

# 1 TRIM21

This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The encoded protein is part of the RoSSA ribonucleoprotein, which includes a single polypeptide and one of four small RNA molecules. The RoSSA particle localizes to both the cytoplasm and the nucleus. RoSSA interacts with autoantigens in patients with Sjogren syndrome and systemic lupus erythematosus. Alternatively spliced transcript variants for this gene have been described but the full-length nature of only one has been determined.

Very low expression in human, but this is increased in bat. In addition, in bat the gene is upregulated in Marburg-infected cells (see Fig. 4).



Figure 1: IGV Genome Browser screenshot of gene TRIM21.

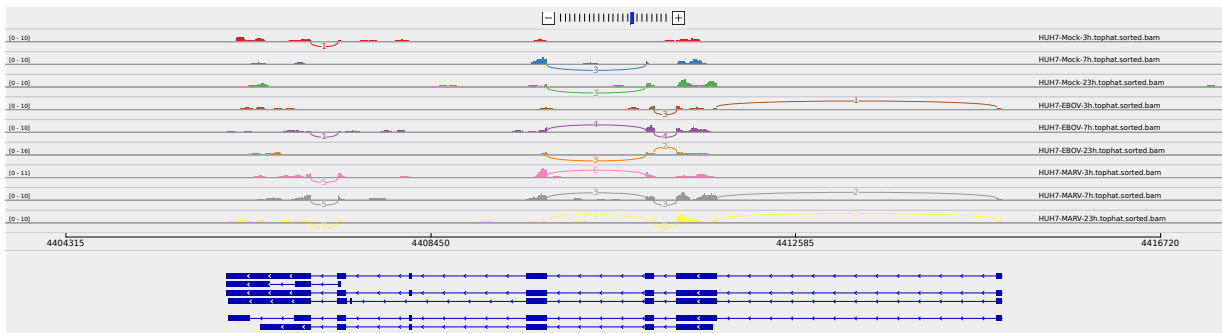


Figure 2: Sashimi plot of gene TRIM21.

