

# 1 PIK3R1

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. The gene is slightly downregulated in human EBOV 23h. The bat homolog is uniformly expressed.

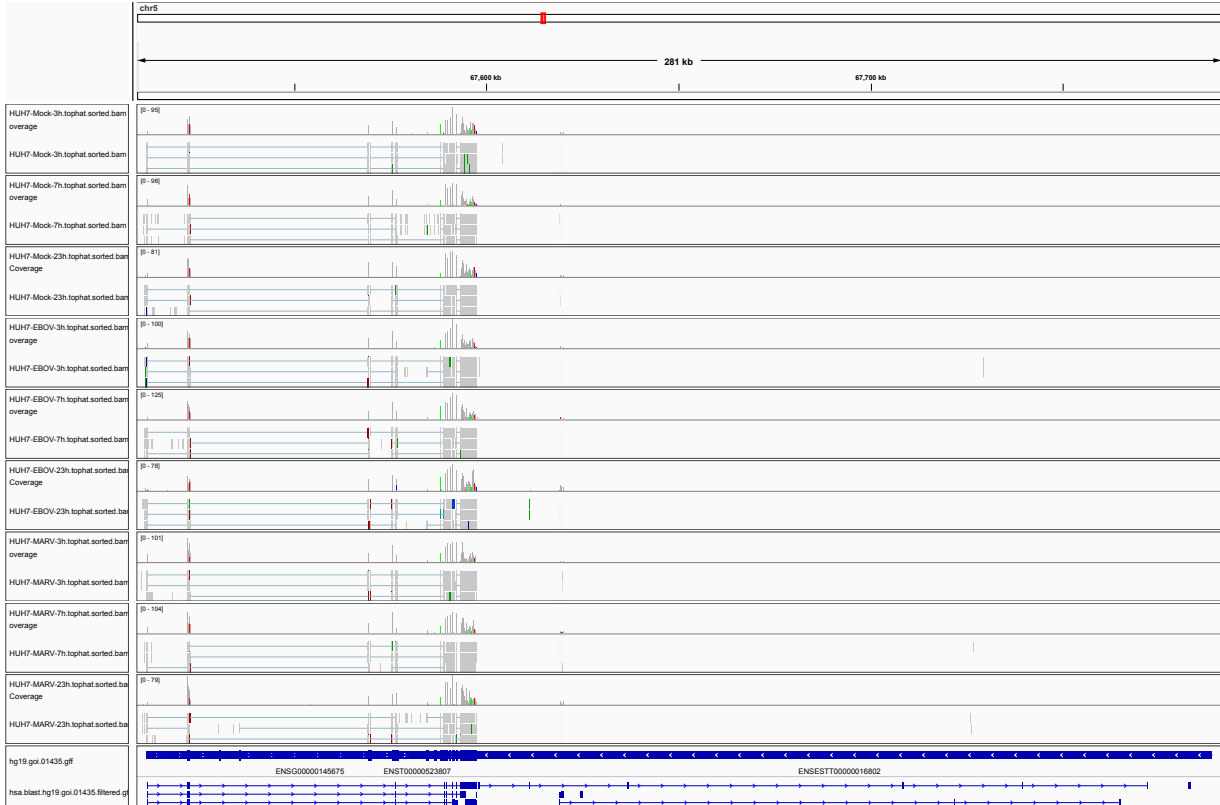


Figure 1: IGV Genome Browser screenshot of gene PIK3R1.

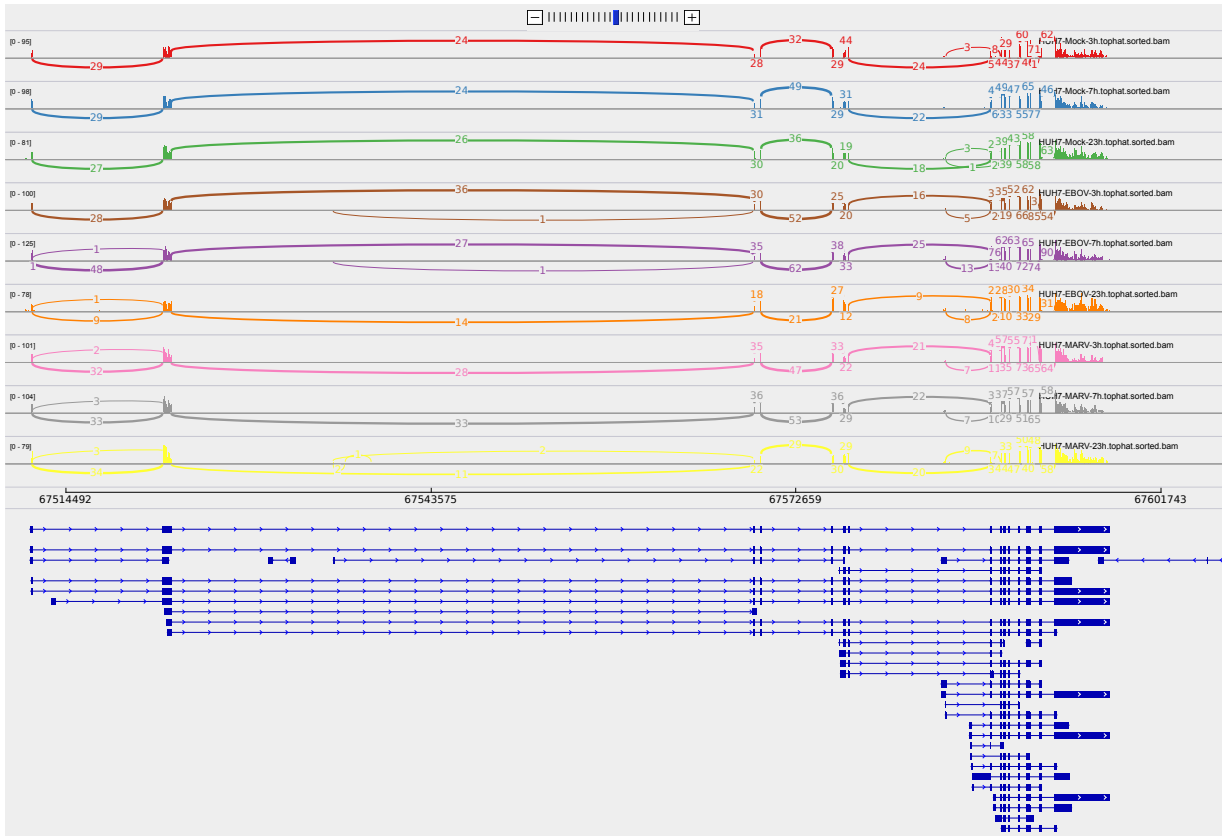


Figure 2: Sashimi plot of gene PIK3R1.

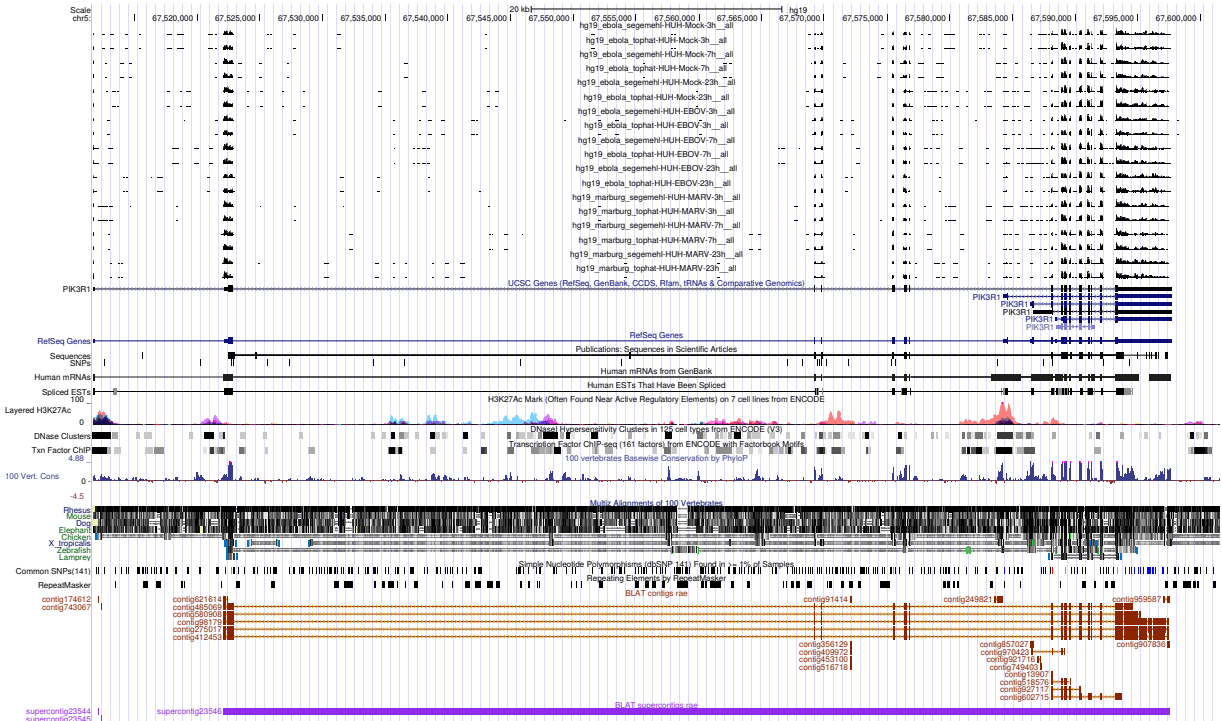


Figure 3: UCSC Genome Browser screenshot of gene PIK3R1.