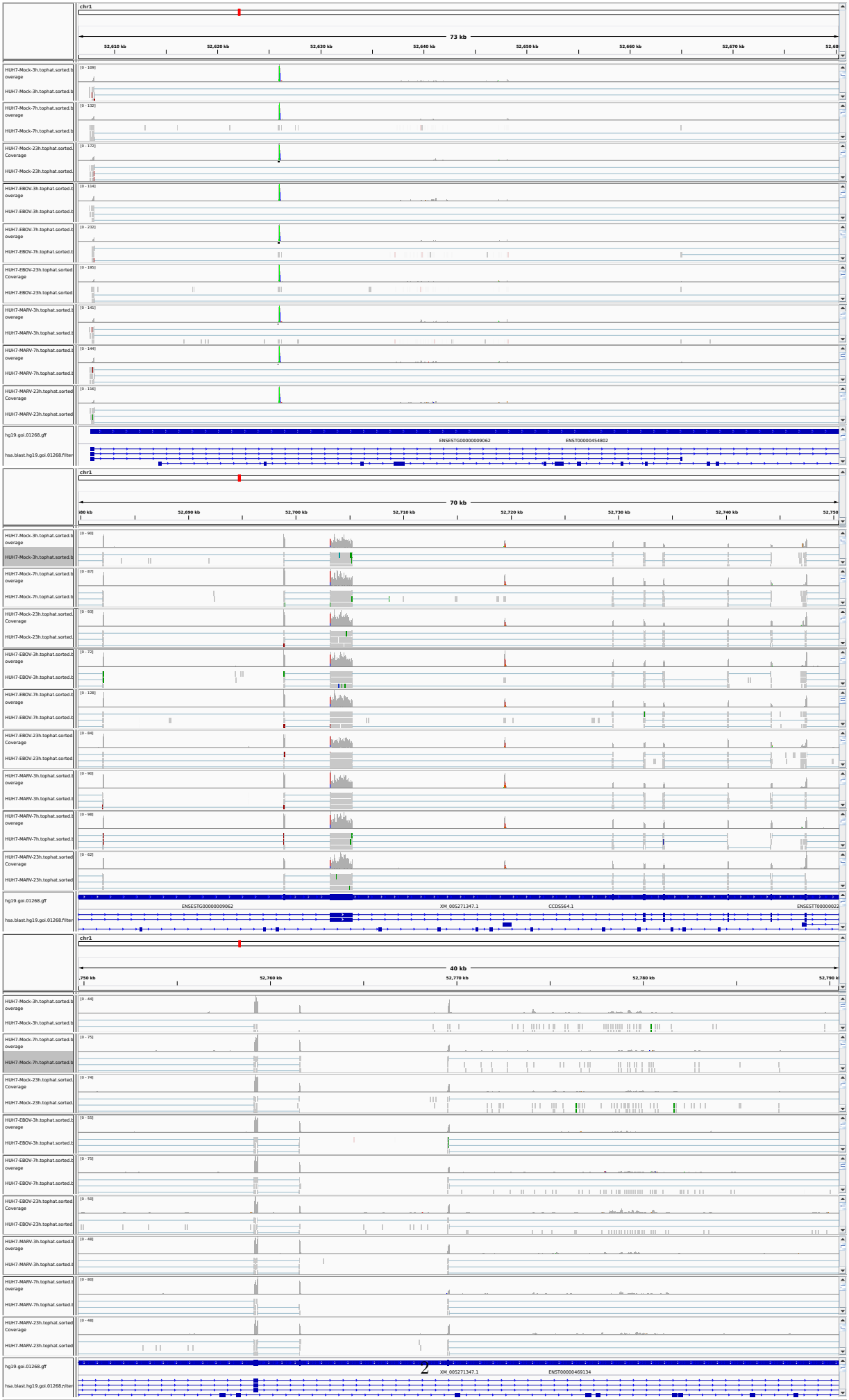
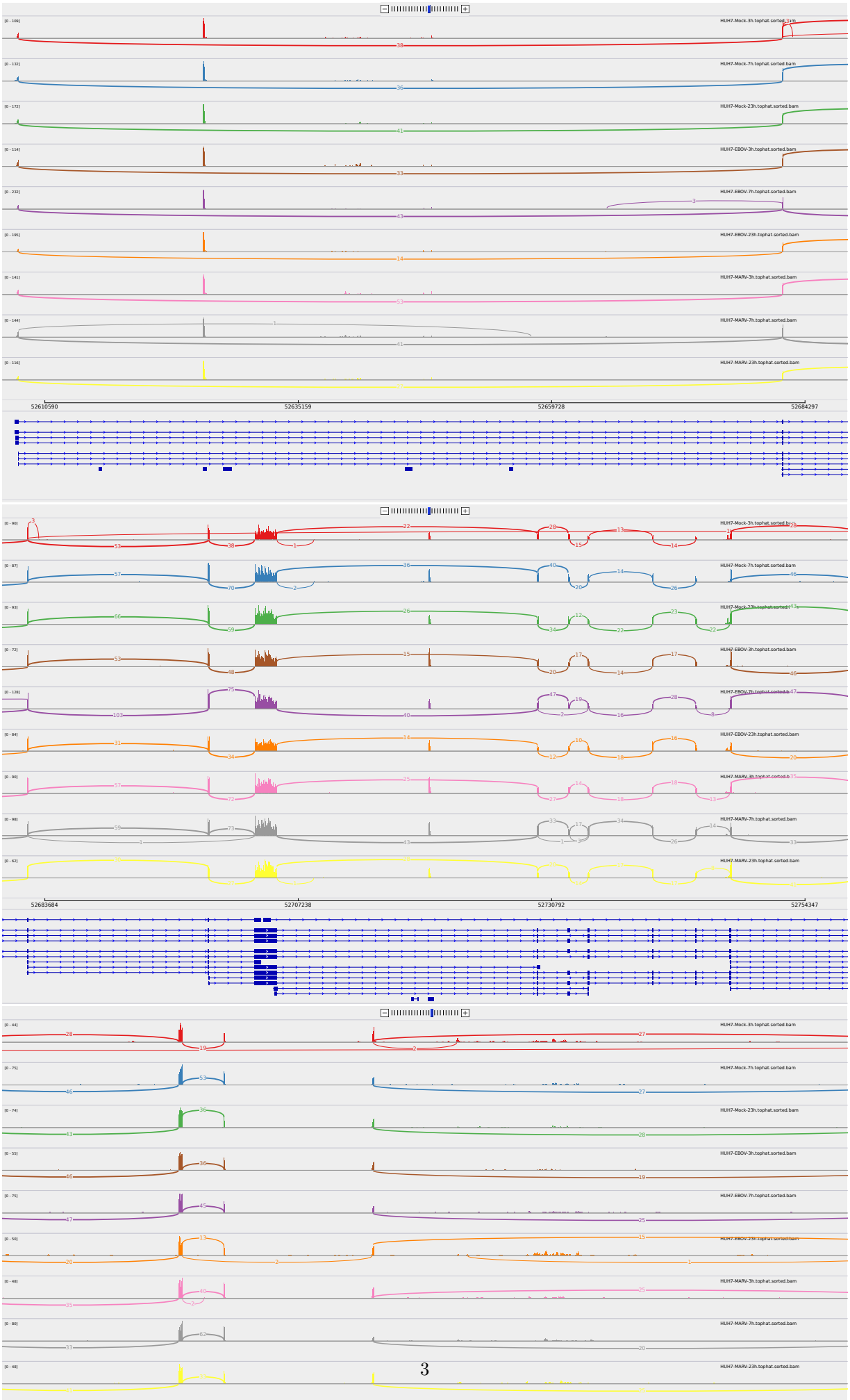
1 ZFYVE9

Homo sapiens zinc finger, FYVE domain containing 9 (ZFYVE9). This gene encodes a double zinc finger motif-containing protein that participates in the transforming growth factor-beta (TGFB) signalling pathway. The encoded protein interacts directly with SMAD2 and SMAD3, and recruits SMAD2 to the TGFB receptor. There are multiple pseudogenes for this gene on chromosomes 2, 15, and X. Alternative splicing results in multiple transcript variants.

This gene shows low expression levels in all samples, with a steep drop in human Ebola infected cells after 23 h. Additionally there is some intron transcript and an overlap with the gene CDC2D1B.


chr1
73 kb
52,610 kb
52,620 kb
52,630 kb
52,640 kb
52,650 kb
52,660 kb
52,670 kb
HUH7-Mock-3h.tophat.sorted.b
overage
HUH7-Mock-3h.tophat.sorted.b
[0 - 109]
HUH7-Mock-7h.tophat.sorted.b
overage
HUH7-Mock-7h.tophat.sorted.b
[0 - 132]
HUH7-Mock-23h.tophat.sorted
Coverage
HUH7-Mock-23h.tophat.sorted
[0 - 172]
HUH7-EBOV-3h.tophat.sorted.b
overage
HUH7-EBOV-3h.tophat.sorted.b
[0 - 114]
HUH7-EBOV-7h.tophat.sorted.b
overage
HUH7-EBOV-7h.tophat.sorted.b
[0 - 232]
HUH7-EBOV-23h.tophat.sorted
Coverage
HUH7-EBOV-23h.tophat.sorted
[0 - 195]
HUH7-MARV-3h.tophat.sorted.b
overage
HUH7-MARV-3h.tophat.sorted.b
[0 - 141]
HUH7-MARV-7h.tophat.sorted.b
overage
HUH7-MARV-7h.tophat.sorted.b
[0 - 144]
HUH7-MARV-23h.tophat.sorted
Coverage
HUH7-MARV-23h.tophat.sorted
[0 - 136]
hg19.goi.01268.gff
ENSESTG00000009062
ENST00000454802
hsa.blast.hg19.goi.01268.filter
chr1
70 kb
80 kb
52,690 kb
52,700 kb
52,710 kb
52,720 kb
52,730 kb
52,740 kb
52,750
HUH7-Mock-3h.tophat.sorted.b
overage
HUH7-Mock-3h.tophat.sorted.b
[0 - 90]
HUH7-Mock-7h.tophat.sorted.b
overage
HUH7-Mock-7h.tophat.sorted.b
[0 - 87]
HUH7-Mock-23h.tophat.sorted
Coverage
HUH7-Mock-23h.tophat.sorted
[0 - 93]
HUH7-EBOV-3h.tophat.sorted.b
overage
HUH7-EBOV-3h.tophat.sorted.b
[0 - 72]
HUH7-EBOV-7h.tophat.sorted.b
overage
HUH7-EBOV-7h.tophat.sorted.b
[0 - 128]
HUH7-EBOV-23h.tophat.sorted
Coverage
HUH7-EBOV-23h.tophat.sorted
[0 - 84]
HUH7-MARV-3h.tophat.sorted.b
overage
HUH7-MARV-3h.tophat.sorted.b
[0 - 90]
HUH7-MARV-7h.tophat.sorted.b
overage
HUH7-MARV-7h.tophat.sorted.b
[0 - 98]
HUH7-MARV-23h.tophat.sorted
Coverage
HUH7-MARV-23h.tophat.sorted
[0 - 62]
hg19.goi.01268.gff
ENSESTG00000009062
XM_005271347.1
CCDS564.1
ENSESTT00000022
hsa.blast.hg19.goi.01268.filter
chr1
40 kb
,750 kb
52,760 kb
52,770 kb
52,780 kb
52,790 k
HUH7-Mock-3h.tophat.sorted.b
overage
HUH7-Mock-3h.tophat.sorted.b
[0 - 44]
HUH7-Mock-7h.tophat.sorted.b
overage
HUH7-Mock-7h.tophat.sorted.b
[0 - 75]
HUH7-Mock-23h.tophat.sorted
Coverage
HUH7-Mock-23h.tophat.sorted
[0 - 74]
HUH7-EBOV-3h.tophat.sorted.b
overage
HUH7-EBOV-3h.tophat.sorted.b
[0 - 55]
HUH7-EBOV-7h.tophat.sorted.b
overage
HUH7-EBOV-7h.tophat.sorted.b
[0 - 75]
HUH7-EBOV-23h.tophat.sorted
Coverage
HUH7-EBOV-23h.tophat.sorted
[0 - 50]
HUH7-MARV-3h.tophat.sorted.b
overage
HUH7-MARV-3h.tophat.sorted.b
[0 - 48]
HUH7-MARV-7h.tophat.sorted.b
overage
HUH7-MARV-7h.tophat.sorted.b
[0 - 80]
HUH7-MARV-23h.tophat.sorted
Coverage
HUH7-MARV-23h.tophat.sorted
[0 - 48]
hg19.goi.01268.gff
XM_005271347.1
ENST00000469134
hsa.blast.hg19.goi.01268.filter


HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam
HUH7-Mock-23h.tophat.sorted.bam
HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam
HUH7-EBOV-23h.tophat.sorted.bam
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam
HUH7-MARV-23h.tophat.sorted.bam
52610590
52635159
52659728
52684297
52683684
52707238
52730792
52754347

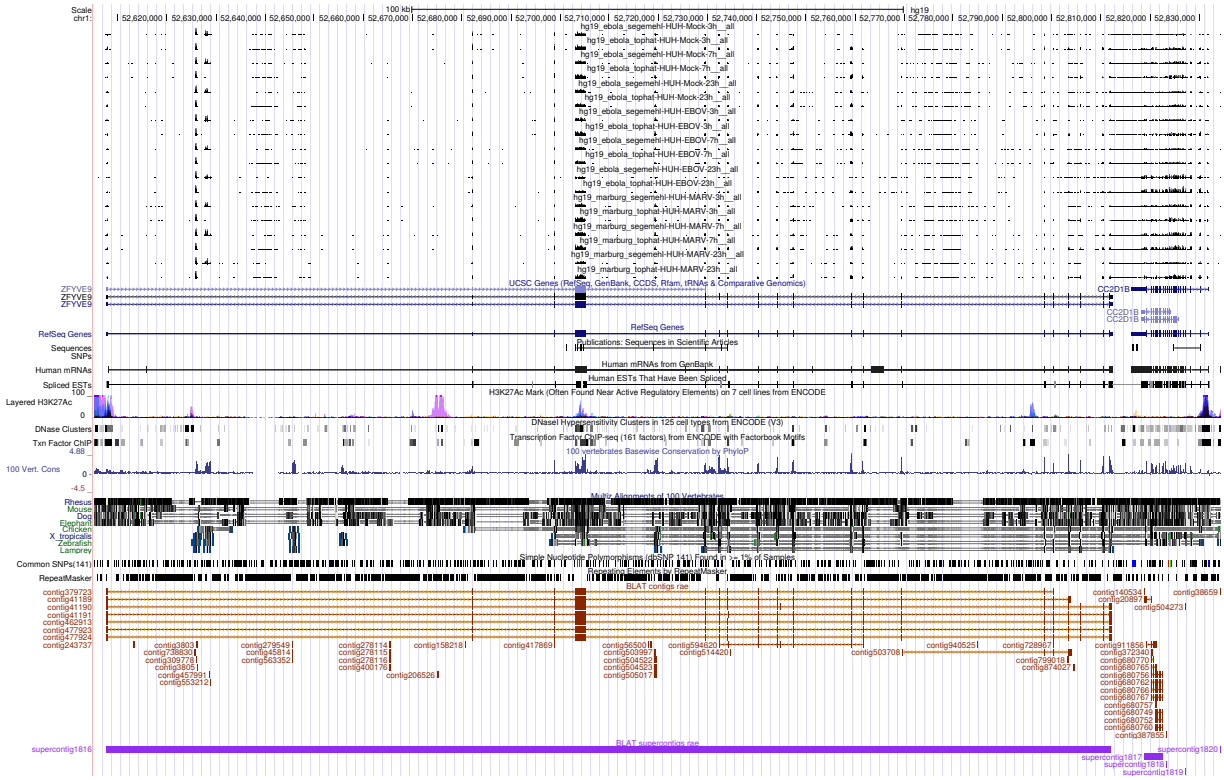


Figure 3: UCSC Genome Browser screenshot of gene ZFYVE9.