

1 TNFSF10

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

The expression of this gene is very low in all human probes, and in 23 h after Ebola infection there is no expression. This gene was found to be not expressed in bat.

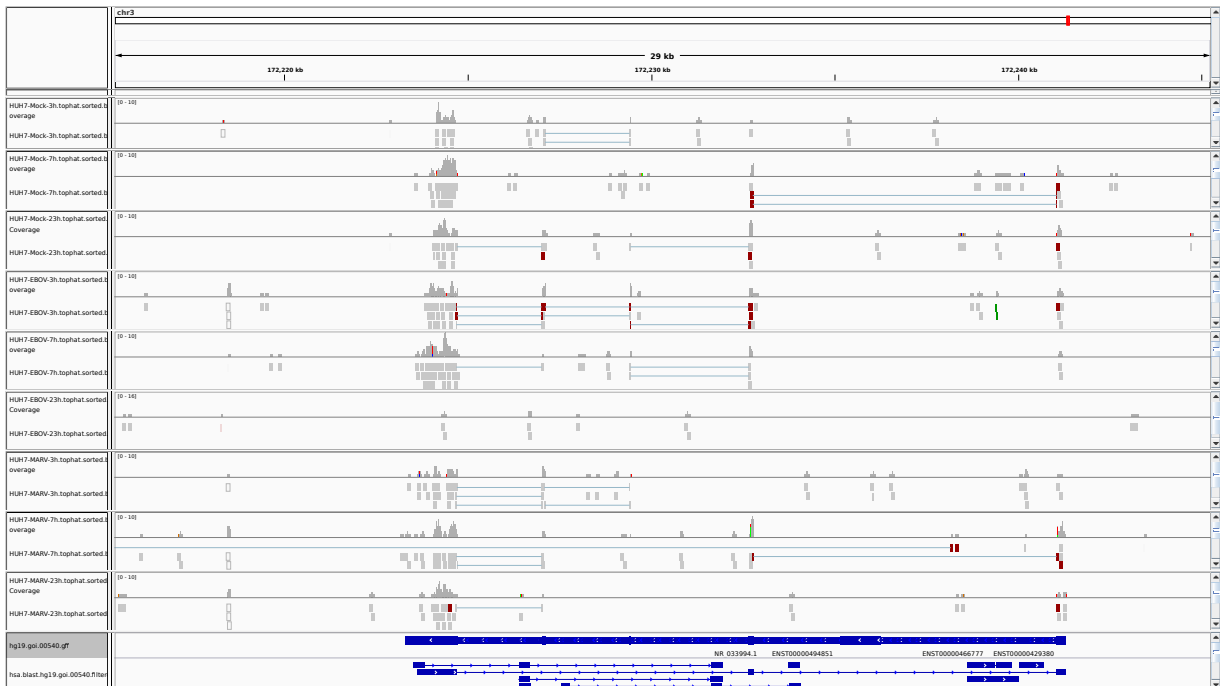


Figure 1: IGV Genome Browser screenshot of gene TNFSF10.

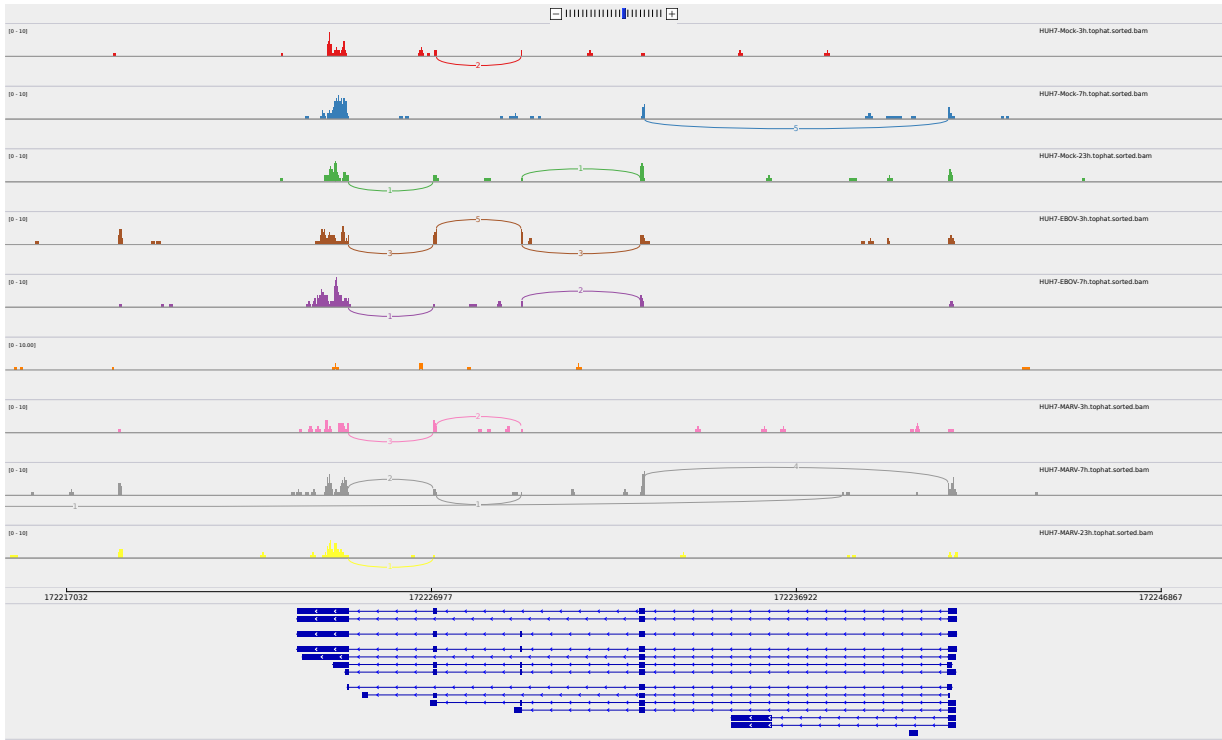


Figure 2: Sashimi plot of gene TNFSF10.

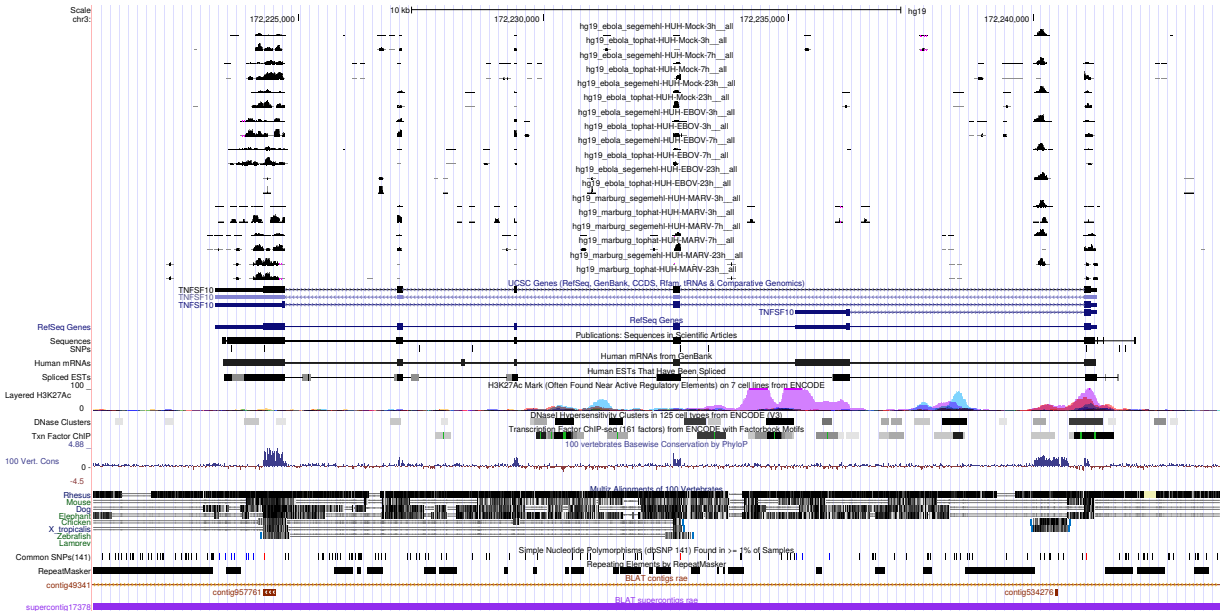


Figure 3: UCSC Genome Browser screenshot of gene TNFSF10.