1 SULT1C4

Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds.

This gene is upregulated in Ebola-infected cells after 23 h. Moreover, there is an alternative splicing event with the upstream SULT1C2P1 gene, where the first exon is skipped.

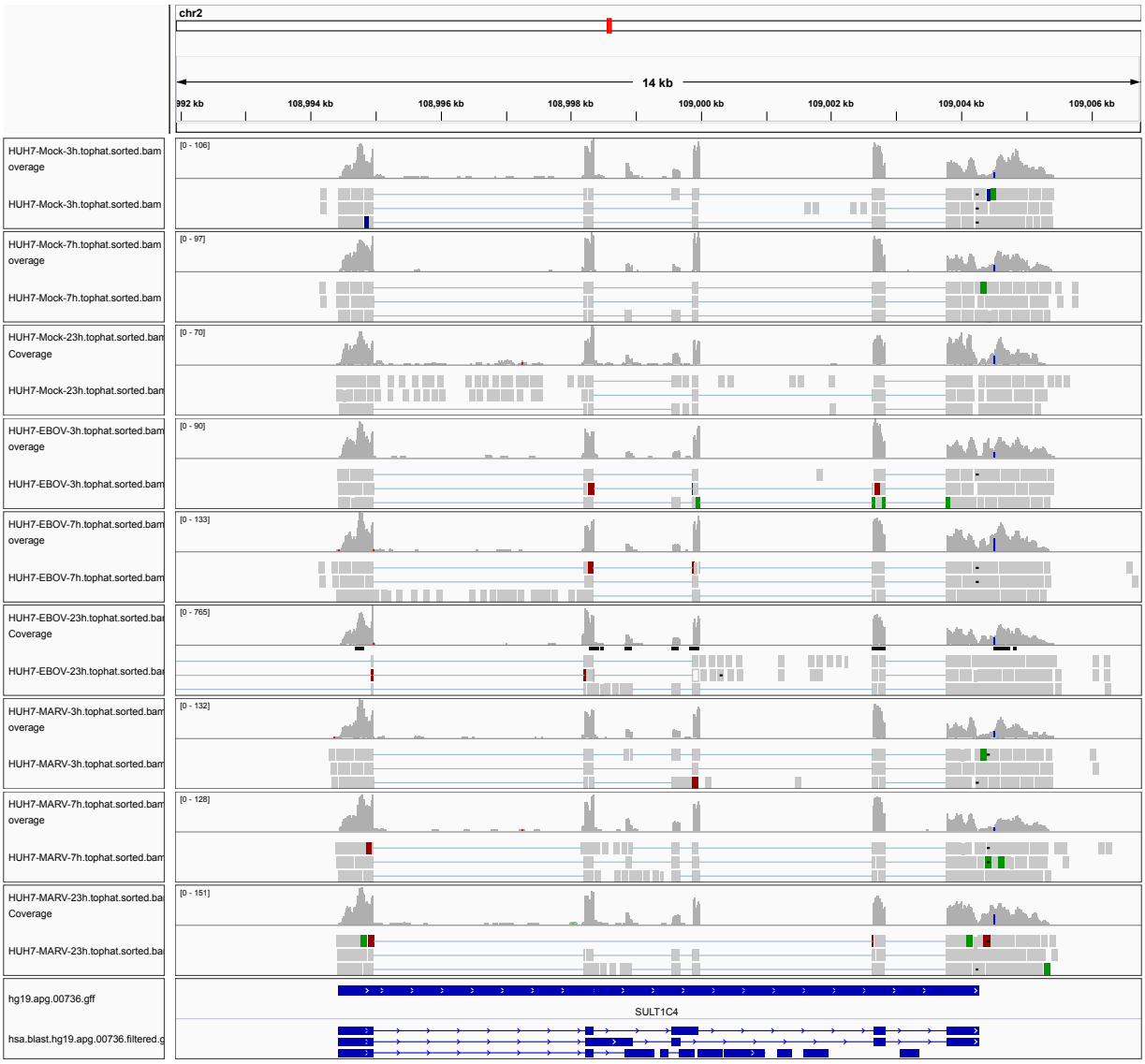

Figure 1: IGV Genome Browser screenshot of gene SULT1C4.

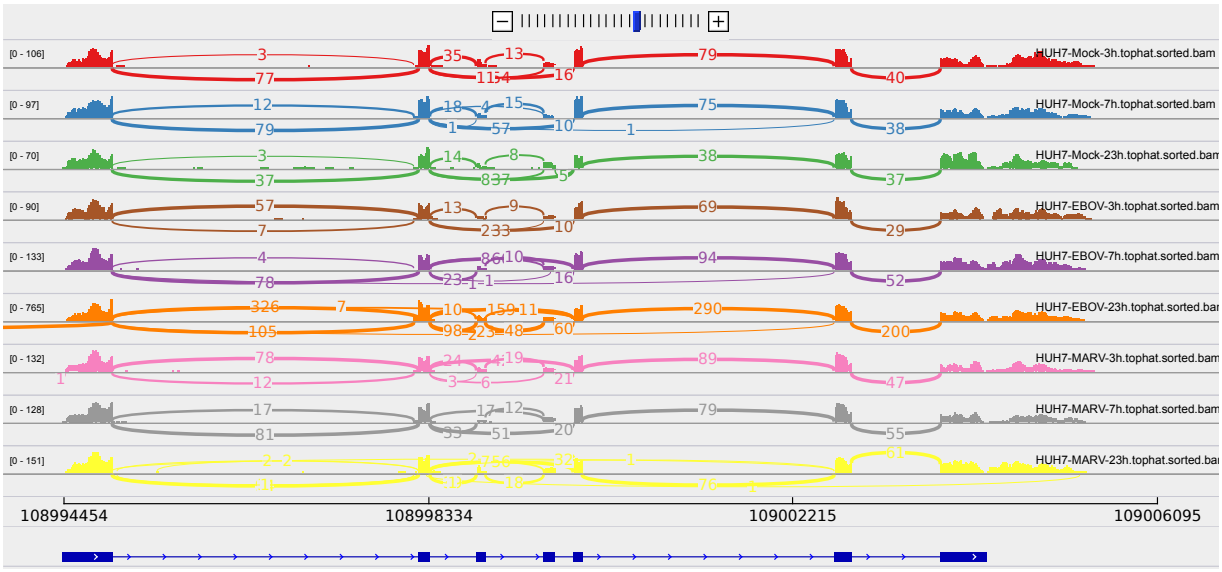

Figure 2: Sashimi plot of gene SULT1C4.

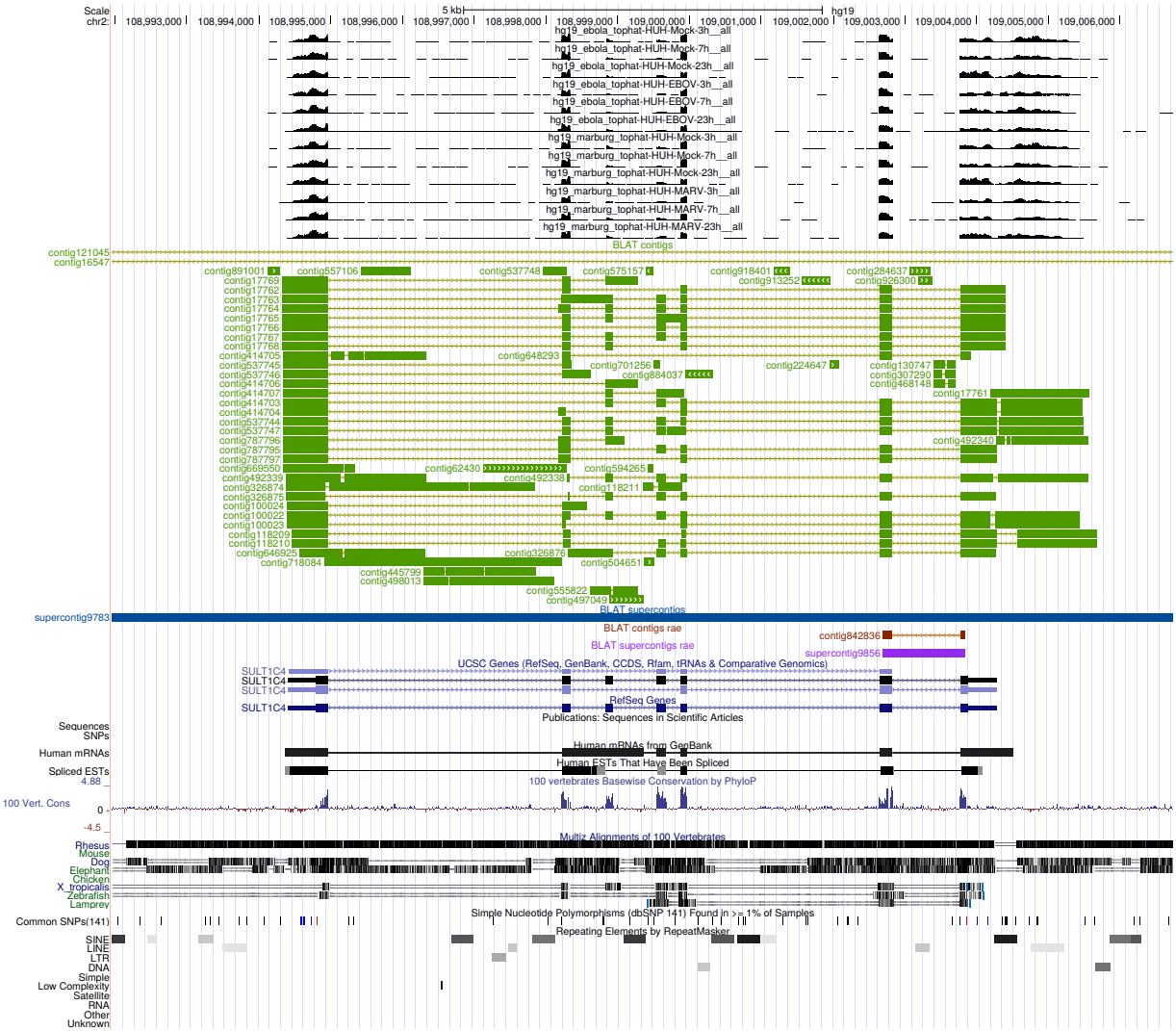

Figure 3: UCSC Genome Browser screenshot of gene SULT1C4.