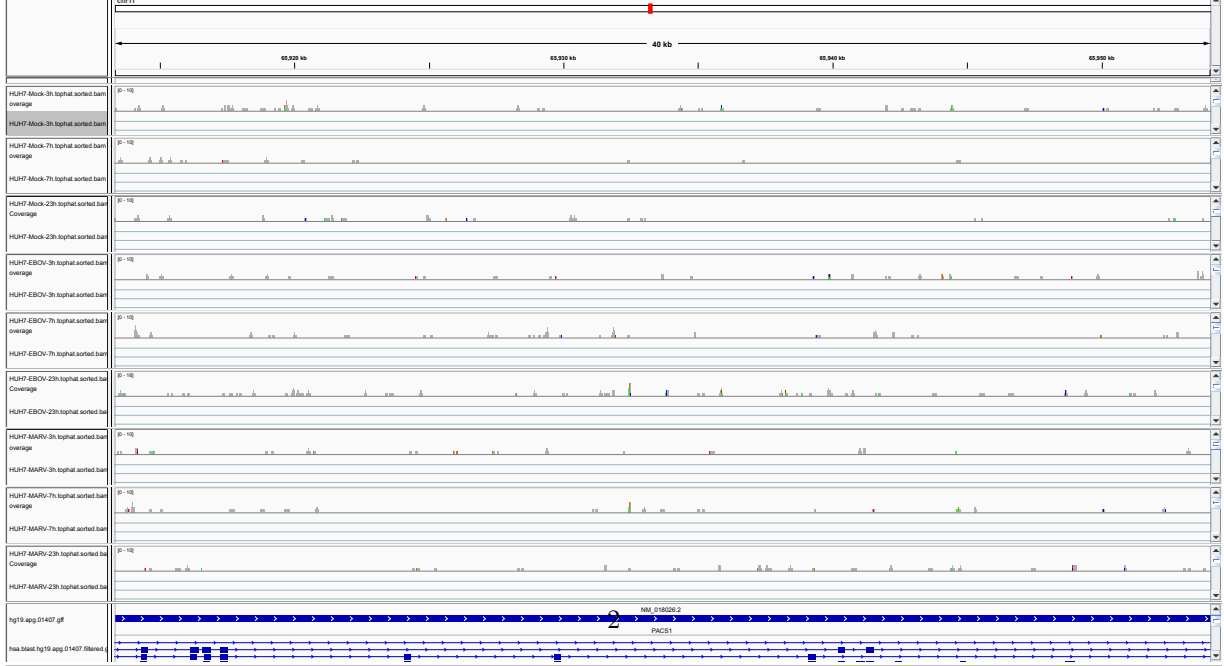
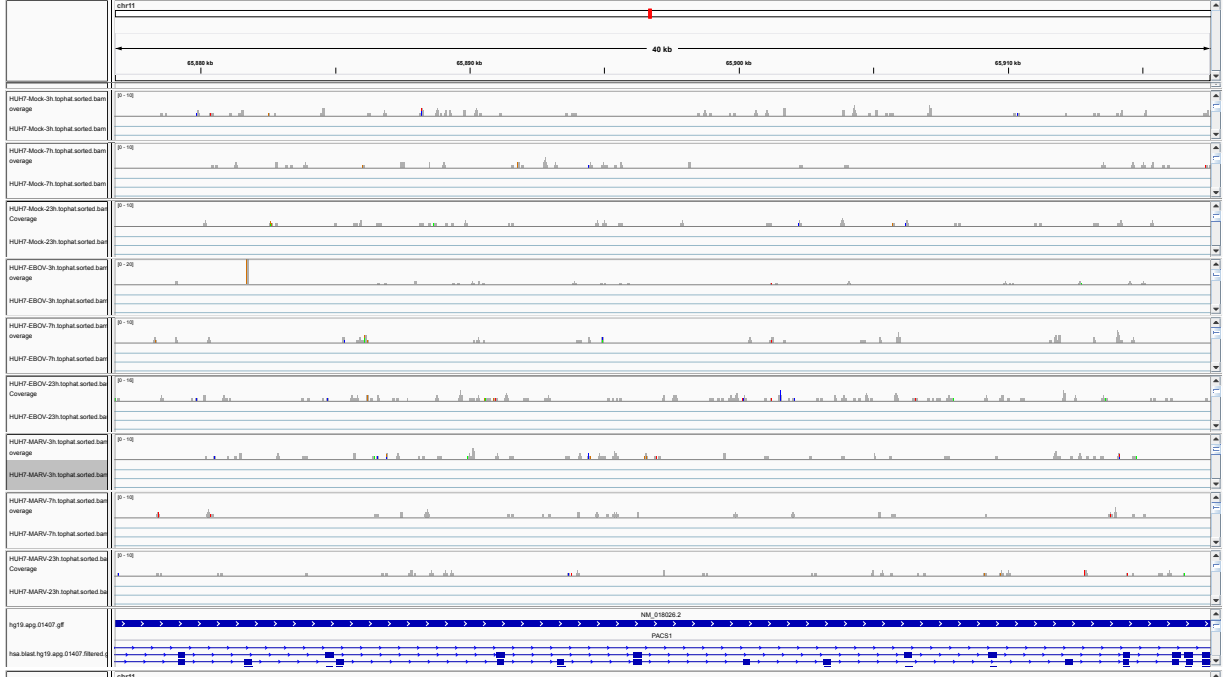
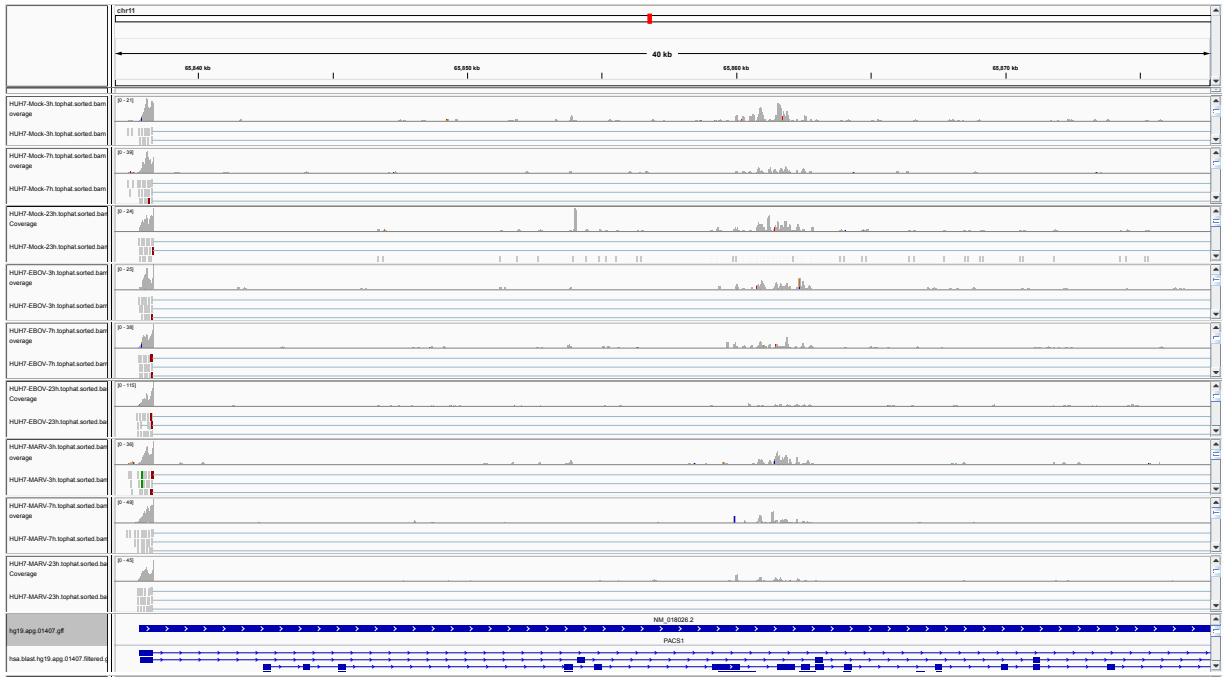


1 PACS1

The gene PACS1 encodes a protein with a putative role in the localization of trans-Golgi network (TGN) membrane proteins. Mouse and rat homologs have been identified and studies of the homologous rat protein indicate a role in directing TGN localization of furin by binding to the protease's phosphorylated cytosolic domain. In addition, the human protein plays a role in HIV-1 Nef-mediated downregulation of cell surface MHC-I molecules to the TGN, thereby enabling HIV-1 to escape immune surveillance.

For this gene only weak changes concerning the differential expression could be observed. For the 23 h probe of Ebola infected cells an upregulation took place, whereas the ones infected with the Marburg virus were slightly downregulated.



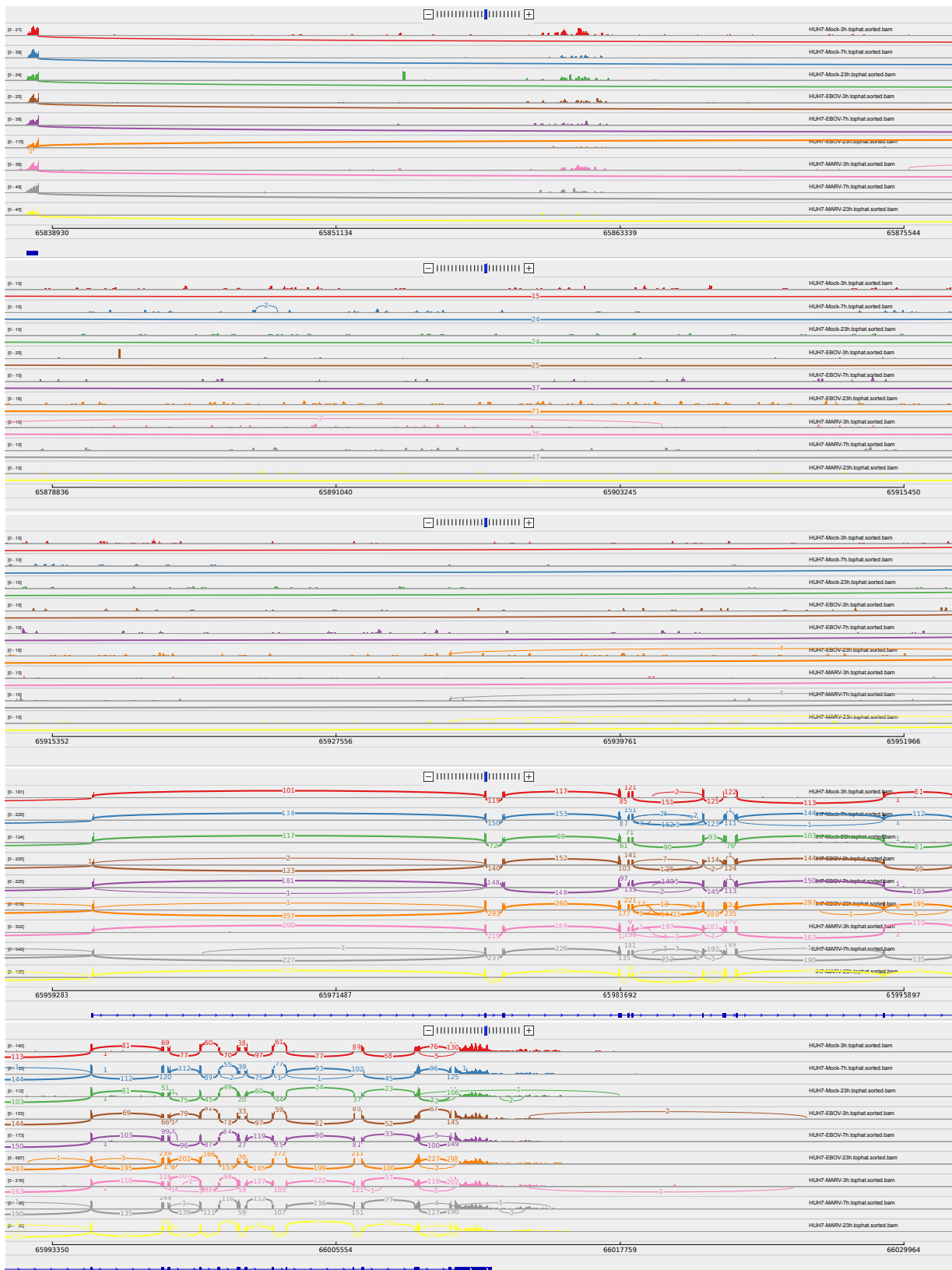


Figure 2: Sashimi plot of gene PACS1.



Figure 3: UCSC Genome Browser screenshot of gene PACS1.