

# 1 ANXA1

Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. GO - Biological process: alpha-beta T cell differentiation, cell surface receptor signaling pathway, cellular response to glucocorticoid stimulus, inflammatory response, among others.

Seems to be upregulated at 23 h of Marburg virus infection in human. Seems to be downregulated in the control for bat, but upregulated in Ebola infection in bat. In bat there is a very high expression level of this gene. In the Marburg infected bat the gene pattern seems to change over time in comparison with Ebola and control.

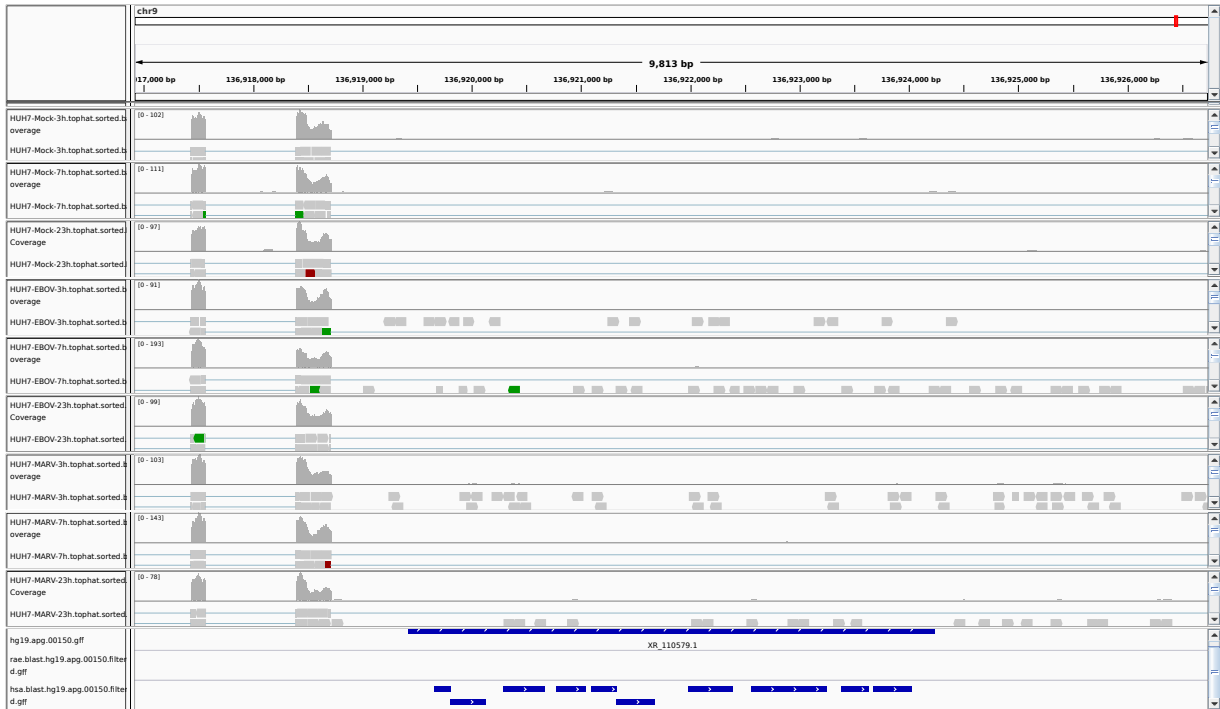


Figure 1: IGV Genome Browser screenshot of gene ANXA1.

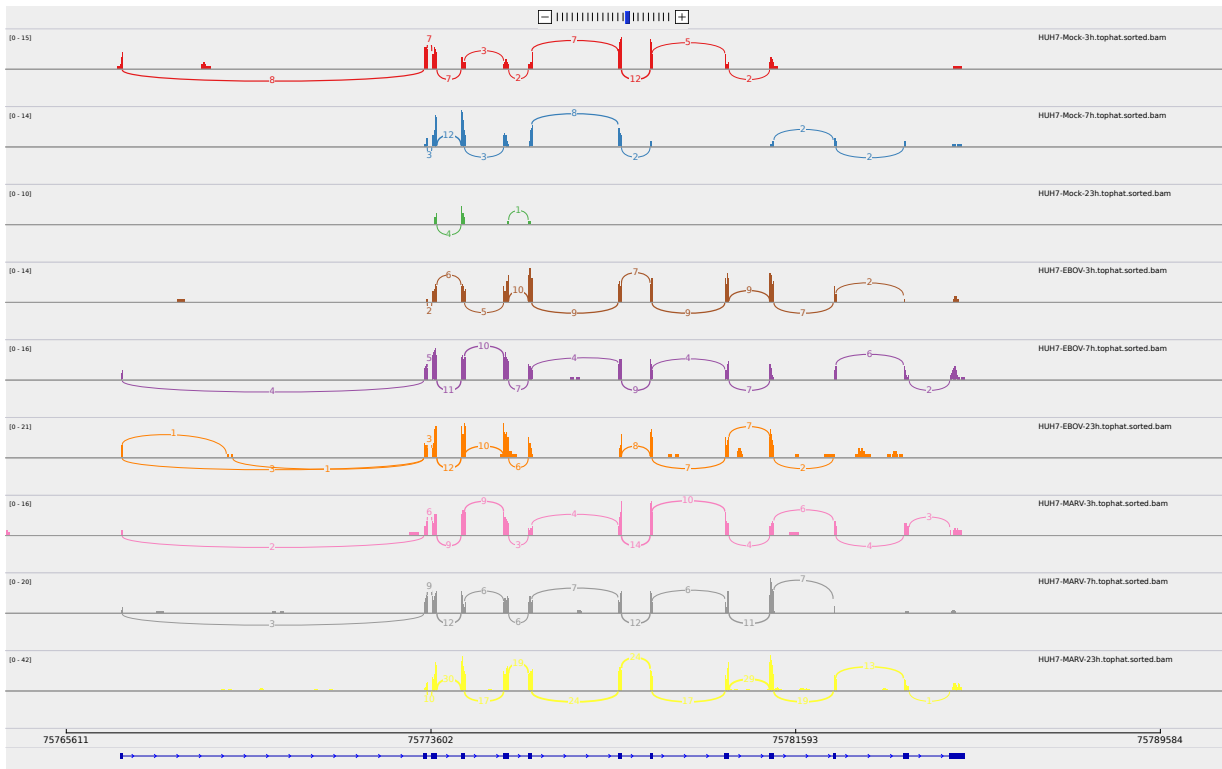


Figure 2: Sashimi plot of gene ANXA1.

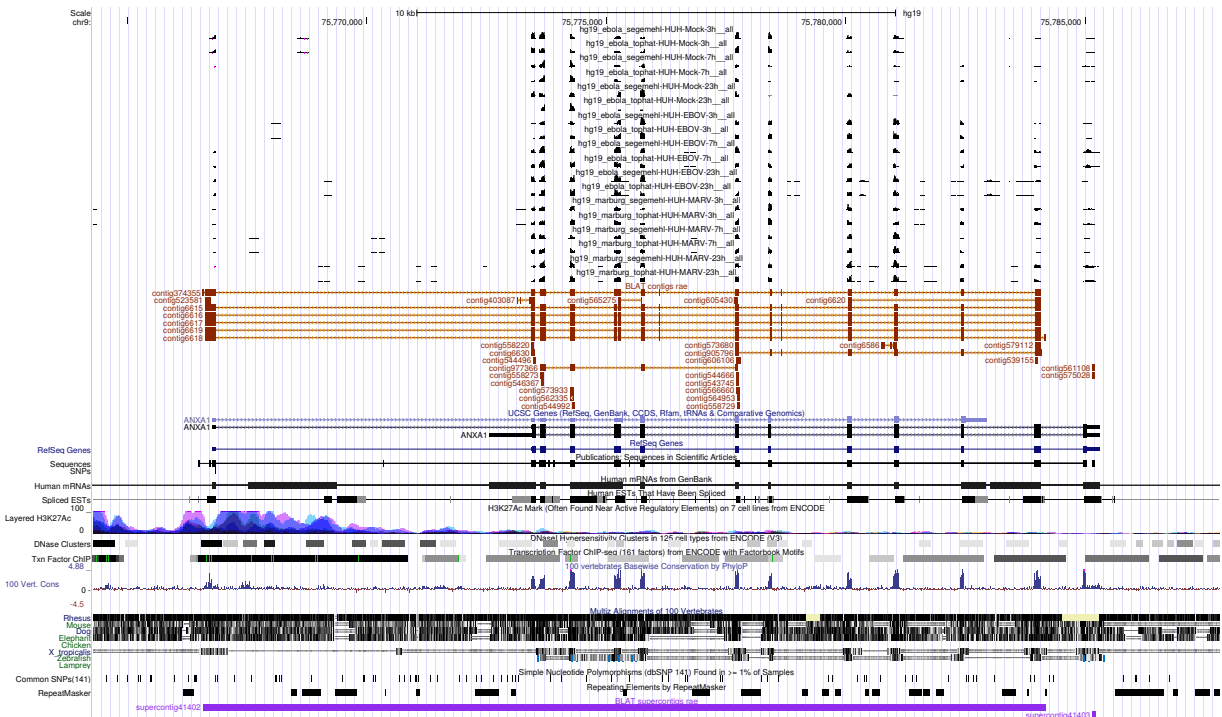


Figure 3: UCSC Genome Browser screenshot of gene ANXA1.

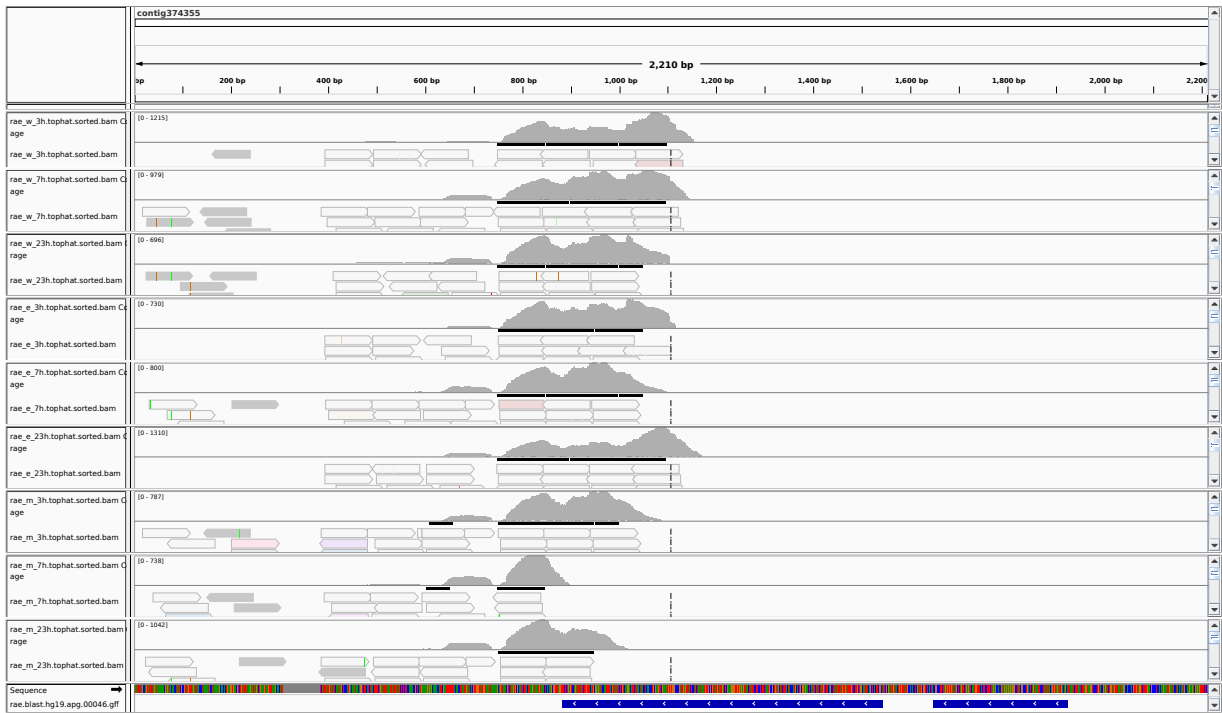


Figure 4: IGV Genome Browser screenshot of gene ANXA1, gene pattern expression of contig 374355 changing in bat with Marbug infection.