1 CLDN9

CLDN9 encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This protein is one of the entry cofactors for hepatitis C virus. Mouse studies revealed that this gene is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness.

For this gene only in Ebola 23 h infected probe few reads mapped. In the other probes no expression took place.

Figure 1: IGV Genome Browser screenshot of gene CLDN9.

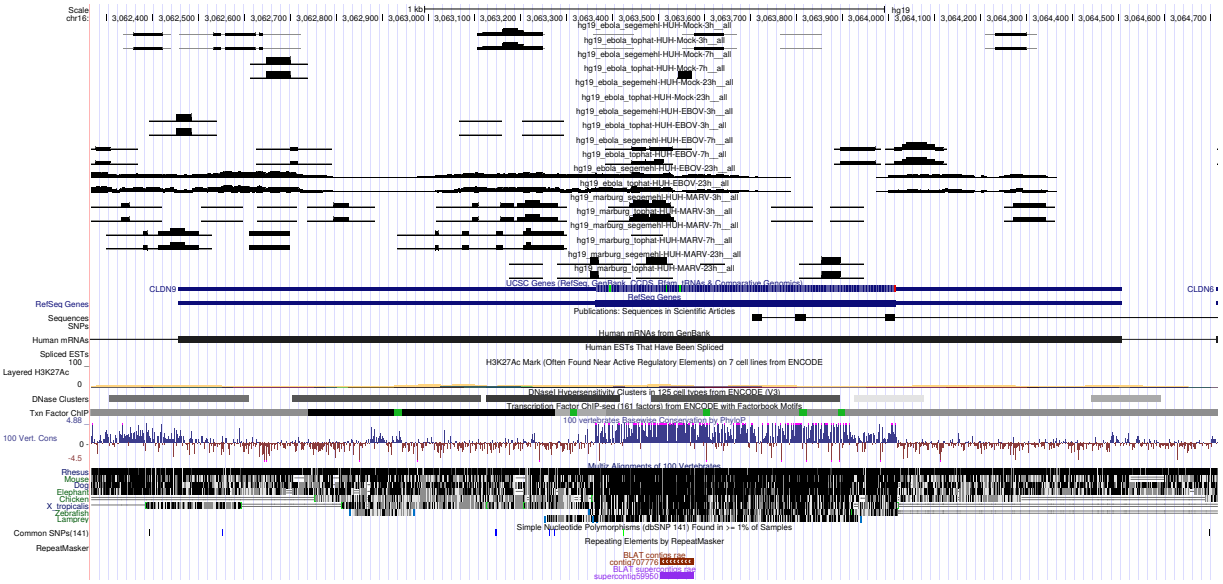

Figure 2: UCSC Genome Browser screenshot of gene CLDN9.