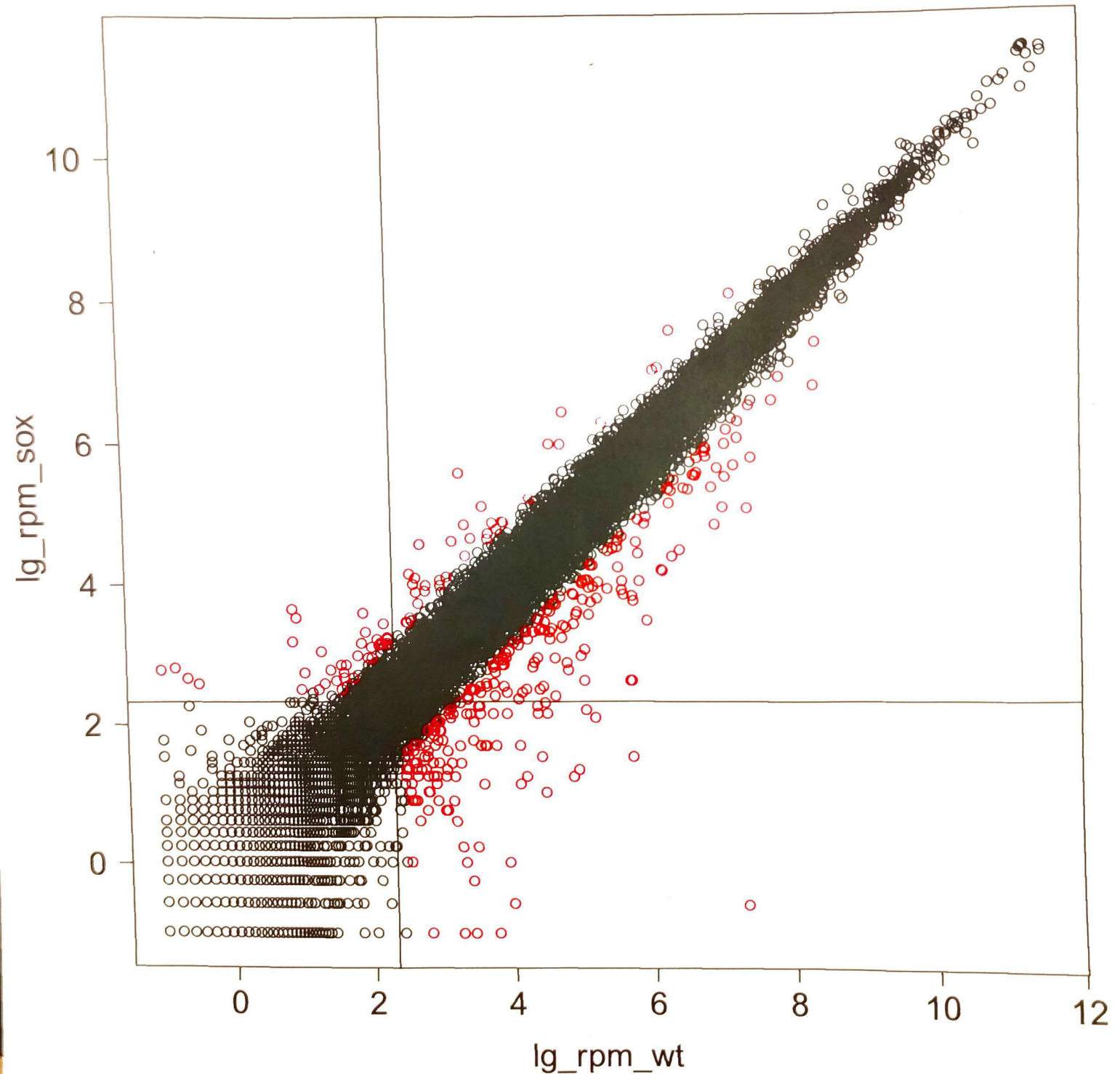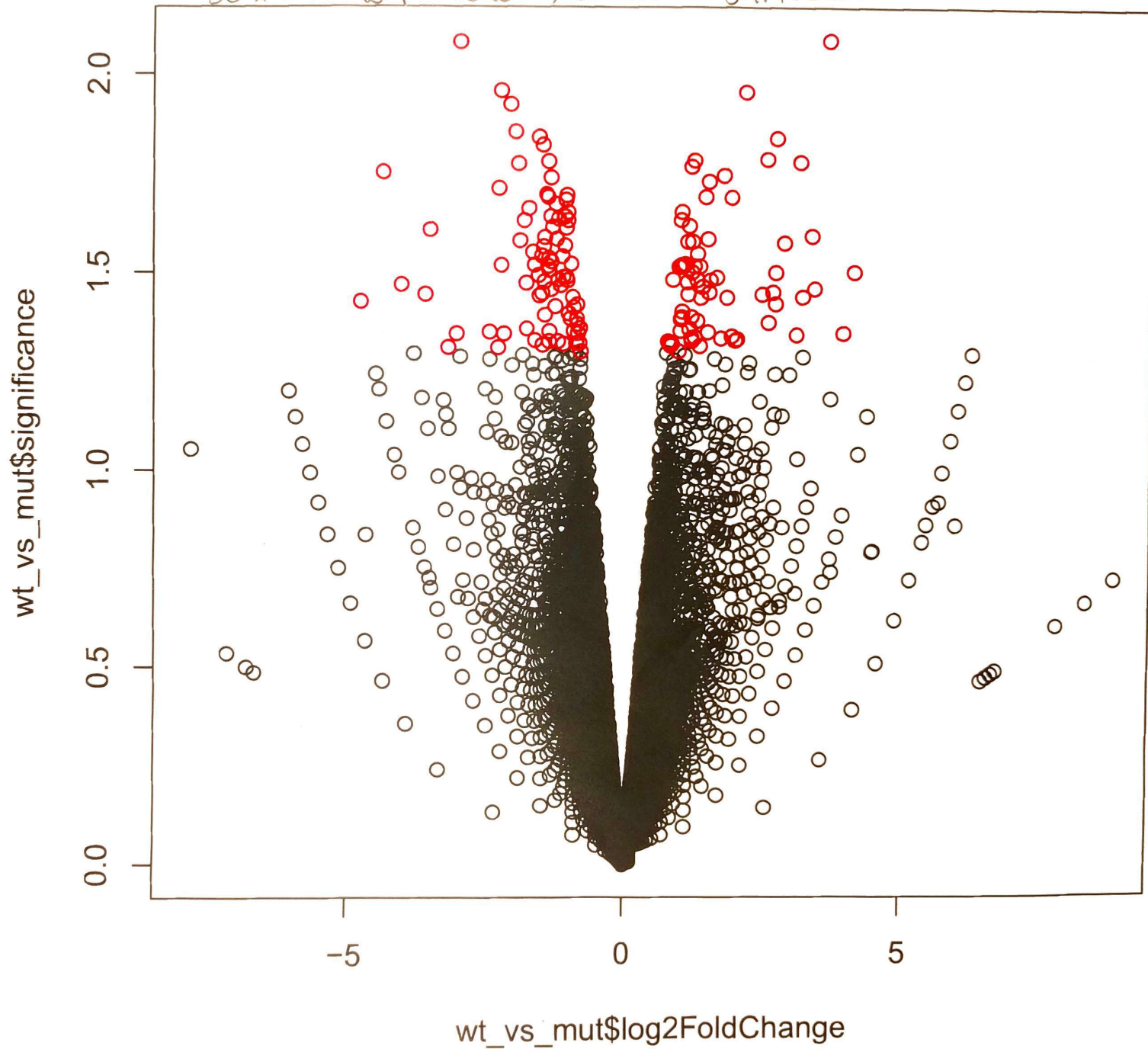# Differential Gene Expression Analysis

Danio Renio (Zebrafish) $\log_2$ RPM (SoxB1 WT) vs. $\log_2$ RPM (Sox B1 mutated)

Differential Gene Expression Analysis

Danio Rerio (Zebrafish) SoxB1 WT and Mutant log₂FoldChange vs.
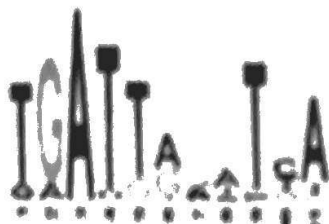SoxB1 WT and Mutant Significance

Motifs

Danio Renio MXTX2 Gene's Associated Genes Sequence Motif

The significant motifs (E-value ≤ ?) found by the programs MEME, DREME and Centrimo clustered by similarity and ordered by ?
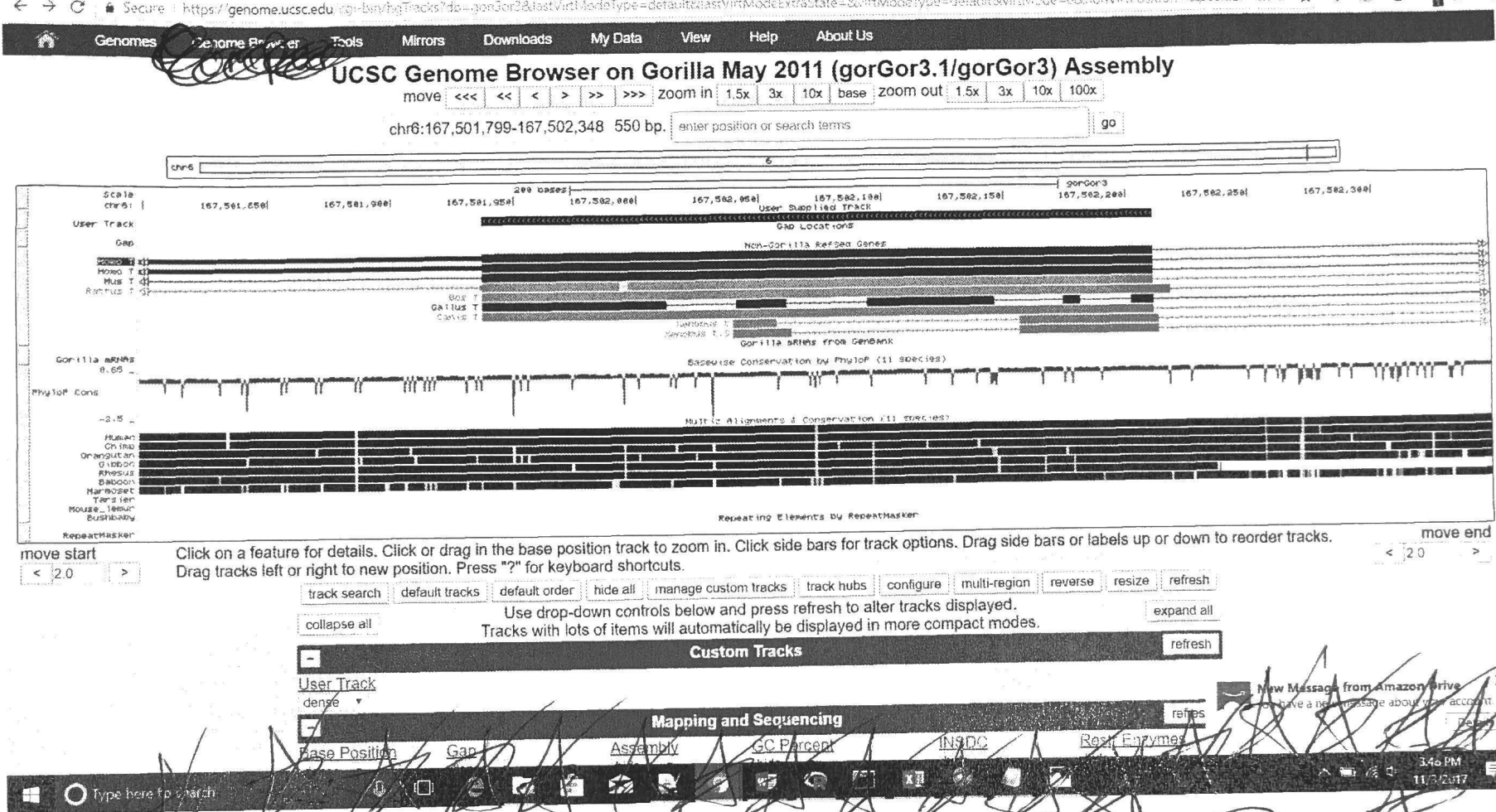
Expand All Clusters   Collapse All Clusters

	Motif Found	Discovery/Enrichment Program	E-value	Known or Similar Motifs	Distribution	SpaMo & FIMO
		MEME	8.7e-289	CUX1_28D; CUX1_MA0460.1; PHOX2B_28D	Not Centrally Enriched	• Motif Spacing Analysis • Motif Sites in G
		MEME	5.3e-067	FoxO3 (MA0849.1.1); PBX1 (MA0070.1.1)	Not Centrally Enriched	
		MEME	2.3e-032	PBX1 (MA0070.1.1); Lef1_secondary (UP00067_2); PKY1? secondary (UP00043_2)	Not Centrally Enriched	
		DREME	8.1e-017	PBX1 (MA0070.1); CUX1 (MA0460.1); Lef1 secondary (UP00067_2)	Not Centrally Enriched	

Reverse Complement ⇆   Show Less ↥

UCSC Genome Browser on Gorilla May 2011 (gorGor3.1/gorGor3) Assembly

move <<< << < > >> >>> zoom in 1.5x 3x 10x base zoom out 1.5x 3x 10x 100x

chr6:167,501,799-167,502,348 550 bp. [enter position or search terms] go

Comparative Genomics Analysis of Humans and Gorilla's using LiftOver