

1 THEM4

Homo sapiens thioesterase superfamily member 4 (THEM4) or Protein kinase B (PKB) is a major downstream target of receptor tyrosine kinases that signal via phosphatidylinositol 3-kinase. Upon cell stimulation, PKB is translocated to the plasma membrane, where it is phosphorylated in the C-terminal regulatory domain. The protein encoded by this gene negatively regulates PKB activity by inhibiting phosphorylation. Transcription of this gene is commonly downregulated in glioblastomas.

This gene has no homolog in RAE, but is strongly downregulated during ebola infection. HG19 and HG19 marburg shows similar behaviours, but are less downregulated.

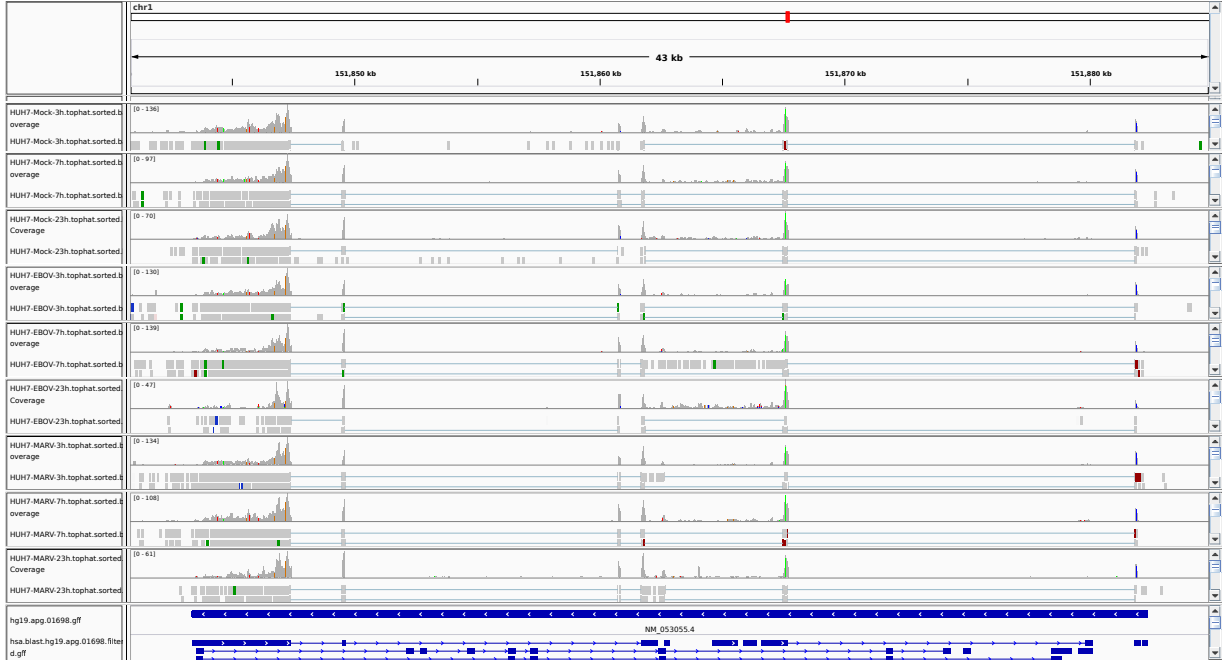


Figure 1: IGV Genome Browser screenshot of gene THEM4.

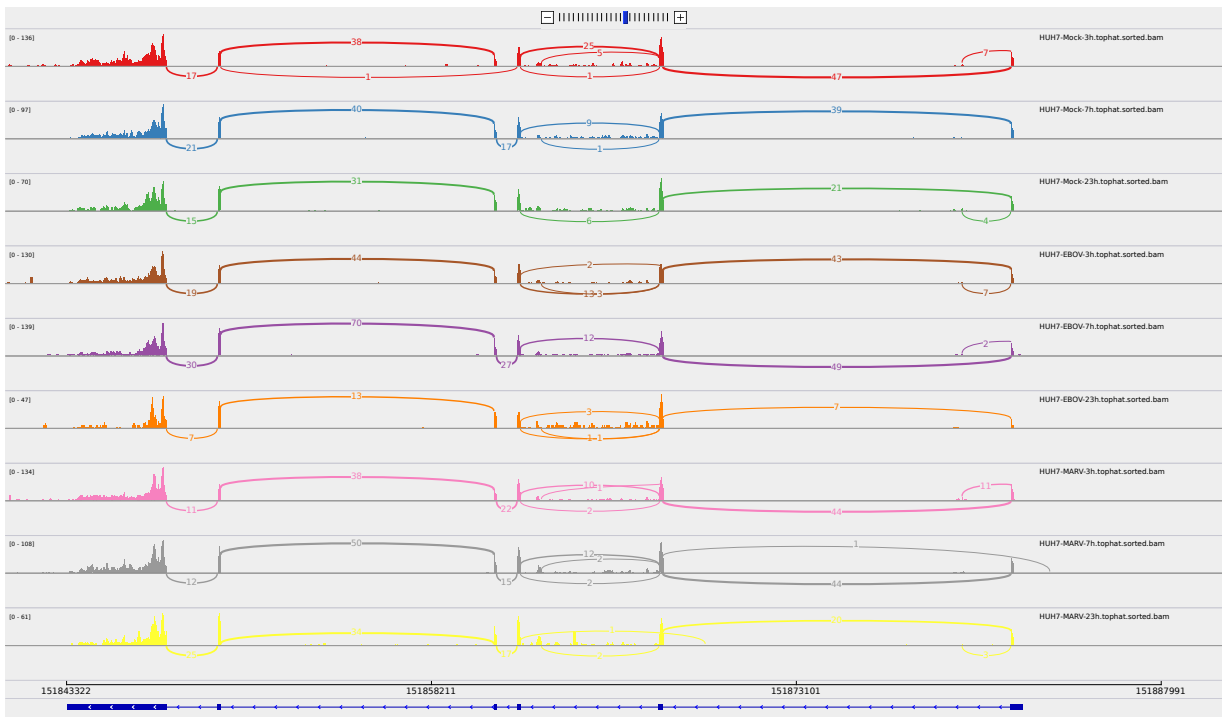


Figure 2: Sashimi plot of gene THEM4.

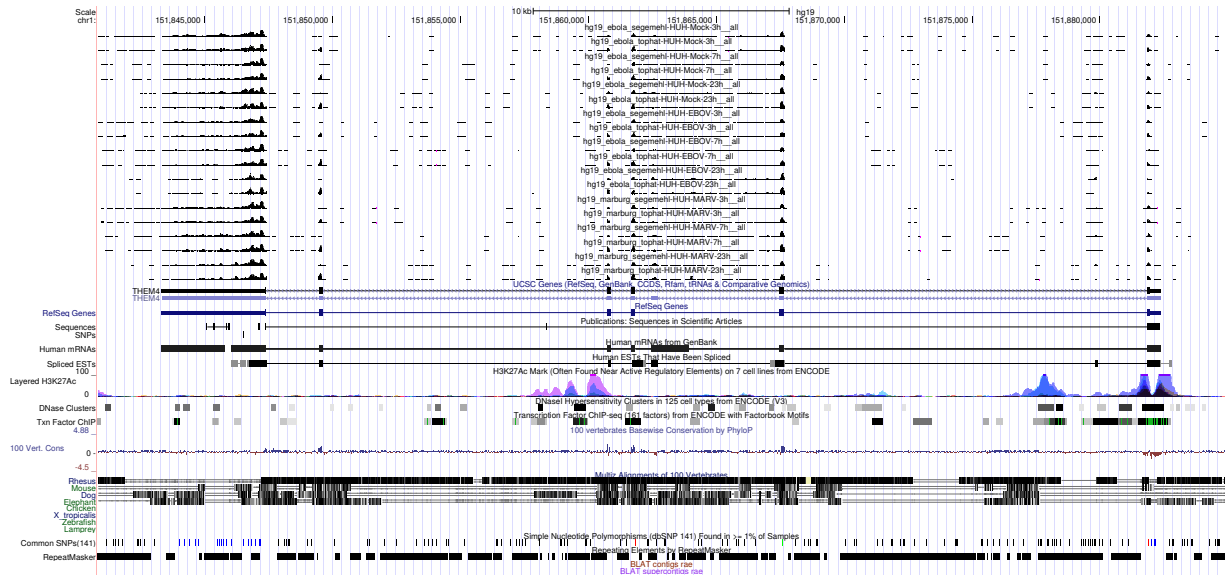


Figure 3: UCSC Genome Browser screenshot of gene THEM4.