

# 1 DNM1

This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. The gene is lowly but stably expressed in human, and shows comparably large intron retention at a central intron. The bat homologs are almost not expressed.

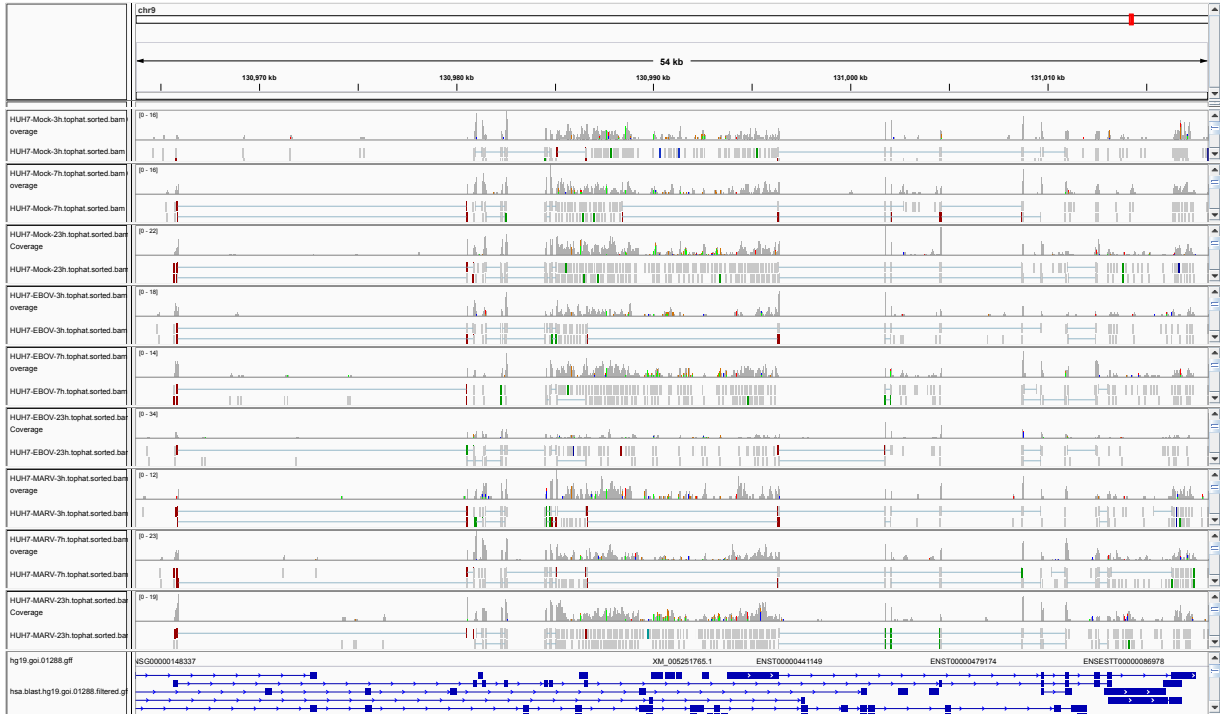


Figure 1: IGV Genome Browser screenshot of gene DNM1.

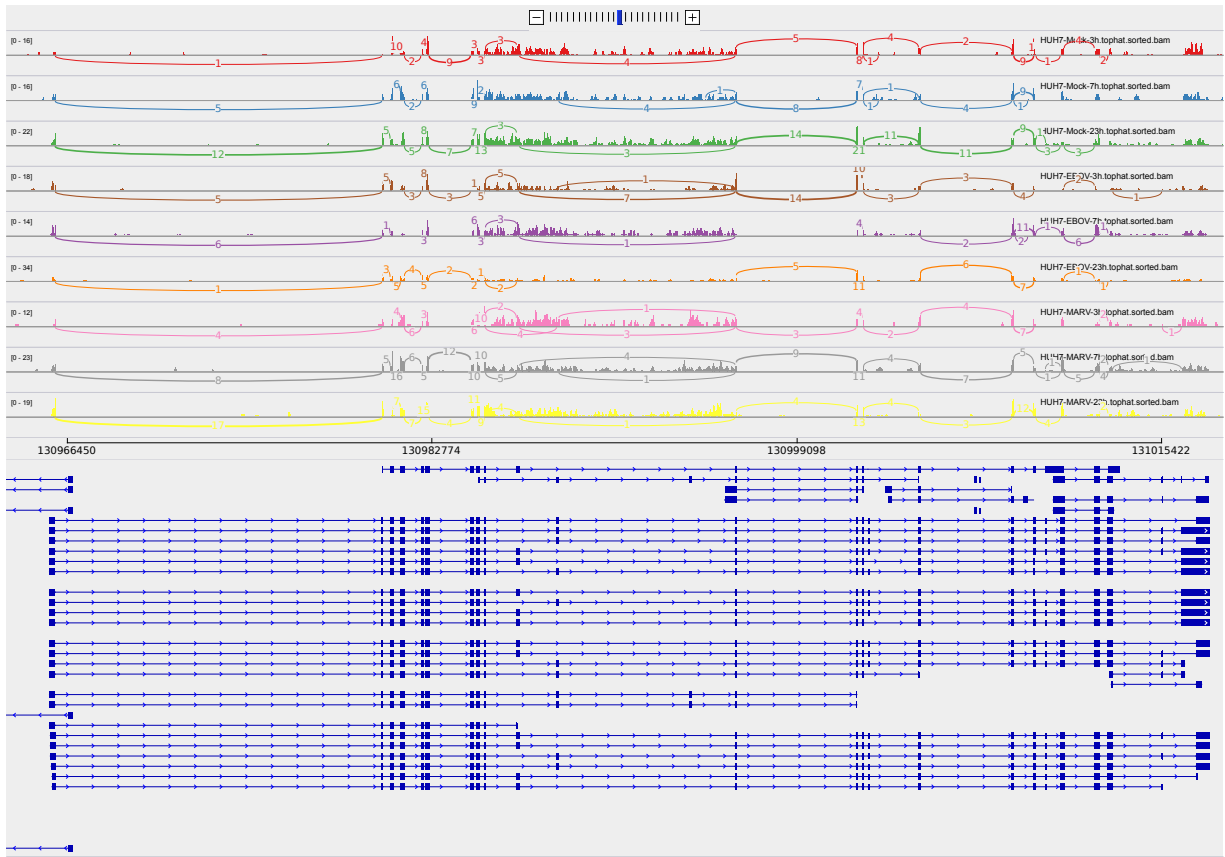


Figure 2: Sashimi plot of gene DNMI.

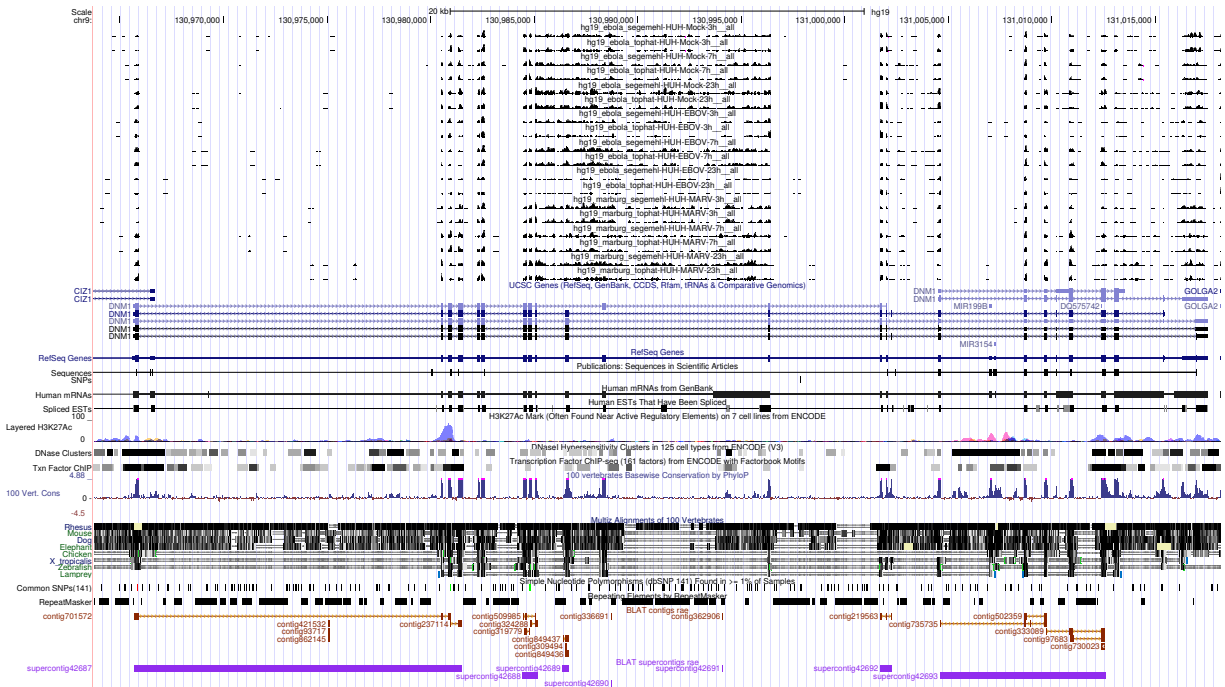


Figure 3: UCSC Genome Browser screenshot of gene DNMI.