

1 HSPB8

The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.

No homolog in bat was found, but expression in human is medium. In Ebola infected cells after 23 h this gene is 7fold, in Marburg infected cells after 23 h it is slightly upregulated.

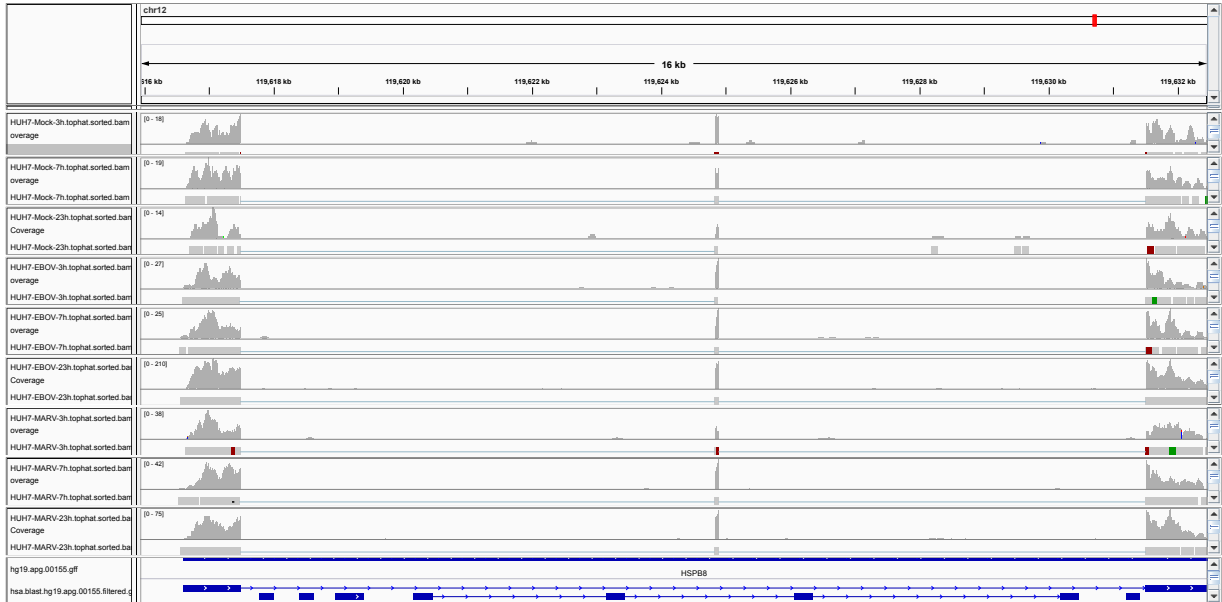


Figure 1: IGV Genome Browser screenshot of gene HSPB8.

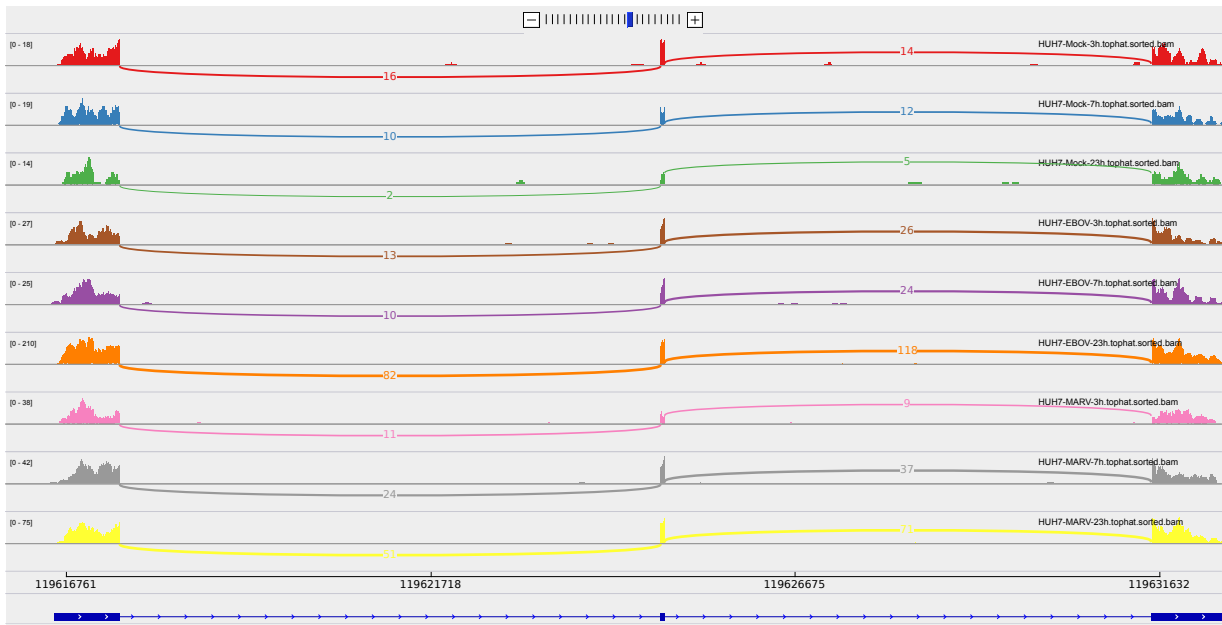


Figure 2: Sashimi plot of gene HSPB8.

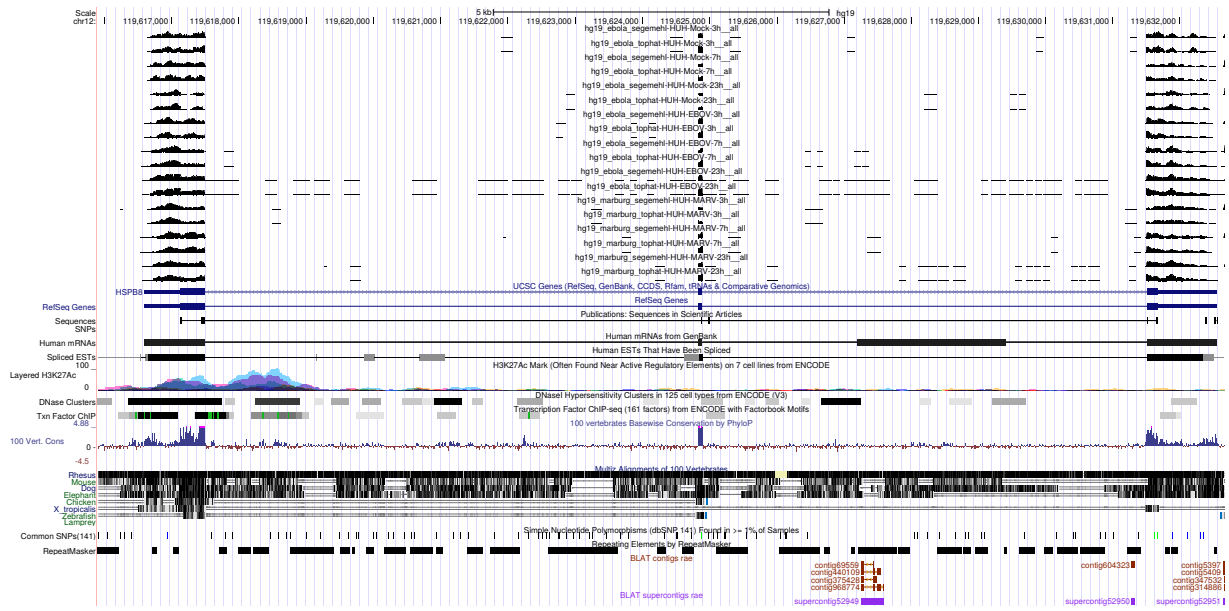


Figure 3: UCSC Genome Browser screenshot of gene HSPB8.