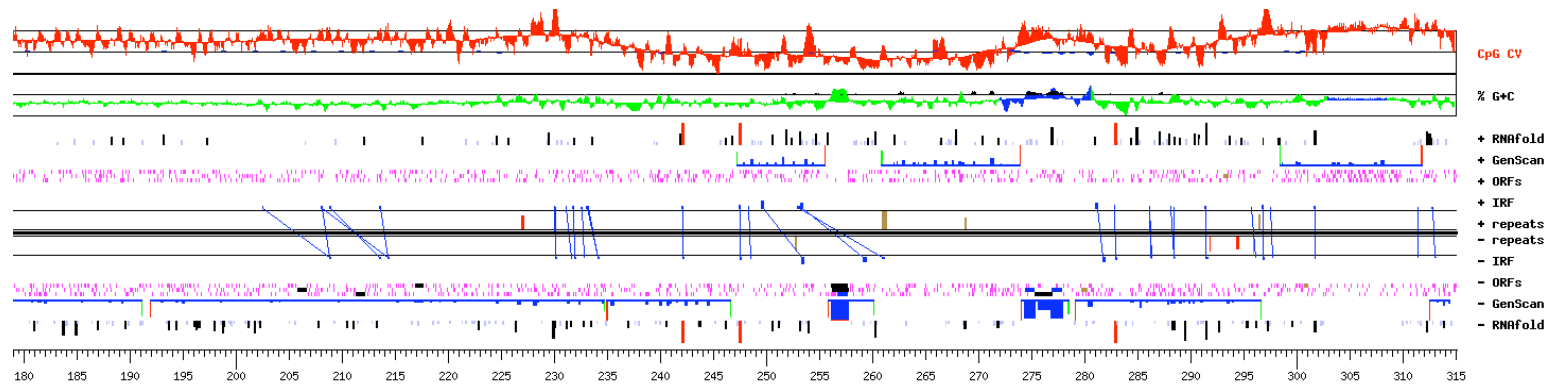
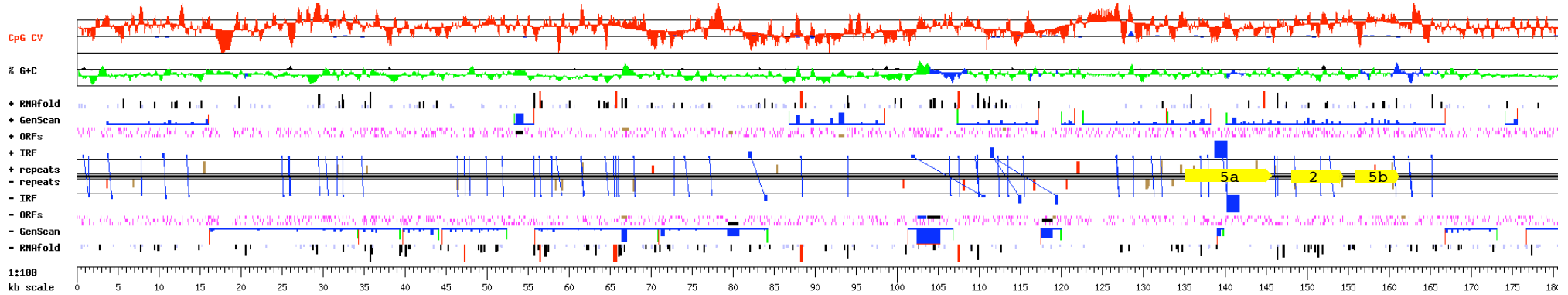


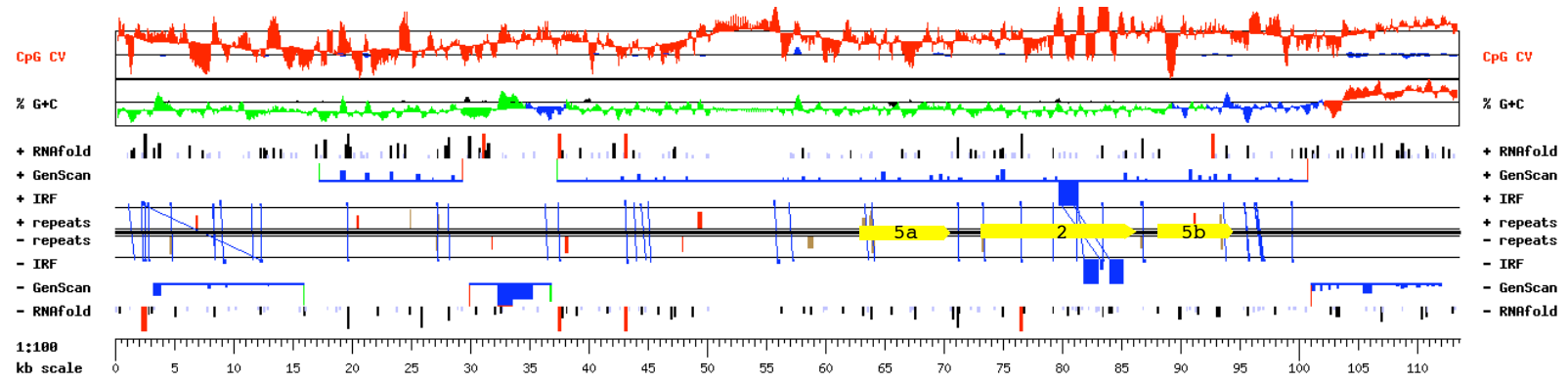
**Additional file 10.** Genomic profile (using the Gestalt viewer) across the BAC and PAC haplotype alleles described in this study. Included in the directional analyses are: repeat masking, inverted repeat finder (IRF: blue blocks represent the repeats, diagonal lines connect the corresponding repeats on opposite strands), open reading frames (ORFs), RNA fold predictions, %GC content and CpG prediction, as well as GenScan readouts. Please see Figure 3 legend of text for additional details on Gestalt viewer outputs.

Haplotypic variation is evident across allelic regions (see Additional file 1 for BAC and PAC notation) and VCBP genes are annotated in yellow. A. BAC contig 63n5- 43b24; B. BAC 62d19; C. PAC 37d15; D. BAC 100j9; E. PAC 34i17; F. scaffold\_1 spanning the VCBP3 region (showing ~100 kb span); G. PAC 30b18.

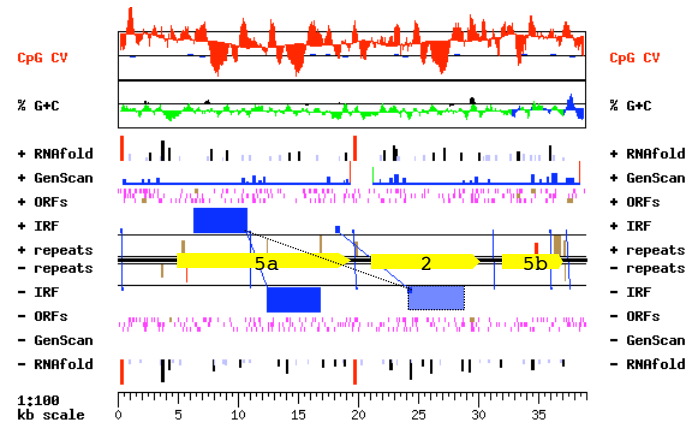
A. BAC contig 63n5-43b24



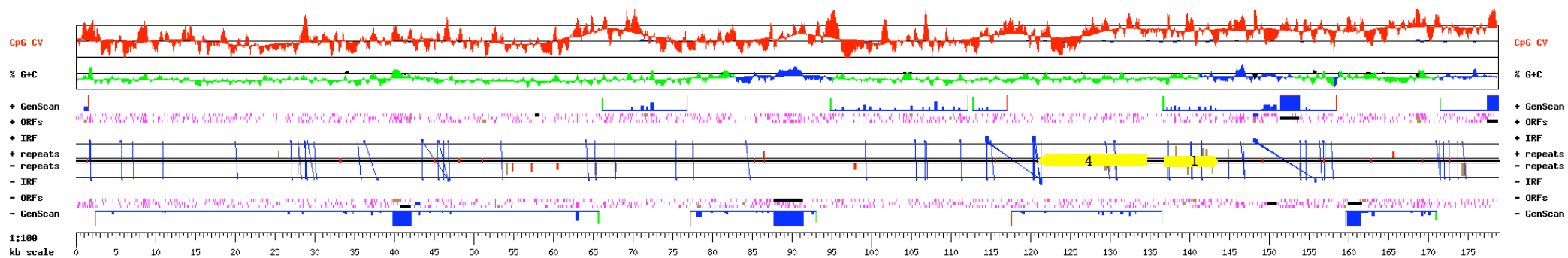
B. BAC 62d19



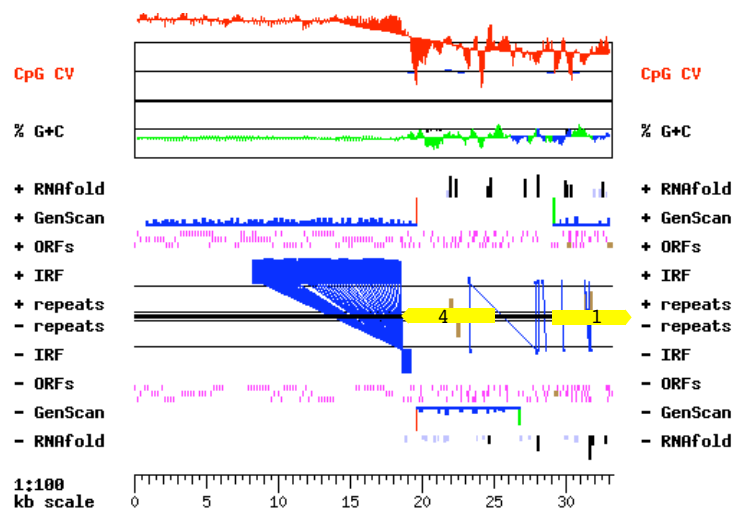
C. PAC 37d15



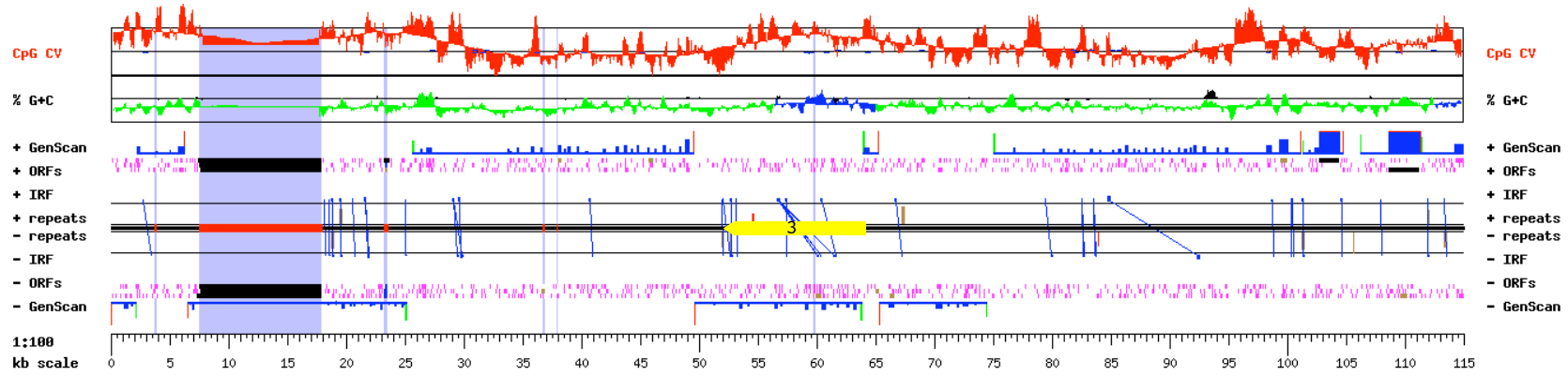
D. BAC 100j9



E. PAC 34i17



F. Scaffold\_1 VCBP 3 region



G. PAC 30b18

