

1 SKP1

This gene encodes a component of SCF complexes, which are composed of this protein, cullin 1, a ring-box protein, and one member of the F-box family of proteins. This protein binds directly to the F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitination of specific protein substrates, which targets them for degradation by the proteasome. Specific F-box proteins recognize different target protein(s), and many specific SCF substrates have been identified including regulators of cell cycle progression and development. Studies have also characterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene results in two transcript variants. A related pseudo-gene has been identified on chromosome 7. There is some minor downregulation in human and bat with exception to the margburg virus infected bat cells, which are upregulated after 7 hours of infection.

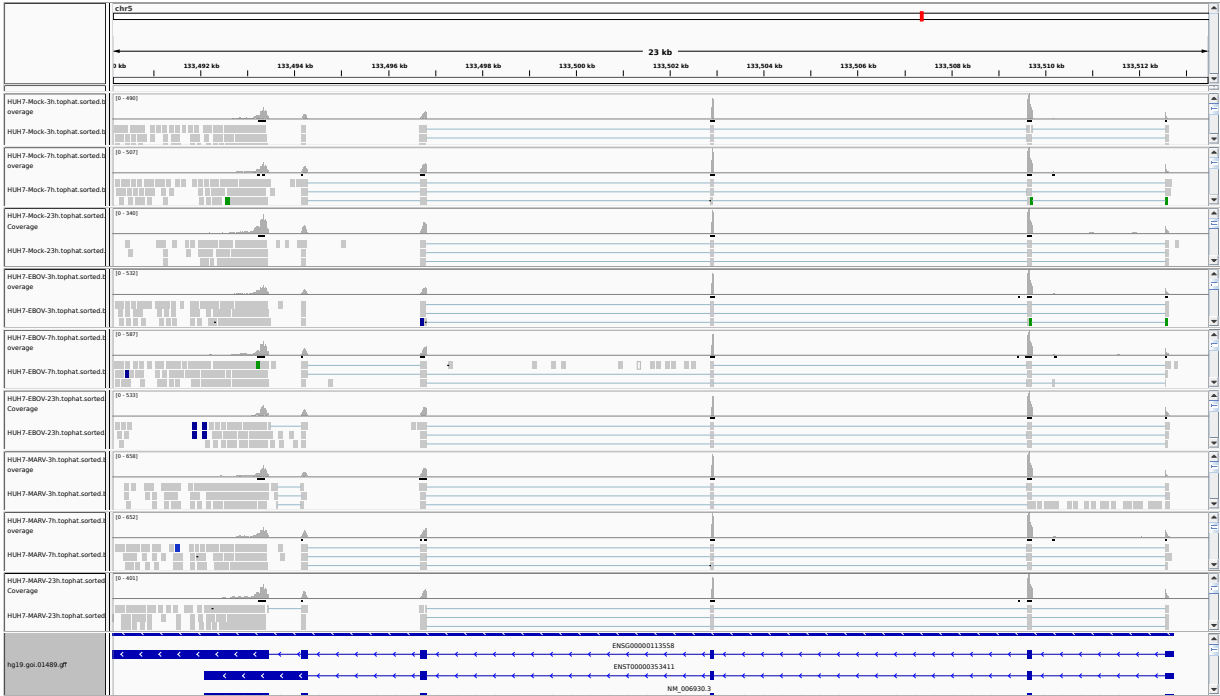


Figure 1: IGV Genome Browser screenshot of gene SKP1.

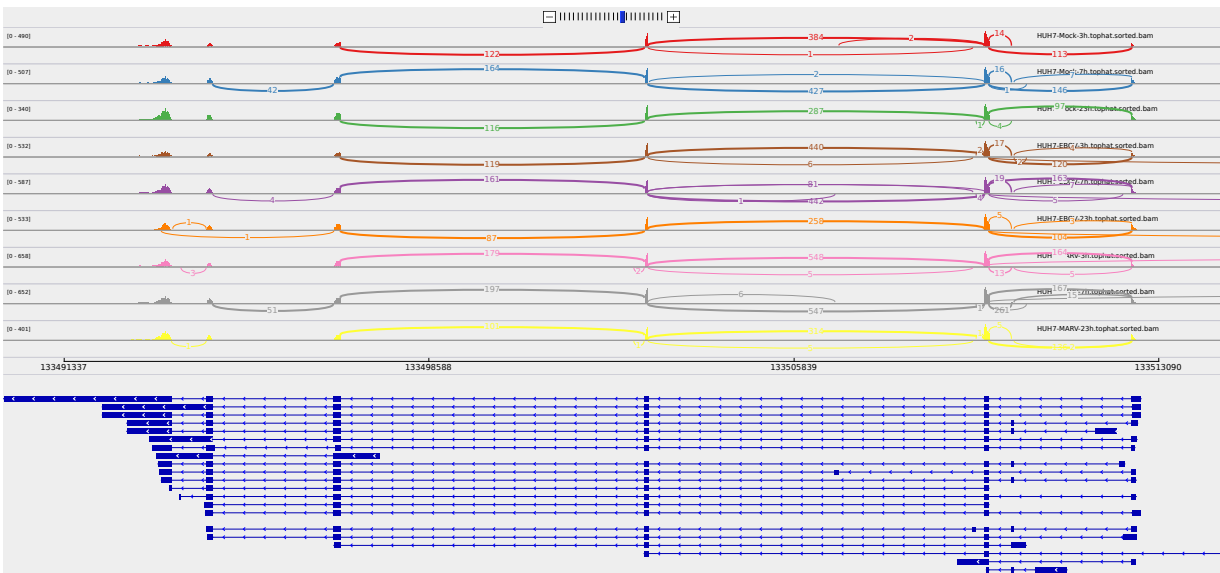


Figure 2: Sashimi plot of gene SKP1.

Figure 3: UCSC Genome Browser screenshot of gene SKP1.