

1 PIK3C2A

The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The PI3-kinase activity of this protein is not sensitive to nanomolar levels of the inhibitor wortmanin. This protein was shown to be able to be activated by insulin and may be involved in integrin-dependent signaling.

There is a small (≈ 10) number of transcripts within a human intron.

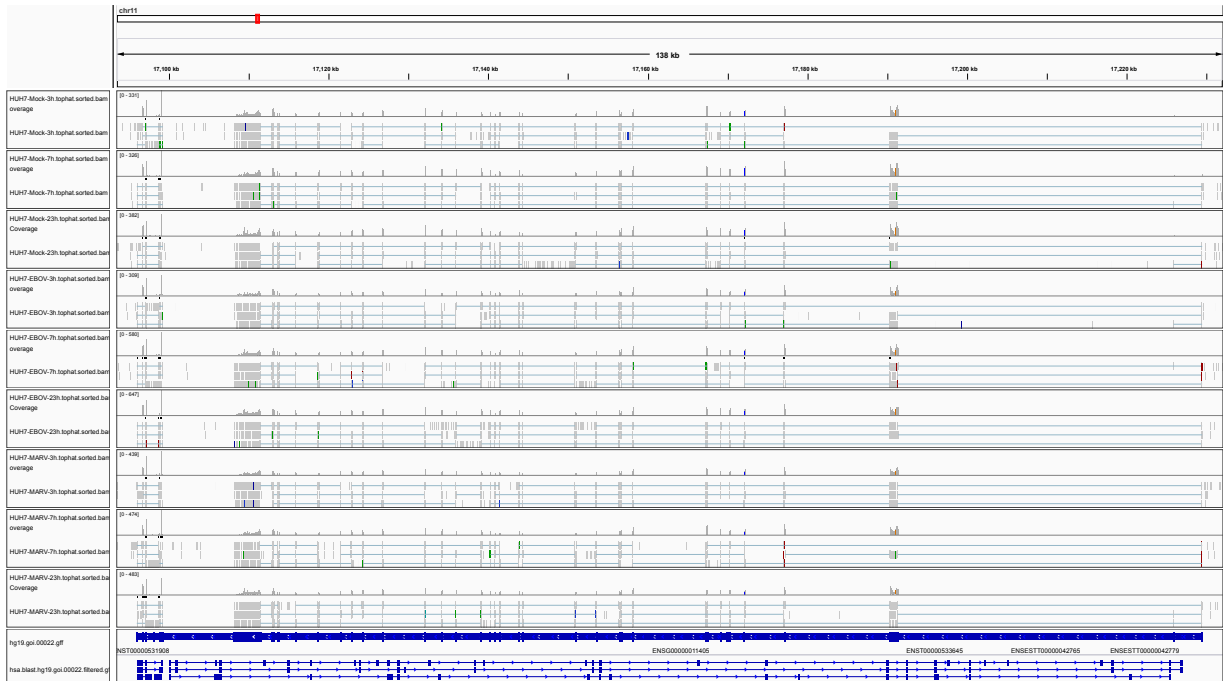


Figure 1: IGV Genome Browser screenshot of gene PIK3C2A.

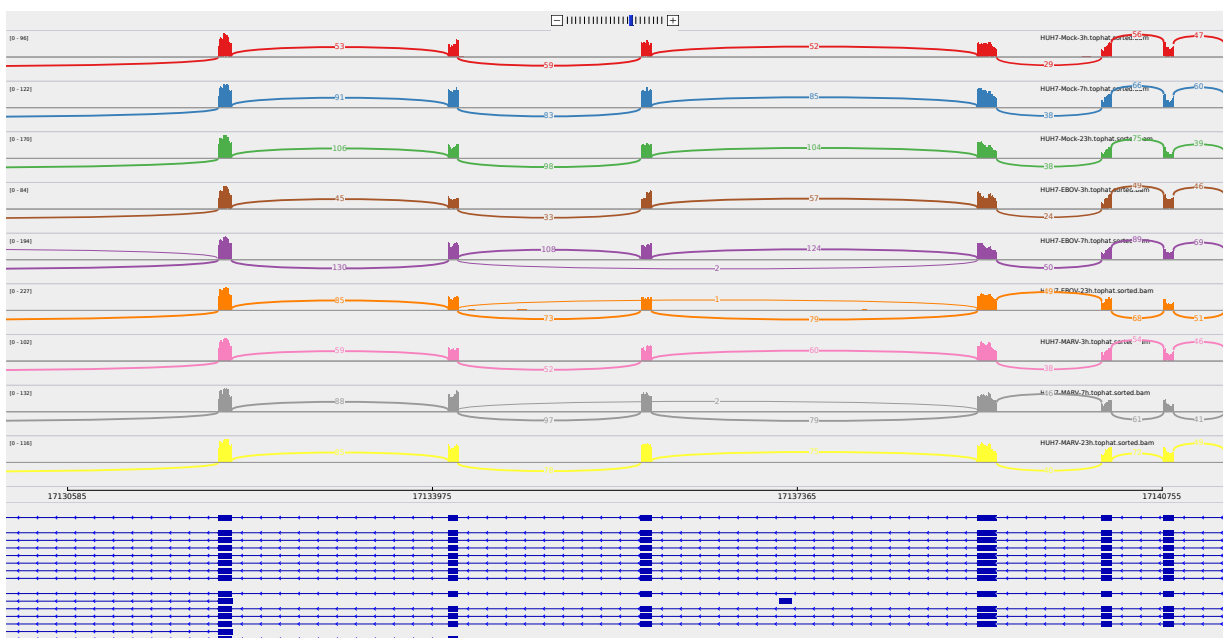


Figure 2: Sashimi plot of gene PIK3C2A.

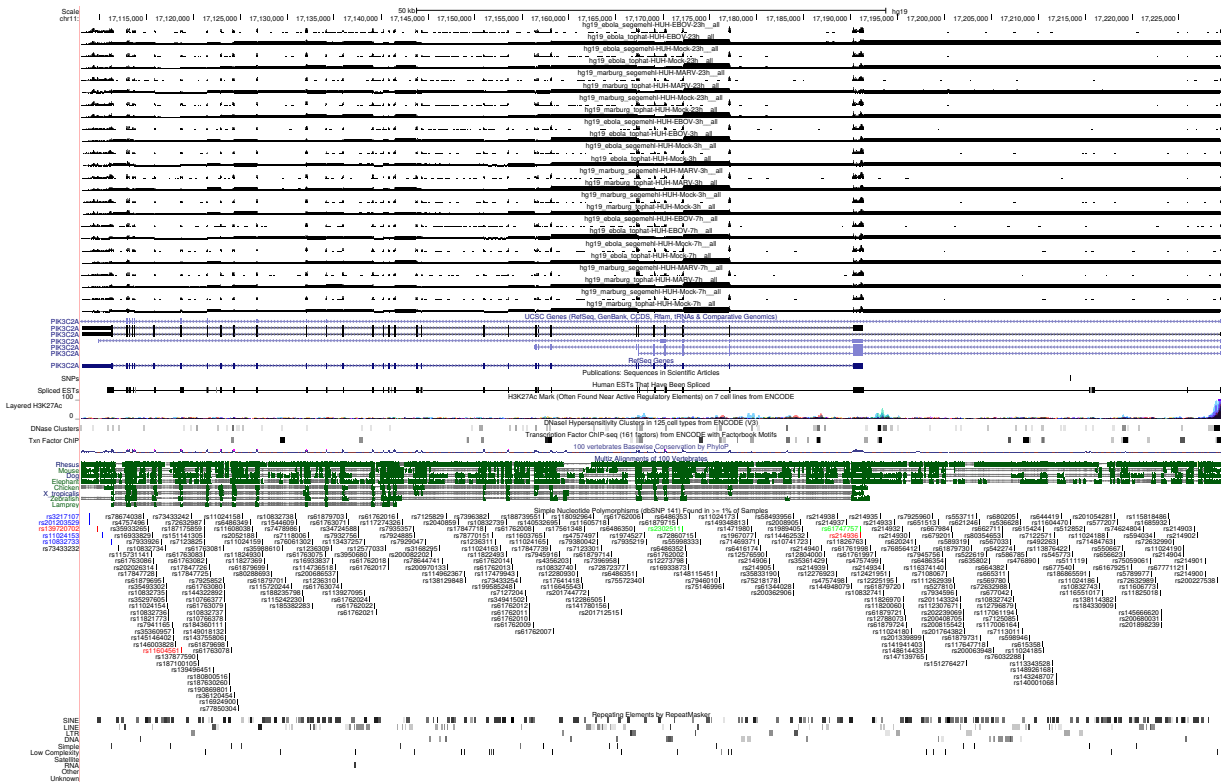


Figure 3: UCSC Genome Browser screenshot of gene PIK3C2A.