1 NRAS

This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.

It is expressed constantly in human as well as in bat but at a distinct higher level.

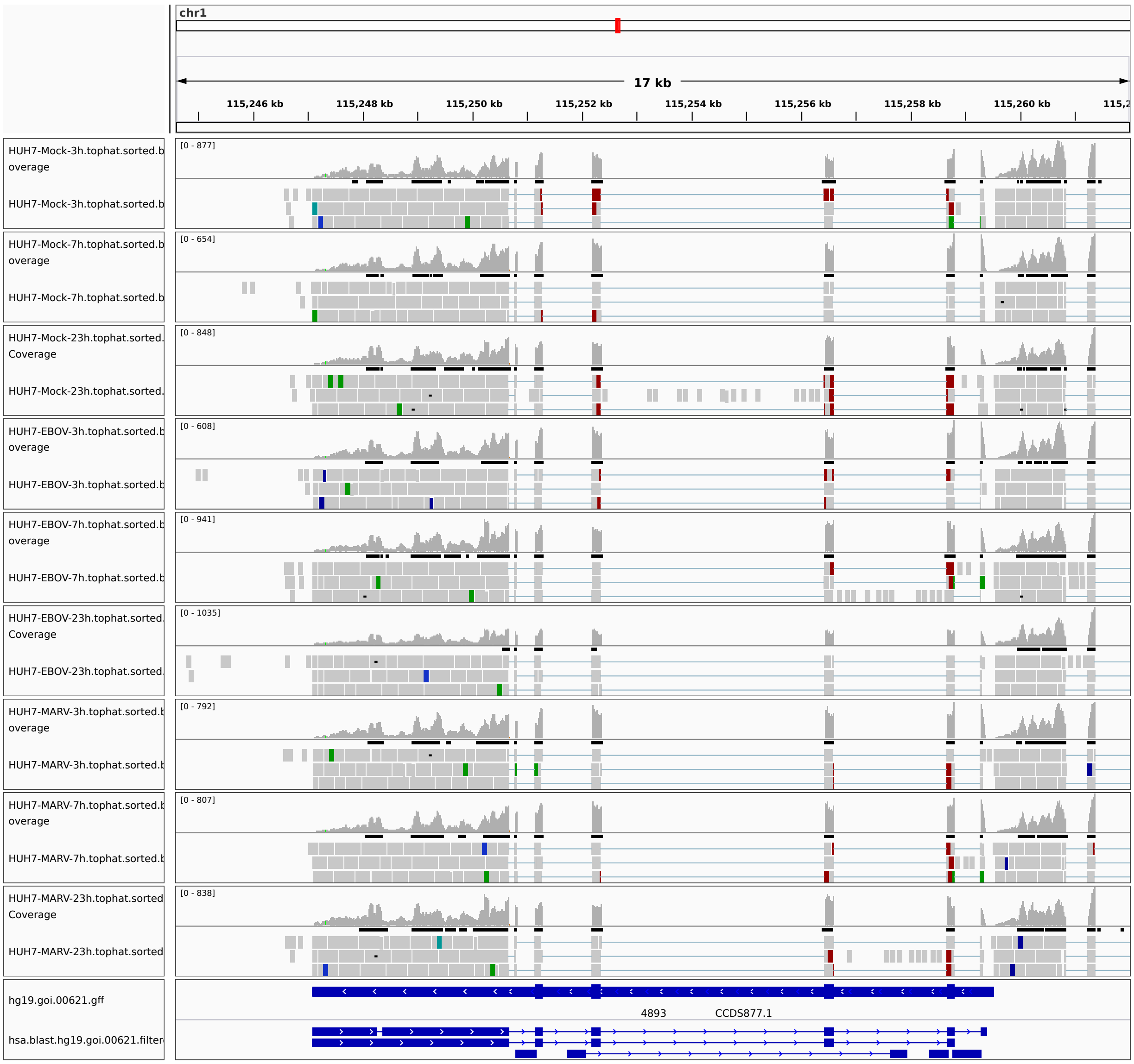

Figure 1: IGV Genome Browser screenshot of gene NRAS.

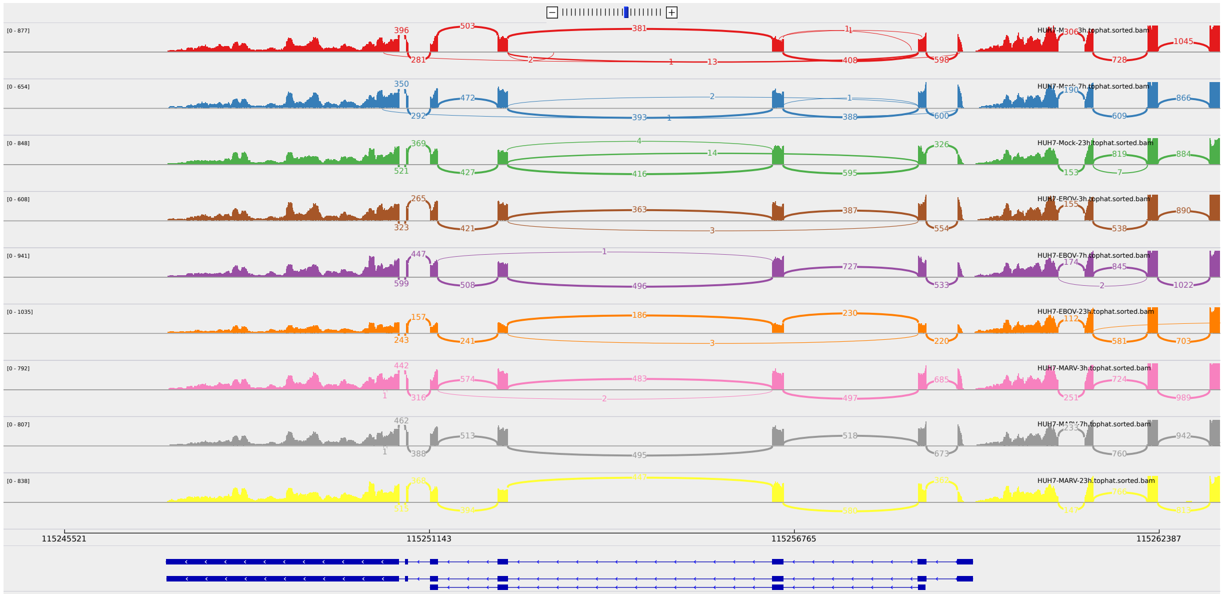

Figure 2: Sashimi plot of gene NRAS.

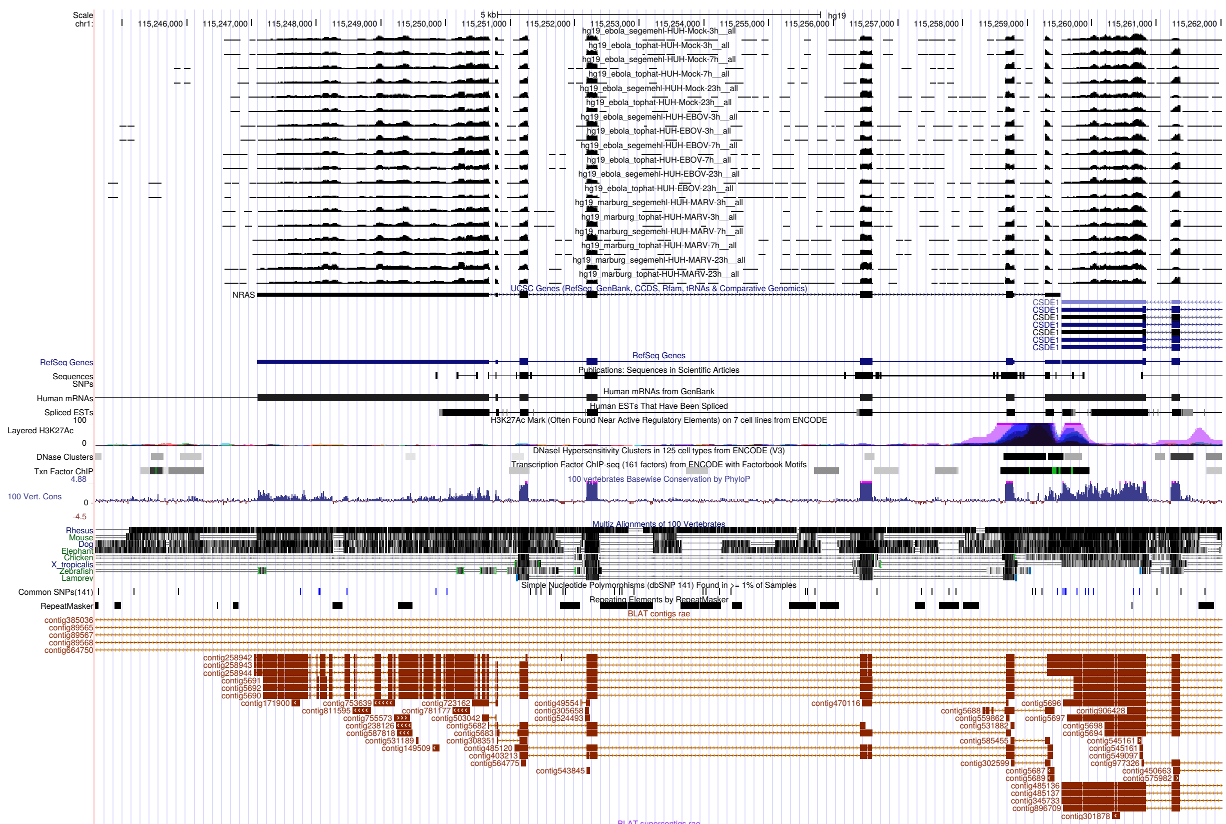

Figure 3: UCSC Genome Browser screenshot of gene NRAS.