1 CCR6

This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dentritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene.

It is downregulated in human after 23 h of Ebola virus and Marburg virus infection, but no homolog was found in bat.

Figure 1: IGV Genome Browser screenshot of gene CCR6.

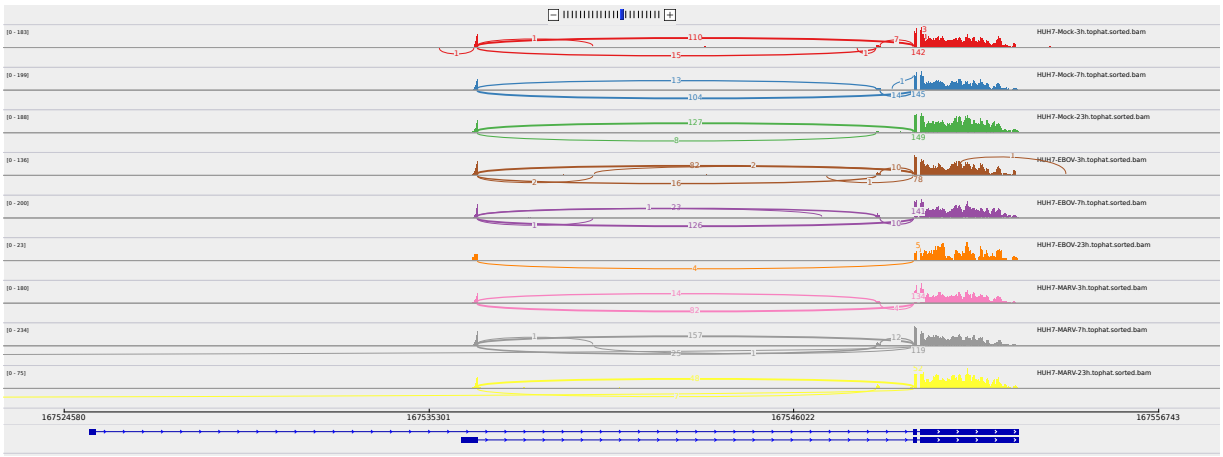

Figure 2: Sashimi plot of gene CCR6.

Figure 3: UCSC Genome Browser screenshot of gene CCR6.