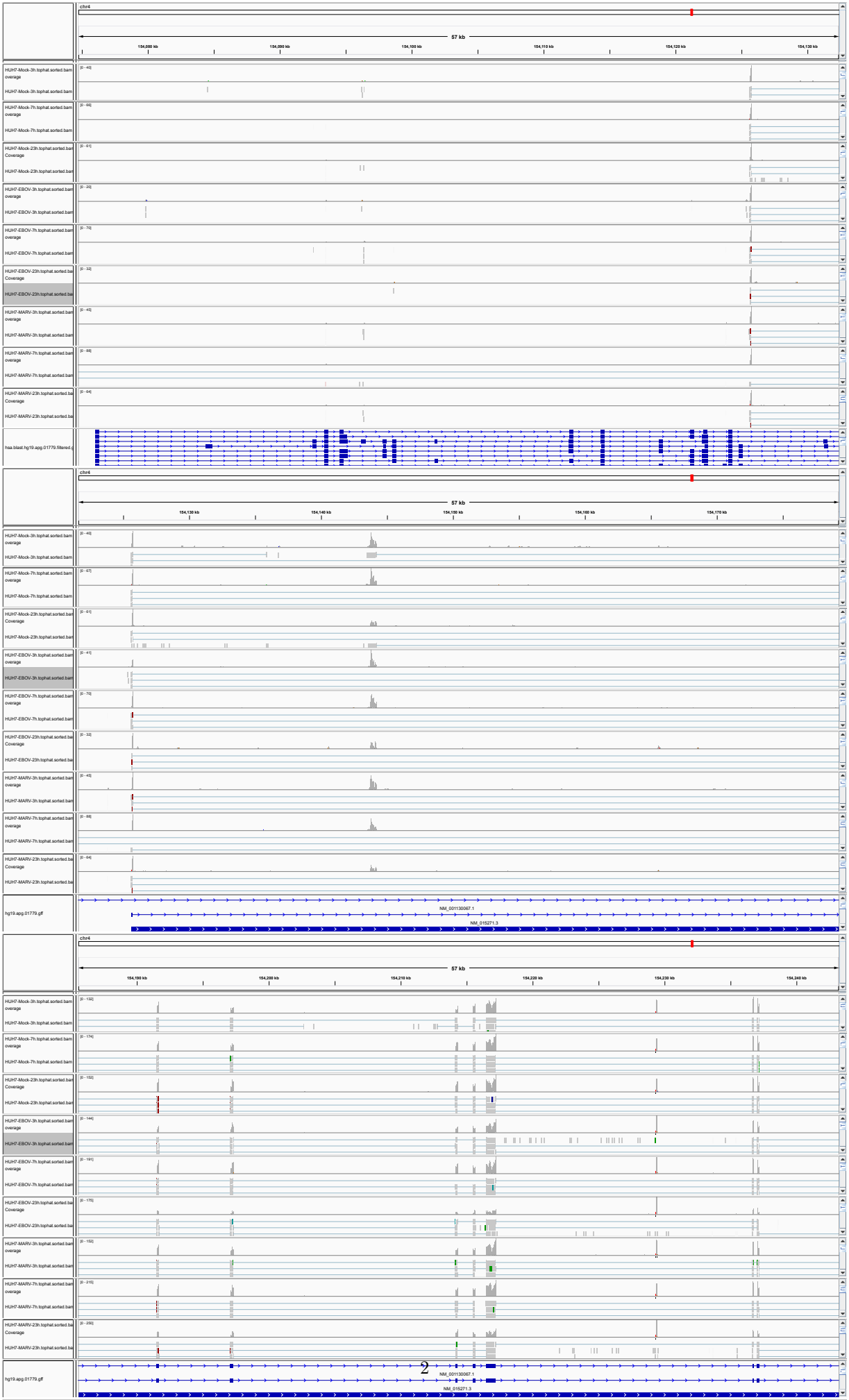
1 TRIM2

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic filaments. It plays a neuroprotective role and functions as an E3-ubiquitin ligase in proteasome-mediated degradation of target proteins. Mutations in this gene can cause early-onset axonal neuropathy. Alternative splicing results in multiple transcript variants.

For this gene we saw differential expression within the human cells. For the infected cells first an upregulation (between 3 h and 7 h p.i.) and then a downregulation (between 7 h and 23 h p.i.) took place.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HUH7-Mock-7h.tophat.sorted.bam
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HUH7-EBOV-7h.tophat.sorted.bam overage
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HUH7-Mock-3h.tophat.sorted.bam
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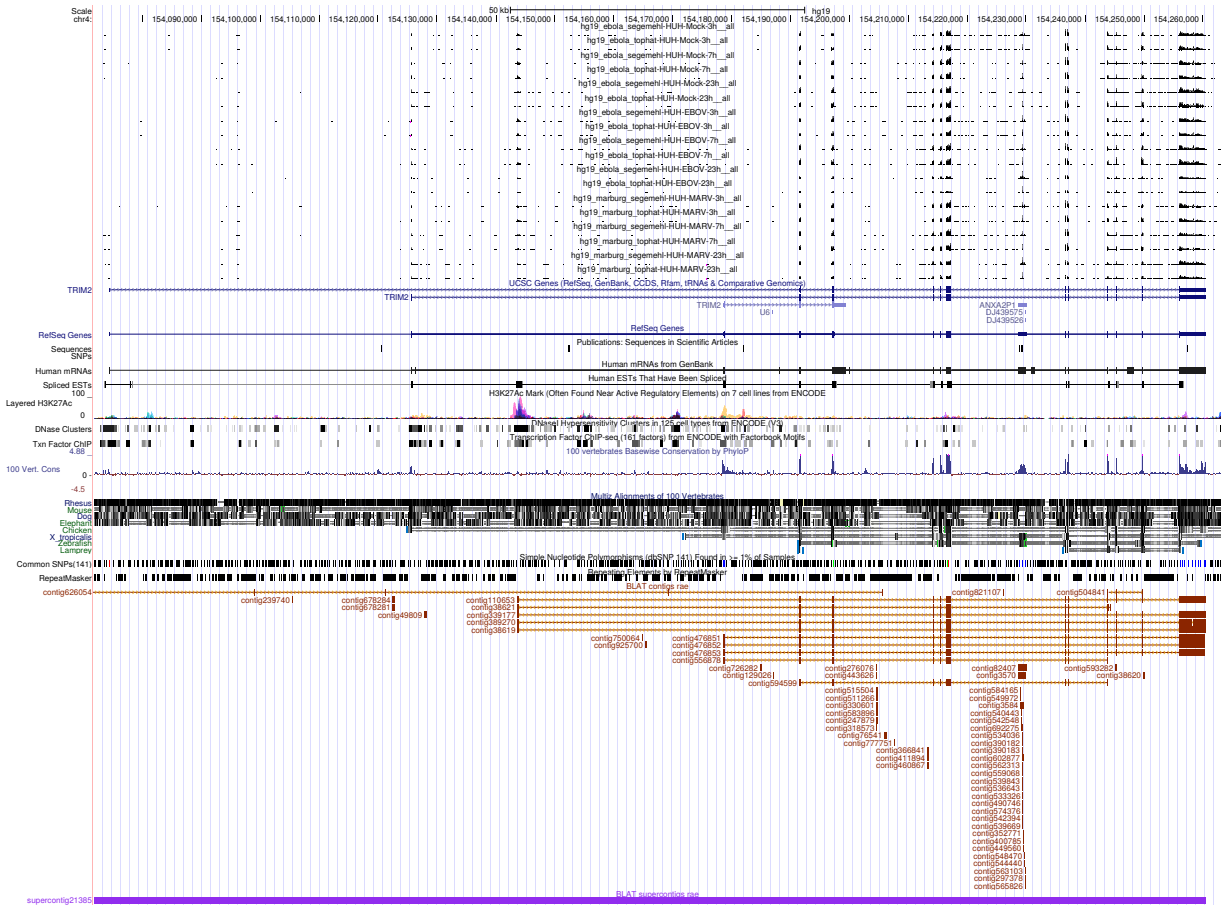

Figure 3: UCSC Genome Browser screenshot of gene TRIM2.