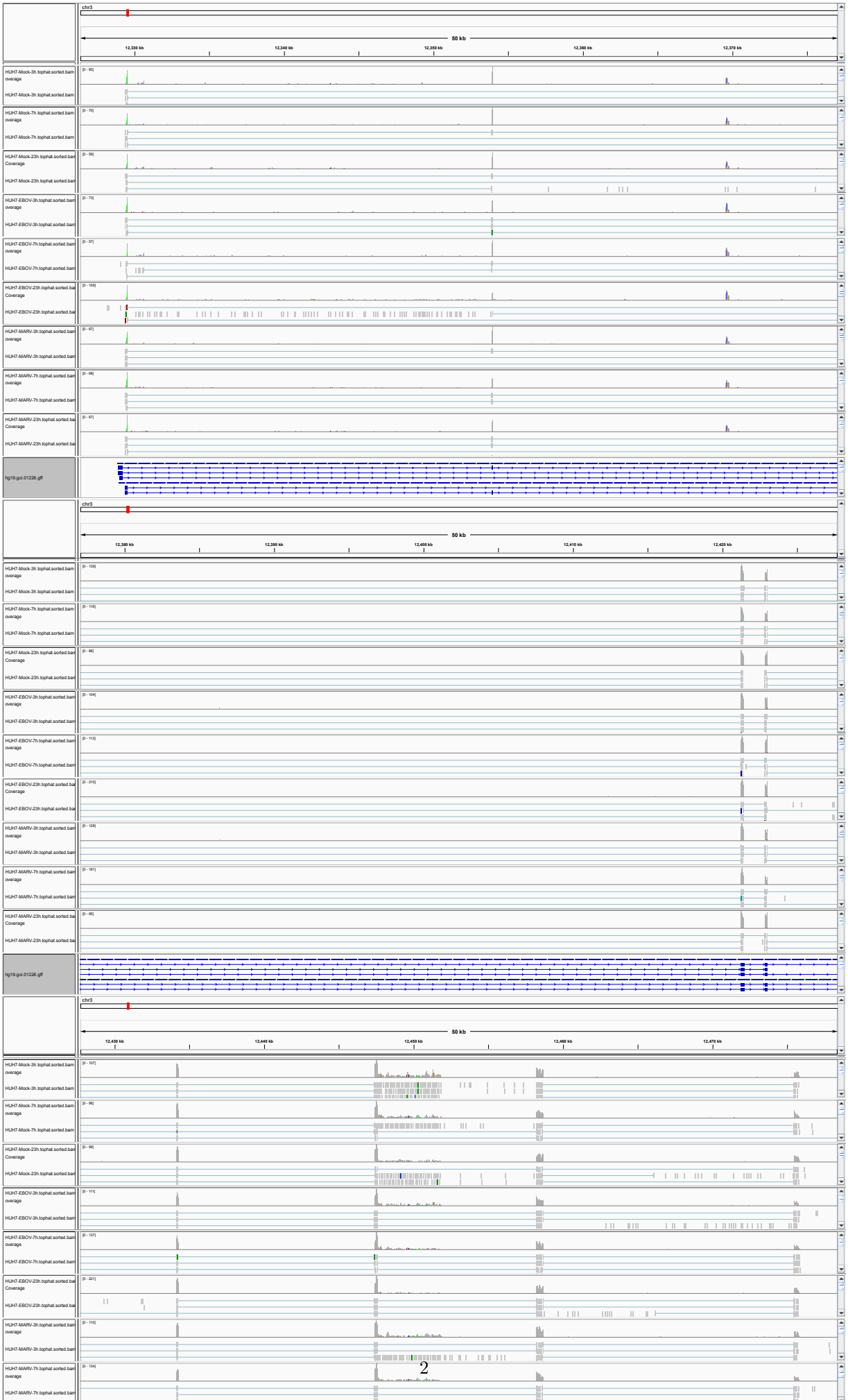
1 PPARG

This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described. The second-to-last intron in PPARG shows some clear expression. Otherwise it is expressed in both human and bat. There is very slight evidence for an increase in expression in human Ebola-infected cells after 23h, whereas this same sample shows a slight down-regulation in bat.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12,340 kb
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12,360 kb
12,370 kb
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HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam overage
HUH7-Mock-7h.tophat.sorted.bam
HUH7-Mock-23h.tophat.sorted.bam Coverage
HUH7-Mock-23h.tophat.sorted.bam
HUH7-EBOV-3h.tophat.sorted.bam overage
HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam overage
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HUH7-EBOV-23h.tophat.sorted.ba Coverage
HUH7-EBOV-23h.tophat.sorted.ba
HUH7-MARV-3h.tophat.sorted.bam overage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam overage
HUH7-MARV-7h.tophat.sorted.bam
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chr3
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HUH7-Mock-7h.tophat.sorted.bam
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HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam overage
HUH7-EBOV-7h.tophat.sorted.bam
HUH7-EBOV-23h.tophat.sorted.ba Coverage
HUH7-EBOV-23h.tophat.sorted.ba
HUH7-MARV-3h.tophat.sorted.bam overage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam overage
HUH7-MARV-7h.tophat.sorted.bam
HUH7-MARV-23h.tophat.sorted.ba Coverage
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HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam overage
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HUH7-Mock-23h.tophat.sorted.bam
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HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam overage
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HUH7-EBOV-23h.tophat.sorted.ba
HUH7-MARV-3h.tophat.sorted.bam overage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam overage
HUH7-MARV-7h.tophat.sorted.bam

Figure 2: Sashimi plot of gene PPARG.

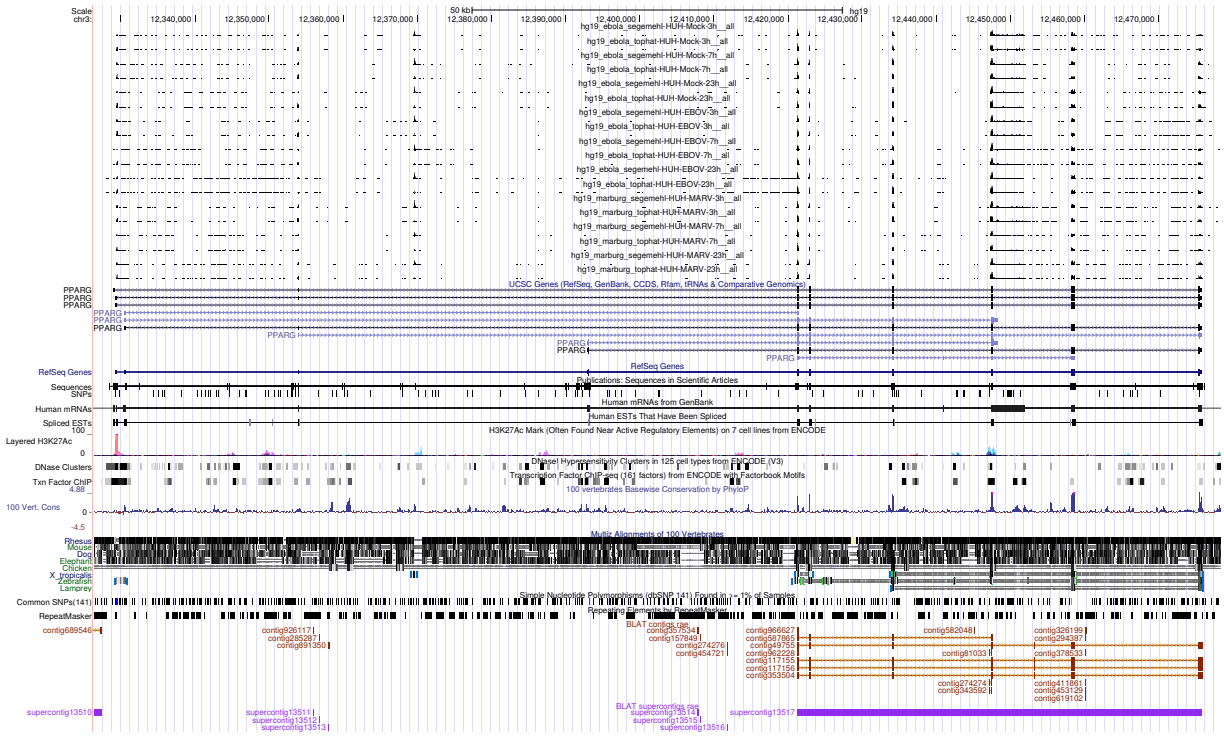

Figure 3: UCSC Genome Browser screenshot of gene PPARG.