

1 FGFR3

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance.

The gene is upregulated in human Ebola and downregulated in late Marburg infection. The bat homolog appears to be not expressed.

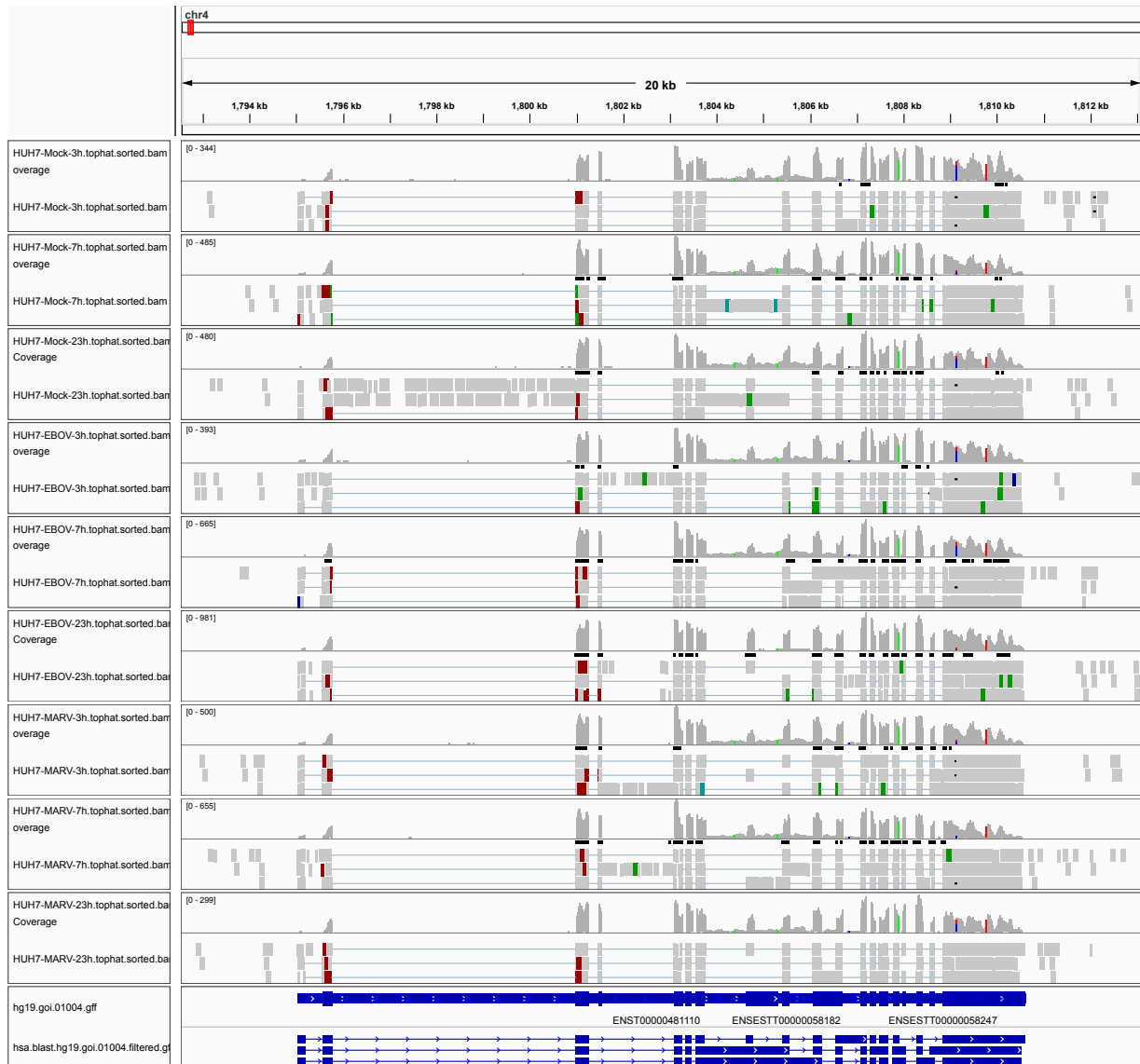


Figure 1: IGV Genome Browser screenshot of gene FGFR3.

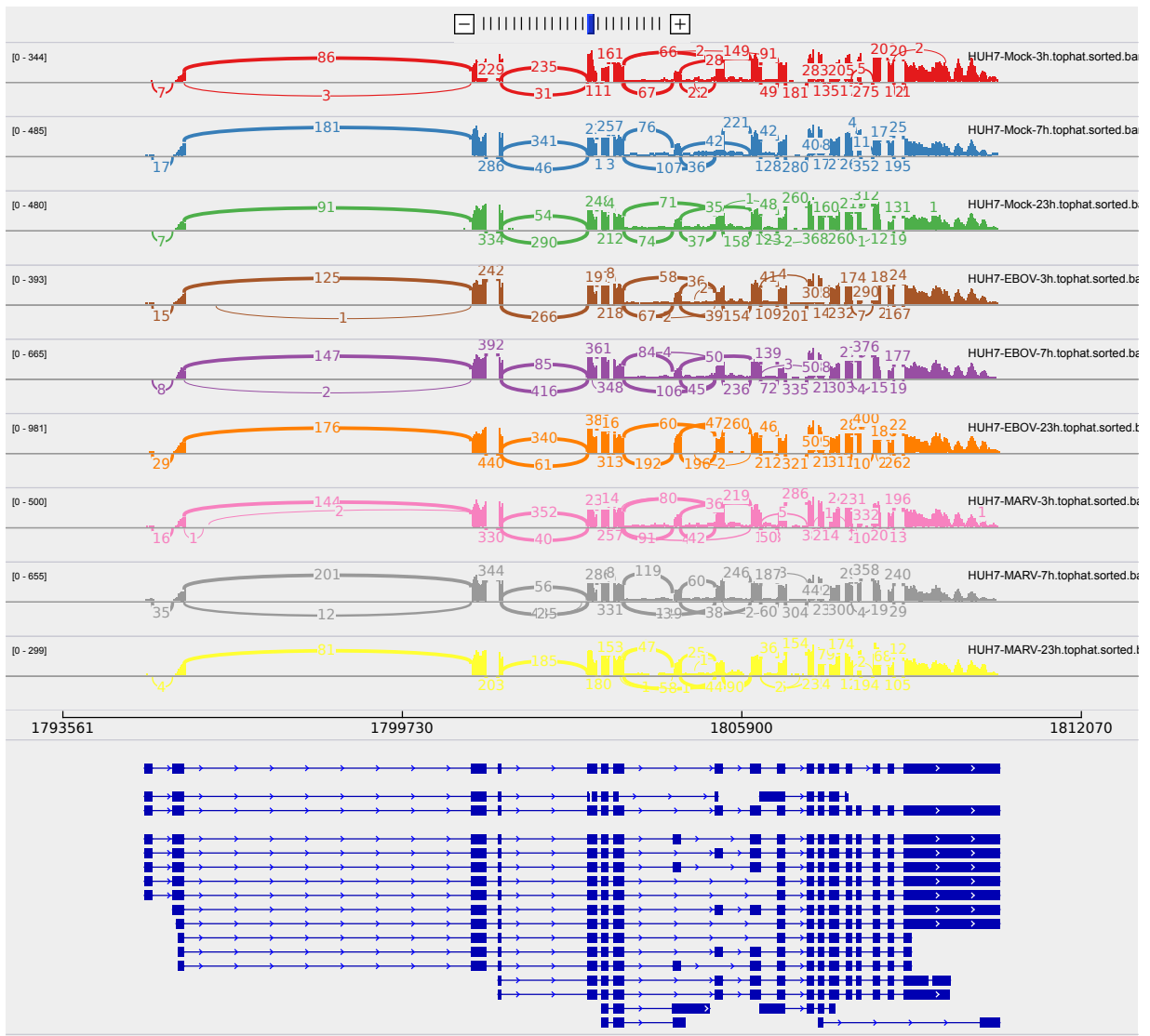


Figure 2: Sashimi plot of gene *FGFR3*.

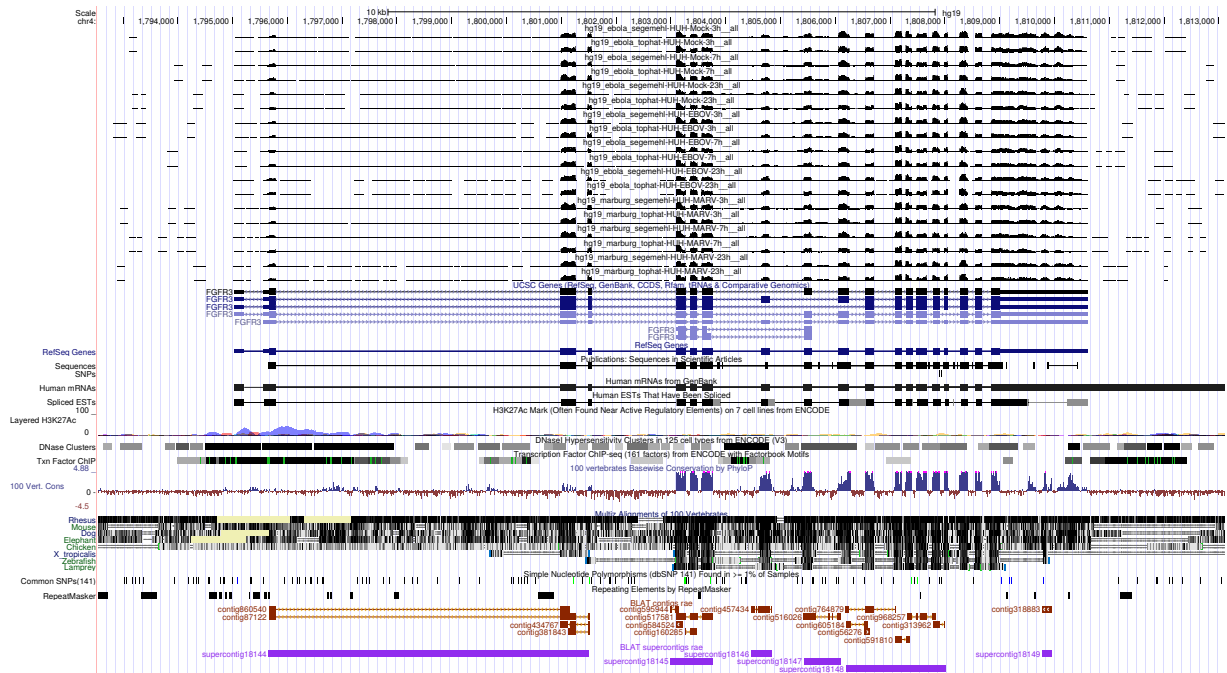


Figure 3: UCSC Genome Browser screenshot of gene *FGFR3*.