1 SYNGAP1

The protein encoded by this gene is a major component of the postsynaptic density (PSD), a group of proteins found associated with NMDA receptors at synapses. The encoded protein is phosphorylated by calmodulin-dependent protein kinase II and dephosphorylated by NMDA receptor activation. Defects in this gene are a cause of mental retardation autosomal dominant type 5 (MRD5).

*The gene is not present in human cells except after 23 h of Ebola infection and on the other hand is moderately expressed in all bat samples. *

Figure 1: IGV Genome Browser screenshot of gene SYNGAP1.

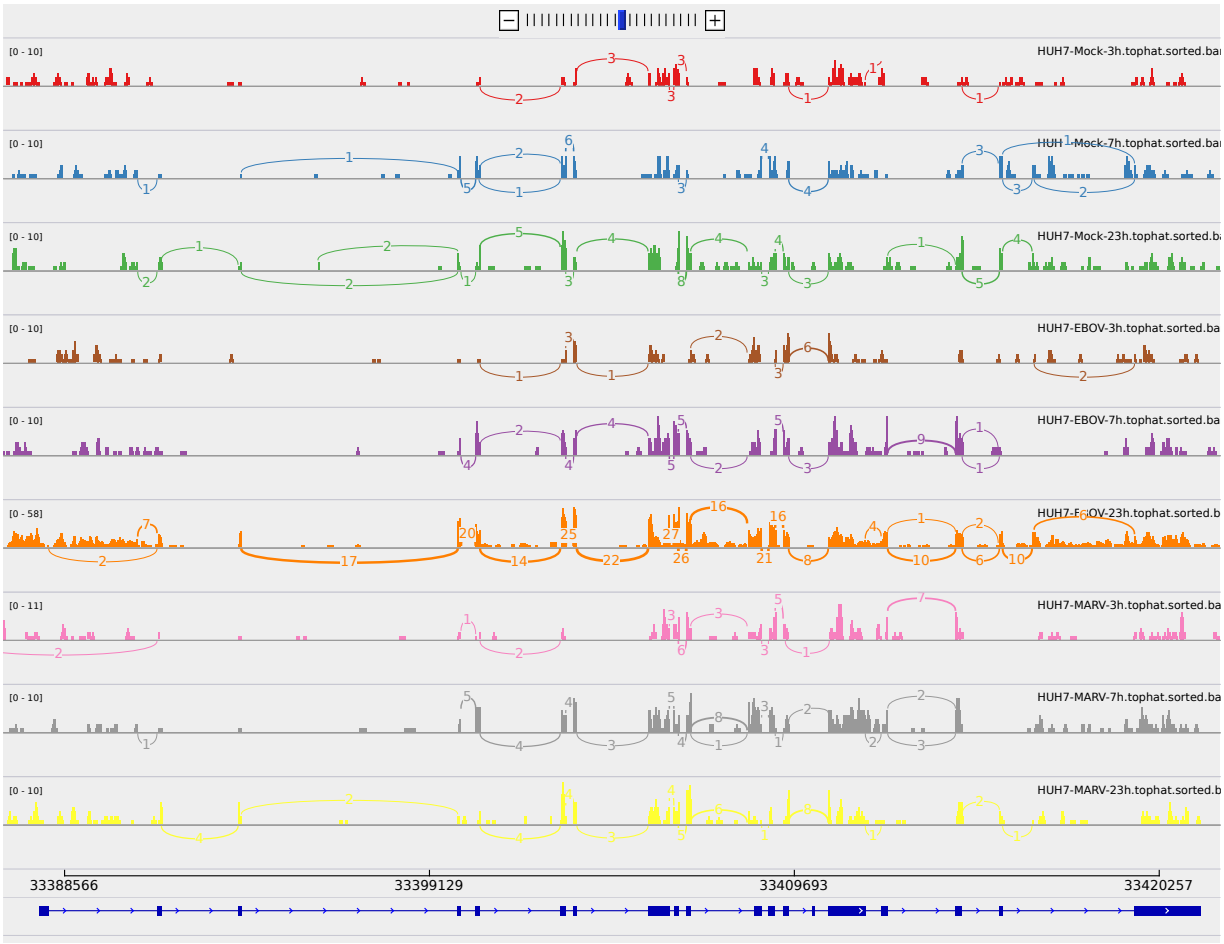

Figure 2: Sashimi plot of gene SYNGAP1.

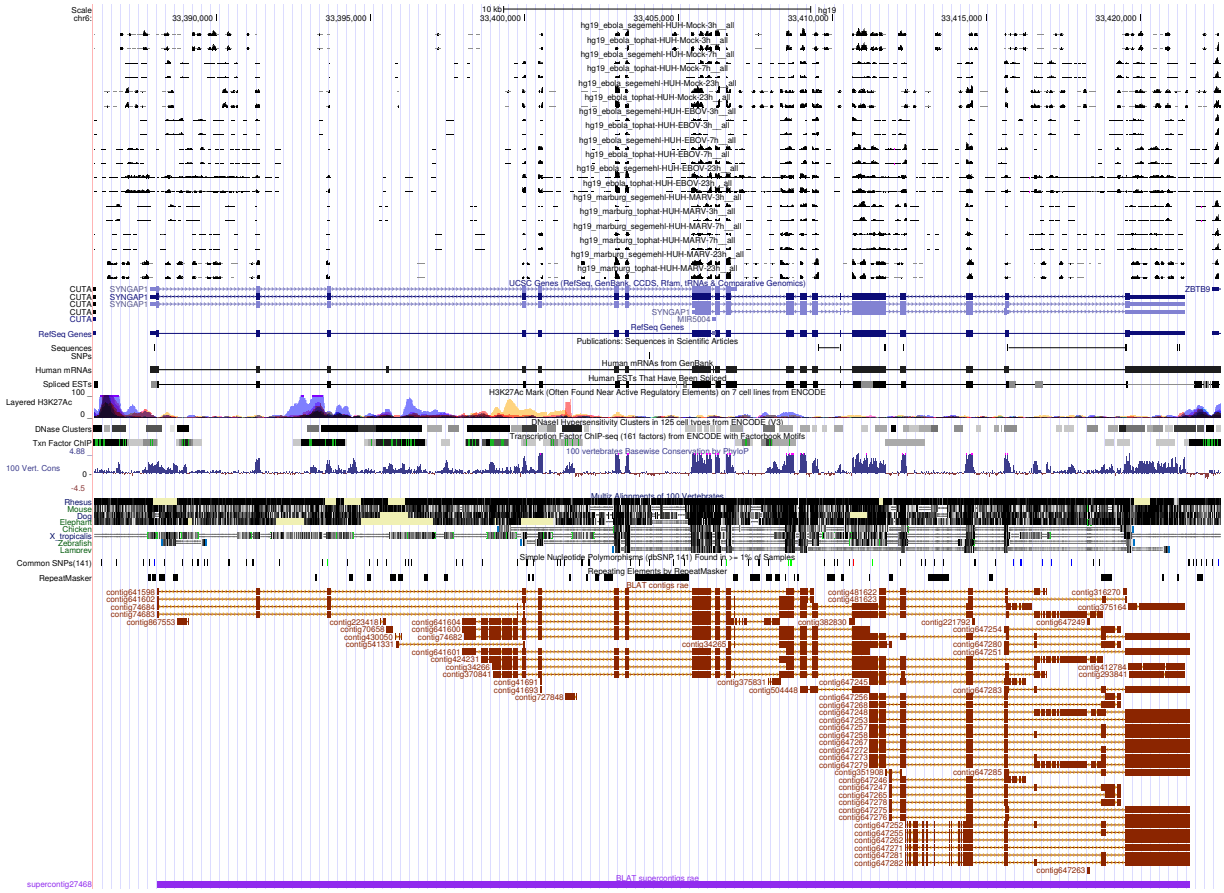

Figure 3: UCSC Genome Browser screenshot of gene SYNGAP1.