

1 MGRN1

E3 ubiquitin-protein ligase. Mediates monoubiquitination at multiple sites of TSG101 in the presence of UBE2D1, but not of UBE2G1, nor UBE2H. Plays a role in the regulation of endosome-to-lysosome trafficking. Impairs MC1R- and MC4R-signaling by competing with GNAS-binding to MCRs and inhibiting agonist-induced cAMP production. Does not inhibit ADRB2-signaling. Does not promote MC1R ubiquitination.

MGRN1 is well expressed in both human and the bat homolog. There are slight differences in expression levels, but nothing very convincing.

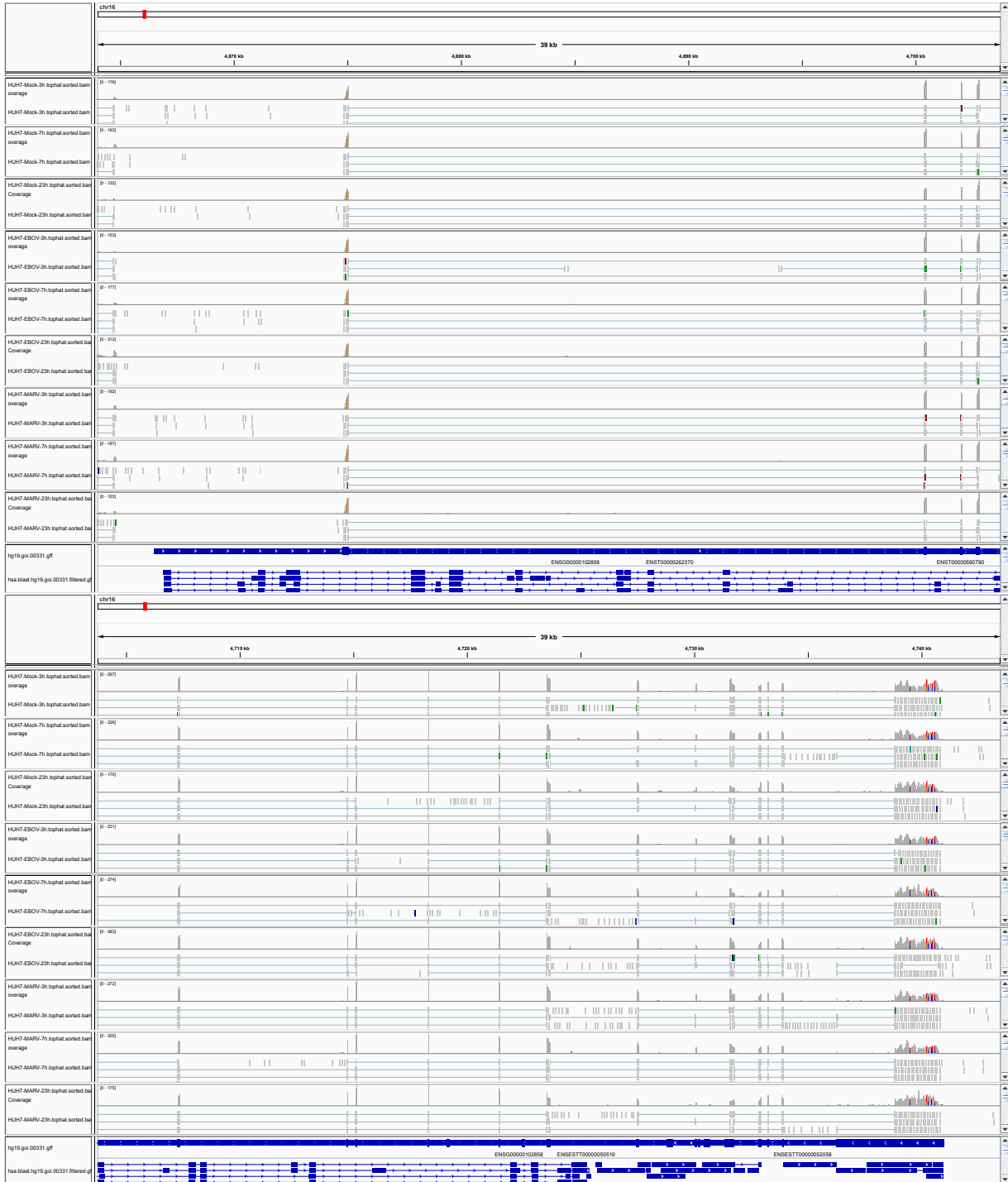


Figure 1: IGV Genome Browser screenshot of gene MGRN1.

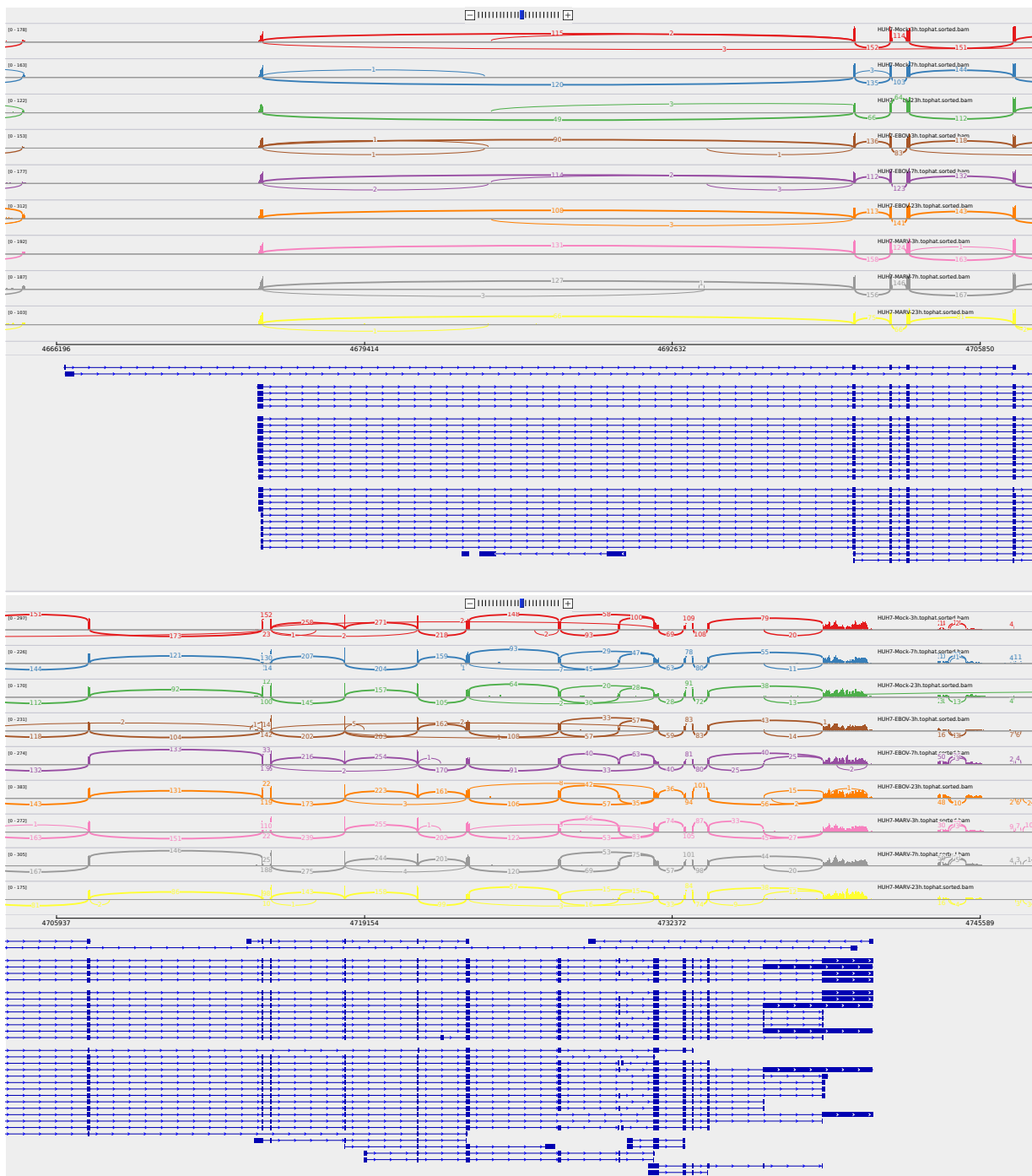


Figure 2: Sashimi plot of gene MGRN1.

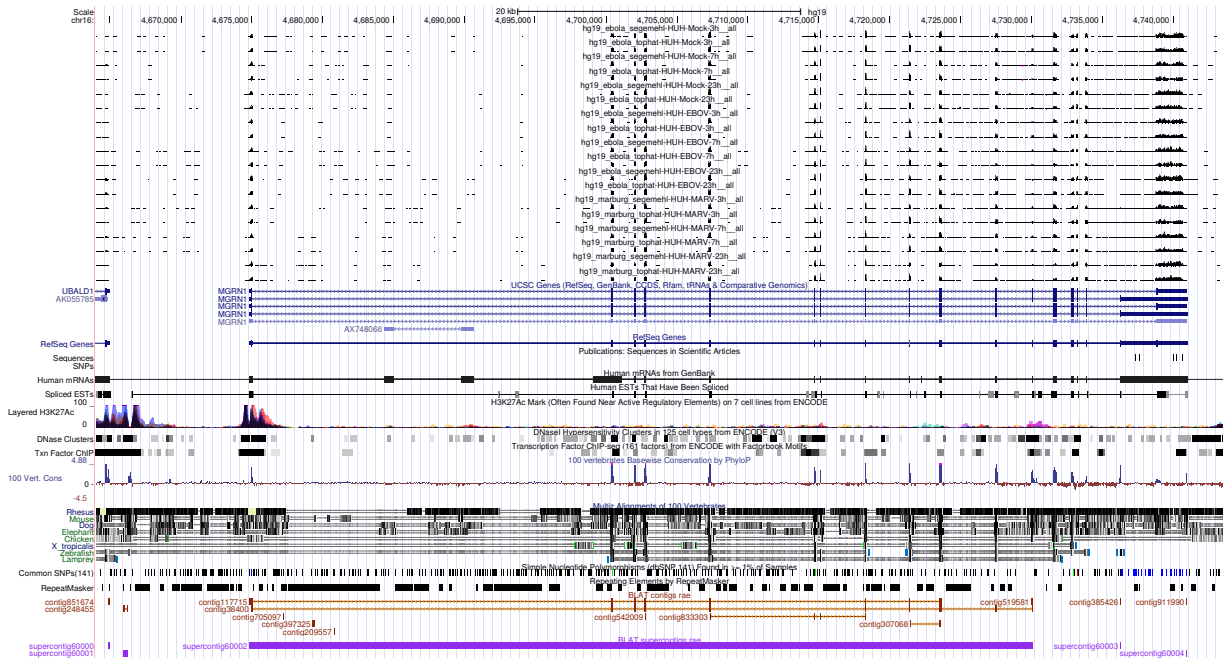


Figure 3: UCSC Genome Browser screenshot of gene MGRN1.