1 FLCN

The folliculin (FLCN) gene is located within the Smith-Magenis syndrome region on chromosome 17. Mutations in this gene are associated with Birt-Hogg-Dube syndrome, which is characterized by fibrofolliculomas, renal tumors, lung cysts, and pneumothorax. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

The FLCN gene is strongly up-regulated in human in Ebola virus infected cells and moderately up-regulated in Marburg virus infected cells. In bat cells and not infected human cells no differential expression is observed.

Figure 1: IGV Genome Browser screenshot of gene FLCN.

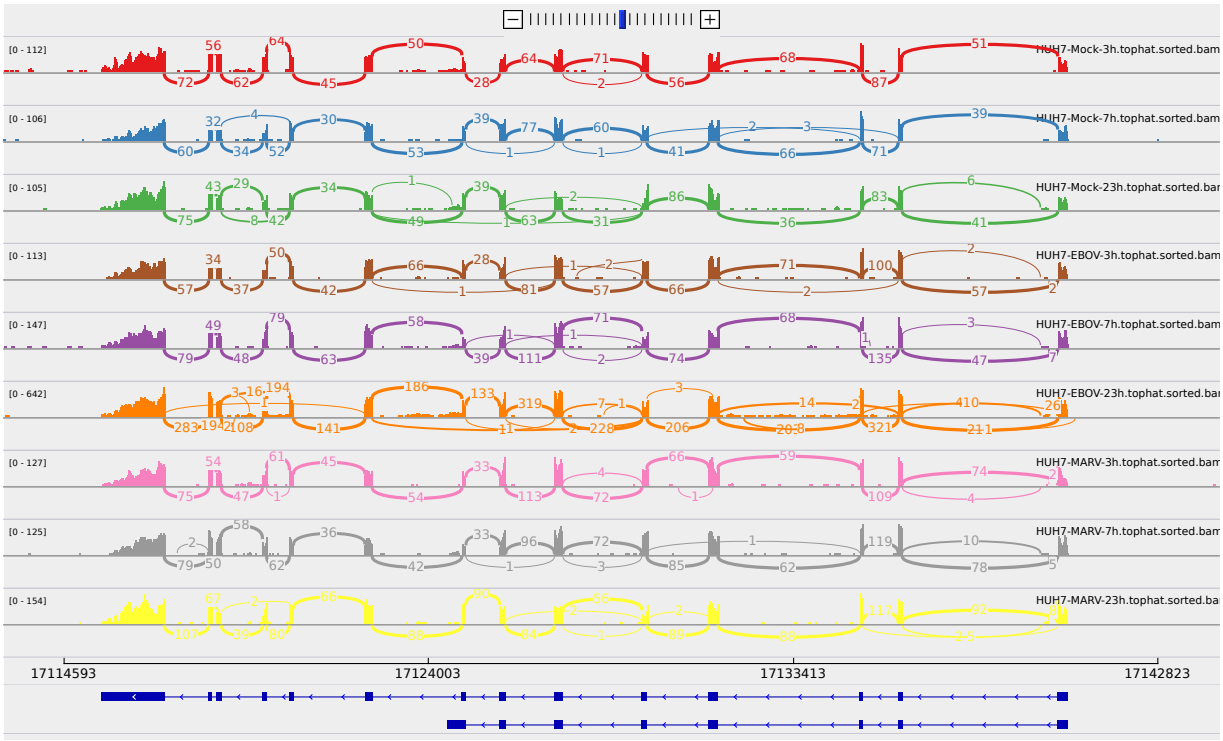

Figure 2: Sashimi plot of gene FLCN.

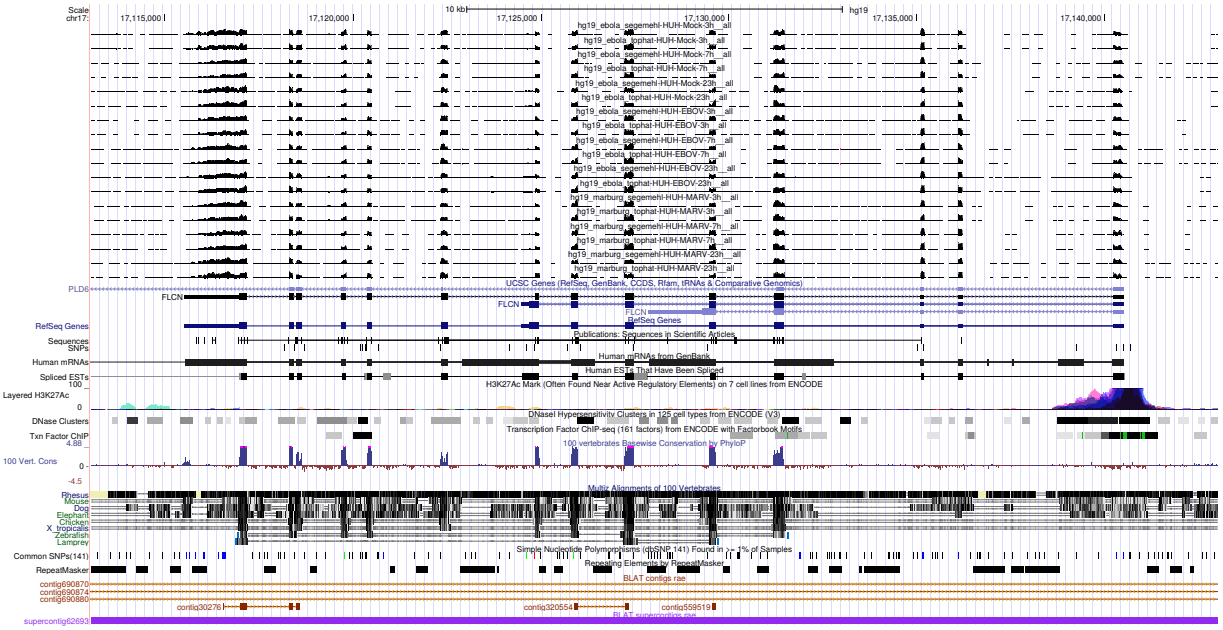

Figure 3: UCSC Genome Browser screenshot of gene FLCN.