

1 PCDH@

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected.

Gene well expressed in human, highly downregulated in human after Ebola infection. Stably expressed in bat.

Figure 1: IGV Genome Browser screenshot of gene PCDH@.

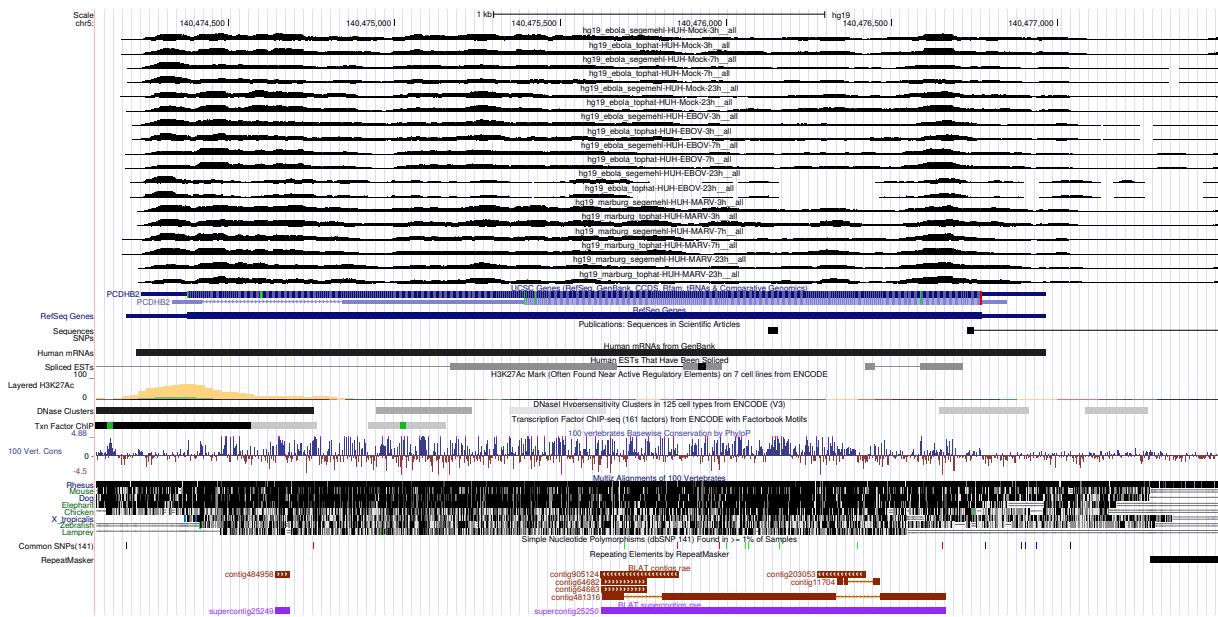


Figure 2: UCSC Genome Browser screenshot of gene PCDH@.