

# 1 TLR6

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. A Ser249Pro polymorphism in the extracellular domain of the encoded protein may be associated with an increased of asthma in some populations.

Generally very low expression visible in human and no homolog in the bat. There might be an a very minor increase in expression in human Marburg-infected cells.

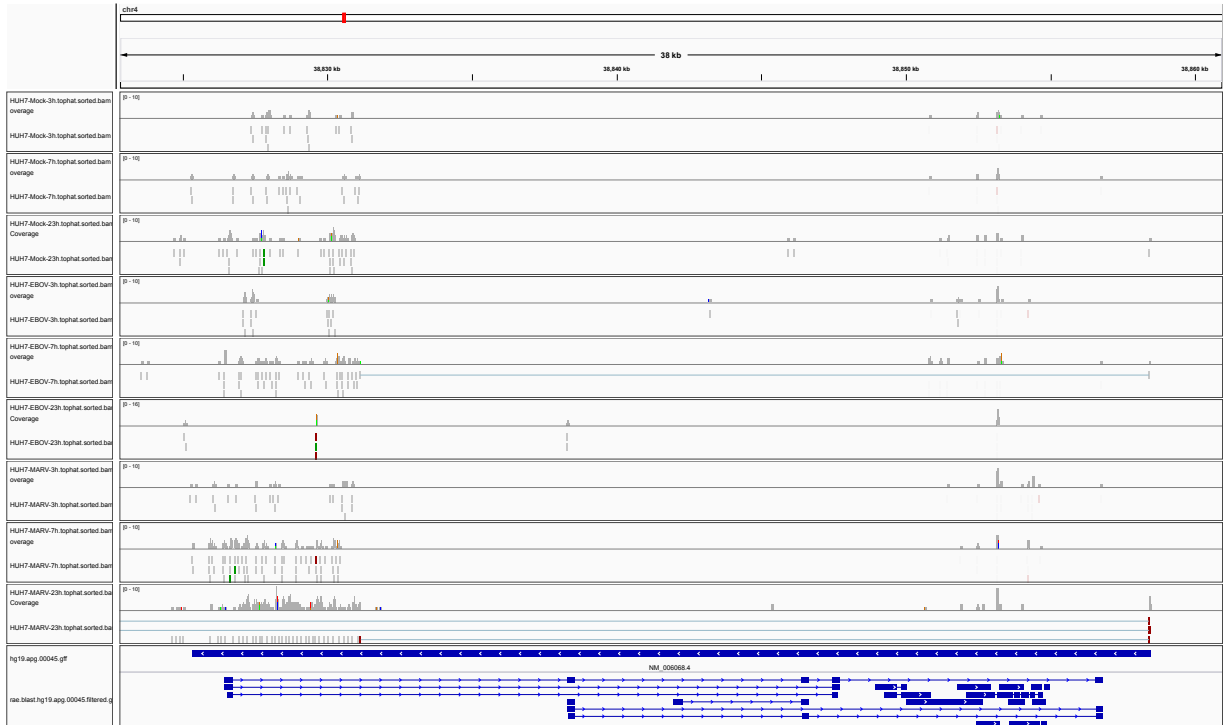


Figure 1: IGV Genome Browser screenshot of gene TLR6.

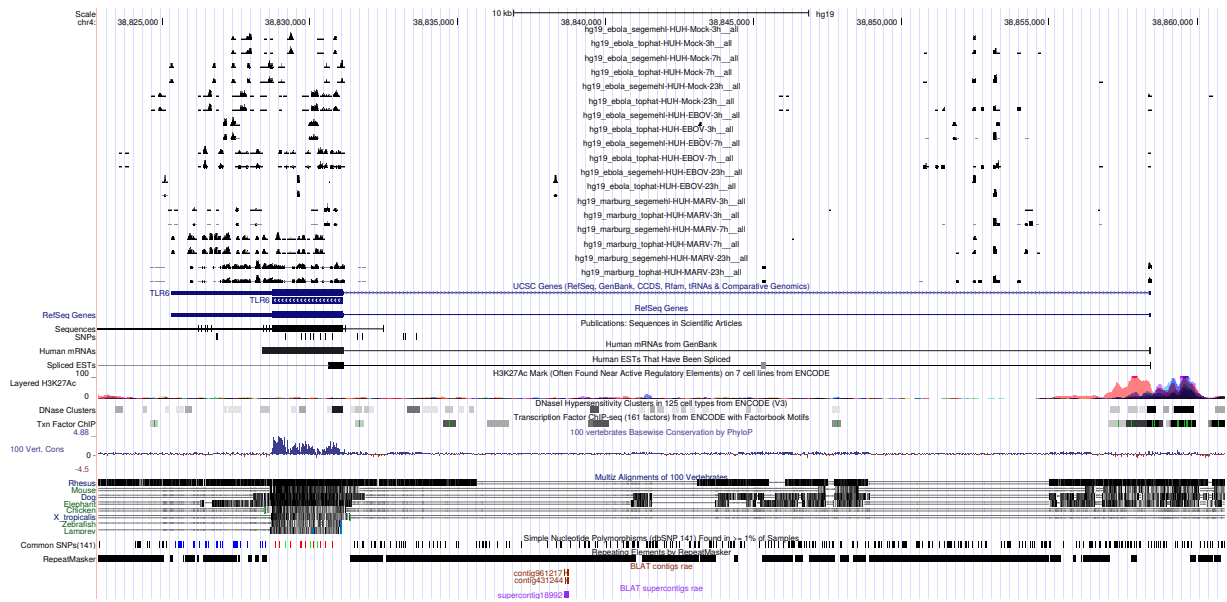


Figure 2: UCSC Genome Browser screenshot of gene TLR6.