

1 BCL10

This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene contains a caspase recruitment domain (CARD), and has been shown to induce apoptosis and to activate NF-kappaB. This protein is reported to interact with other CARD domain containing proteins including CARD9, 10, 11 and 14, which are thought to function as upstream regulators in NF-kappaB signaling. This protein is found to form a complex with MALT1, a protein encoded by another gene known to be translocated in MALT lymphoma. MALT1 and this protein are thought to synergize in the activation of NF-kappaB, and the deregulation of either of them may contribute to the same pathogenetic process that leads to the malignancy. It is constantly expressed in human but in bat it is upregulated after 23 hours of ebola virus infection and after 7 and 23 hours of marburg virus infection.



Figure 1: IGV Genome Browser screenshot of gene BCL10.

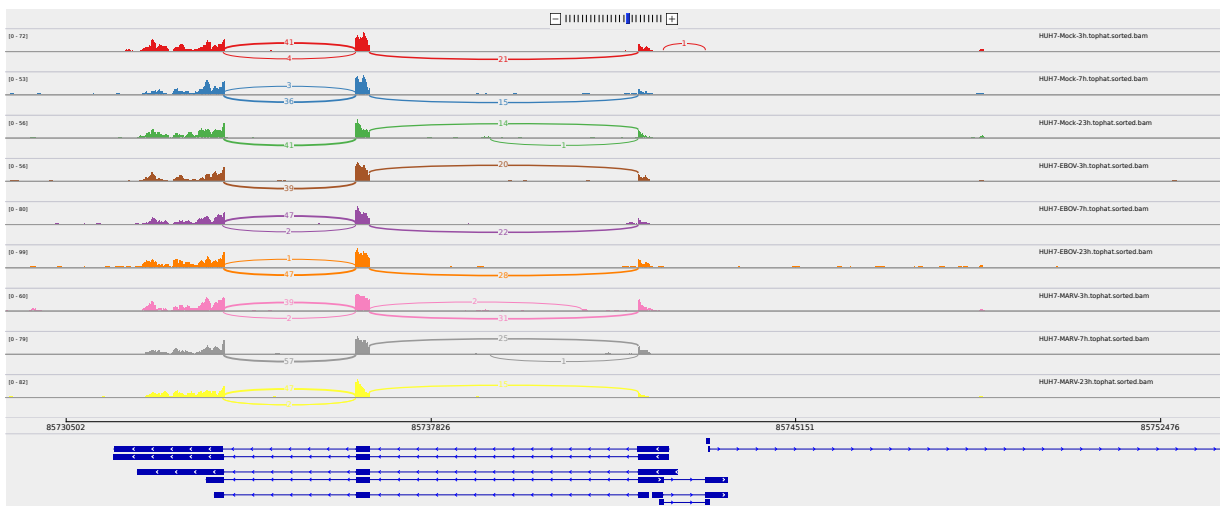


Figure 2: Sashimi plot of gene BCL10.

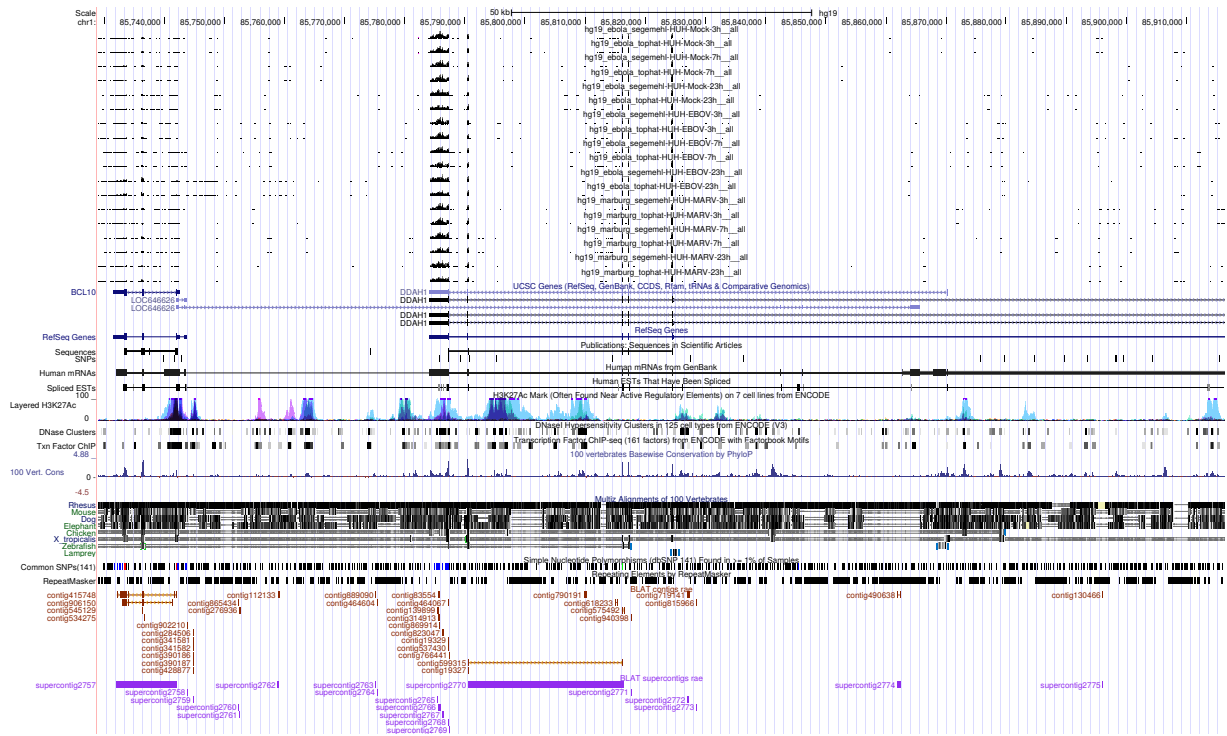


Figure 3: UCSC Genome Browser screenshot of gene BCL10.