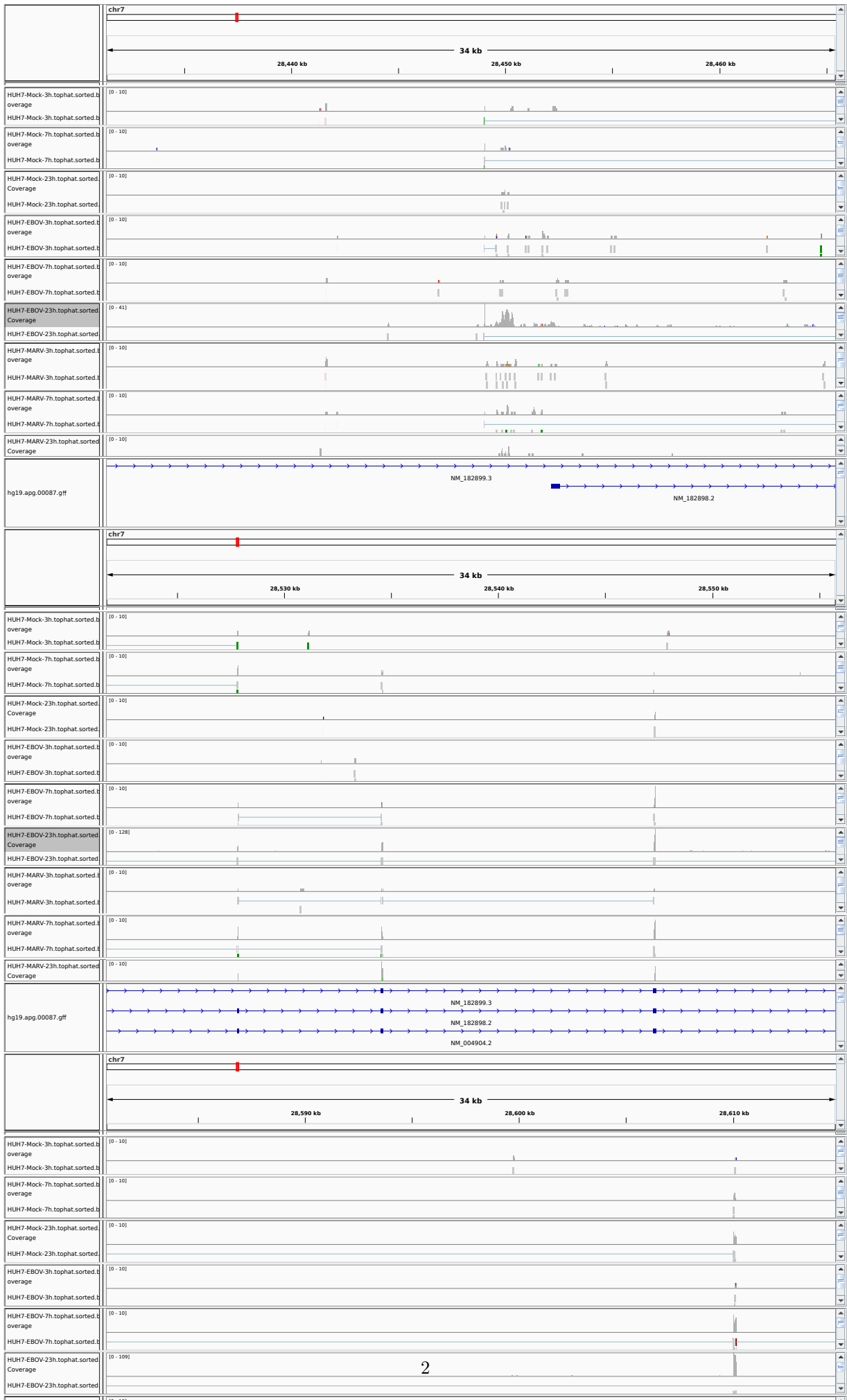
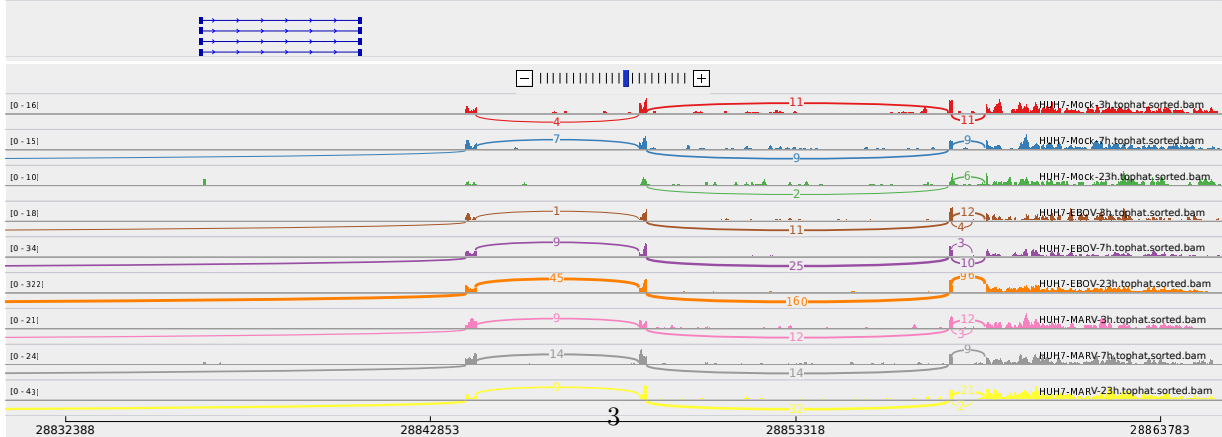
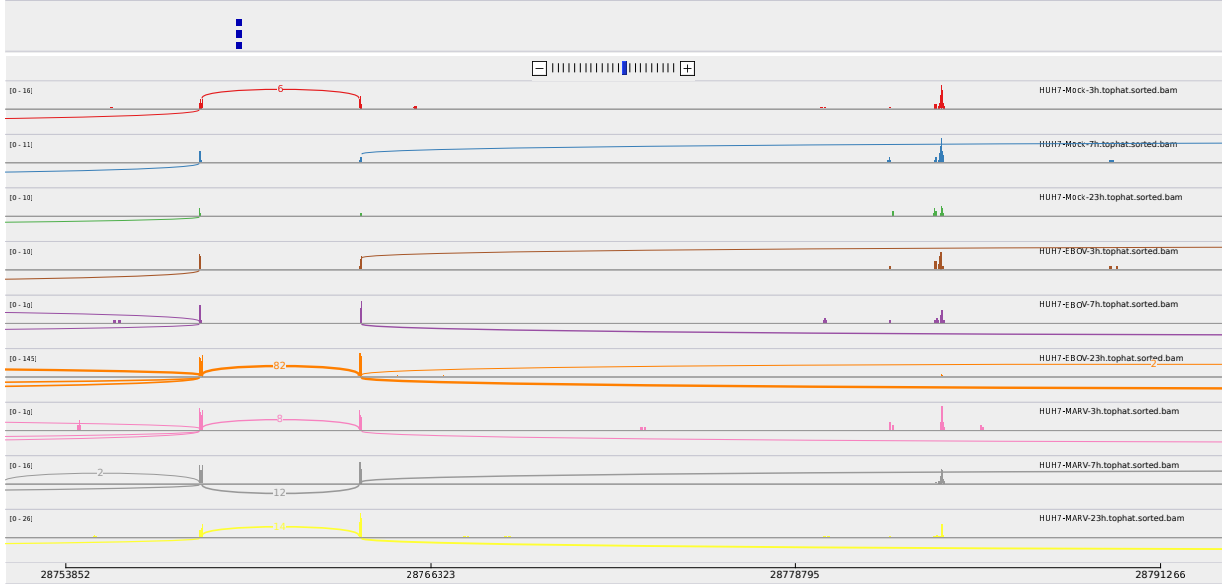
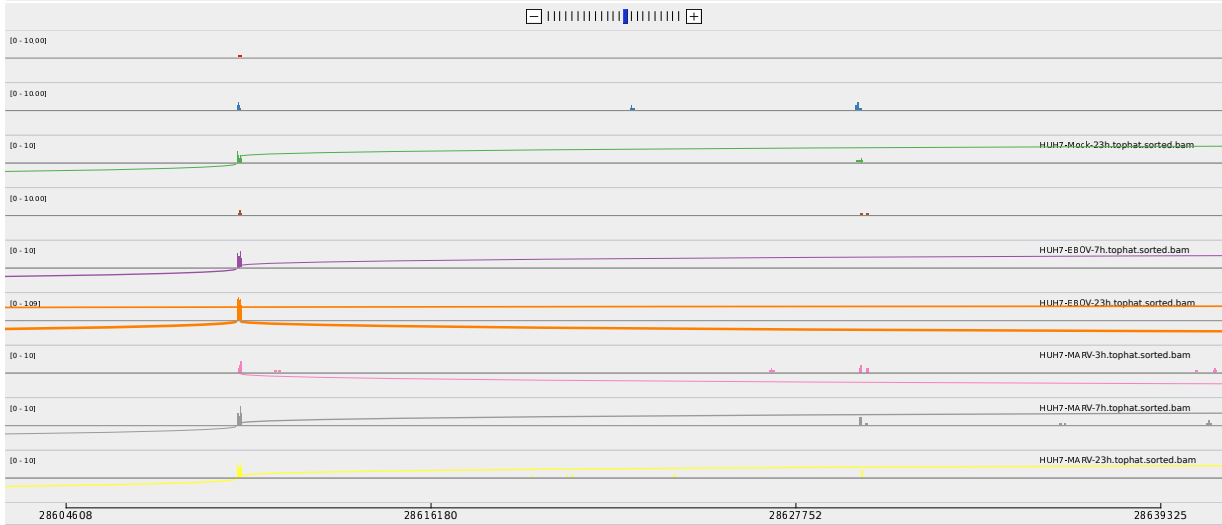
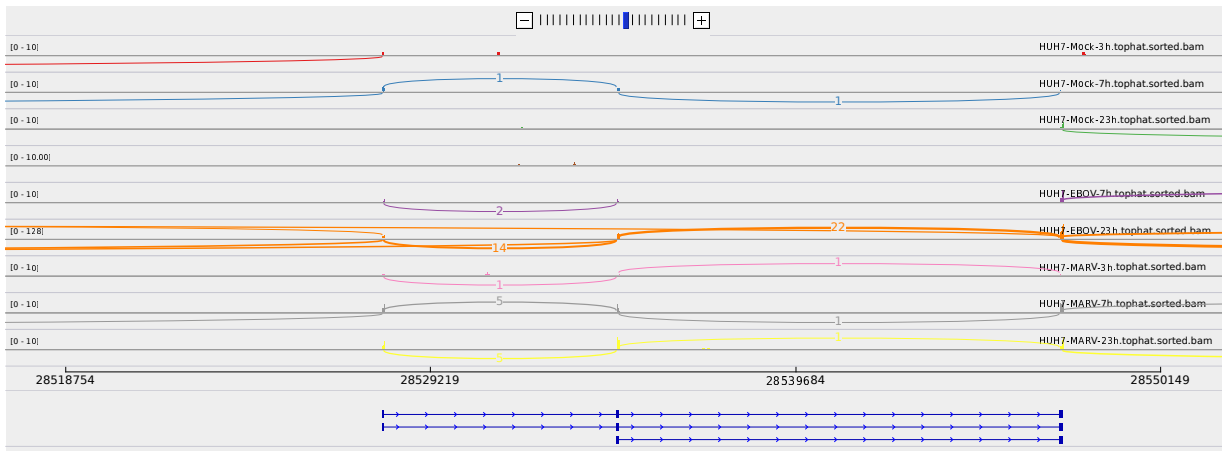


1 CREB5

The product of this gene belongs to the CRE (cAMP response element)-binding protein family. Members of this family contain zinc-finger and bZIP DNA-binding domains. The encoded protein specifically binds to CRE as a homodimer or a heterodimer with c-Jun or CRE-BP1, and functions as a CRE-dependent trans-activator. Alternatively spliced transcript variants encoding different isoforms have been identified.

The expression of CREB5 is highly increased in human cells 23 h after Ebola infection, whereas its expression is not increased in Marburg-infected human cells at the same time point. At the other time points, the gene is only minor expressed. In contrast, the expression of CREB5 only slightly increases in bat cells 23 h after infection with Ebola.





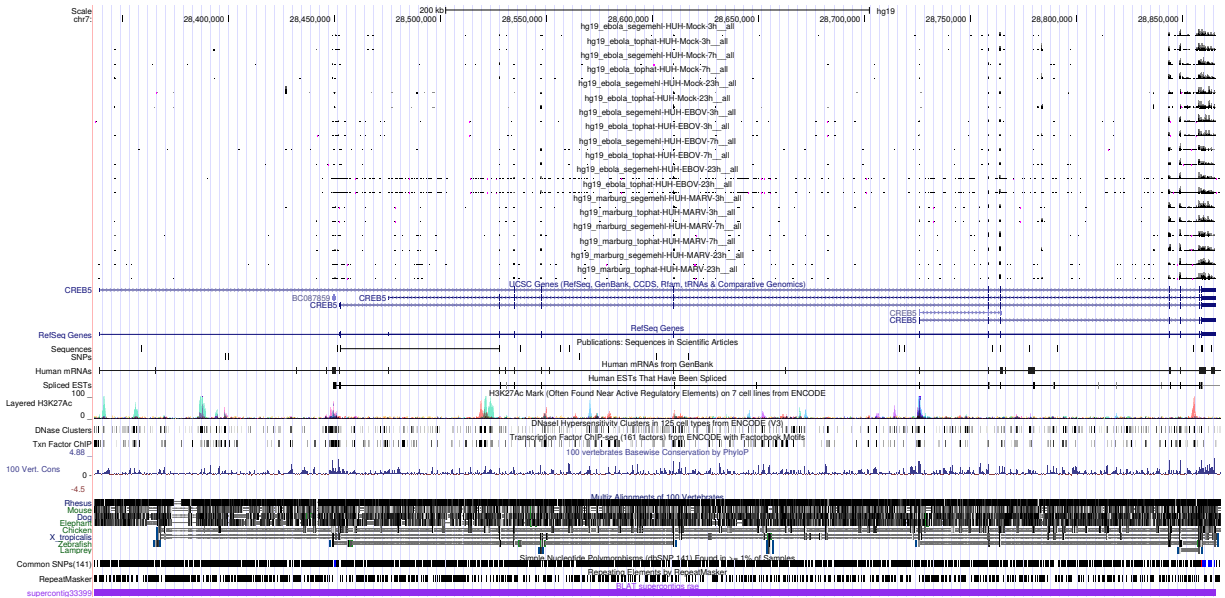


Figure 3: UCSC Genome Browser screenshot of gene CREB5.

Figure 4: SNP in Ebola infected human cells 23 h after infection.