

1 KIT

This gene encodes the human homolog of the proto-oncogene *c-kit*. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene *v-kit*. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

*The gene *KIT* is not expressed in human datasets but moderately expressed in bat datasets. However, there are no significant changes in expression levels.*

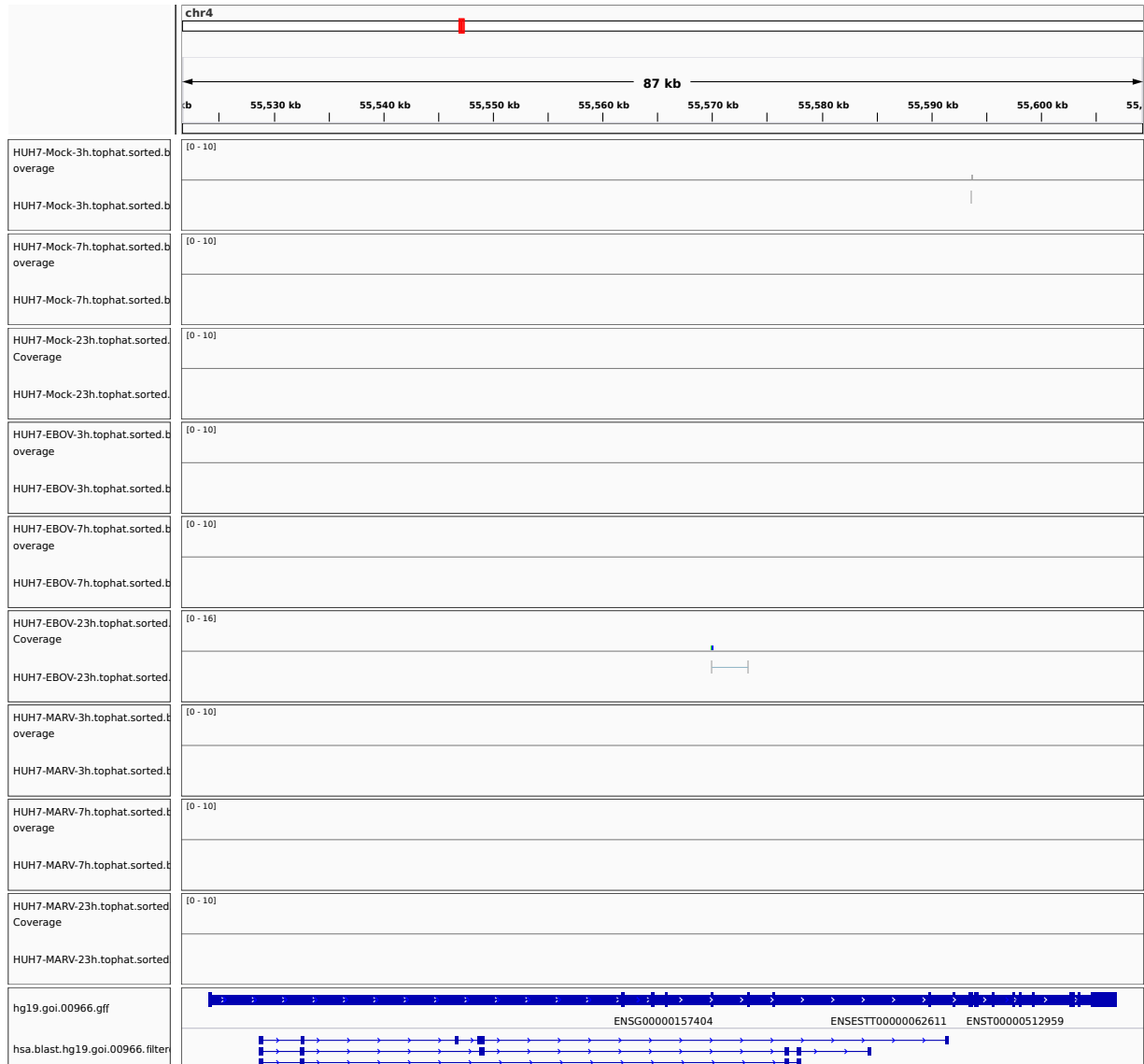


Figure 1: IGV Genome Browser screenshot of gene *KIT*.

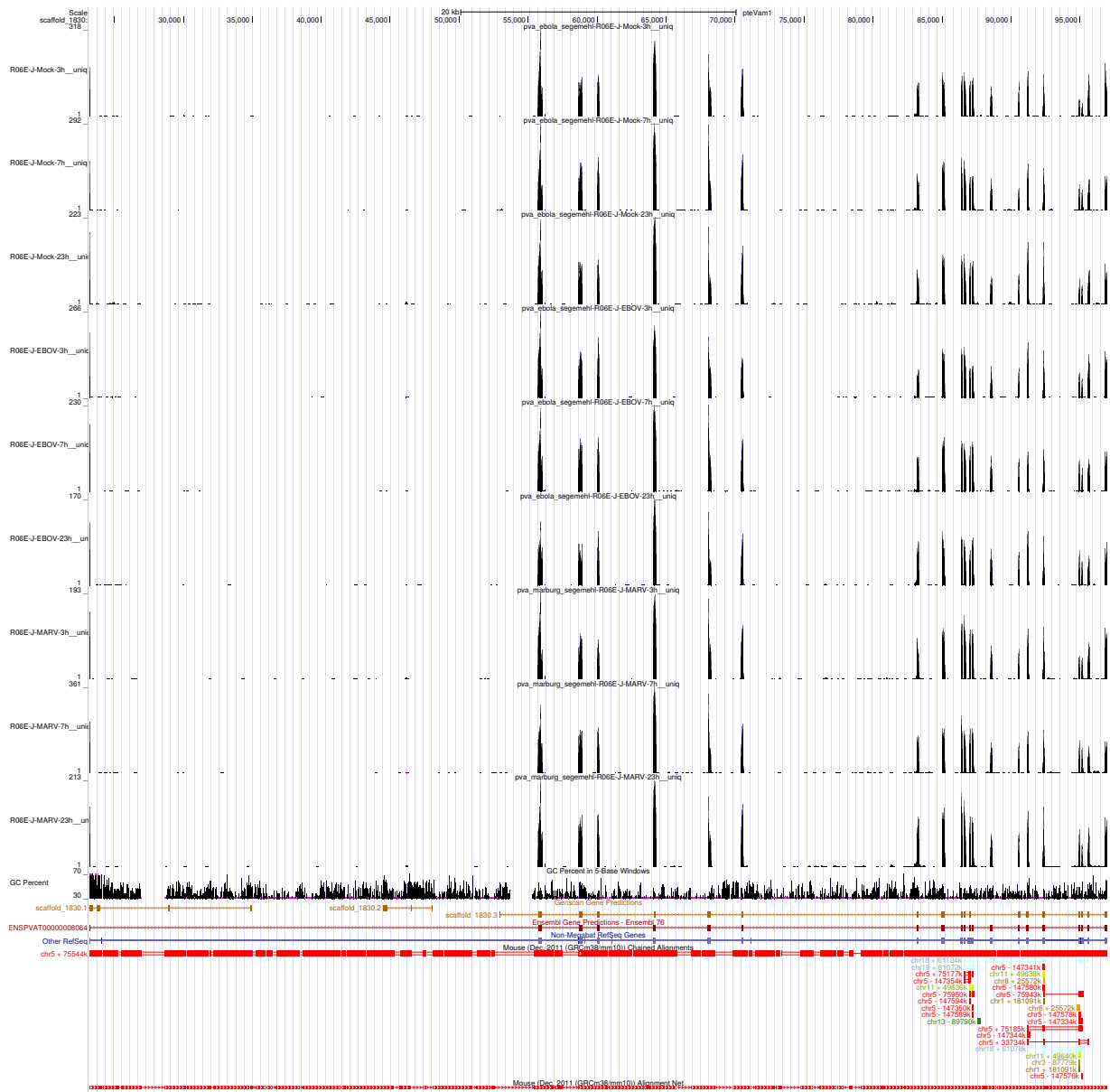


Figure 2: UCSC Genome Browser screenshot of gene KIT.