

# 1 COL3A1

The gene COL3A1 is almost not expressed in human but strongly expressed in bat throughout all datasets. While expression first goes down and then increases in bat ebola infected cells, it increases first and then goes down in marburg infected cells.

This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. (provided by R. Dalgleish, Feb 2008)

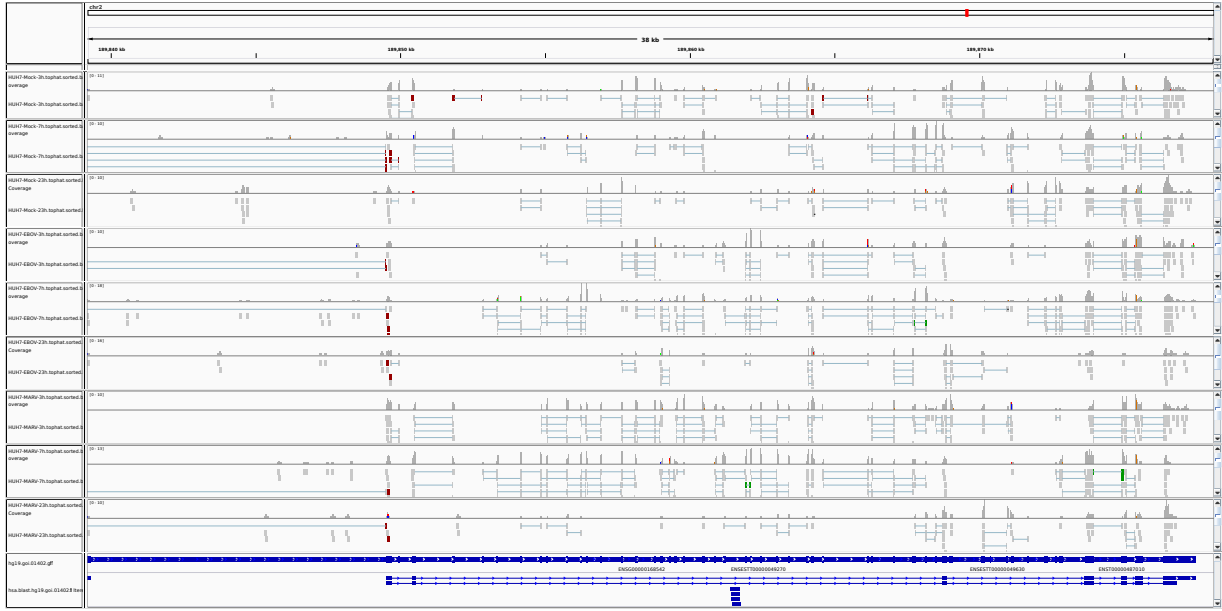


Figure 1: IGV Genome Browser screenshot of gene COL3A1.

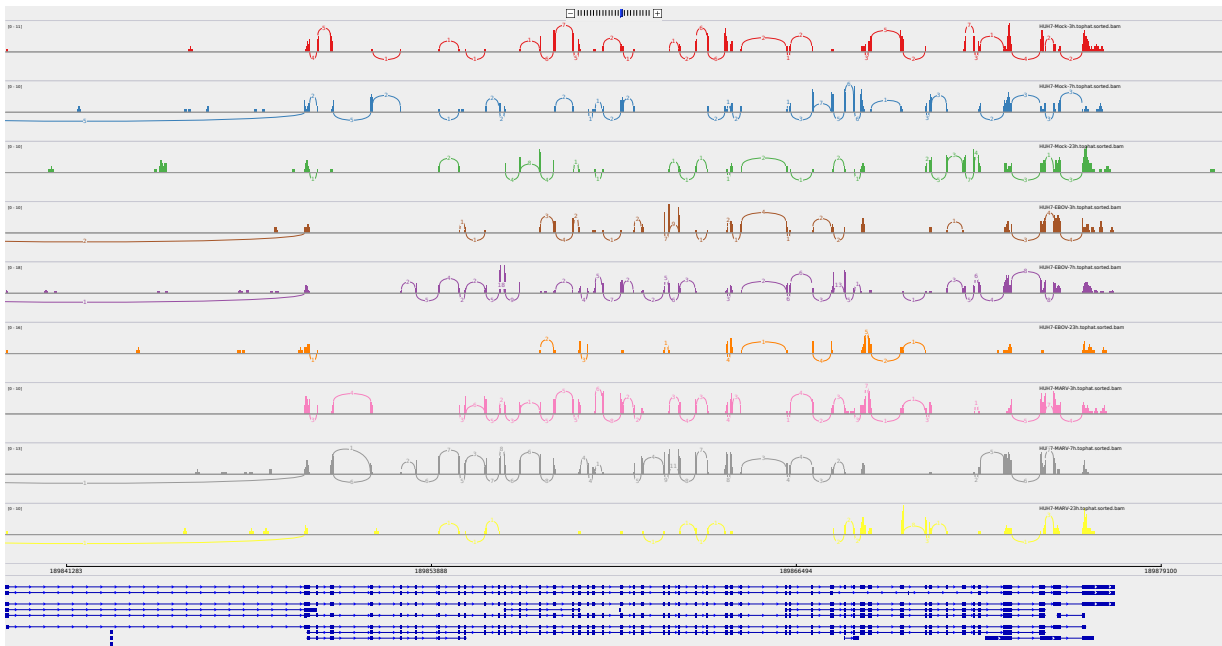


Figure 2: Sashimi plot of gene COL3A1.

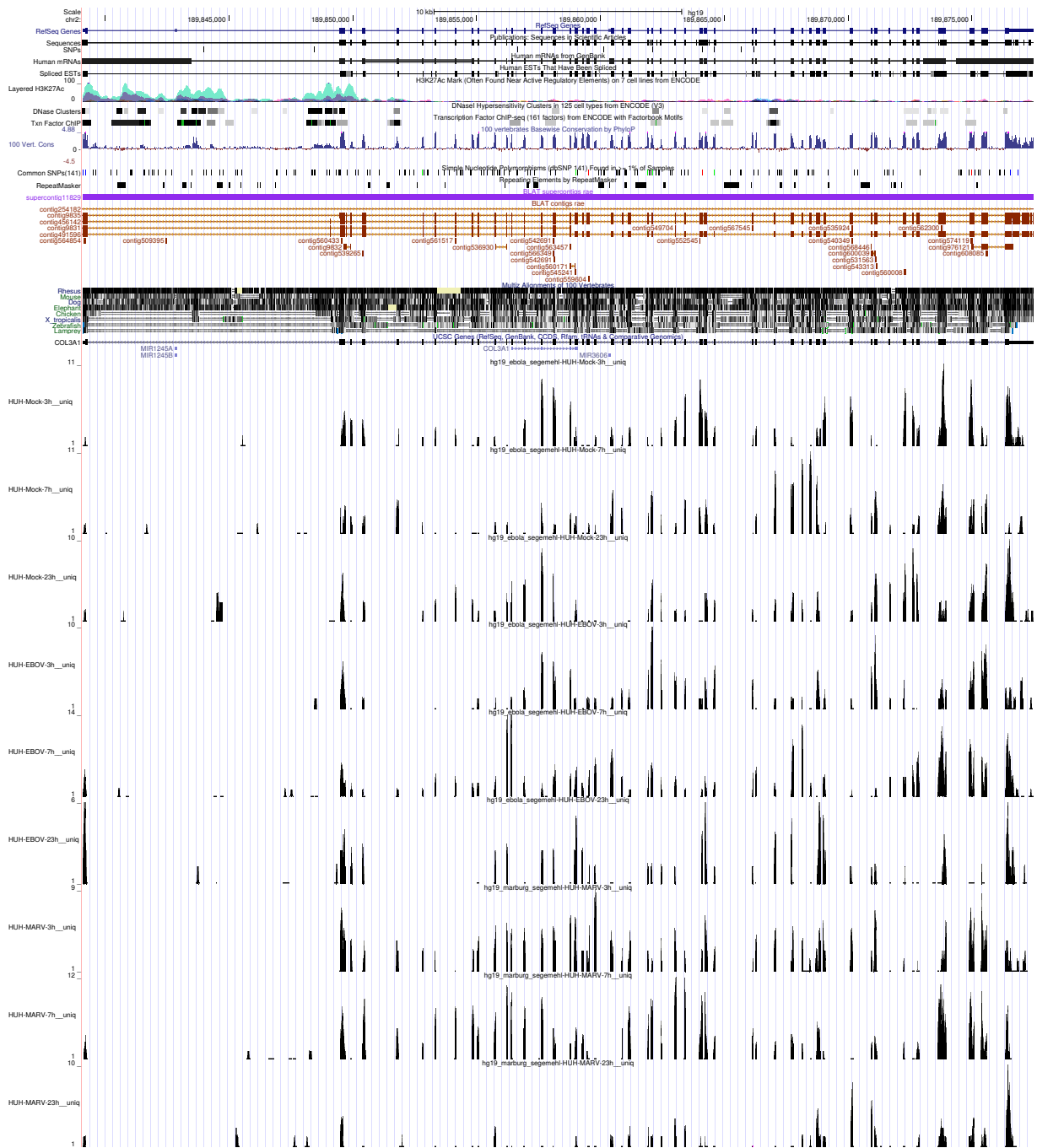


Figure 3: UCSC Genome Browser screenshot of gene COL3A1.