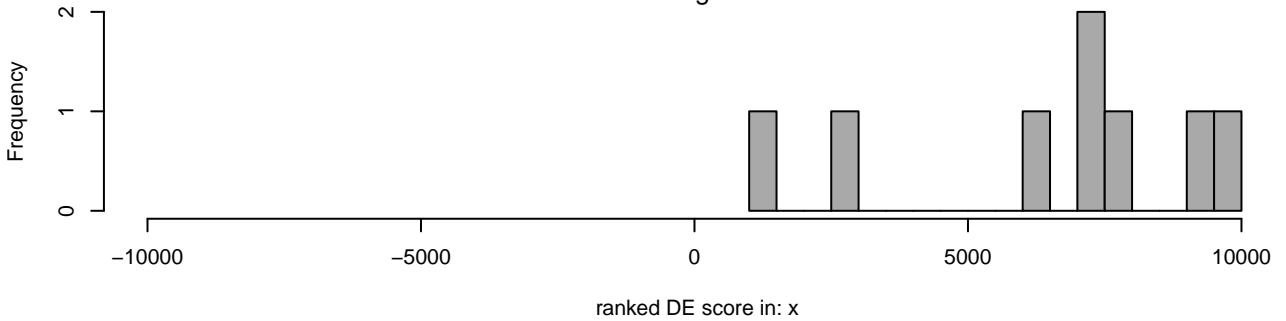


# GSE148987-0-vs-1-human up

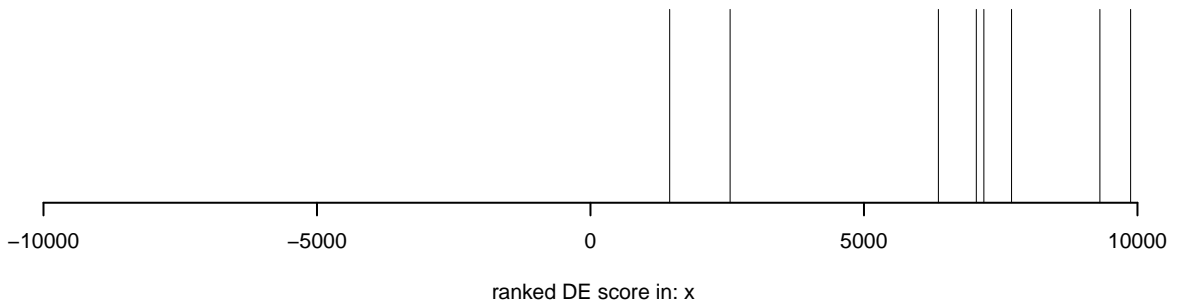
beeswarm plot



histogram

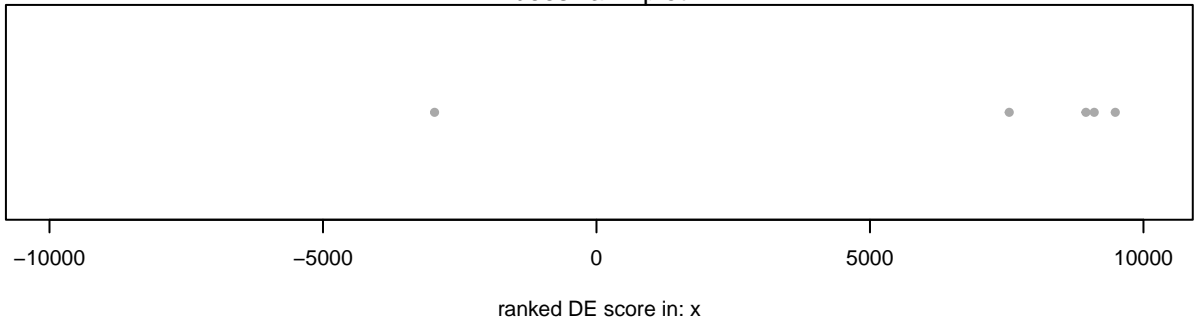


rugplot

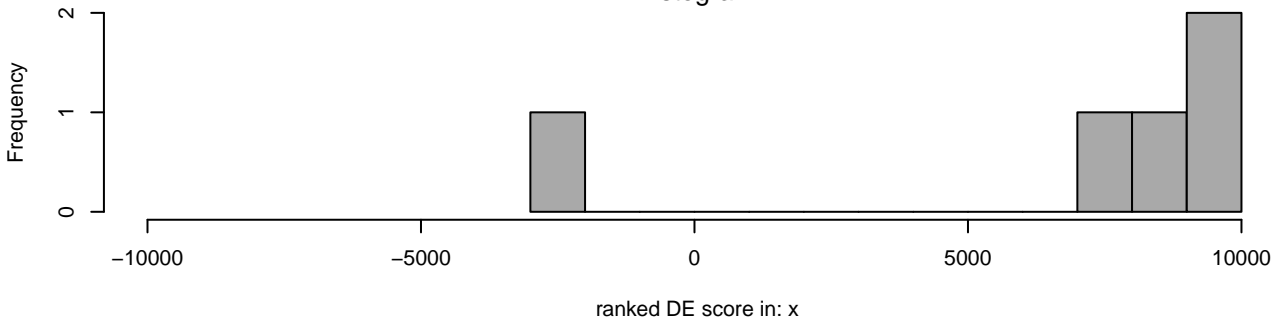


# GSE208575-0-vs-2-human up

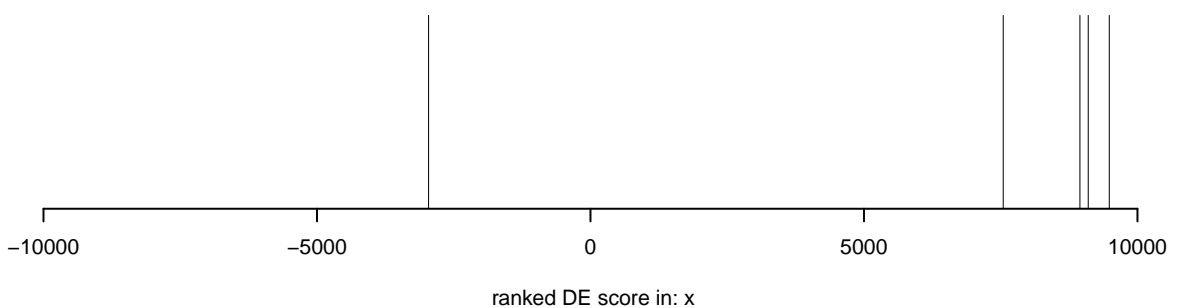
beeswarm plot



histogram

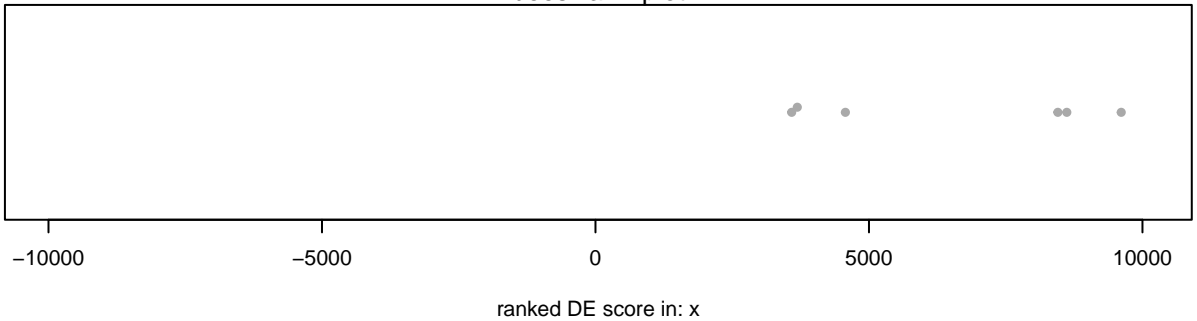


rugplot

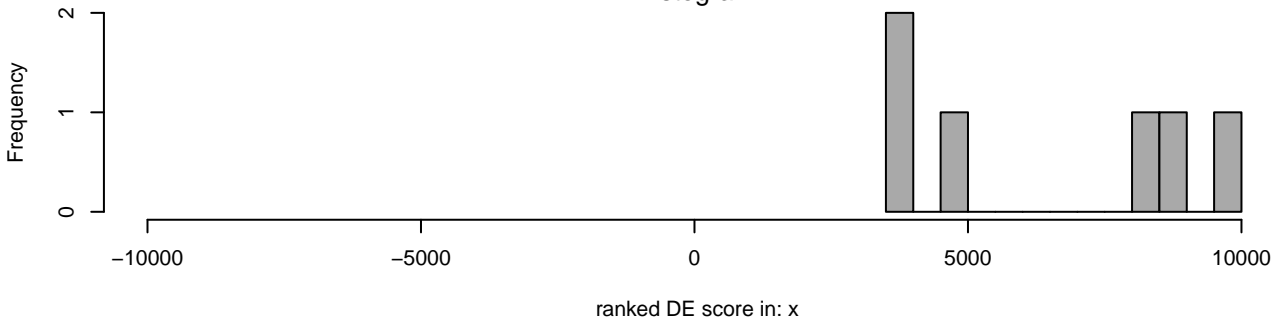


# GSE78199-2-vs-3-human up

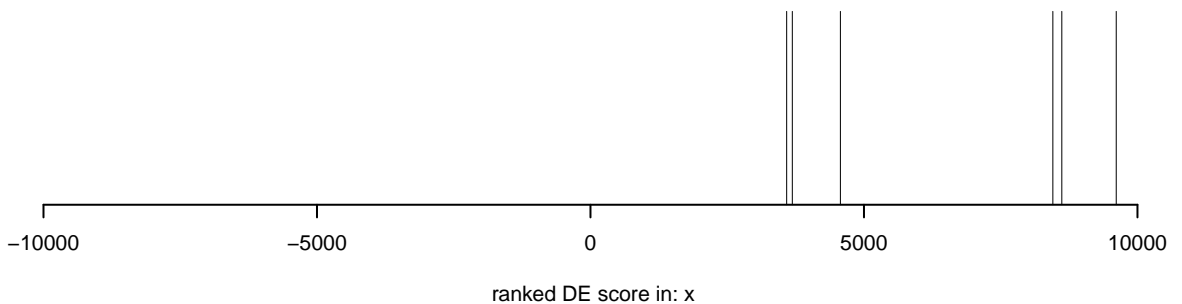
beeswarm plot



histogram

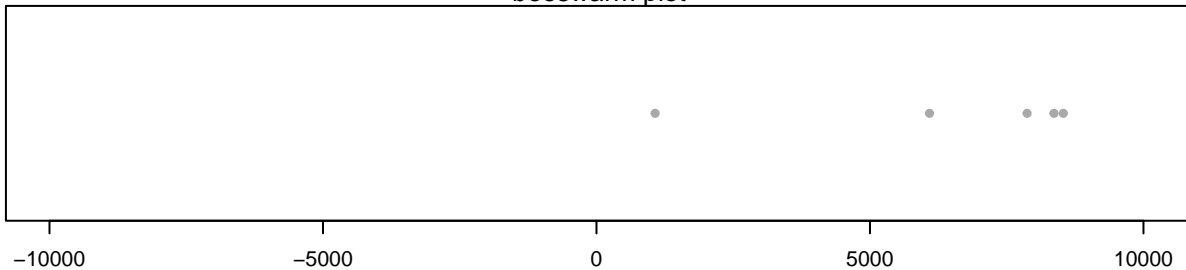


rugplot



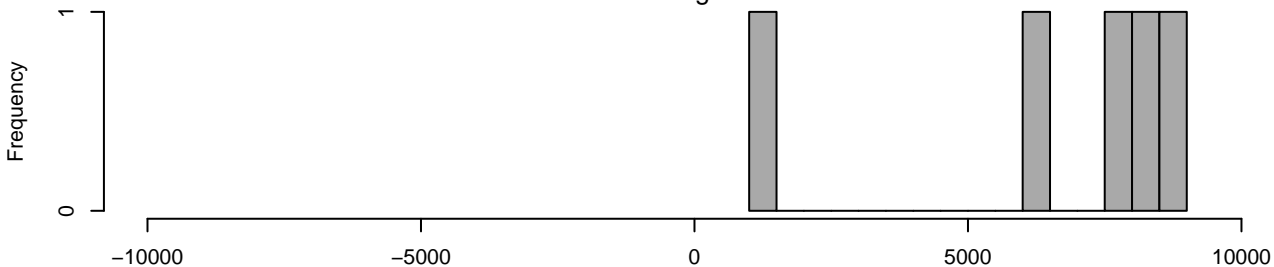
# GSE156702,GSE156707-3-vs-1-human dn

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

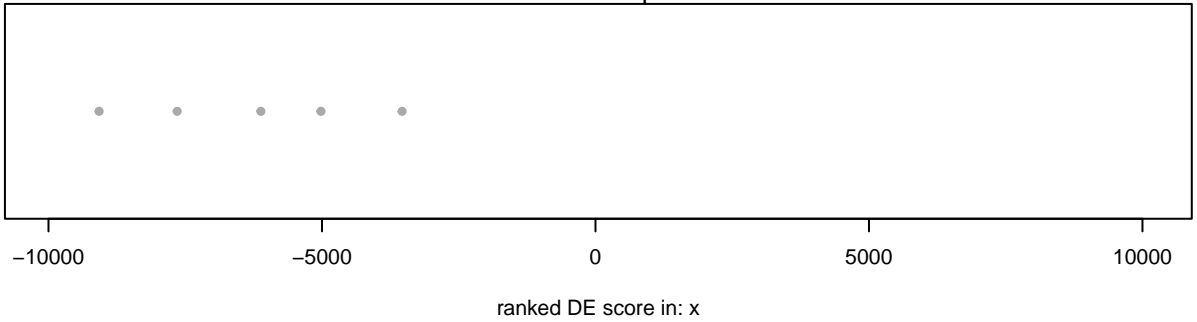
rugplot



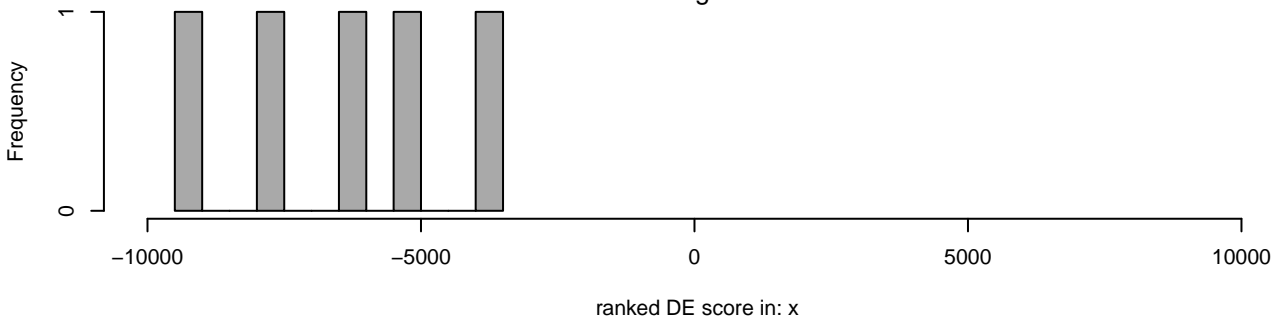
ranked DE score in: x

# GSE124118-2-vs-5-human dn

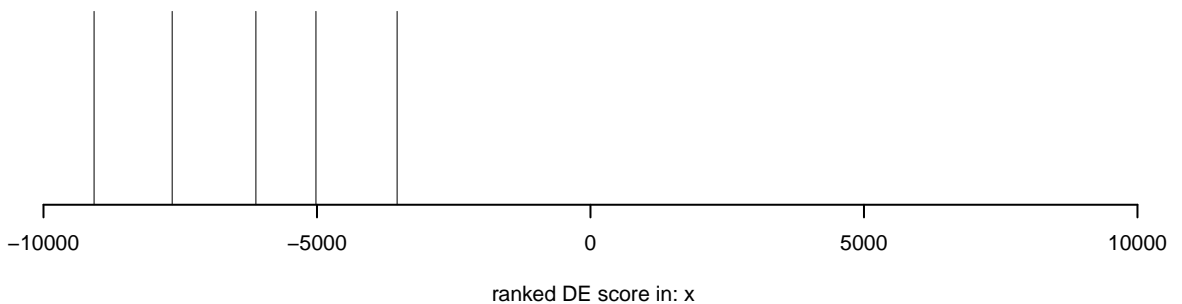
beeswarm plot



histogram

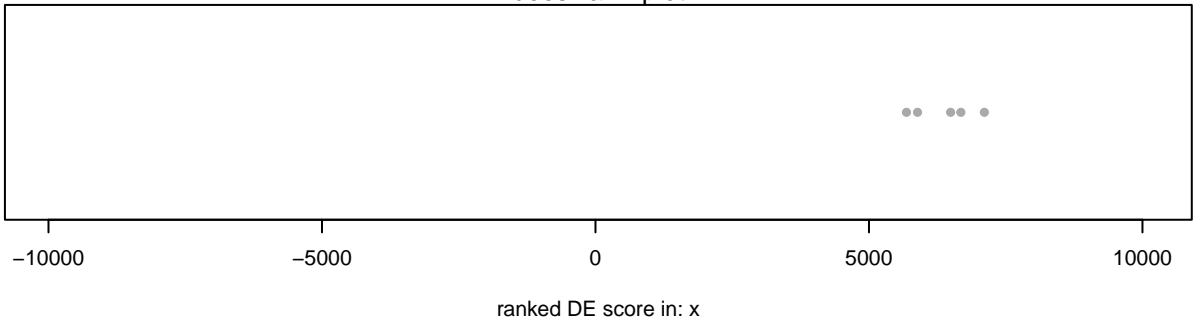


rugplot

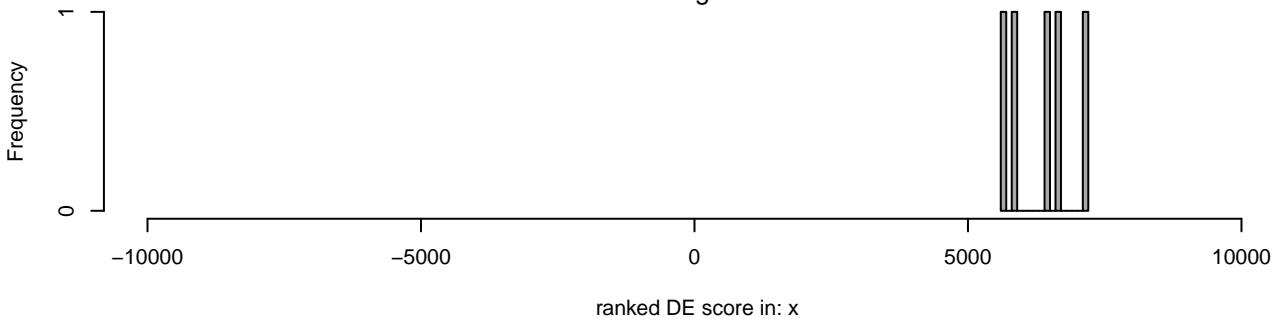


# GSE118947-4-vs-5-human up

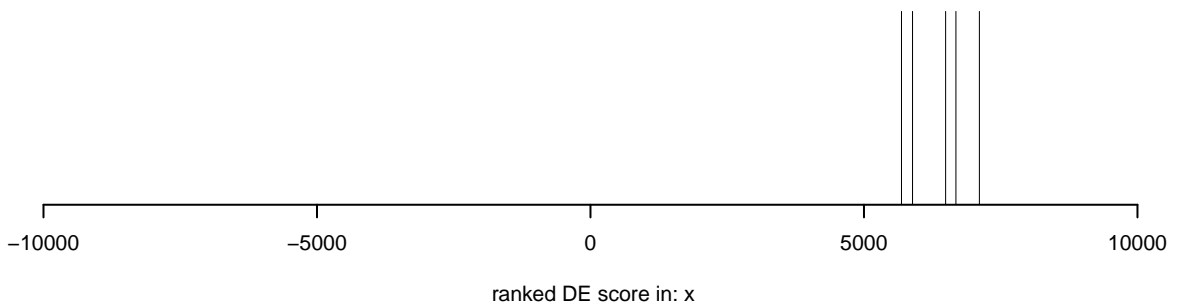
beeswarm plot



histogram



rugplot



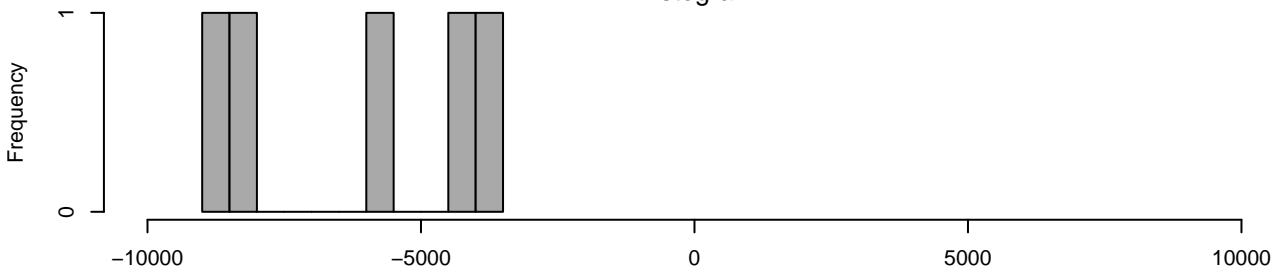
# GSE52778-2-vs-3-human dn

beeswarm plot



ranked DE score in: x

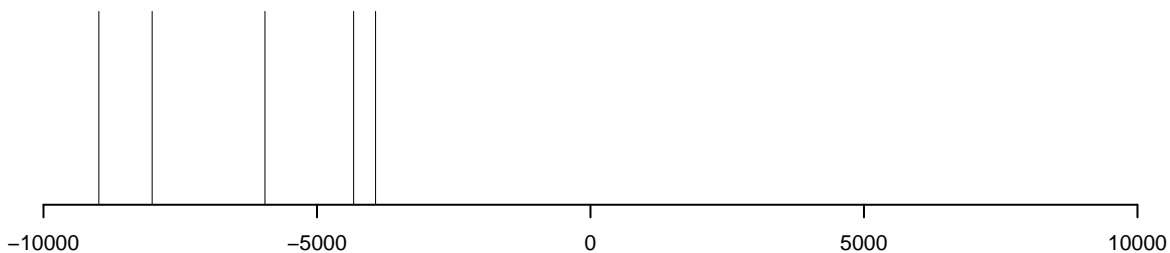
histogram



Frequency

ranked DE score in: x

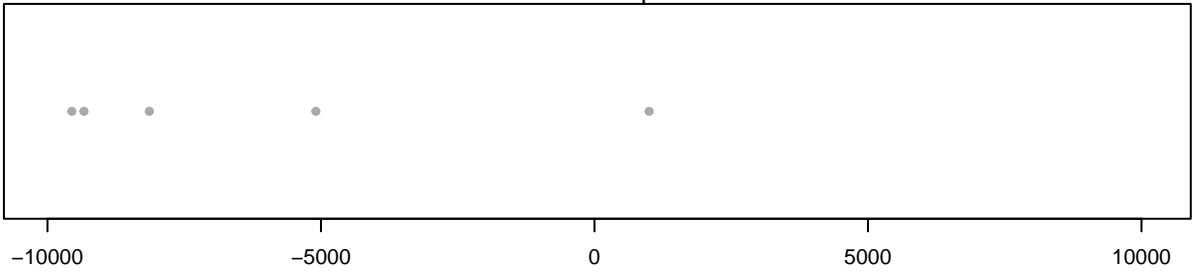
rugplot



ranked DE score in: x

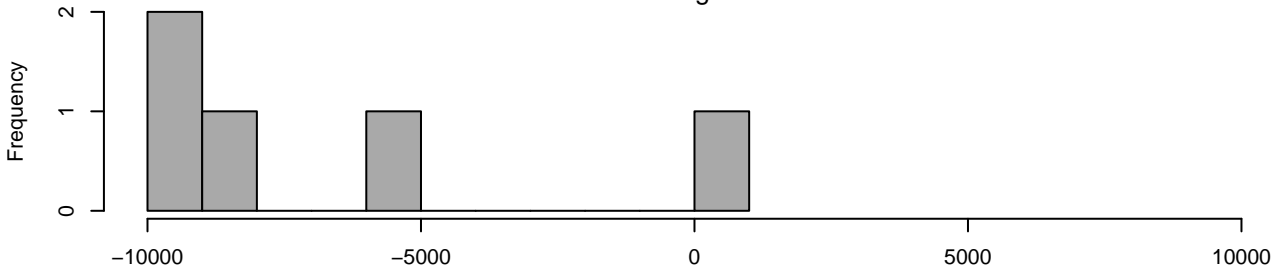
# GSE162179,GSE162180-7-vs-10-human up

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

rugplot

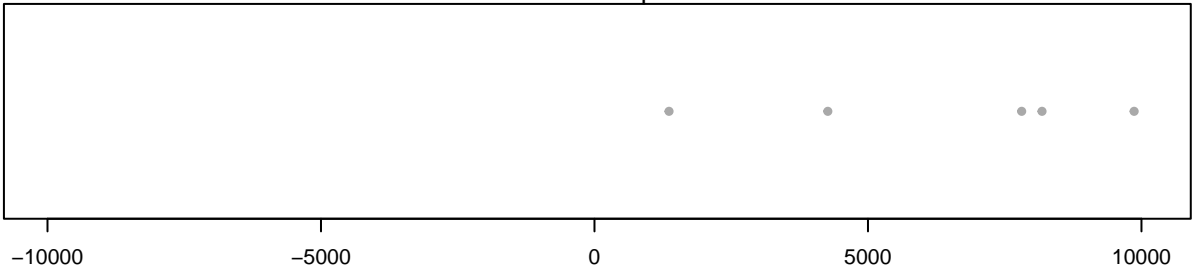


ranked DE score in: x



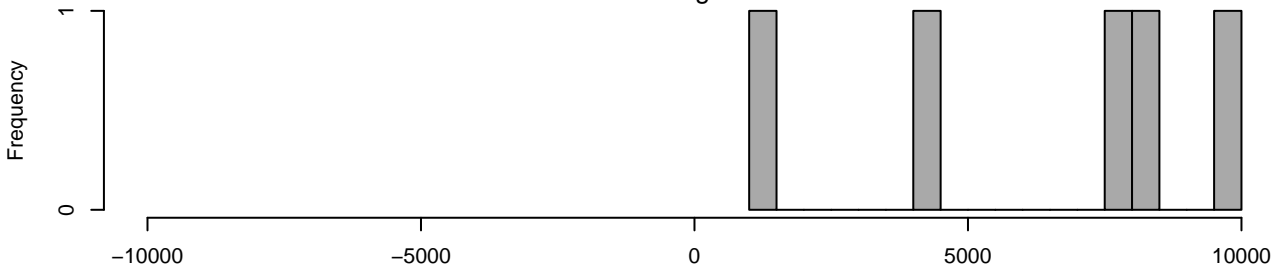
# GSE158144-7-vs-8-human up

beeswarm plot



ranked DE score in: x

histogram



ranked DE score in: x

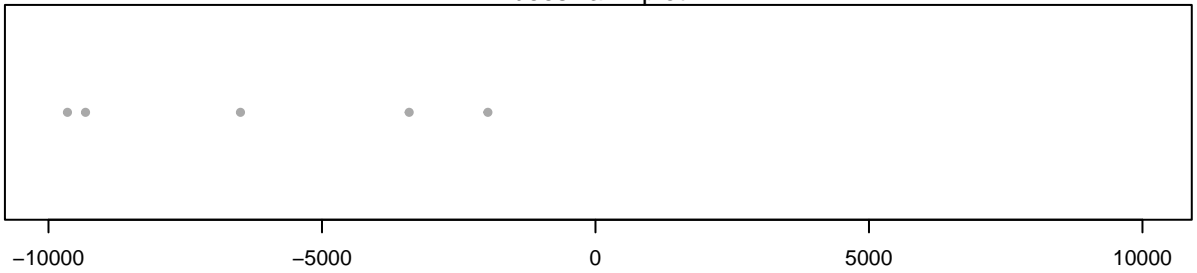
rugplot



ranked DE score in: x

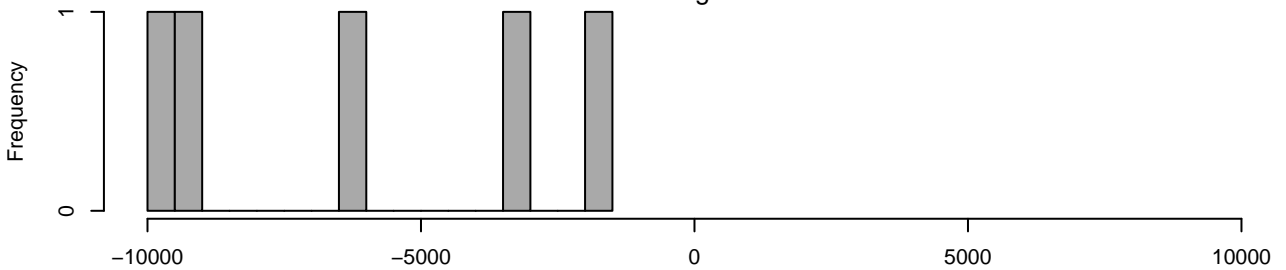
# GSE163354-0-vs-3-human up

beeswarm plot



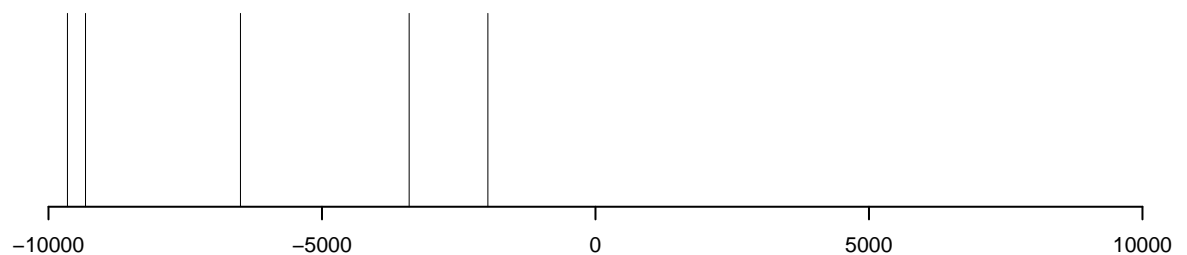
ranked DE score in: x

histogram



ranked DE score in: x

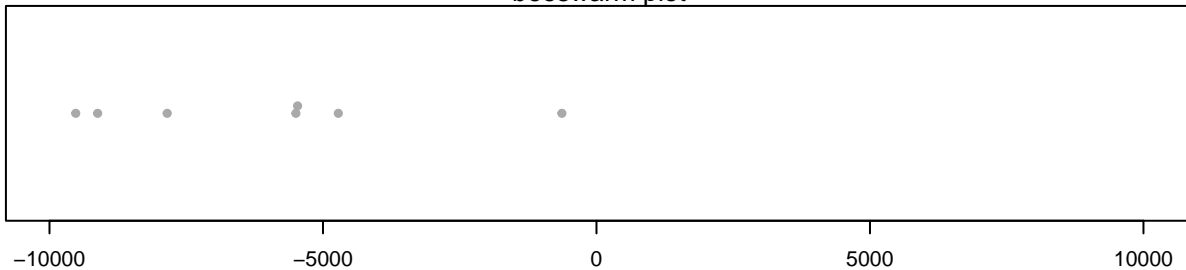
rugplot



ranked DE score in: x

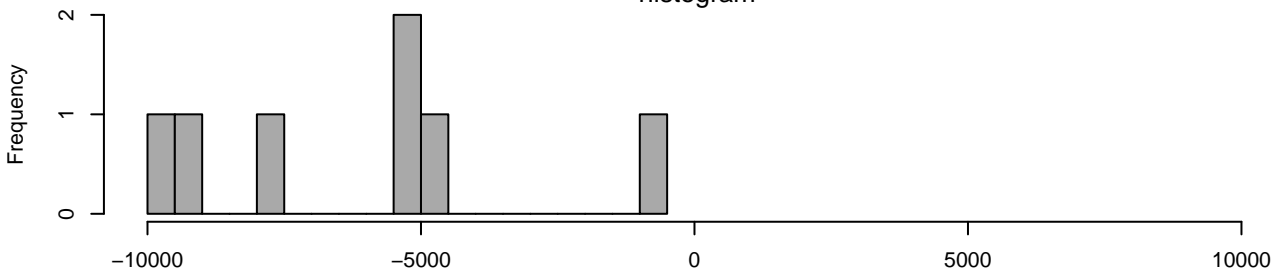
# GSE192931,GSE192932-0-vs-3-human up

beeswarm plot



ranked DE score in: x

histogram



Frequency

ranked DE score in: x

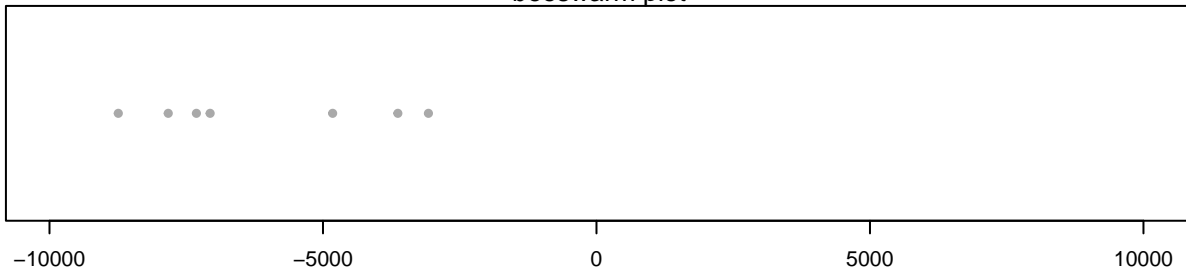
rugplot



ranked DE score in: x

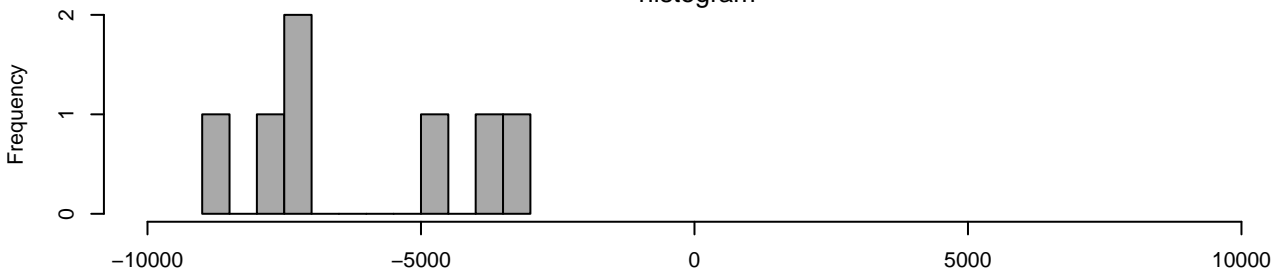
# GSE183850-0-vs-3-human up

beeswarm plot



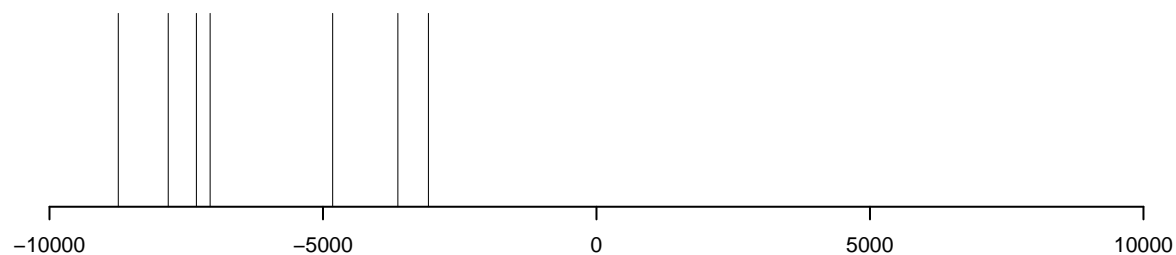
ranked DE score in: x

histogram



ranked DE score in: x

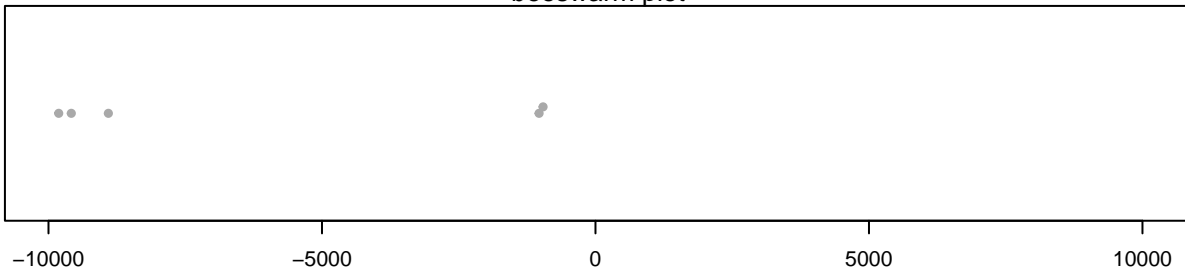
rugplot



ranked DE score in: x

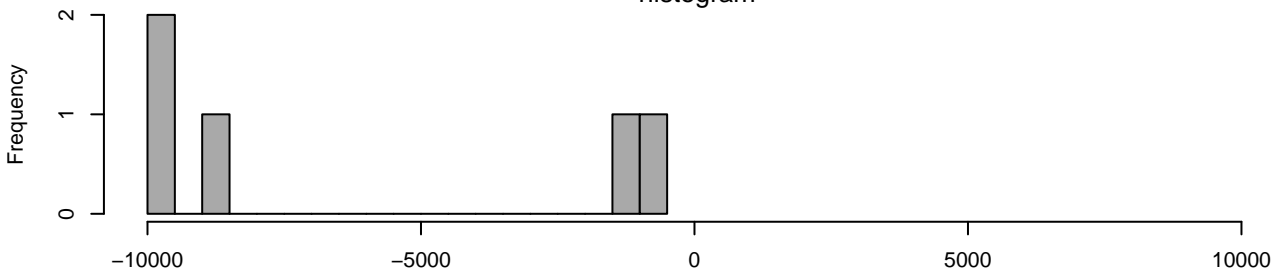
# GSE203367,GSE203372-2-vs-4-human dn

beeswarm plot



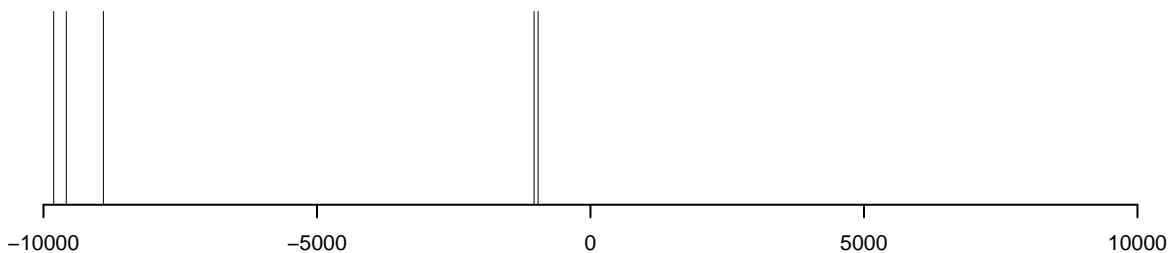
ranked DE score in: x

histogram



ranked DE score in: x

rugplot



ranked DE score in: x