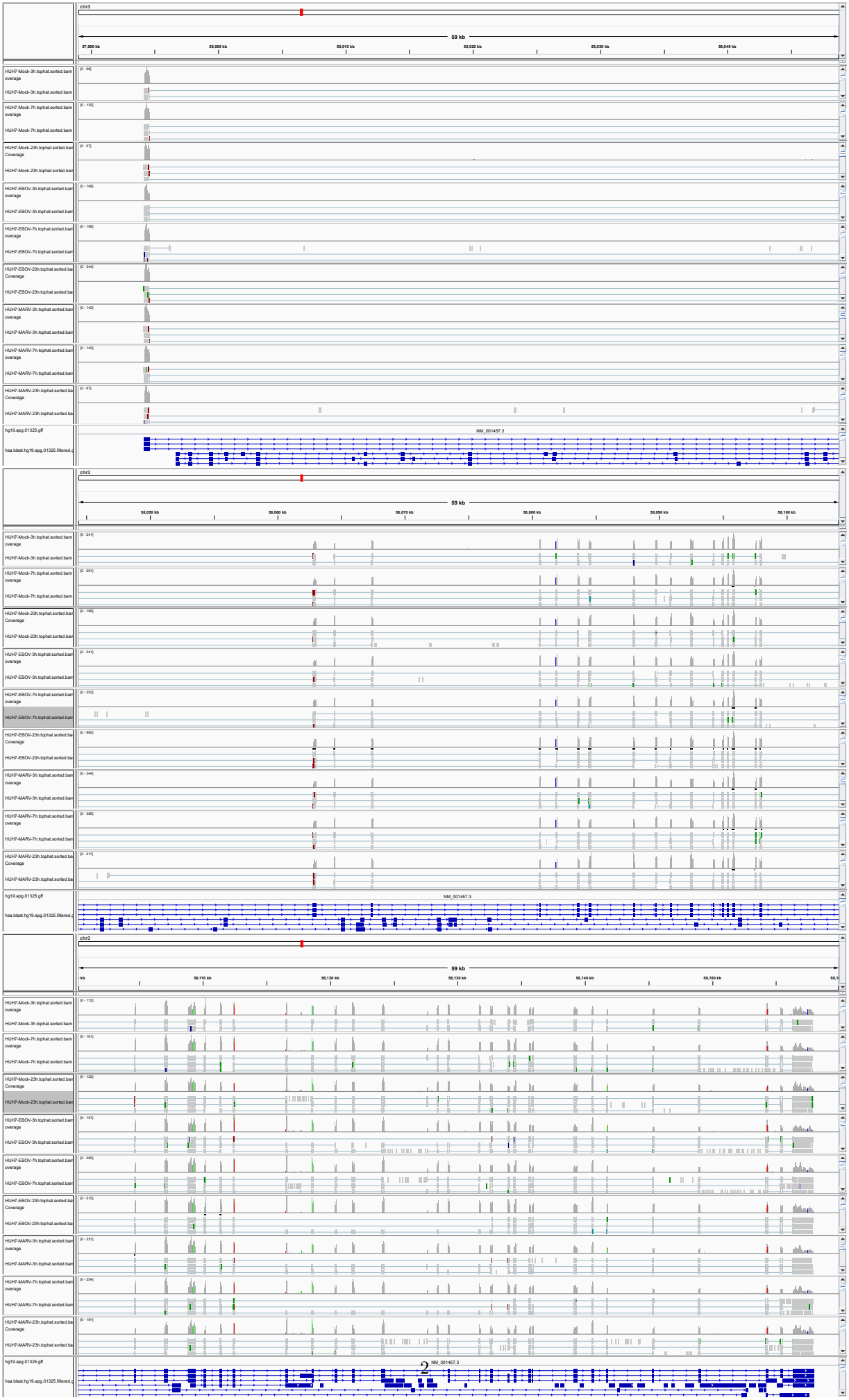
1 FLNB

The gene FLNB encodes a member of the filamin family. The encoded protein interacts with glycoprotein Ib alpha as part of the process to repair vascular injuries. The platelet glycoprotein Ib complex includes glycoprotein Ib alpha, and it binds the actin cytoskeleton. Mutations in this gene have been found in several conditions: atelosteogenesis type 1 and type 3; boomerang dysplasia; autosomal dominant Larsen syndrome; and spondylocarpotarsal synostosis syndrome. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

This gene is upregulated twofold in the Ebola 23 h probe. The other samples show slight downregulation at this timepoint.


chr3
59 kb
57,990 kb
58,000 kb
58,010 kb
58,020 kb
58,030 kb
58,040 kb
HUH7-Mock-3h.tophat.sorted.bam coverage
HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam coverage
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 coverage
HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam coverage
HUH7-EBOV-7h.tophat.sorted.bam
HUH7-EBOV-23h.tophat.sorted.bam Coverage
HUH7-EBOV-23h.tophat.sorted.bam
HUH7-MARV-3h.tophat.sorted.bam coverage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam coverage
HUH7-MARV-7h.tophat.sorted.bam
HUH7-MARV-23h.tophat.sorted.bam Coverage
HUH7-MARV-23h.tophat.sorted.bam
hg19.apg.01325.gff
hsa.blast.hg19.apg.01325.filtered.gff
NM_001457.3
chr3
59 kb
58,050 kb
58,060 kb
58,070 kb
58,080 kb
58,090 kb
58,100 kb
HUH7-Mock-3h.tophat.sorted.bam coverage
HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam coverage
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 coverage
HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam coverage
HUH7-EBOV-7h.tophat.sorted.bam
HUH7-EBOV-23h.tophat.sorted.bam Coverage
HUH7-EBOV-23h.tophat.sorted.bam
HUH7-MARV-3h.tophat.sorted.bam coverage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam coverage
HUH7-MARV-7h.tophat.sorted.bam
HUH7-MARV-23h.tophat.sorted.bam Coverage
HUH7-MARV-23h.tophat.sorted.bam
hg19.apg.01325.gff
hsa.blast.hg19.apg.01325.filtered.gff
NM_001457.3
chr3
59 kb
kb
58,110 kb
58,120 kb
58,130 kb
58,140 kb
58,150 kb
HUH7-Mock-3h.tophat.sorted.bam coverage
HUH7-Mock-3h.tophat.sorted.bam
HUH7-Mock-7h.tophat.sorted.bam coverage
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 coverage
HUH7-EBOV-3h.tophat.sorted.bam
HUH7-EBOV-7h.tophat.sorted.bam coverage
HUH7-EBOV-7h.tophat.sorted.bam
HUH7-EBOV-23h.tophat.sorted.bam Coverage
HUH7-EBOV-23h.tophat.sorted.bam
HUH7-MARV-3h.tophat.sorted.bam coverage
HUH7-MARV-3h.tophat.sorted.bam
HUH7-MARV-7h.tophat.sorted.bam coverage
HUH7-MARV-7h.tophat.sorted.bam
HUH7-MARV-23h.tophat.sorted.bam Coverage
HUH7-MARV-23h.tophat.sorted.bam
hg19.apg.01325.gff
hsa.blast.hg19.apg.01325.filtered.gff
NM_001457.3

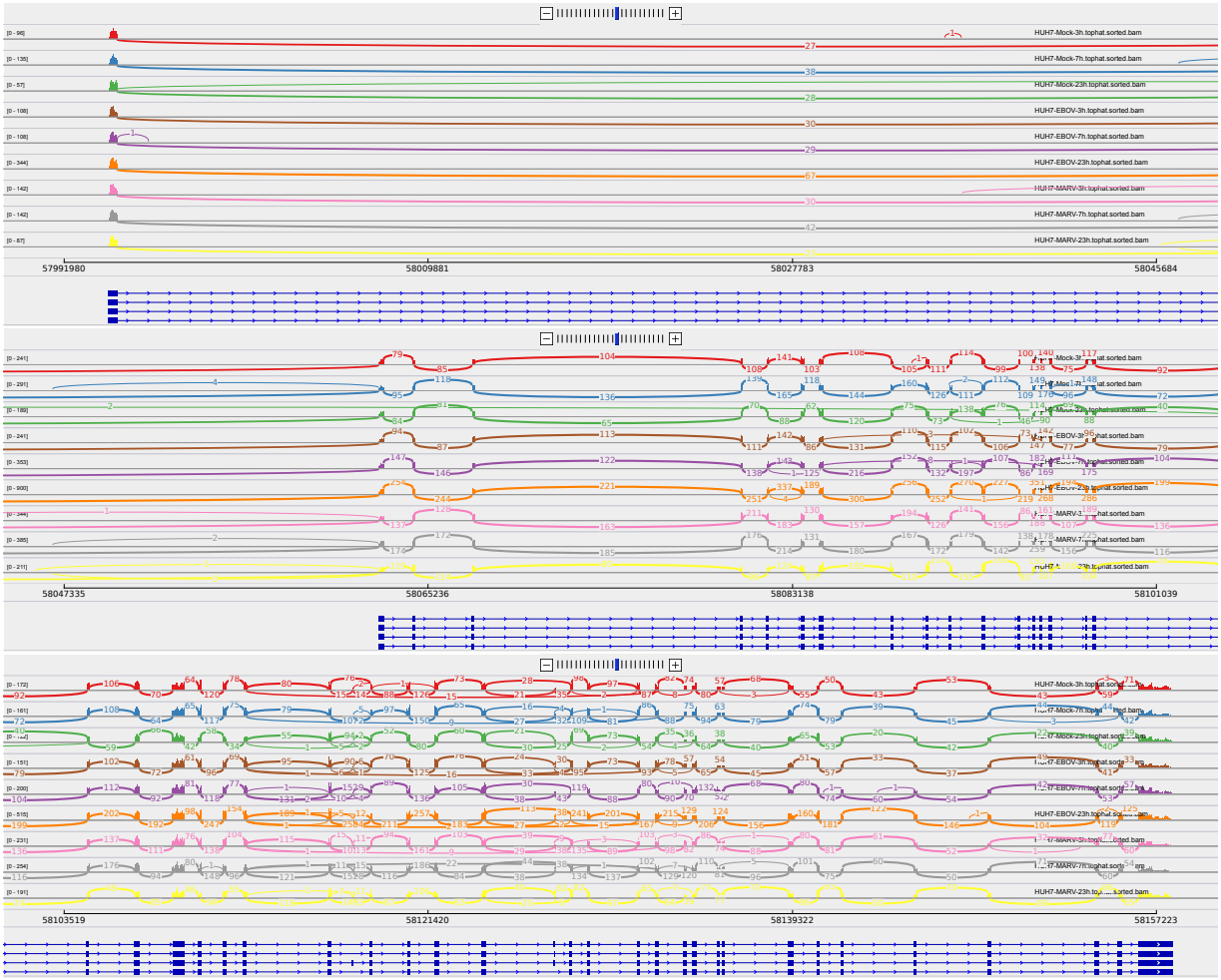


Figure 2: Sashimi plot of gene FLNB.

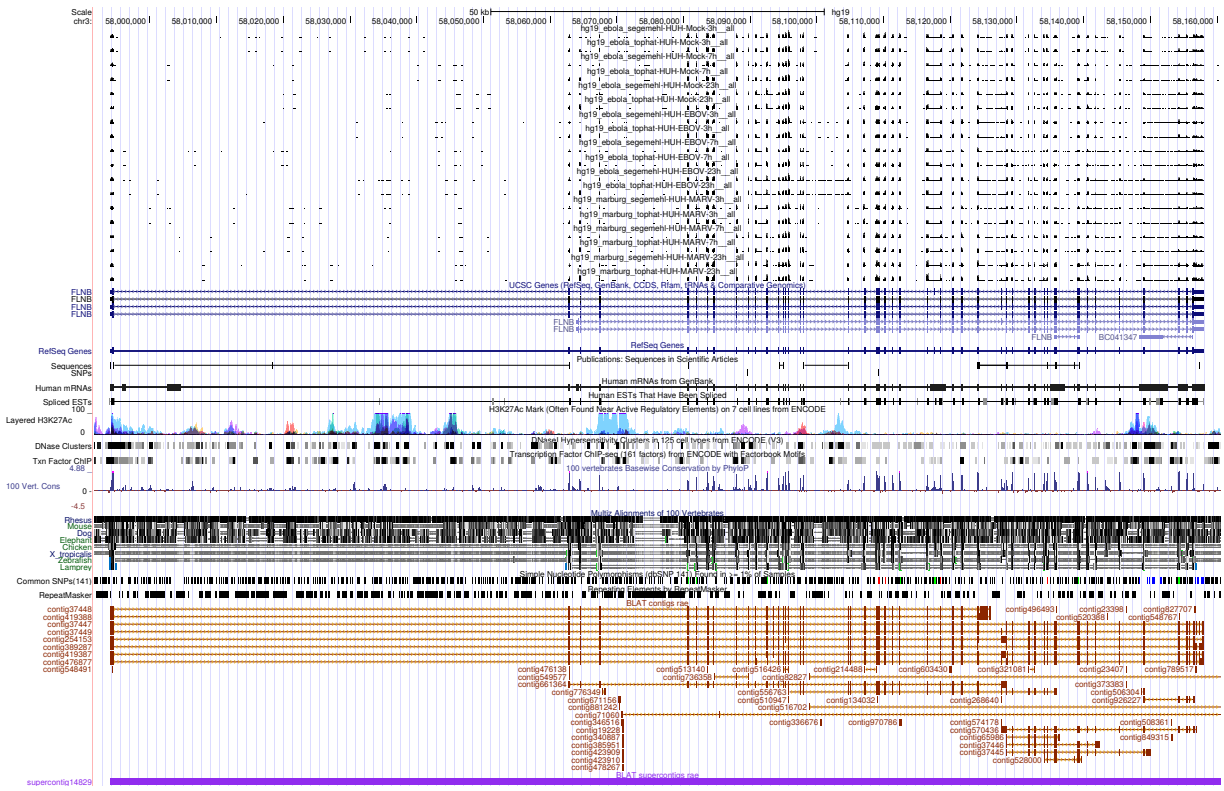


Figure 3: UCSC Genome Browser screenshot of gene FLNB.