

1 MAPKAPK5

The protein encoded by this gene is a tumor suppressor and member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites.

The gene is slightly upregulated in human Ebola infected cells after 7 h. Homolog in bat is expressed relatively stably.



Figure 1: IGV Genome Browser screenshot of gene MAPKAPK5.

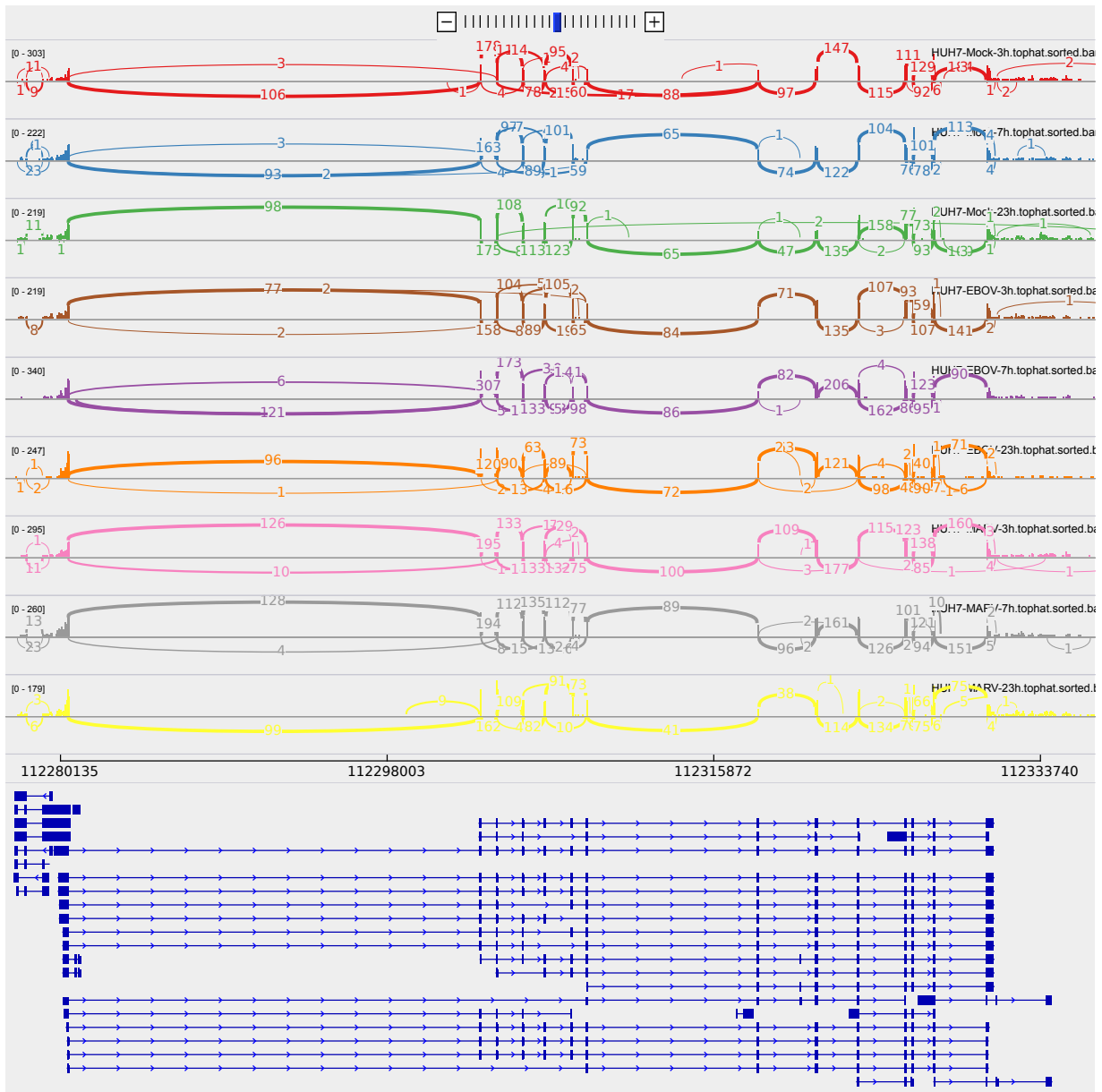


Figure 2: Sashimi plot of gene MAPKAPK5.

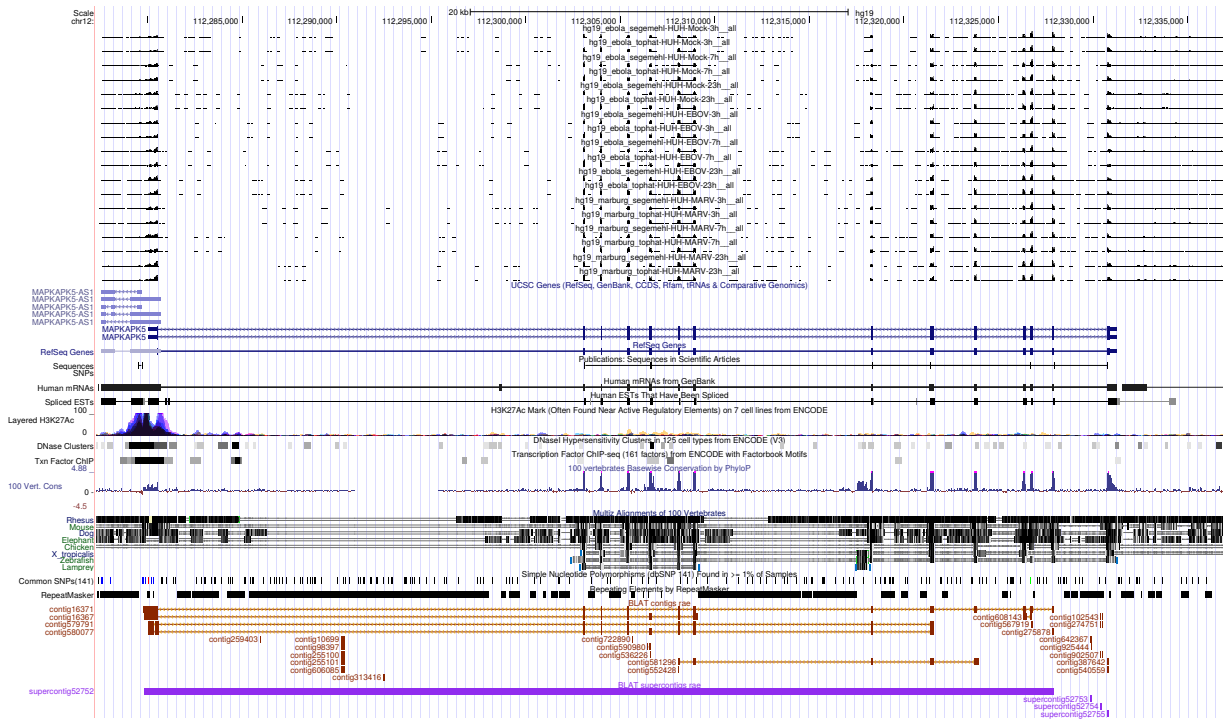


Figure 3: UCSC Genome Browser screenshot of gene MAPKAPK5.