

1 REL

This gene encodes a protein that belongs to the Rel homology domain/immunoglobulin-like fold, plexin, transcription factor (RHD/IPT) family. Members of this family regulate genes involved in apoptosis, inflammation, the immune response, and oncogenic processes. This proto-oncogene plays a role in the survival and proliferation of B lymphocytes. Mutation or amplification of this gene is associated with B-cell lymphomas, including Hodgkin's lymphoma. Single nucleotide polymorphisms in this gene are associated with susceptibility to ulcerative colitis and rheumatoid arthritis. Alternative splicing results in multiple transcript variants encoding different isoforms.

In human the expression increases between 7 h and 23 h after infection with Ebola, but not with Marburg virus or in mock. The bat homolog could not be detected in the transcriptome.

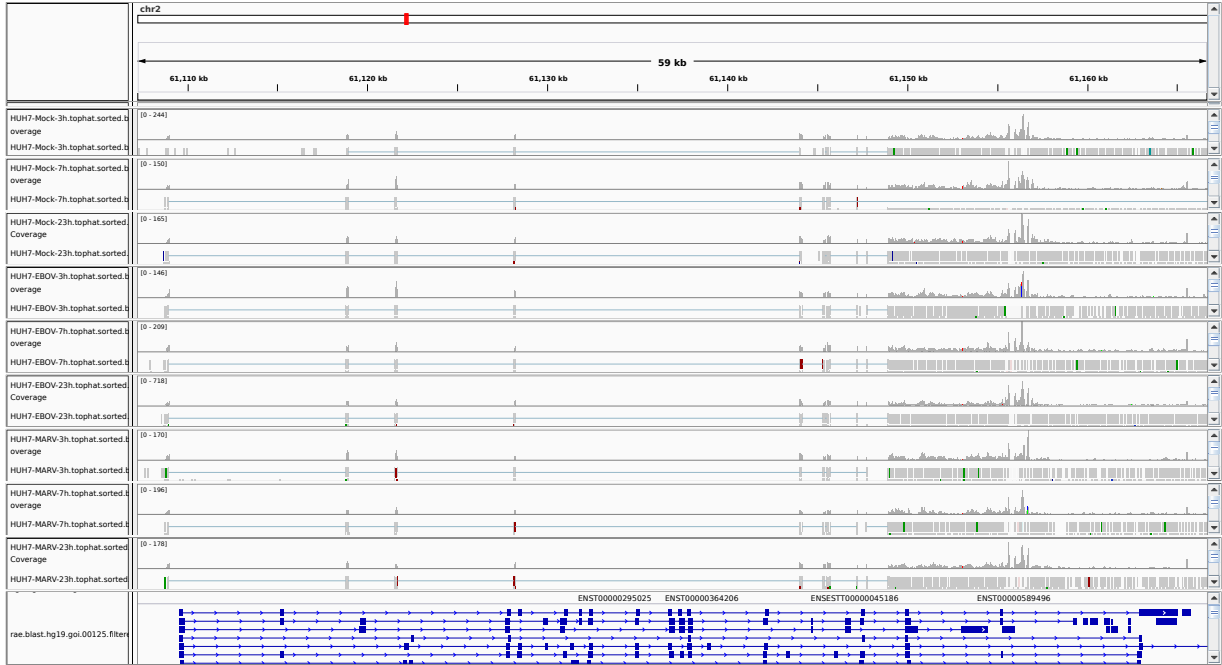


Figure 1: IGV Genome Browser screenshot of gene REL.

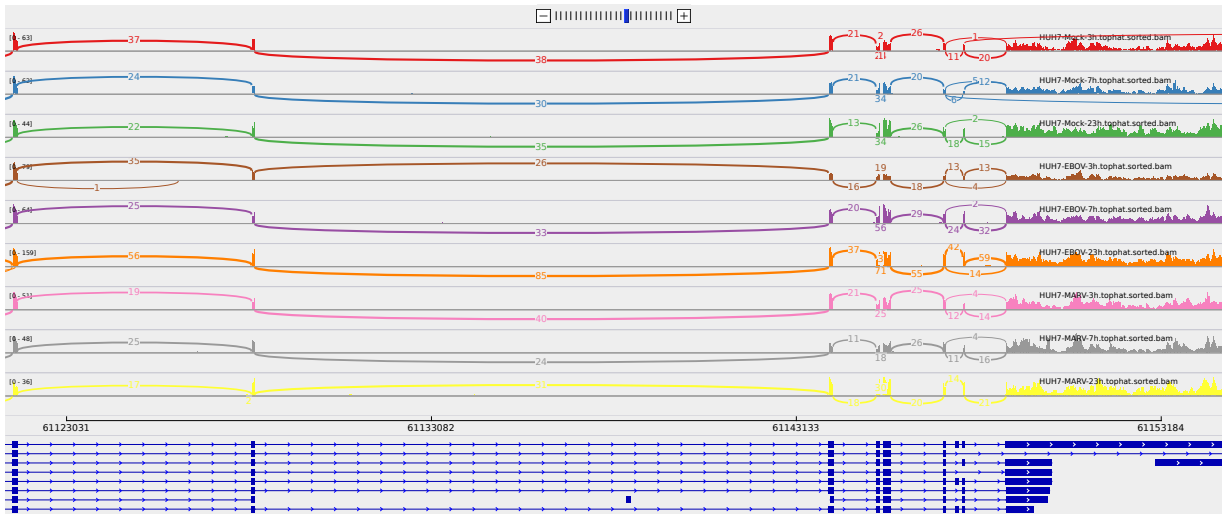


Figure 2: Sashimi plot of gene REL.

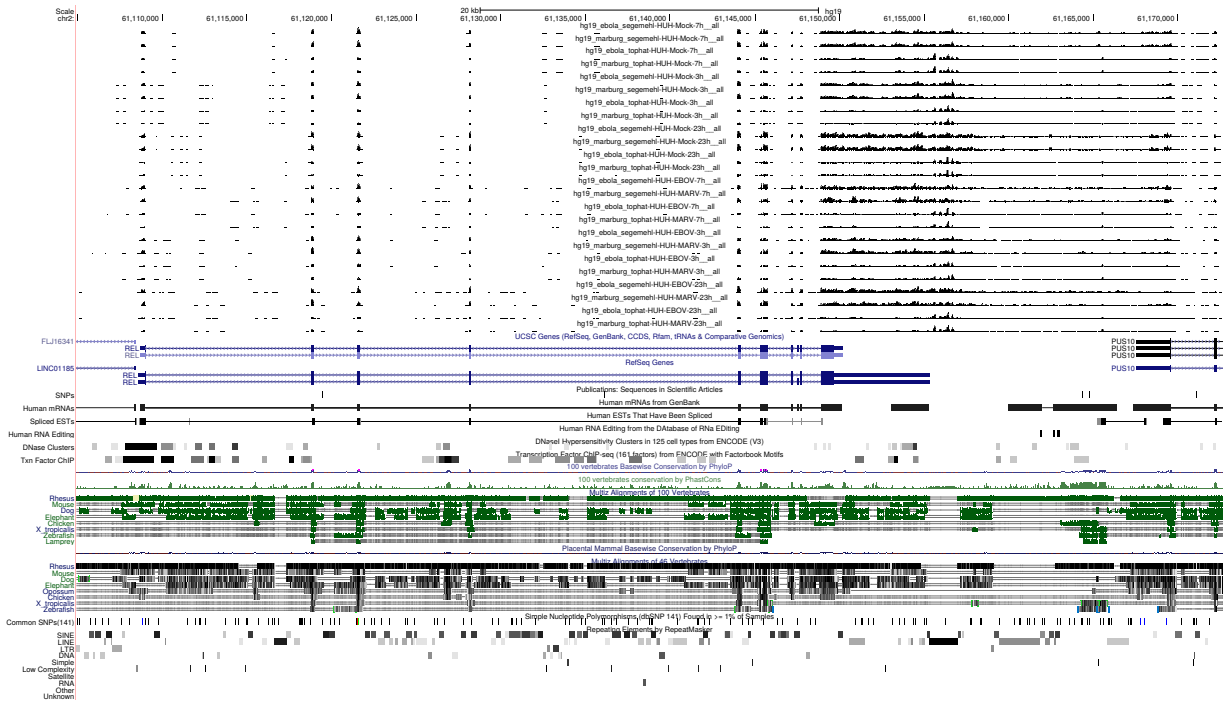


Figure 3: UCSC Genome Browser screenshot of gene REL.