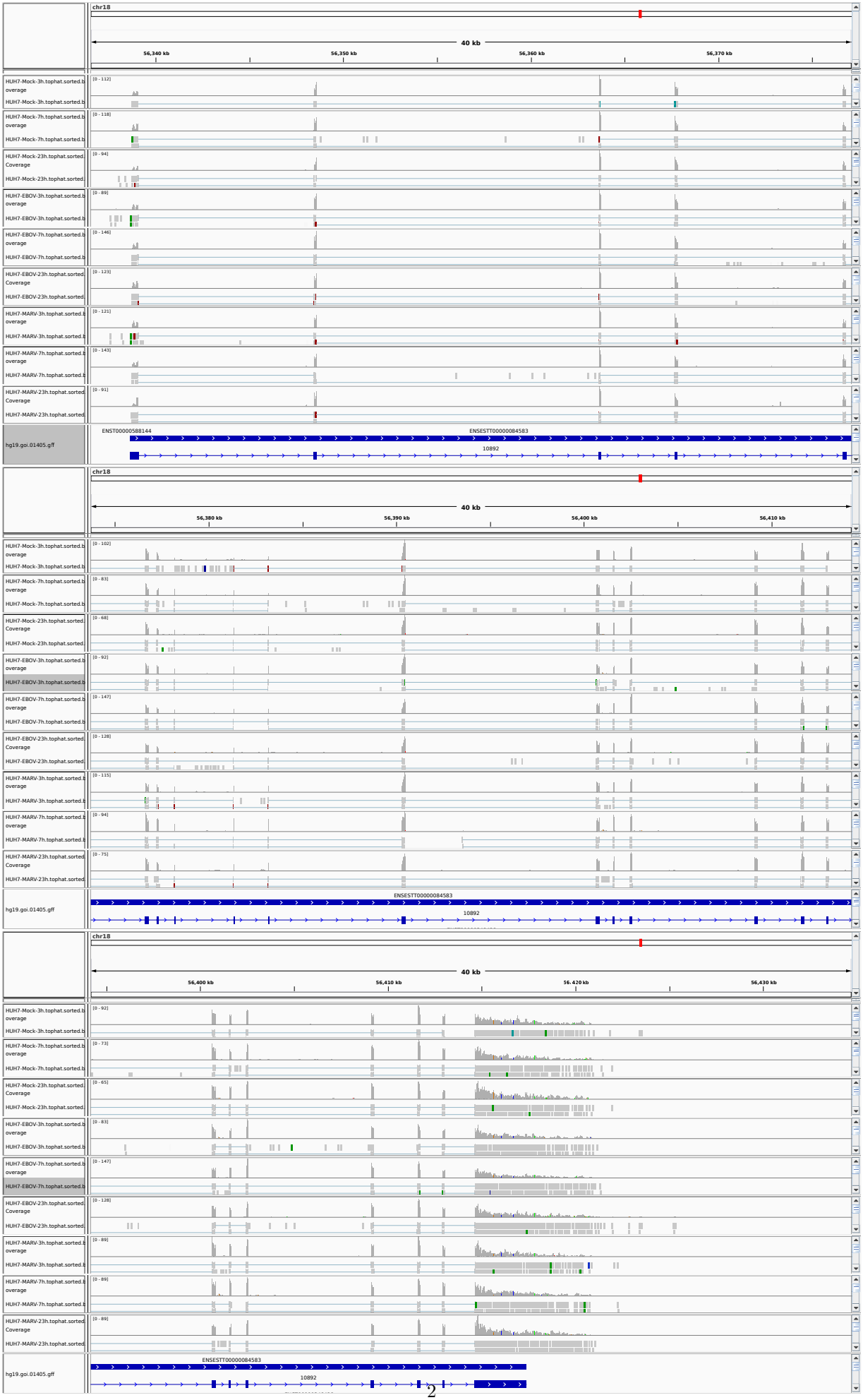
1 MALT1

This gene has been found to be recurrently rearranged in chromosomal translocation with two other genes - baculoviral IAP repeat-containing protein 3 (also known as apoptosis inhibitor 2) and immunoglobulin heavy chain locus - in mucosa-associated lymphoid tissue lymphomas. The protein encoded by this gene may play a role in NF-kappaB activation. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. MALT-1 has an alternativly spliced isoform, in which the 6th exon is missing. This is especially observed in the transcriptome data of Hu7 23 hours after infection with Ebola virus. 7 hours after Marburg infection, the expression decreases in Hu7, while it rises again to the 3 hour level in the 23 hours Ebola sample. The expression of MALT1 also changes slightly after infection with Marburg and Ebola virus in bat, but no clear trends are visible.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Coverage
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overage
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[0 - 89]
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overage
HUH7-EBOV-7h.tophat.sorted.b
[0 - 146]
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Coverage
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overage
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overage
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Coverage
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overage
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overage
HUH7-EBOV-7h.tophat.sorted.b
[0 - 147]
HUH7-EBOV-23h.tophat.sorted.
Coverage
HUH7-EBOV-23h.tophat.sorted.
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overage
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Coverage
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overage
HUH7-Mock-7h.tophat.sorted.b
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Coverage
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Coverage
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[0 - 128]
HUH7-MARV-3h.tophat.sorted.b
overage
HUH7-MARV-3h.tophat.sorted.b
[0 - 89]
HUH7-MARV-7h.tophat.sorted.b
overage
HUH7-MARV-7h.tophat.sorted.b
[0 - 89]
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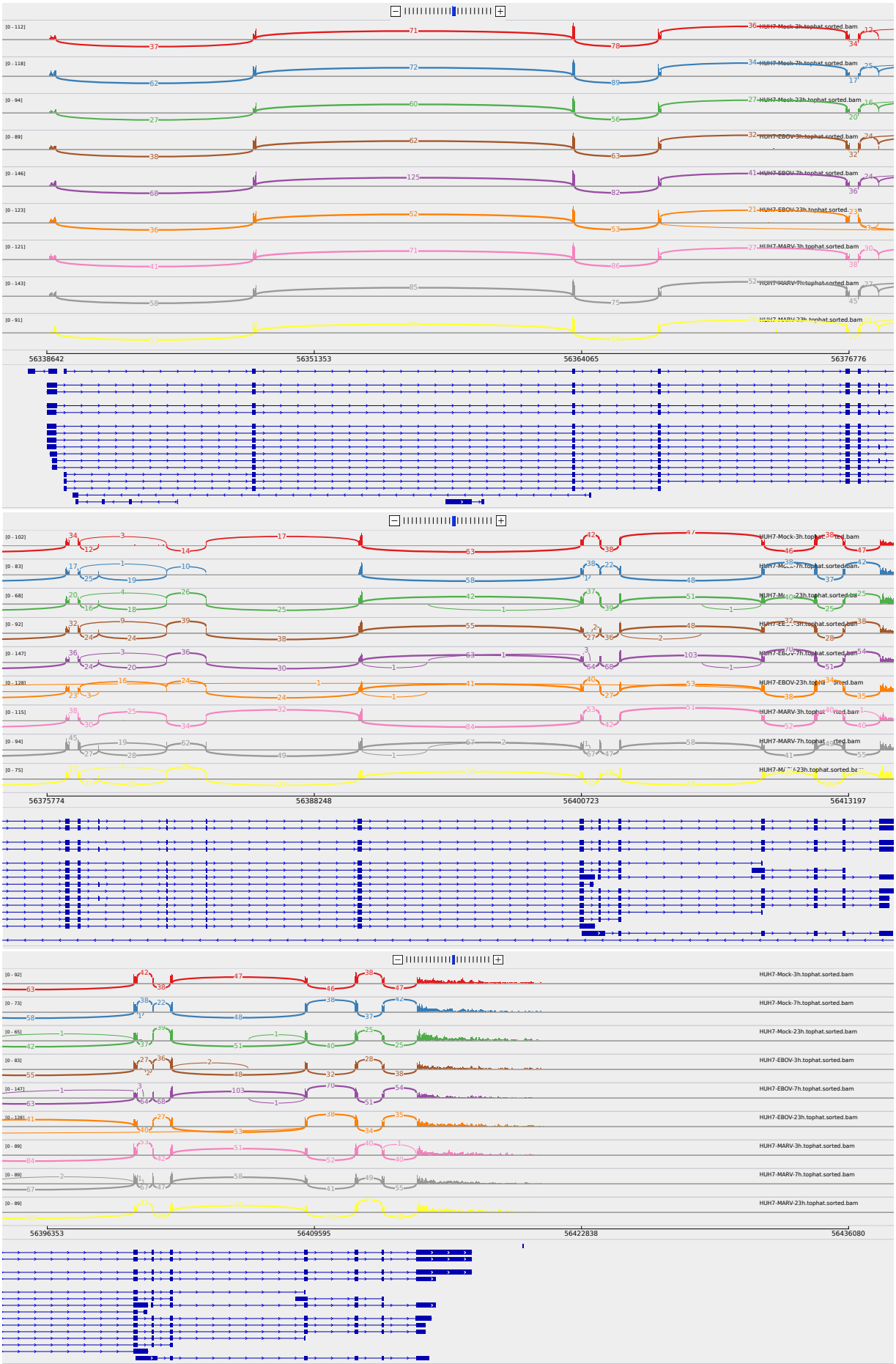

Figure 2: Sashimi plot of gene MALT1.

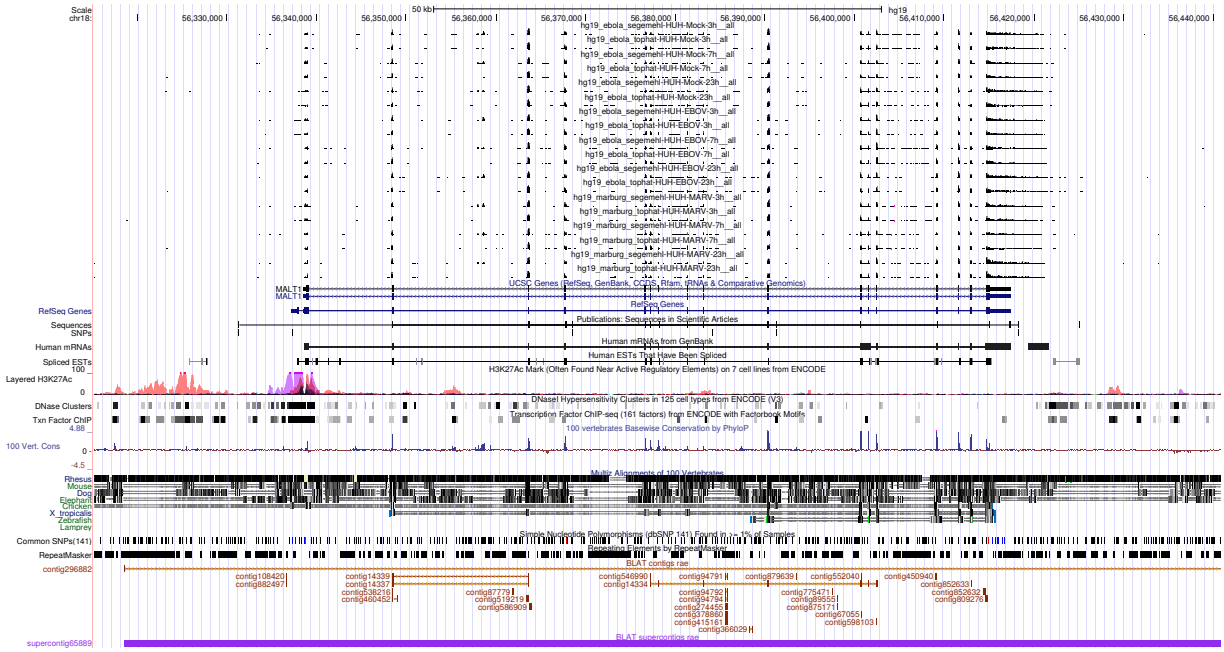

Figure 3: UCSC Genome Browser screenshot of gene MALT1.