

1 VPS36

Homo sapiens vacuolar protein sorting 36 homolog (*S. cerevisiae*) (VPS36). Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. Its ability to bind ubiquitin probably plays a role in endosomal sorting of ubiquitinated cargo proteins by ESCRT complexes. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. Binds phosphoinositides such as PtdIns(3,4,5)P3. VPS36 shows a slightly down regulation in human EBOV/MARV at 23h post infection. A similar pattern could be observed within the bat.

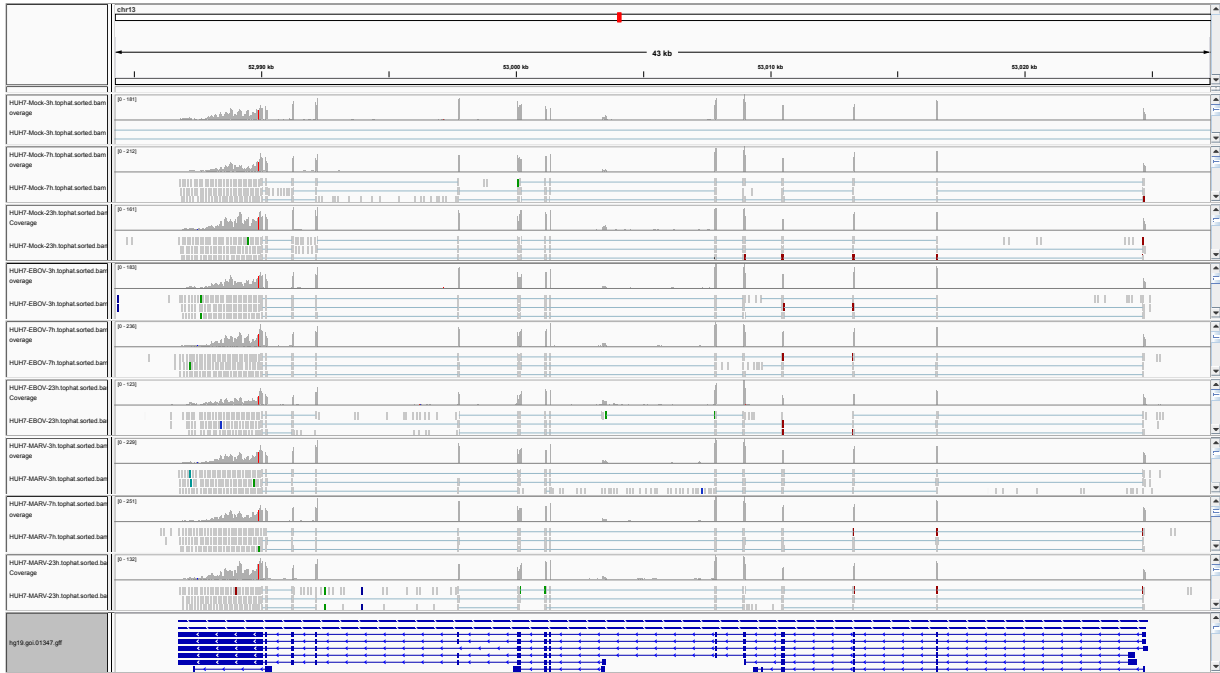


Figure 1: IGV Genome Browser screenshot of gene VPS36.

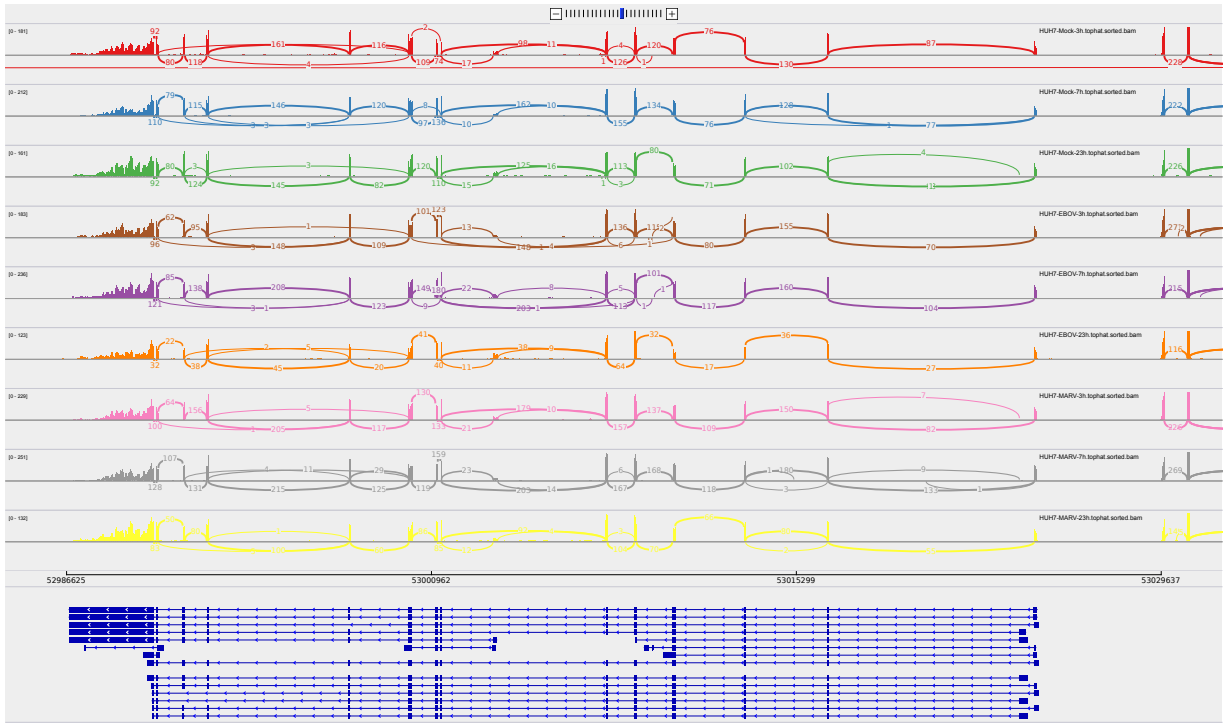


Figure 2: Sashimi plot of gene VPS36.

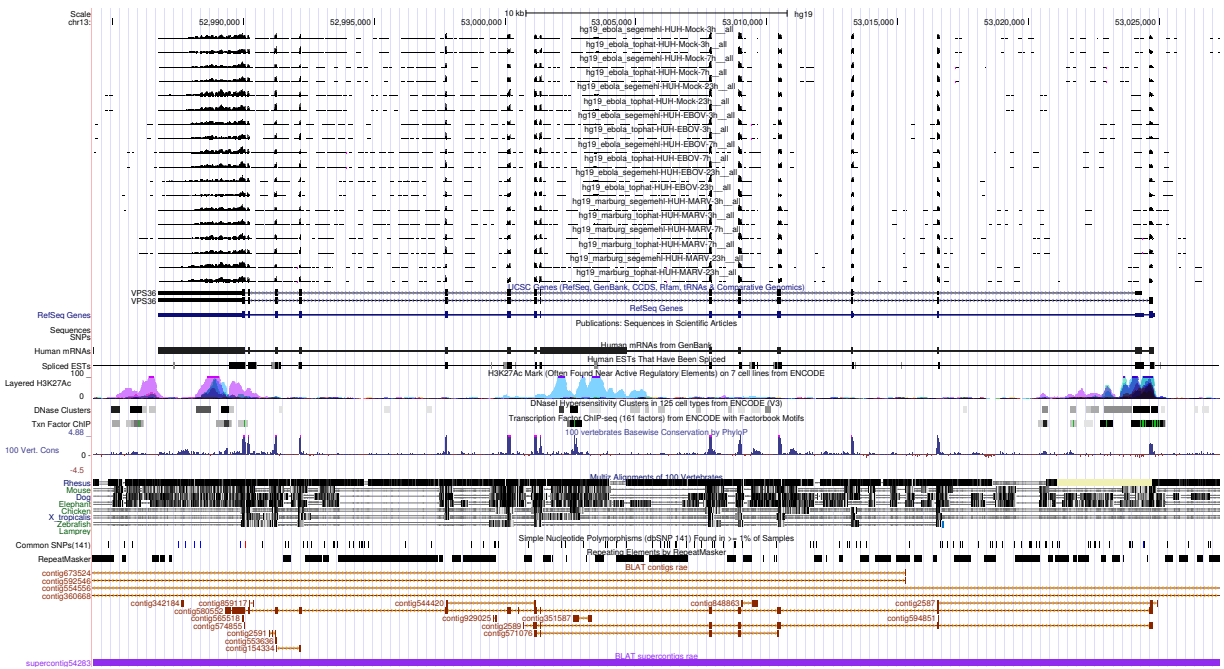


Figure 3: UCSC Genome Browser screenshot of gene VPS36.