1 MAP3K7

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

The gene MAP3K7 is moderately expressed in human and bat datasets. However it seems to be downregulated in bat over time, which can be seen by a 2-fold expression level decrease.

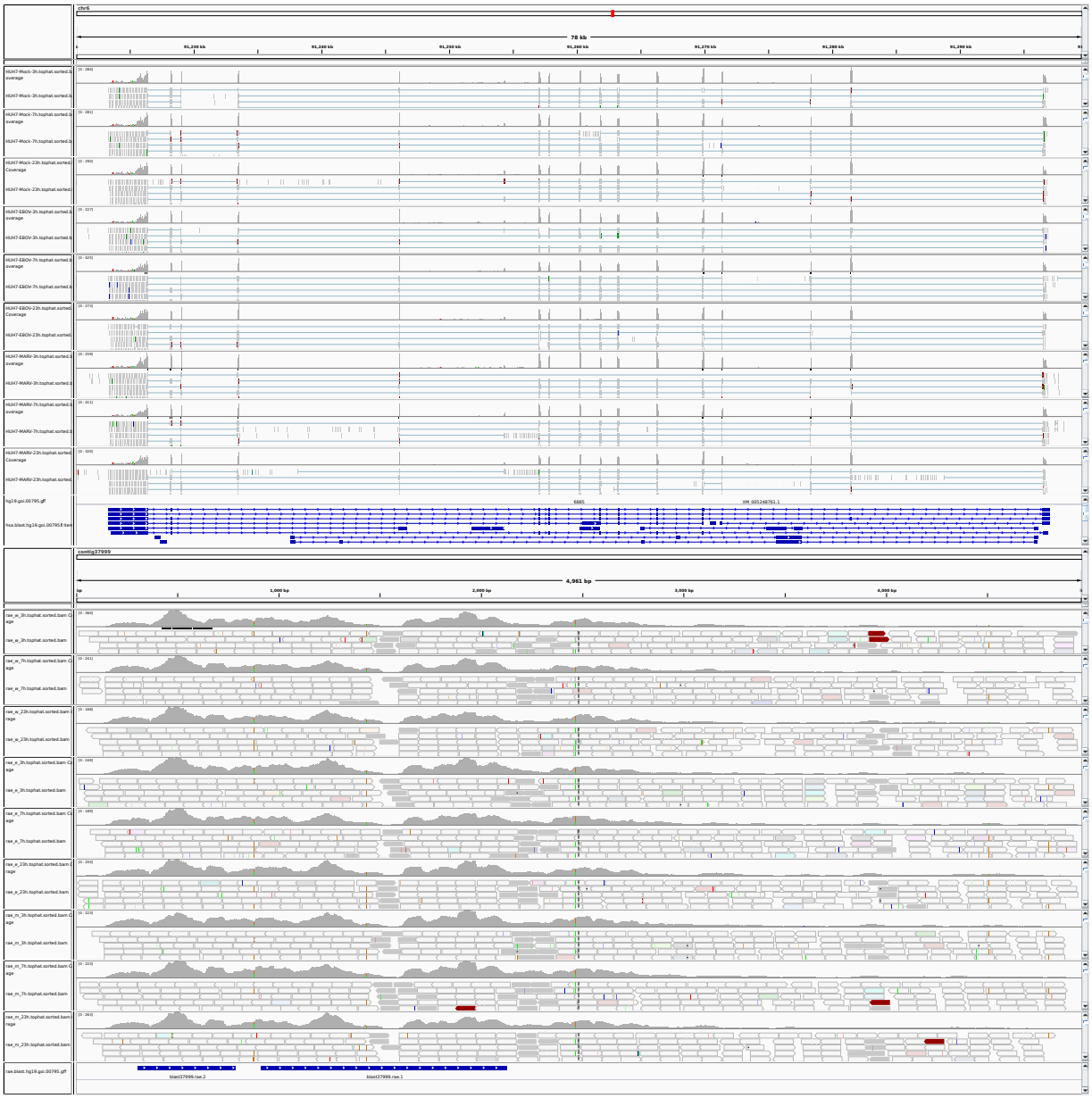

Figure 1: IGV Genome Browser screenshot of gene MAP3K7. Figure two shows the downregulation over time in bat WT cells.

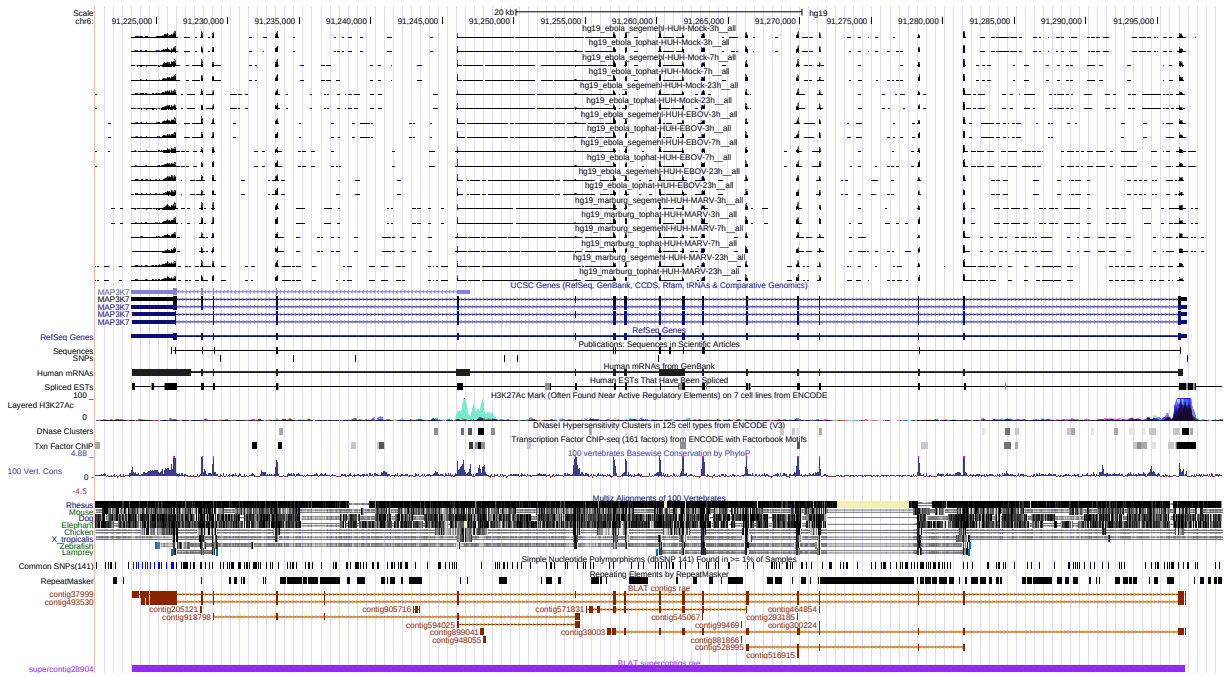

Figure 2: UCSC Genome Browser screenshot of gene MAP3K7.