

# 1 CALD1

The gene CALD1 is well expressed in human and very well expressed in bat datasets. Furthermore expression levels in human in general rise while they decrease in bat for the ebola dataset. This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. (provided by RefSeq, Jul 2008)

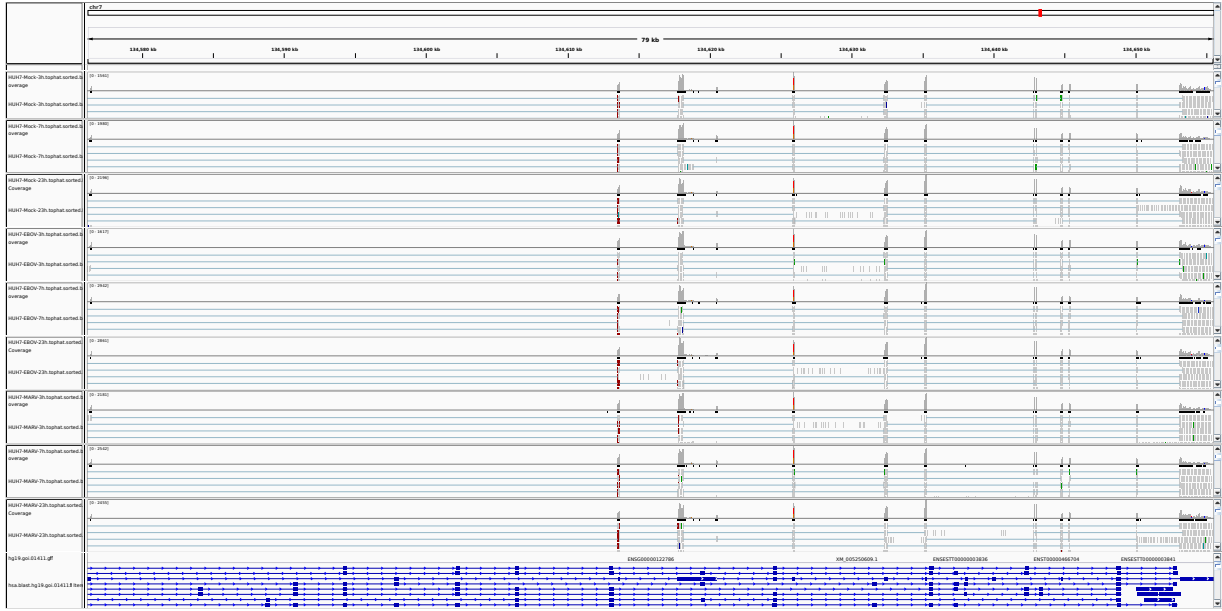


Figure 1: IGV Genome Browser screenshot of gene CALD1.

Figure 2: Sashimi plot of gene CALD1.

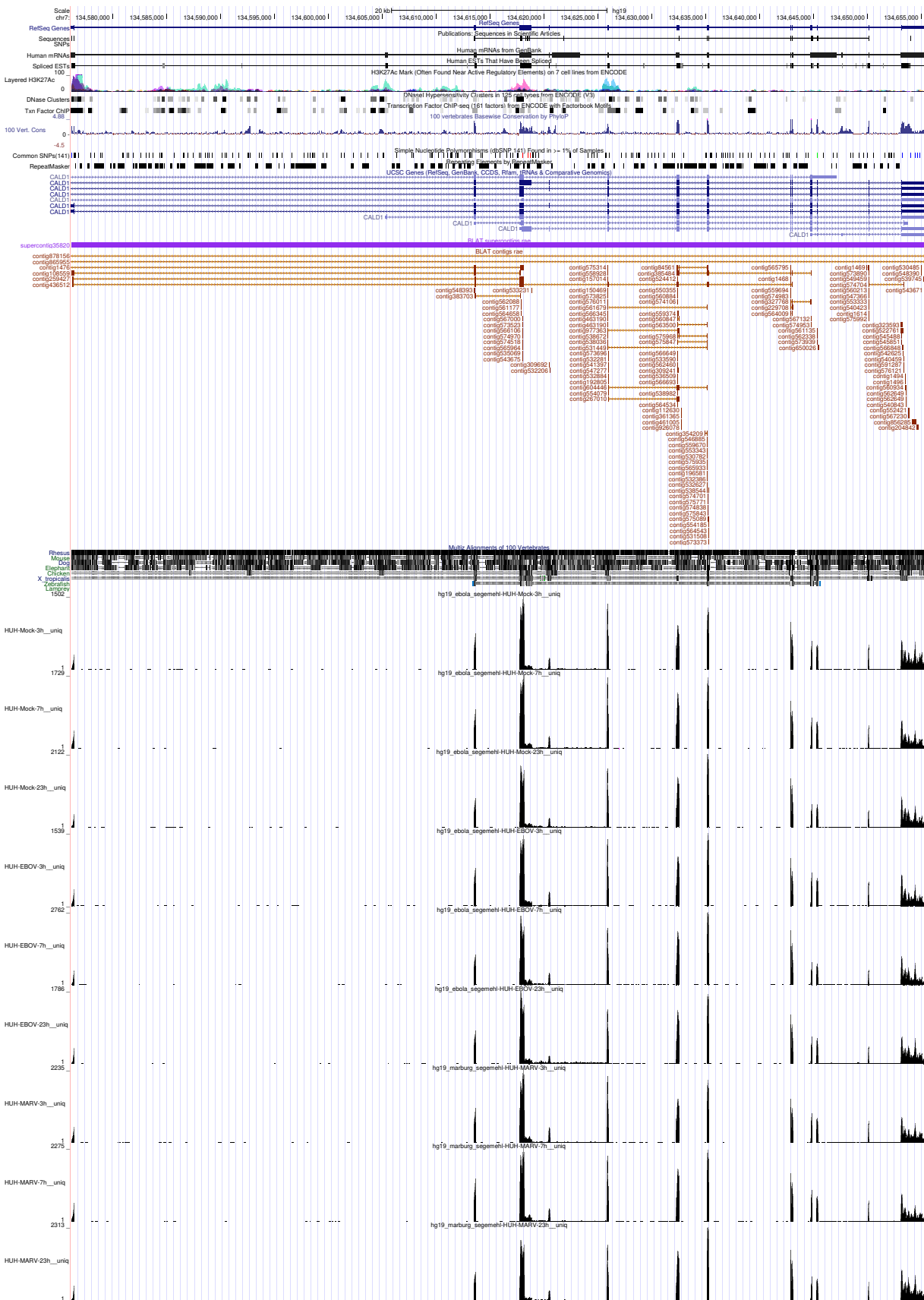


Figure 3: UCSC Genome Browser screenshot of gene CALD1.