

# 1 VPS45

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast *Vps45*. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. Multiple alternatively spliced transcript variants have been found for this gene.

Expression in all samples, some variation in human.

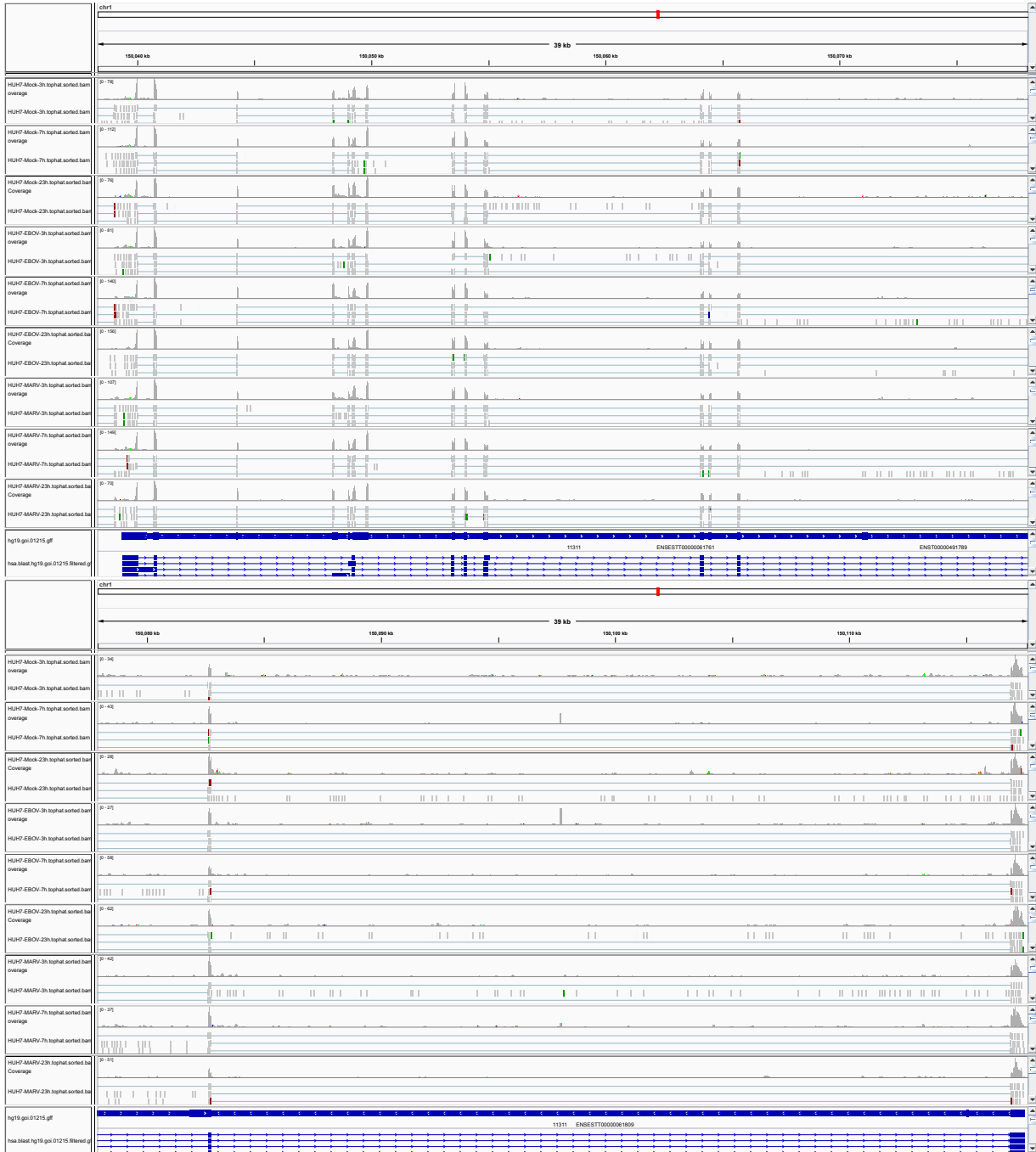


Figure 1: IGV Genome Browser screenshot of gene VPS45.

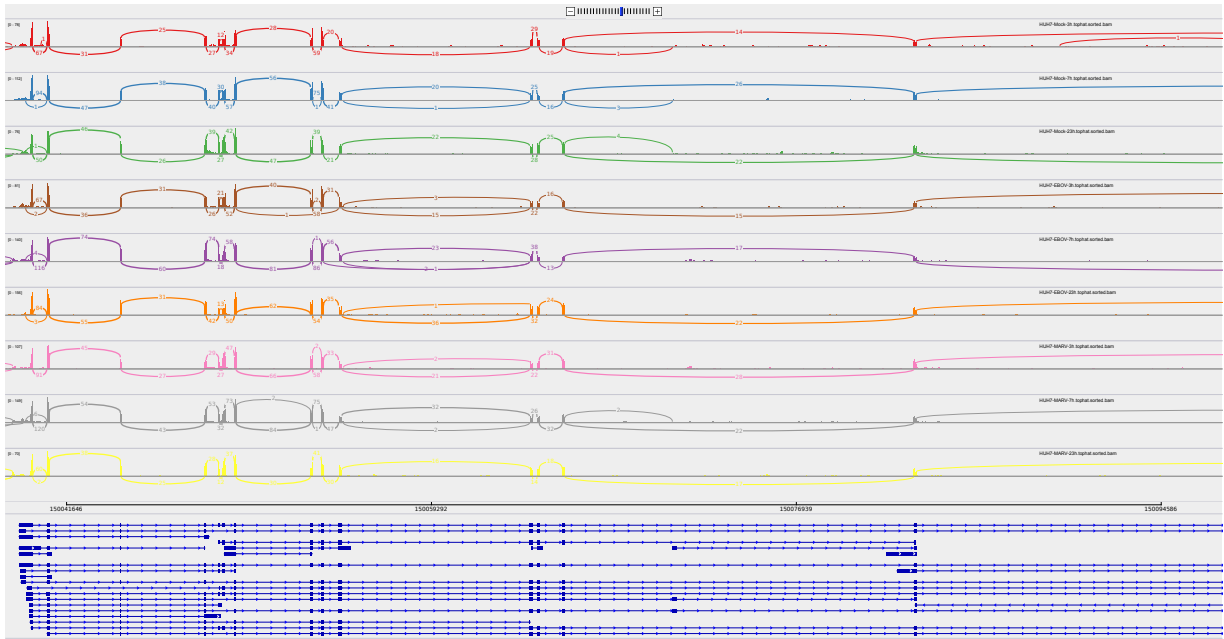


Figure 2: Sashimi plot of gene VPS45.

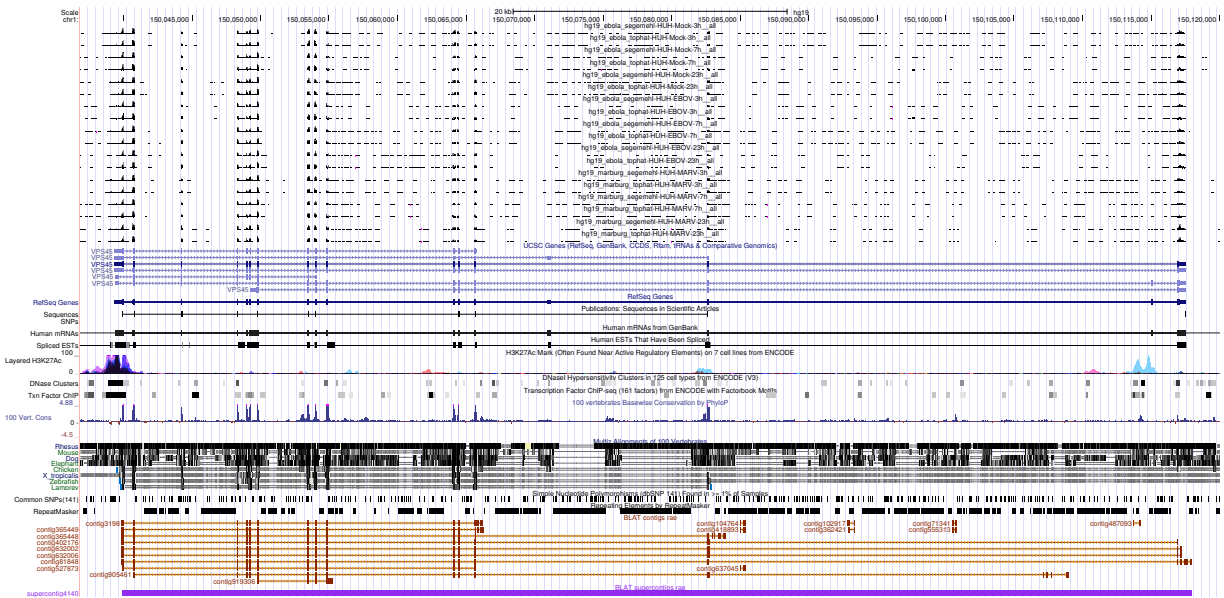


Figure 3: UCSC Genome Browser screenshot of gene VPS45.