ChIPPeakAnno analysis

Mikhail Dozmorov

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Libraries

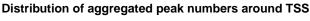
Settings

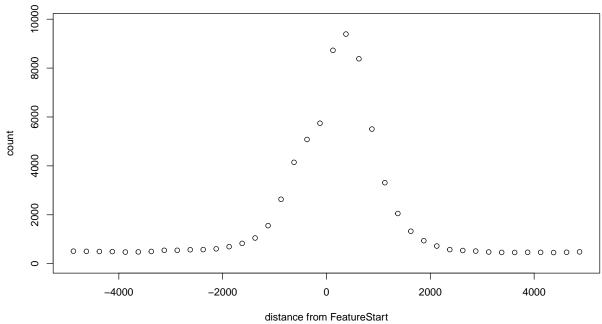
Prepare annotation data

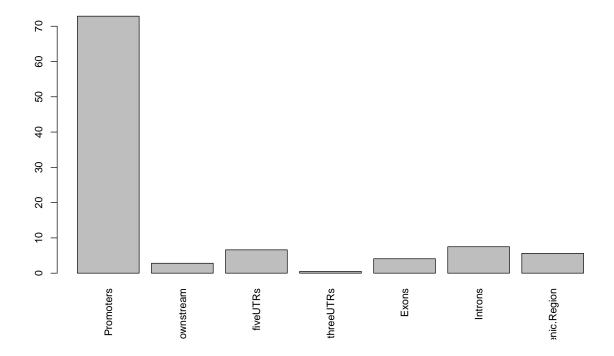
Import data

[1] "Total number of peaks: 14525"

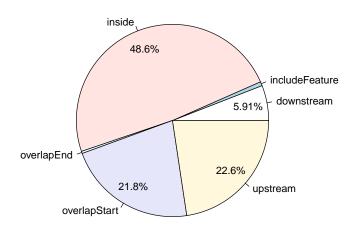
Visualize binding site distribution relative to Transcription Start Sites







Annotate peaks by the nearest gene



Top 15 most frequent genes

	Freq
RNA5-8SN3	10
RNA5-8SN1	10
EMB	10
RNA5-8SN2	8
MIR6724-4	7
SAMD11	5
NEMP1	5
LINC00682	5
KDM6B	5
HAND2-AS1	5
CLPTM1L	5
WDR60	4
TMEM161B-AS1	4
SMAD7	4
SLC25A4	4

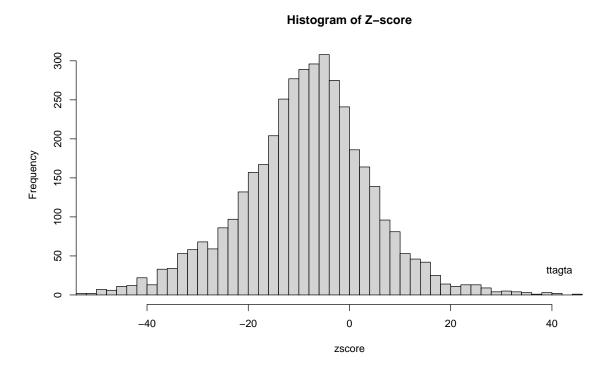
KEGG pathway enrichment analysis

Uploading data to Enrichr... Done.
Querying KEGG_2019_Human... Done.
Parsing results... Done.

A total of $30~\rm KEGG$ pathways were detected as significantly affected at FDR 0.3. Top $15~\rm shown$. If nothing is shown, nothing is significant.

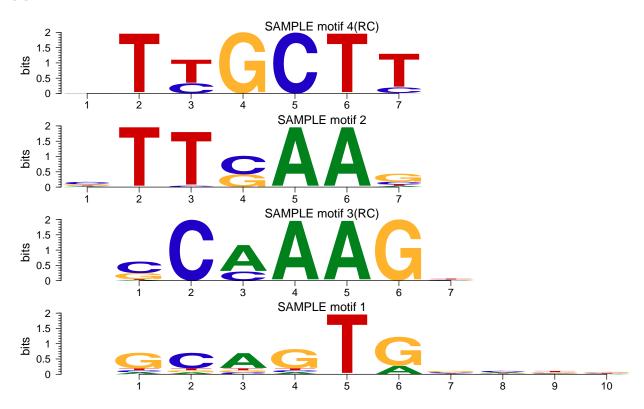
Term	Overlap	P.value	Adjusted.P.value	Old.P.value	Old.Adjusted.P.valu
Spliceosome	99/134	0.0000000	0.0000006	0	
Autophagy	88/128	0.0000030	0.0004690	0	
Proteasome	36/45	0.0000148	0.0015242	0	
RNA degradation	57/79	0.0000178	0.0013732	0	
Protein processing in endoplasmic reticulum	107/165	0.0000181	0.0011149	0	
Endocytosis	151/244	0.0000191	0.0009804	0	
RNA transport	106/165	0.0000358	0.0015737	0	
SNARE interactions in vesicular transport	28/34	0.0000513	0.0019740	0	
Ribosome	95/153	0.0005295	0.0181203	0	
mRNA surveillance pathway	60/91	0.0006302	0.0194108	0	
Thermogenesis	137/231	0.0006727	0.0188347	0	
Phosphatidylinositol signaling system	64/99	0.0009313	0.0239029	0	
Longevity regulating pathway	65/102	0.0014808	0.0350834	0	
Neurotrophin signaling pathway	74/119	0.0019571	0.0430562	0	
Hedgehog signaling pathway	33/47	0.0022195	0.0455744	0	

Output a summary of consensus sequences in the peaks



Visualizing up to top 5 motifs, if any

[1] "Total number of motifs: 4"



Save the results