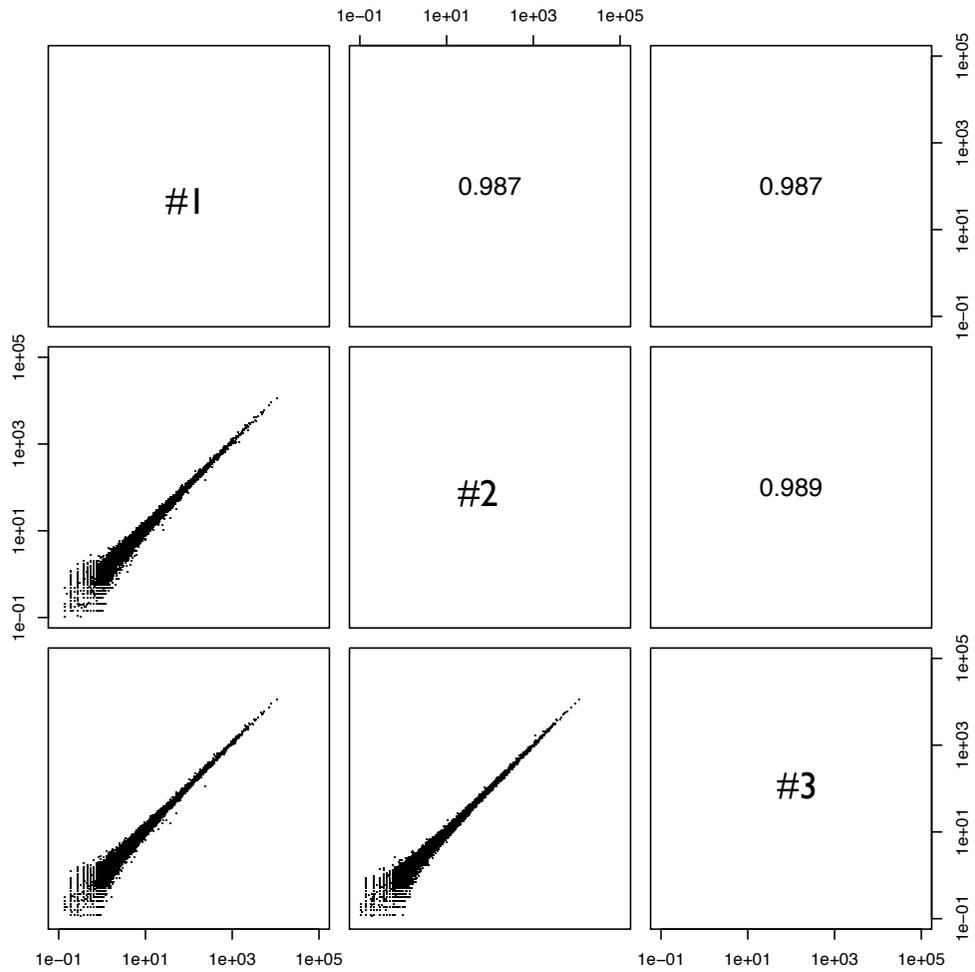
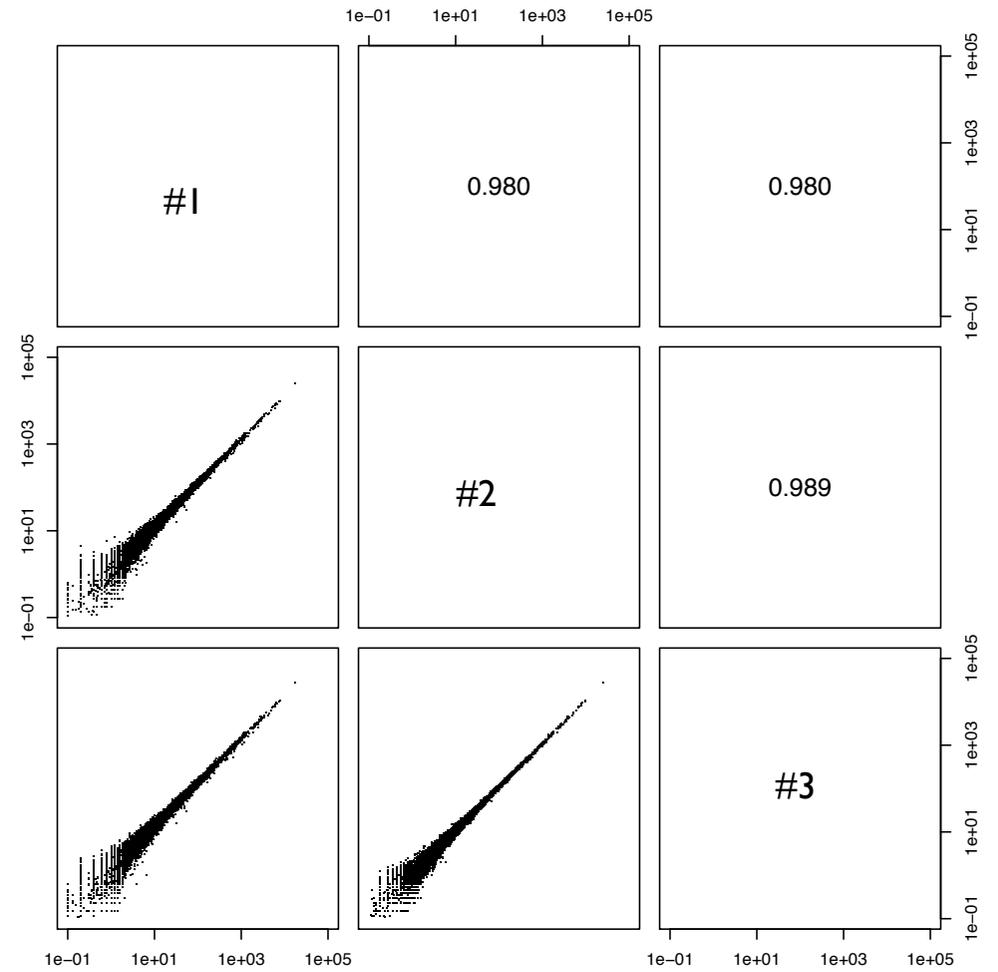


# Supplementary figure 1

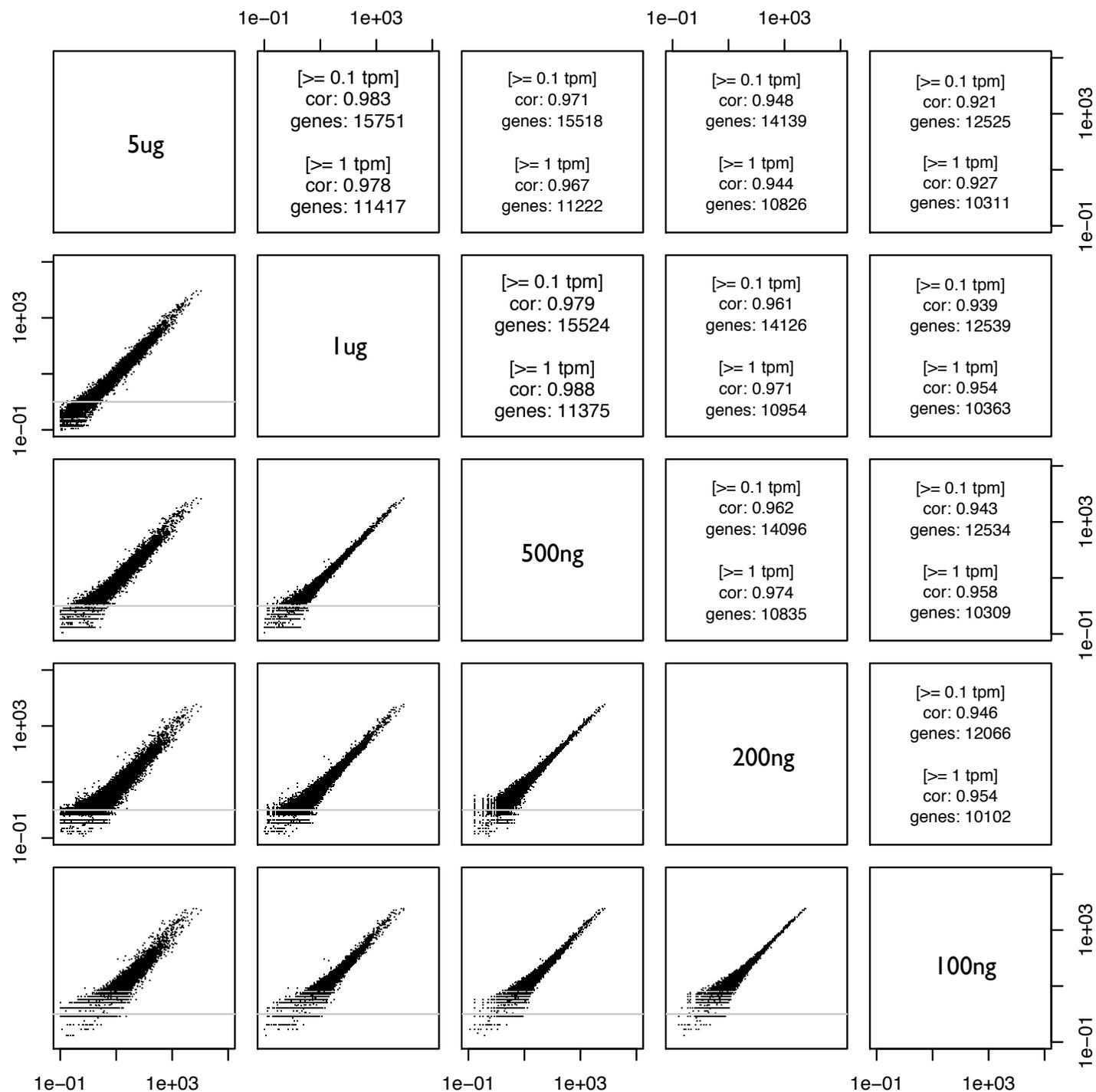


**THP-1**

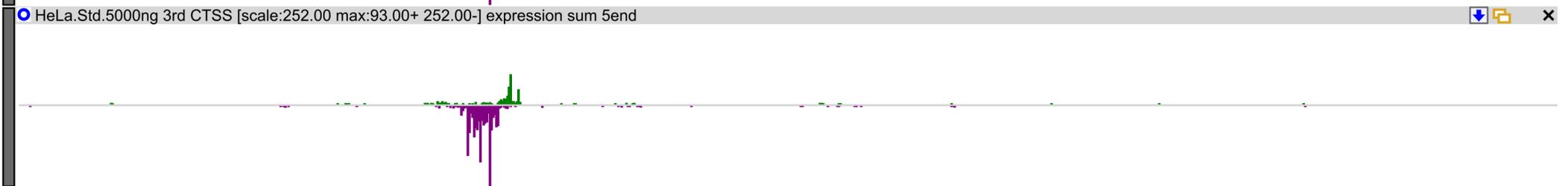
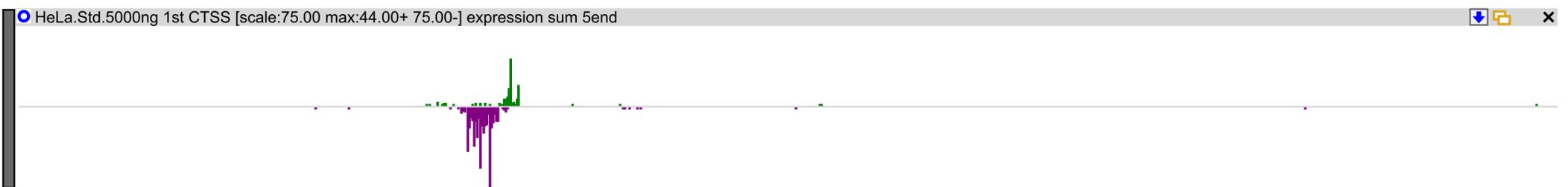
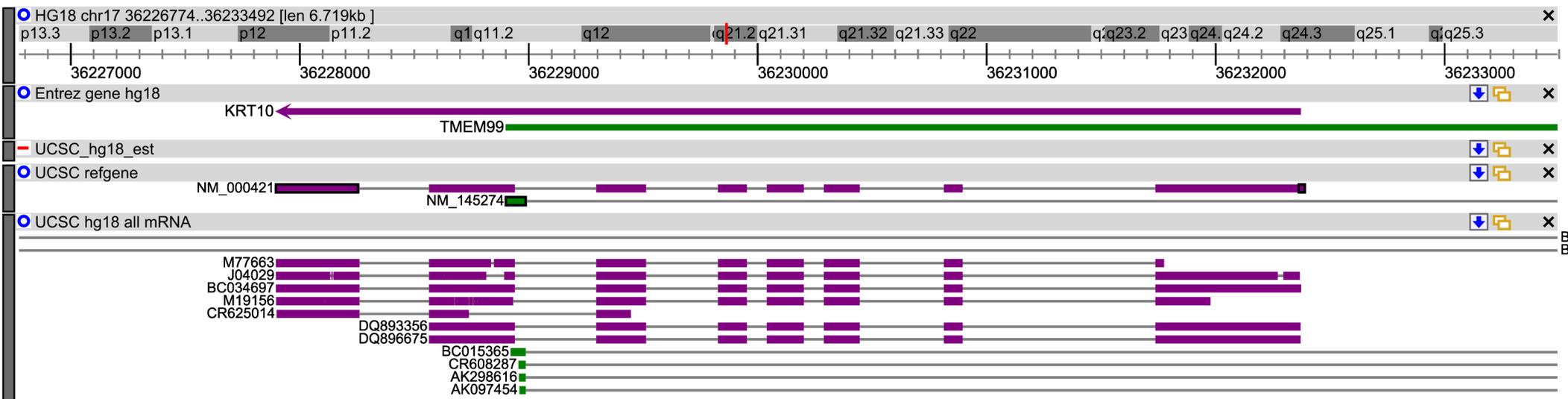


**HeLa**

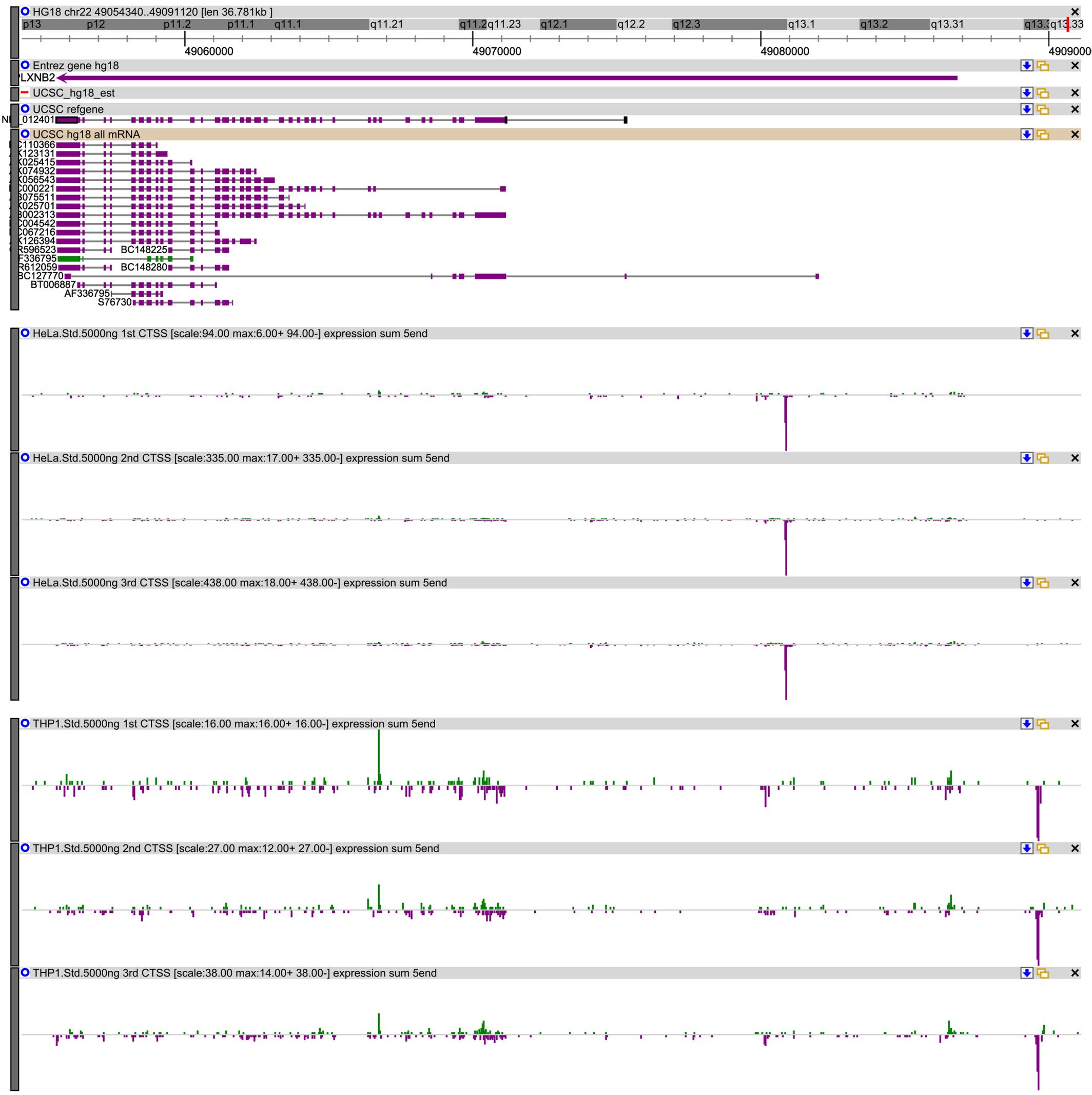
# Supplementary figure 2



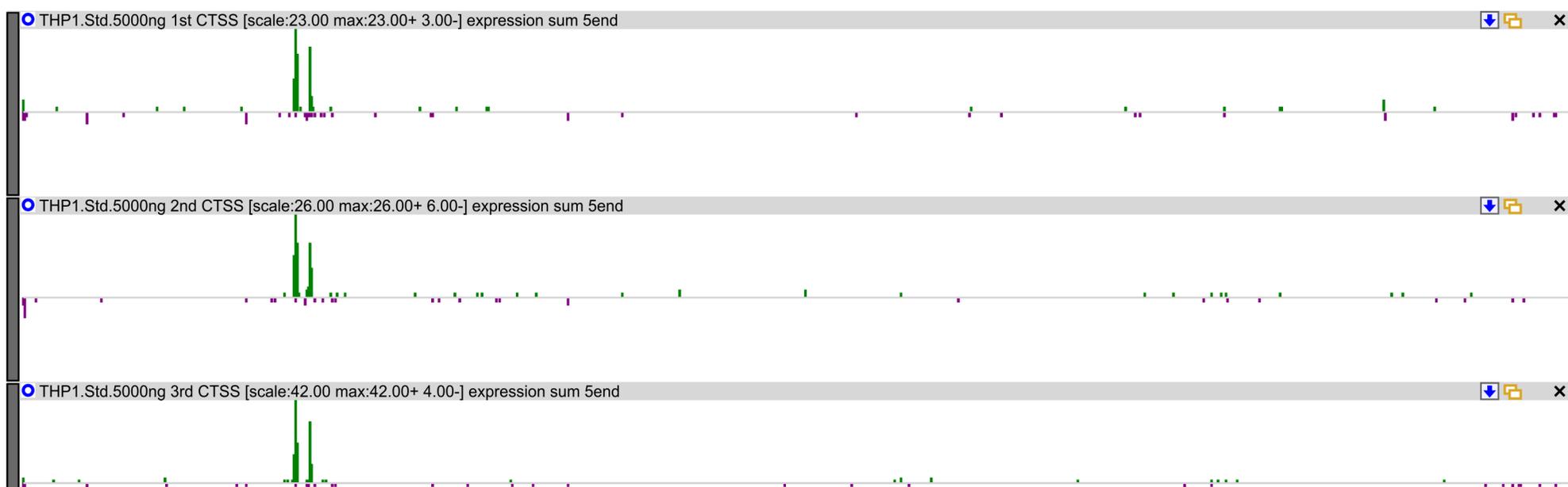
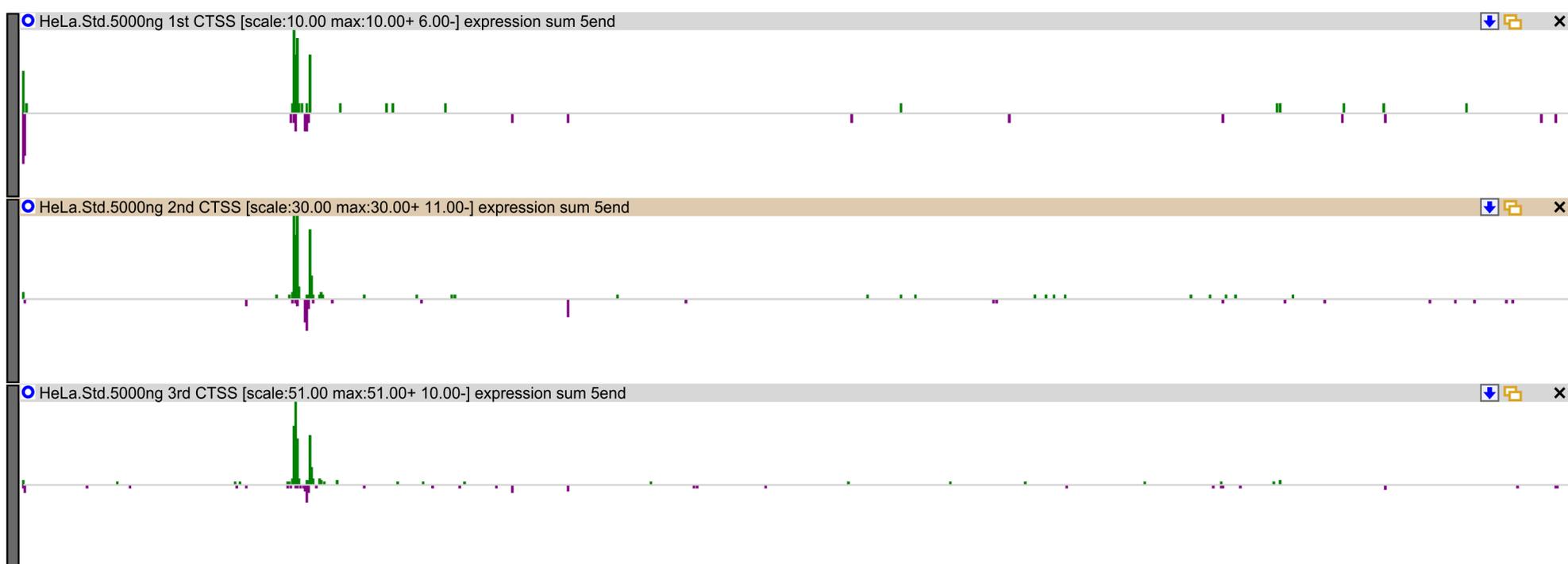
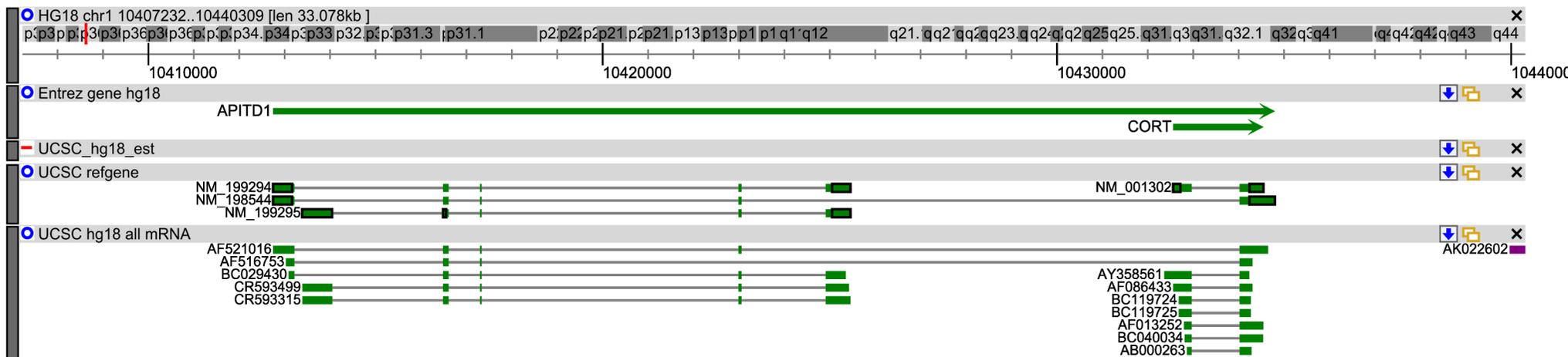
# Supplementary figure 3a



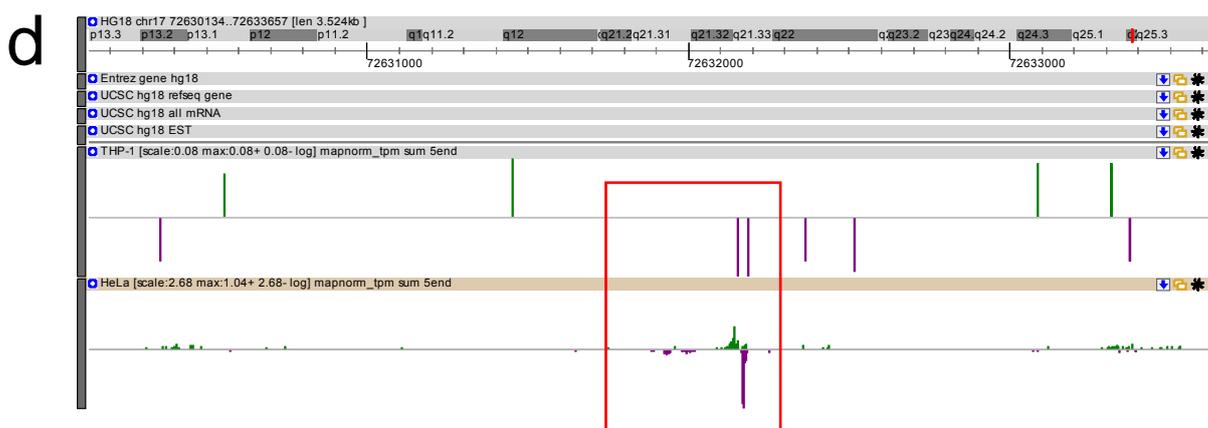
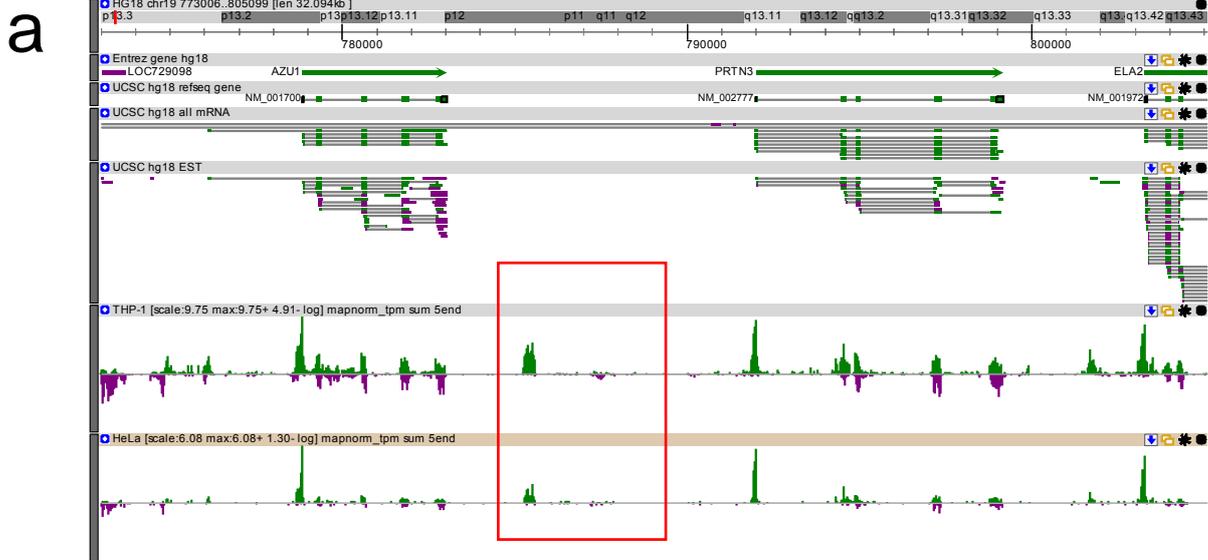
# Supplementary figure 3b



# Supplementary figure 3c

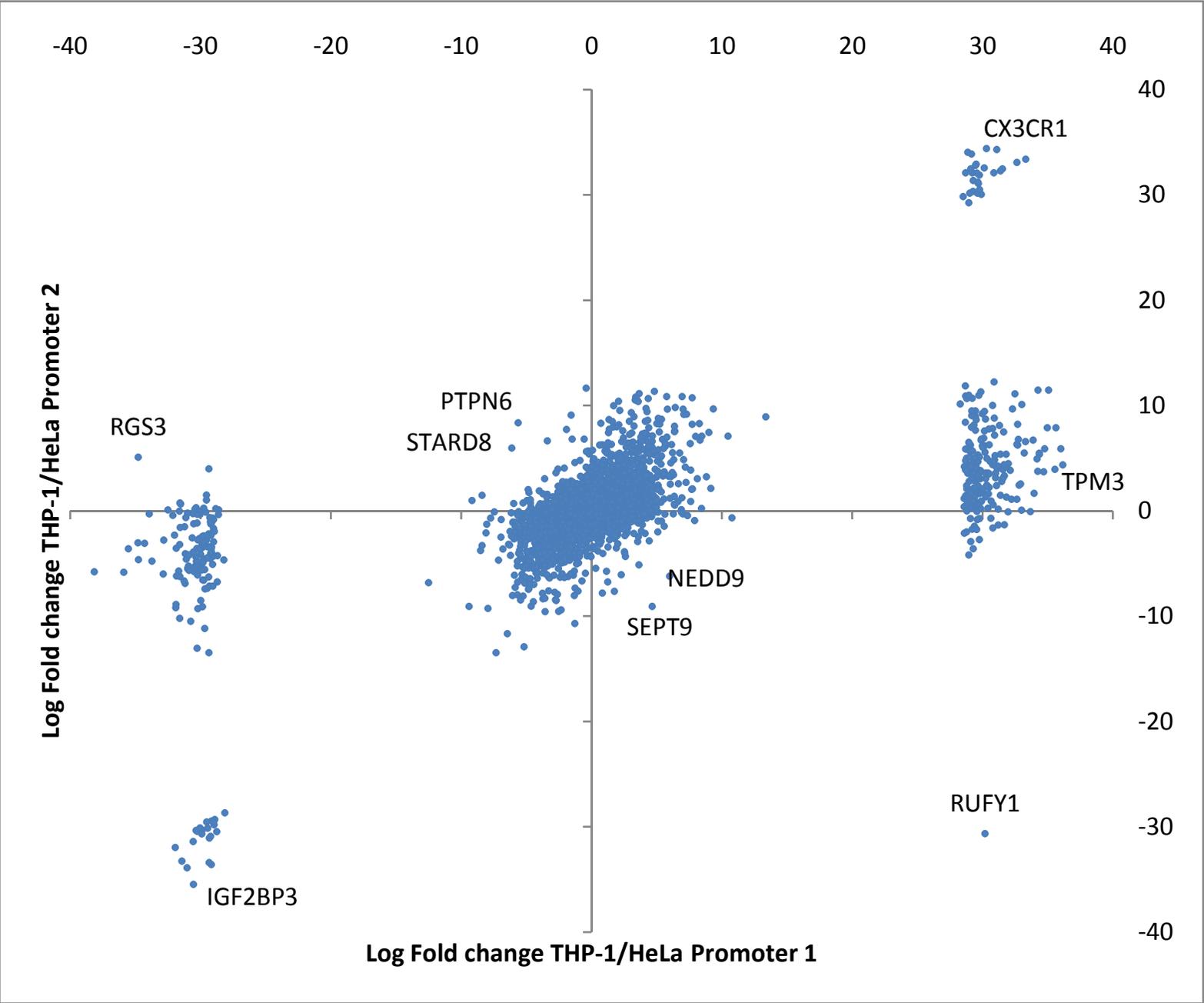


# Supp fig 4 - examples of novel differentially expressed regions

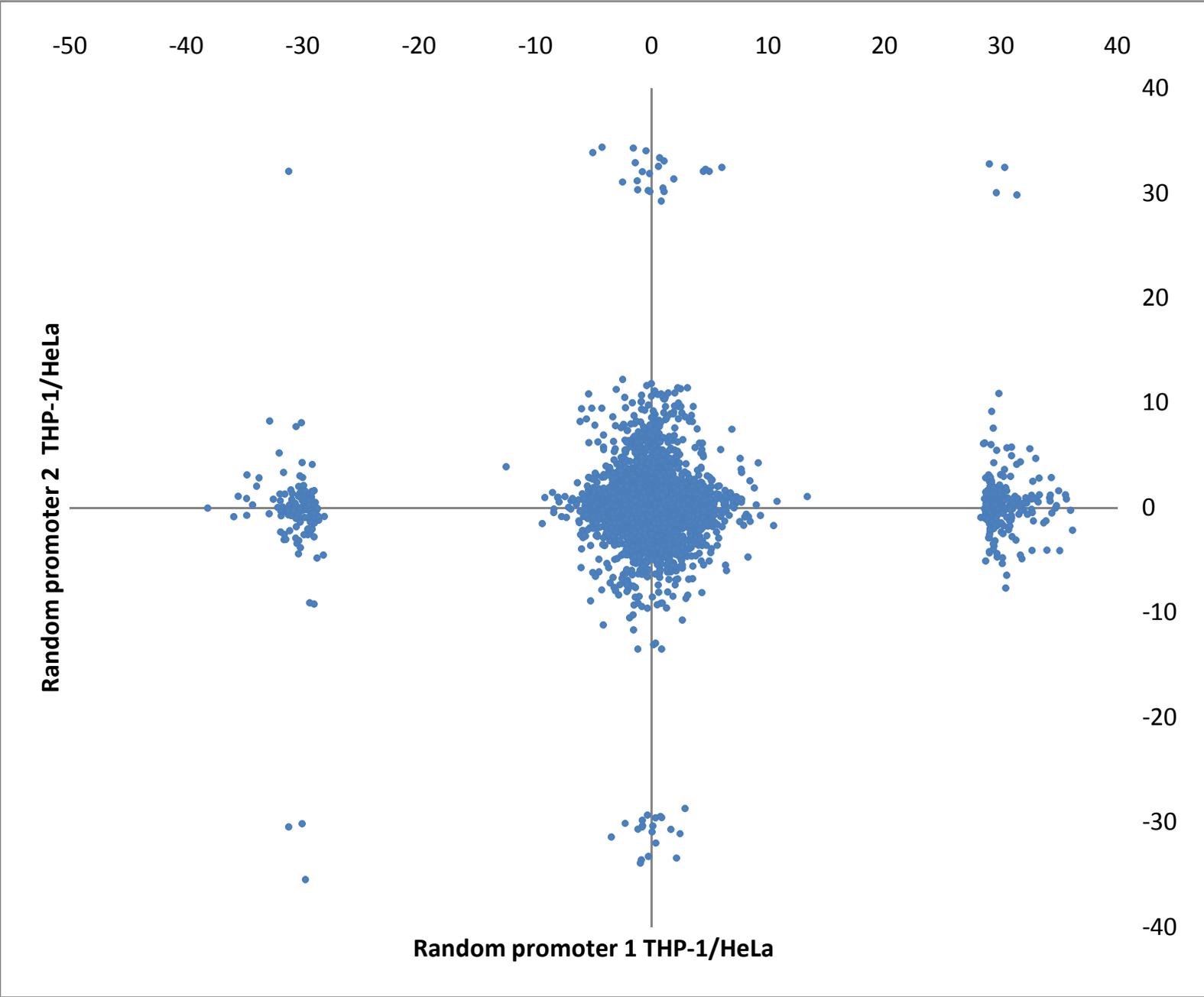




# Supp fig 6a - correlation of top TC pairs from the same locus

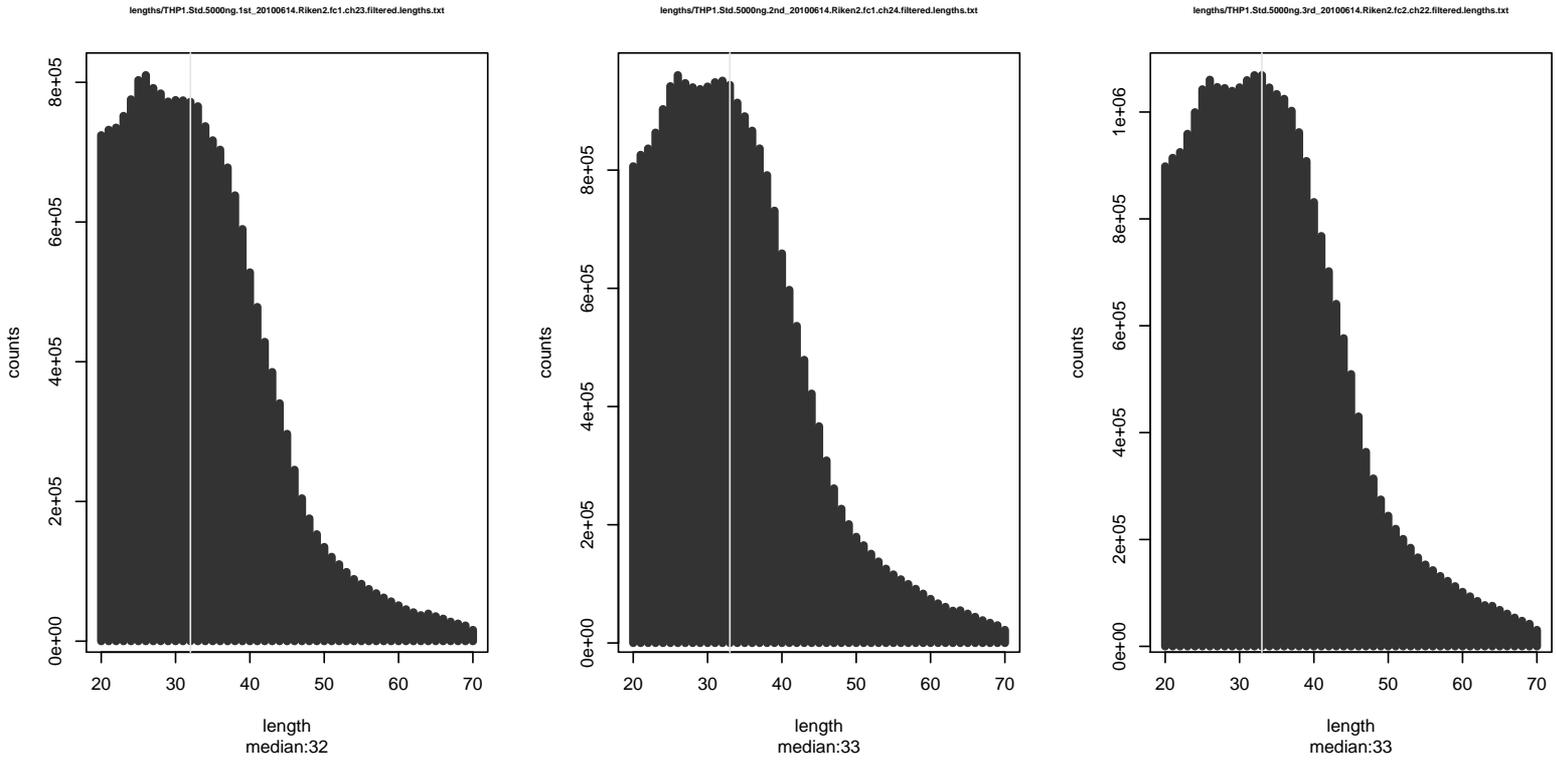


# Supp fig 6b - correlation of top TC pairs from random locations

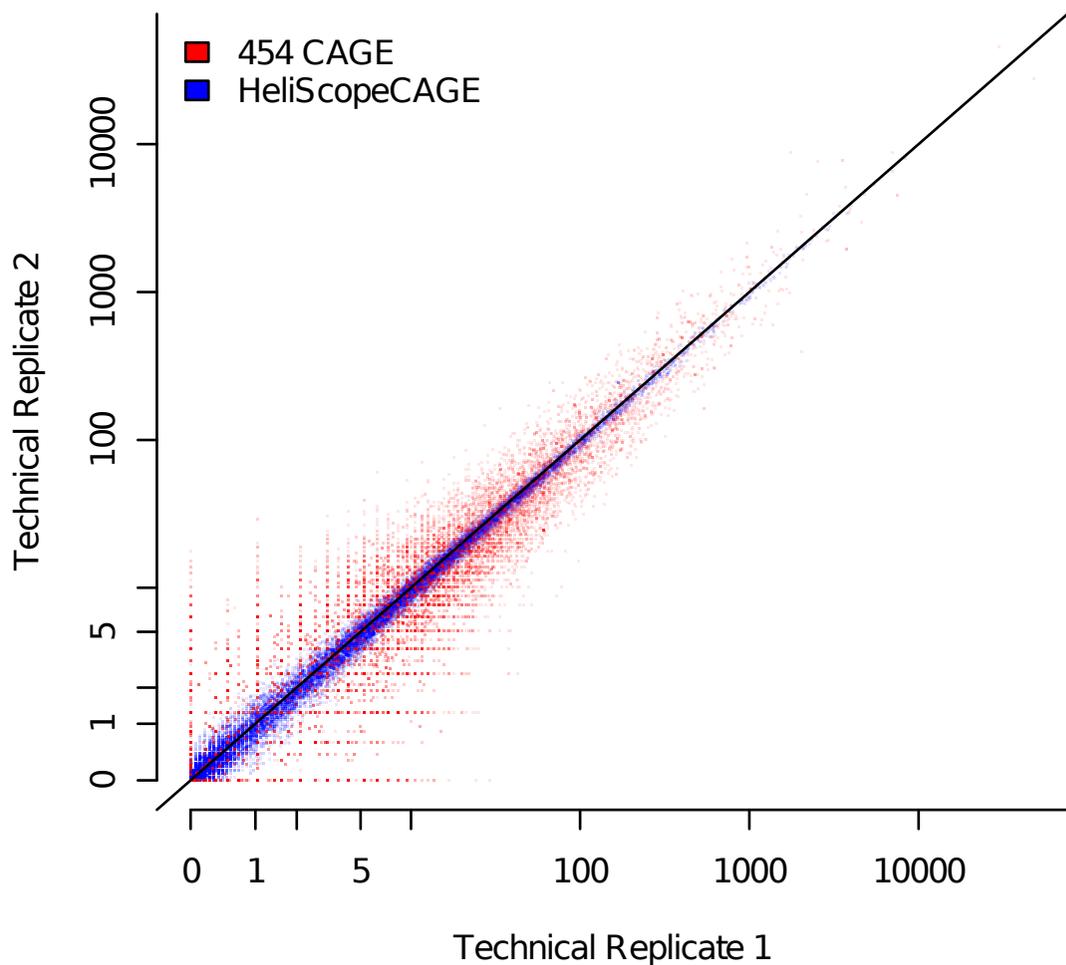


Random promoter pairs are not co-regulated pearson = 0.041

# Supp fig 7: Length distribution of mapped CAGE tags on the Heliscope platform

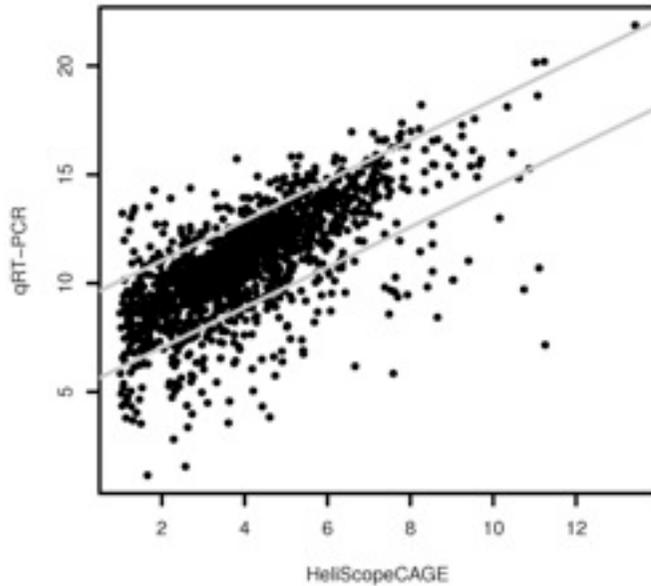


Supp fig 8a: Scatterplot of gene expression for technical replicates using 454CAGE(red) or HeliScopeCAGE(blue)

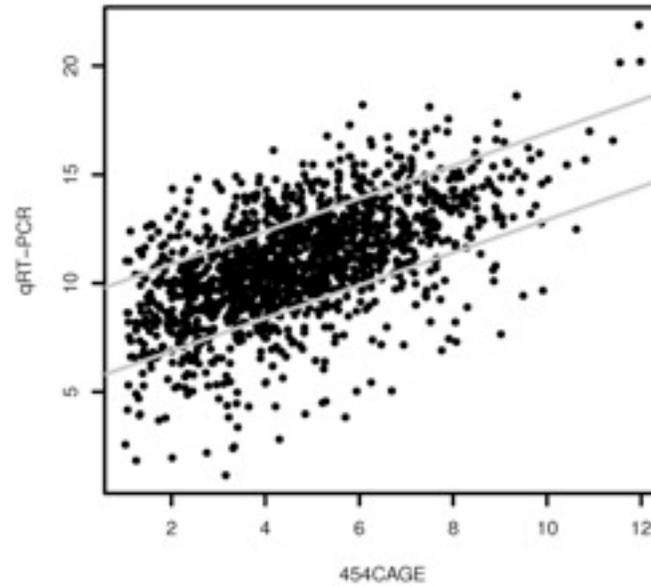


Supp fig 8b - correlation of CAGE and illumina microarray with qRT-PCR fro ~2000 transcription factors (FANTOM4 dataset)

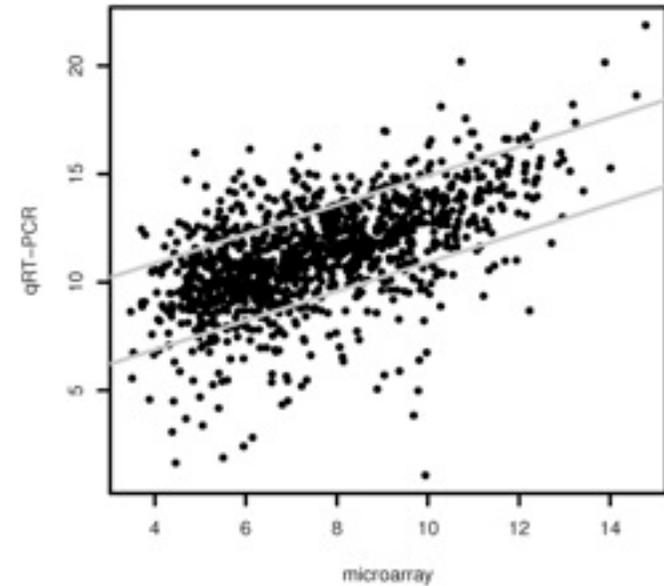
Pearson's correlation: 0.68



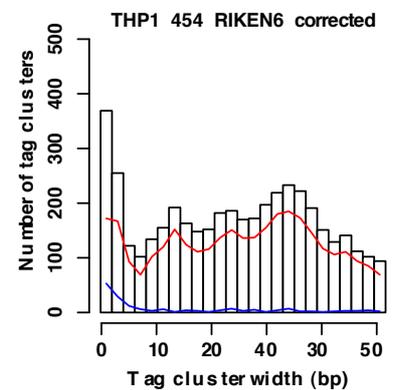
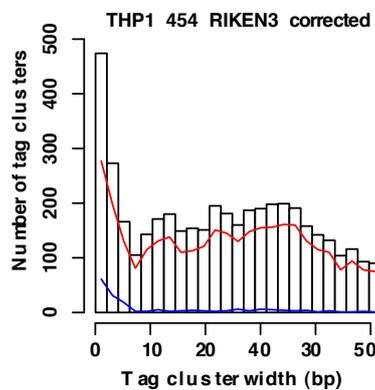
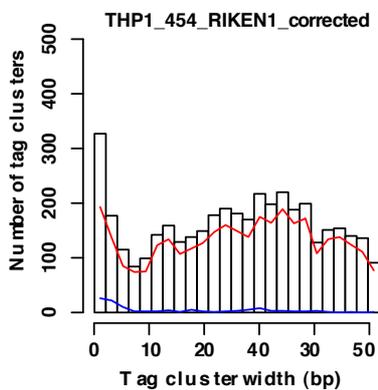
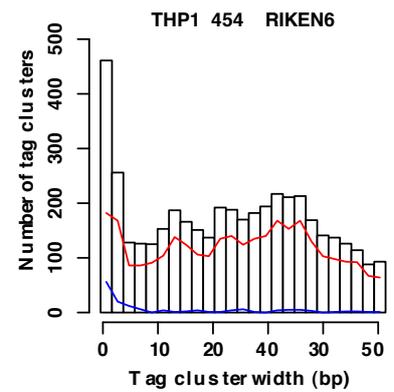
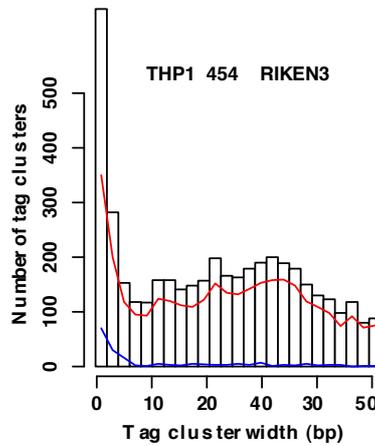
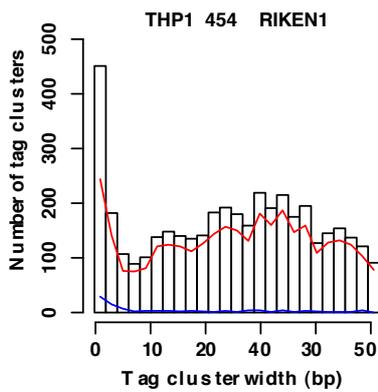
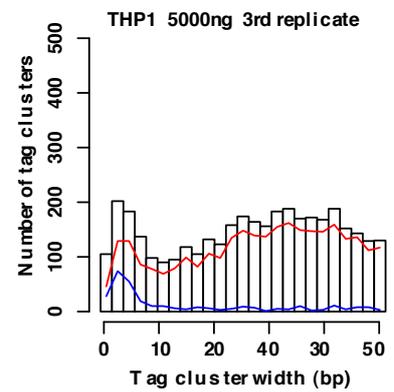
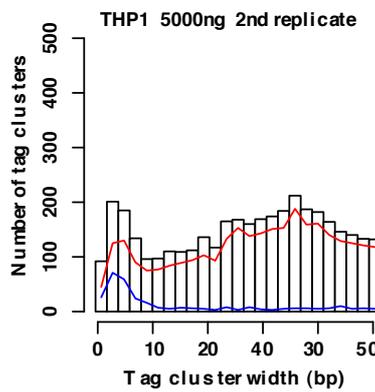
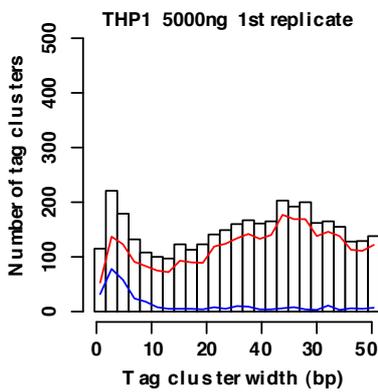
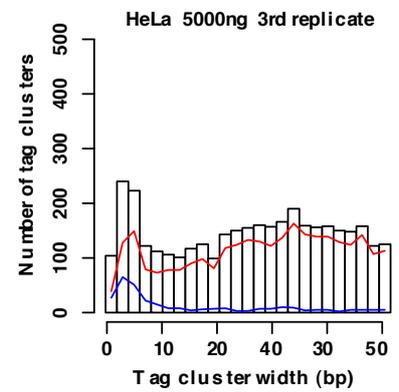
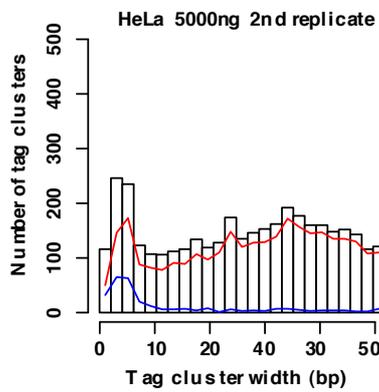
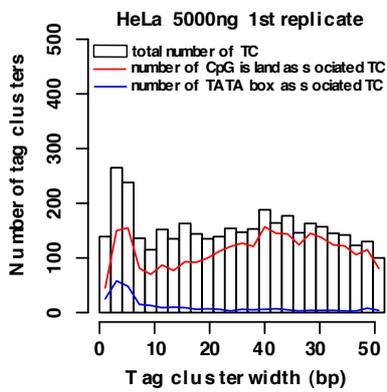
Pearson's correlation: 0.57



Pearson's correlation: 0.58



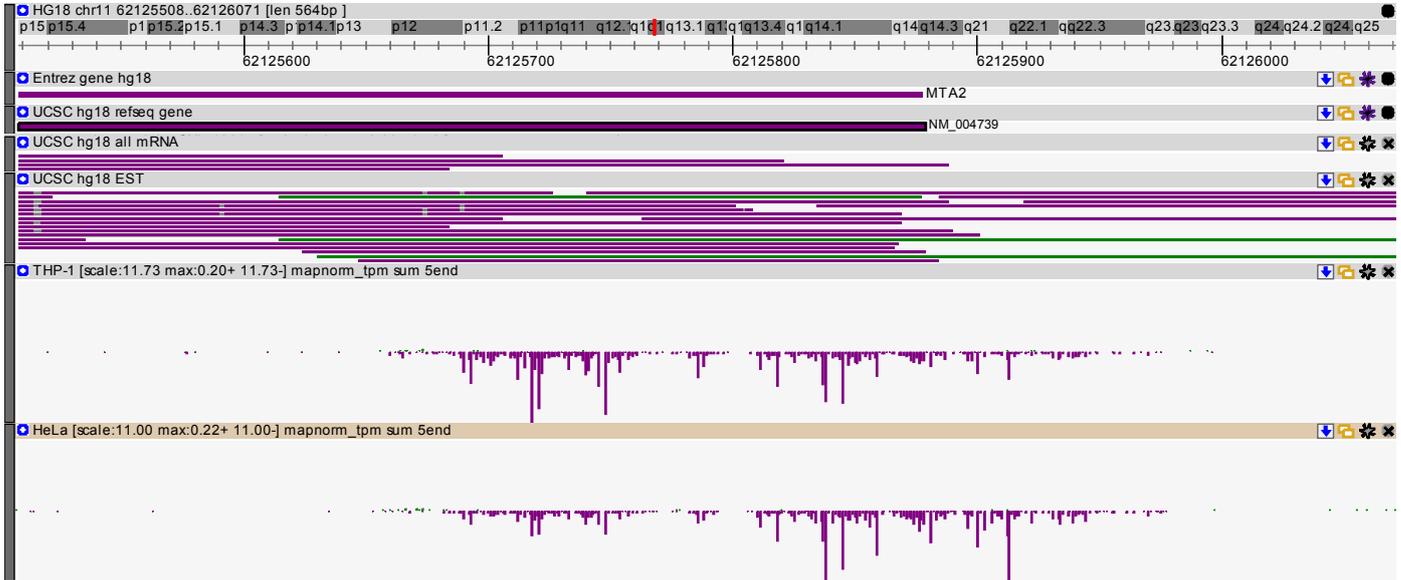
# Supplementary Fig9



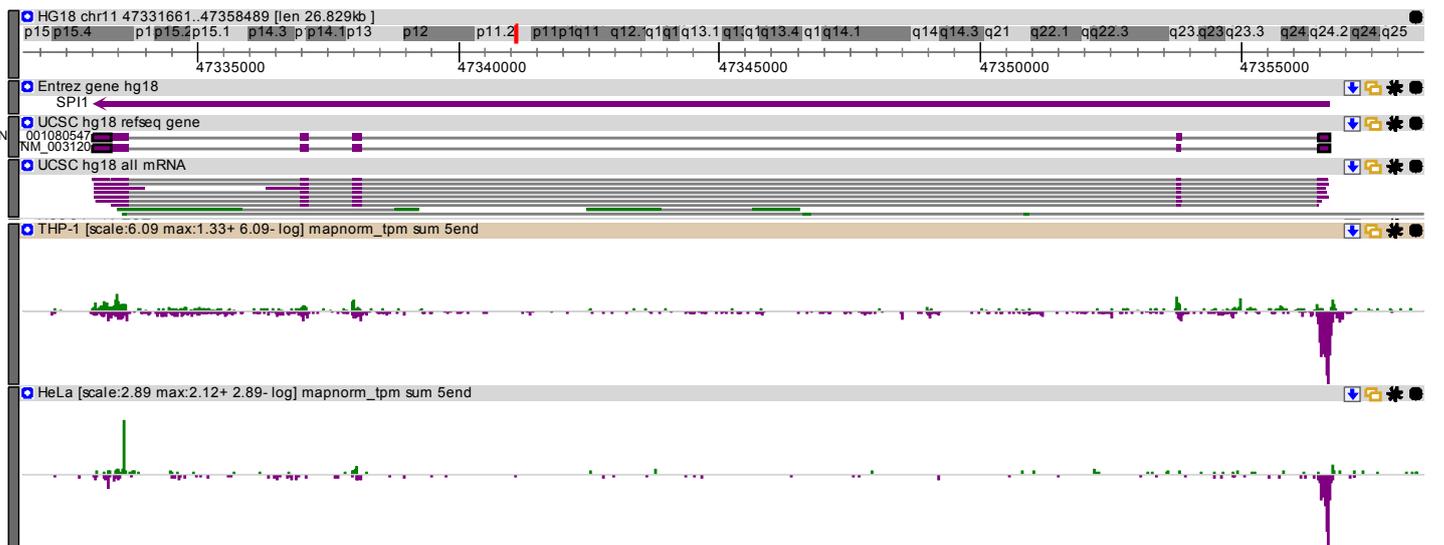
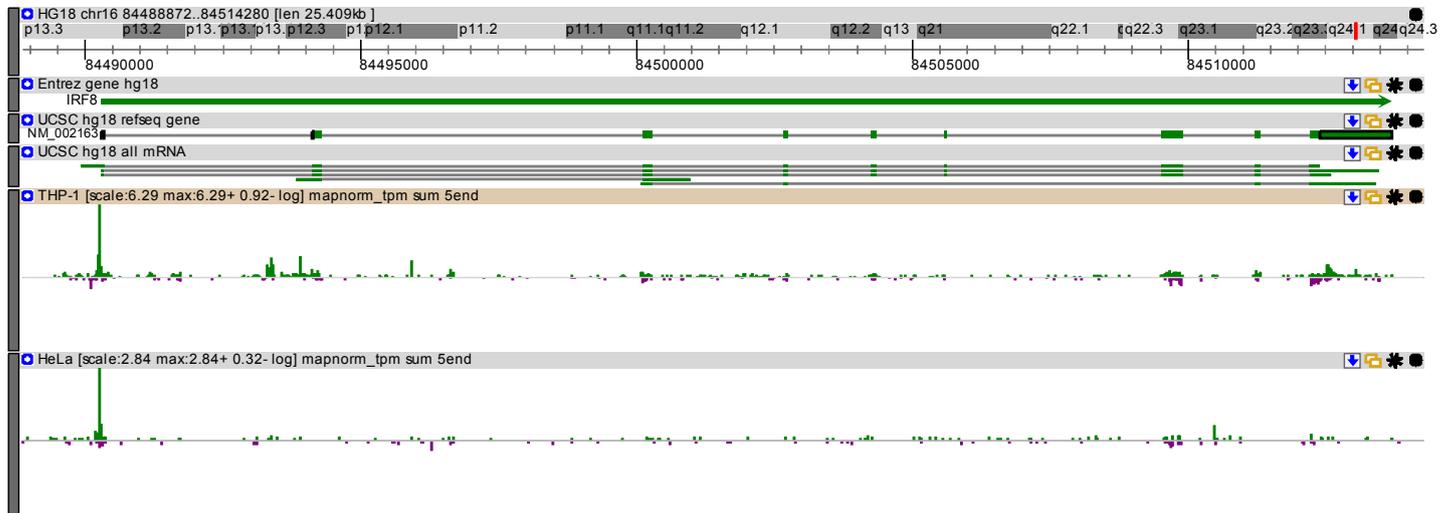
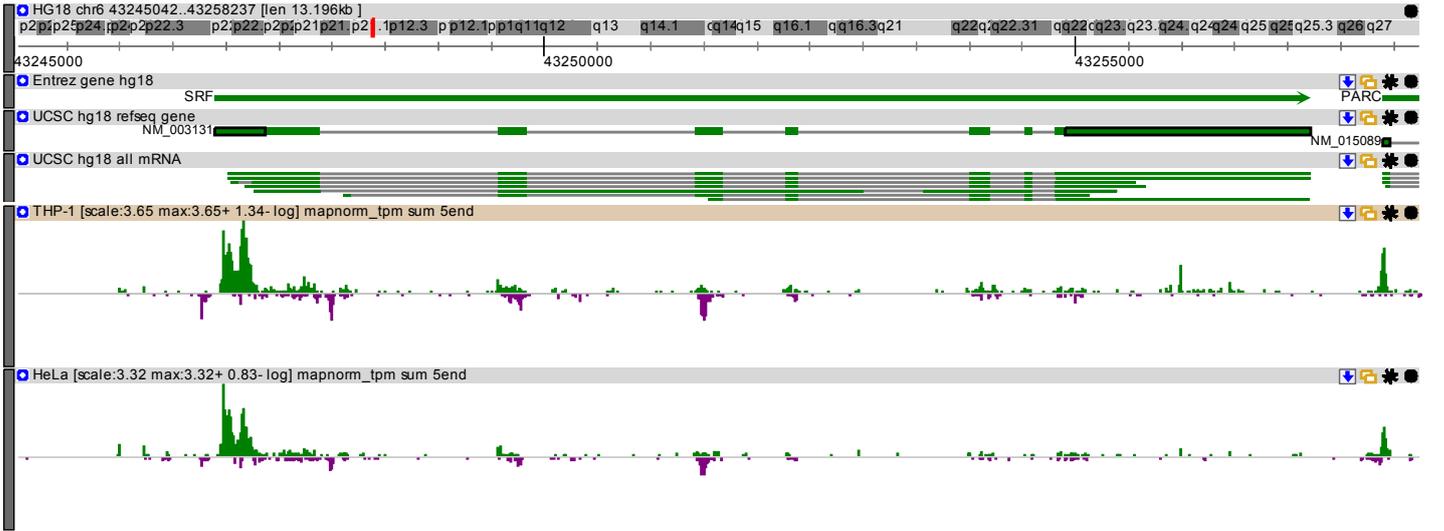
# Supplementary fig 10: B4GALT1 fine level differences



# Supplementary fig 11: MTA2 fine level differences

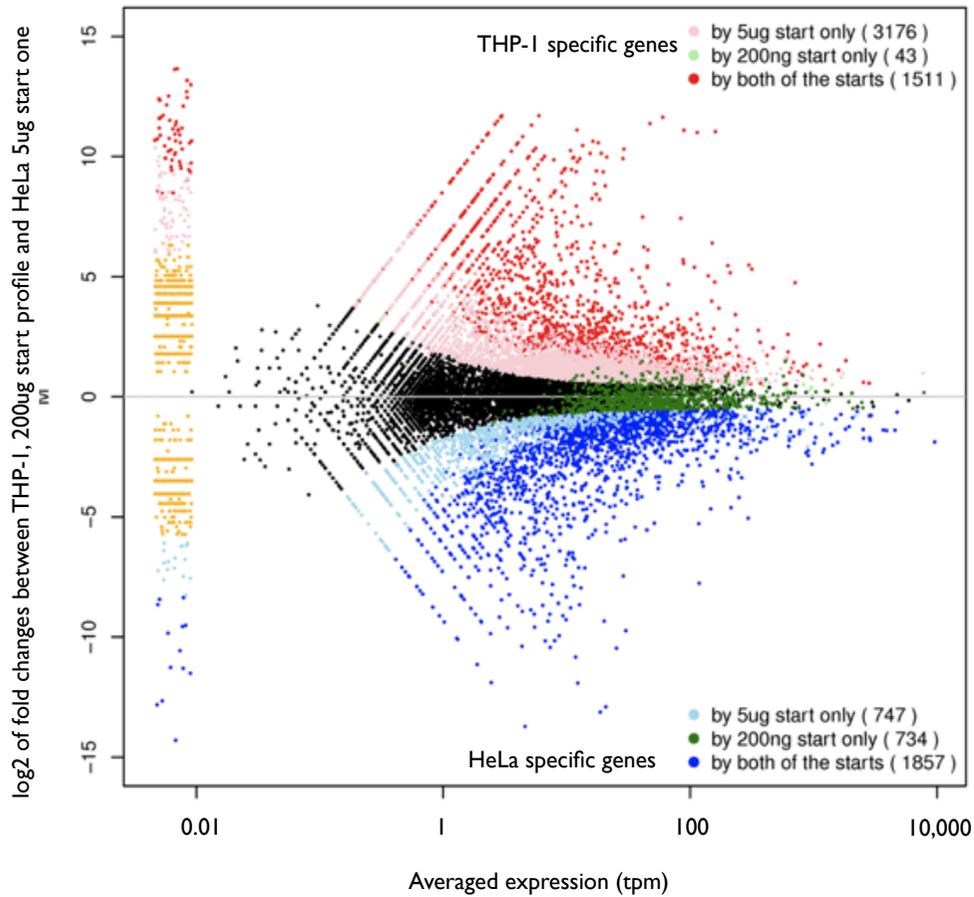


# Supp Fig 12 - sense/antisense exon painting examples



# Supplementary figure 13

## a) 5ug HeLa vs 5ug THP-1



## b) 5ug HeLa vs 200ng THP-1

