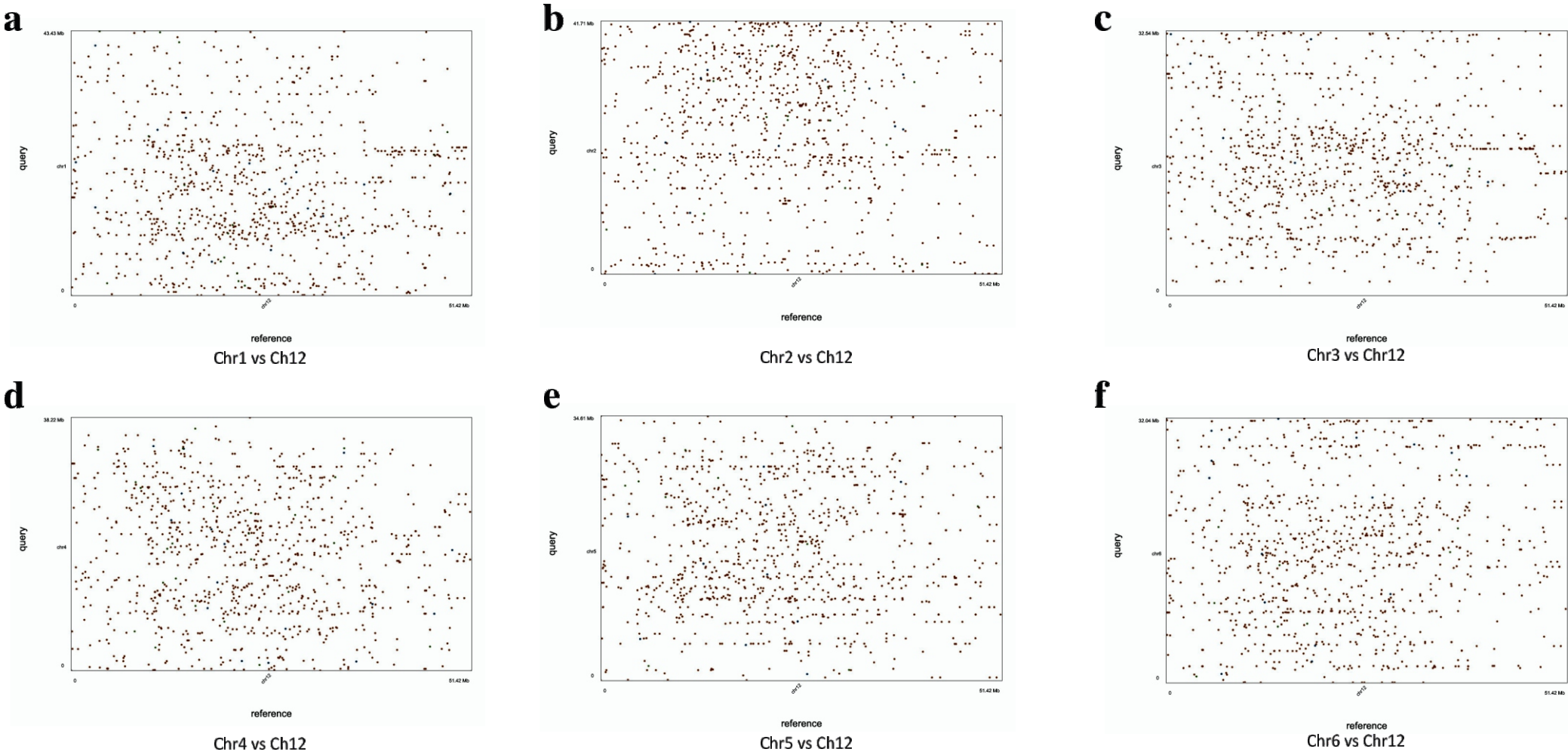
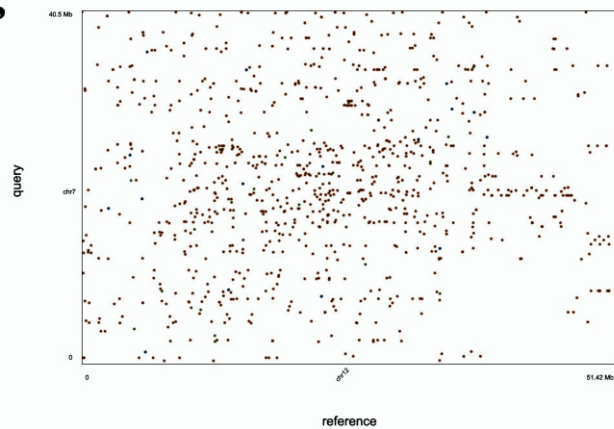


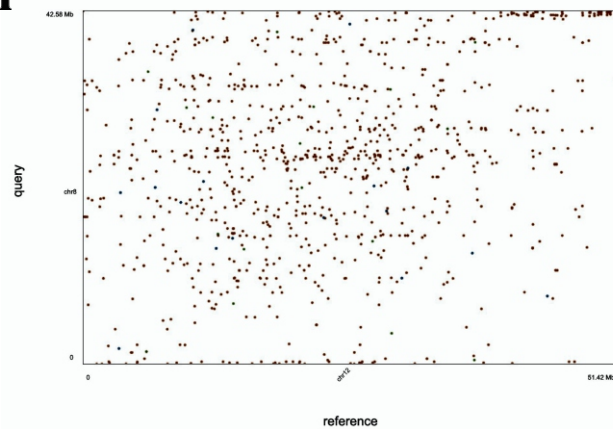
Genome-wide comparison reveals large structural variants in the cassava landraces

Supplementary Figures

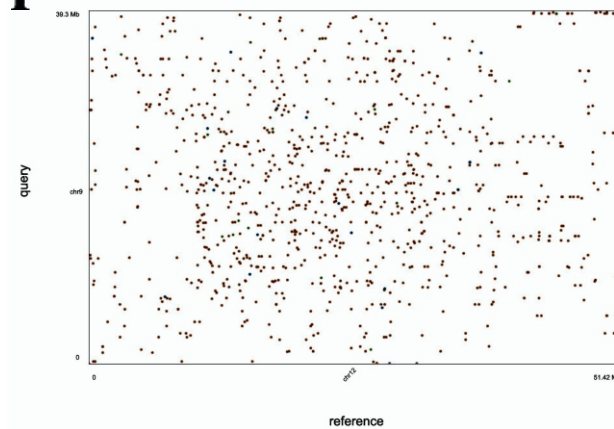


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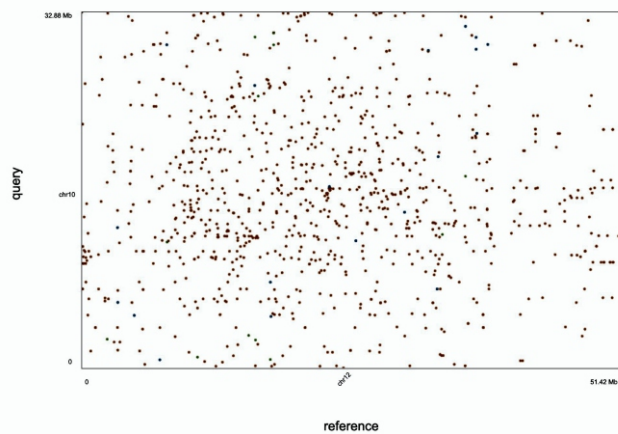
Chr7 vs Chr12

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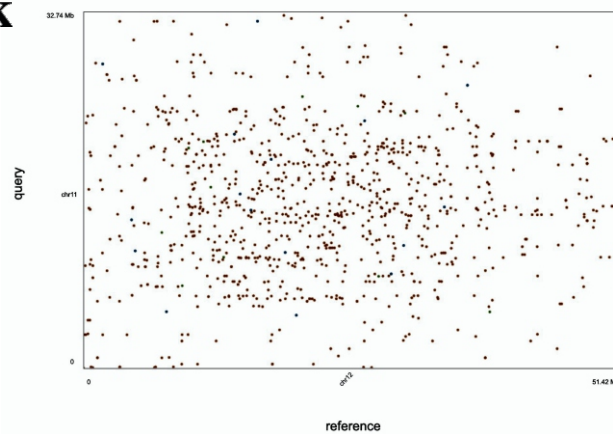
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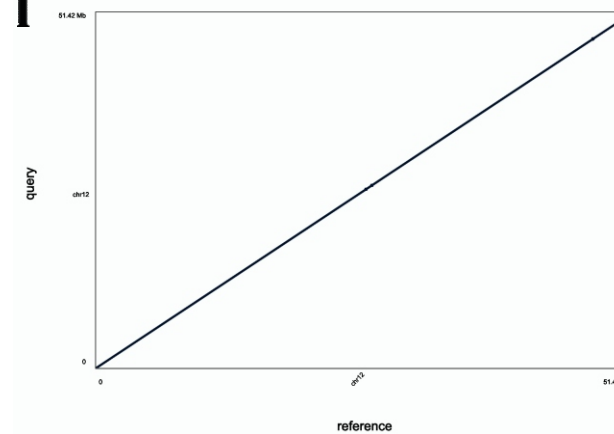
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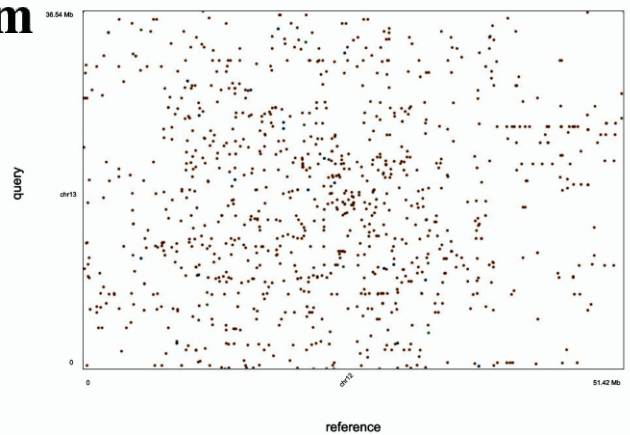
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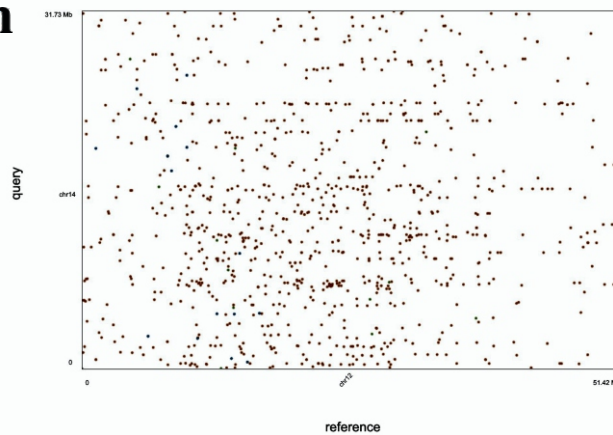
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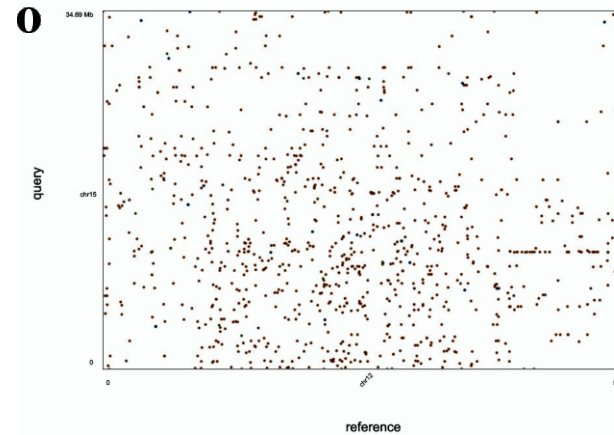
Chr12 vs Chr12

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Chr13 vs Chr12

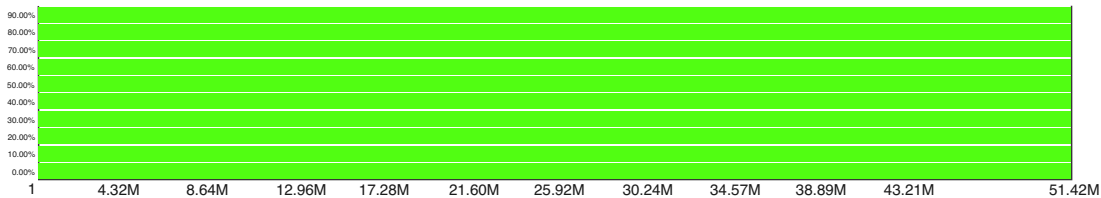
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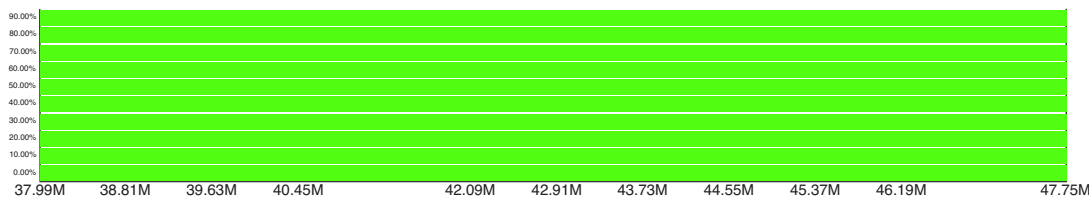
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Chr15 vs Chr12

TMEB117Hap1 - chr12



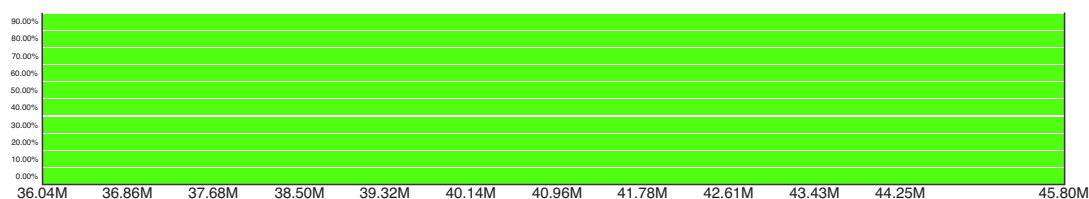
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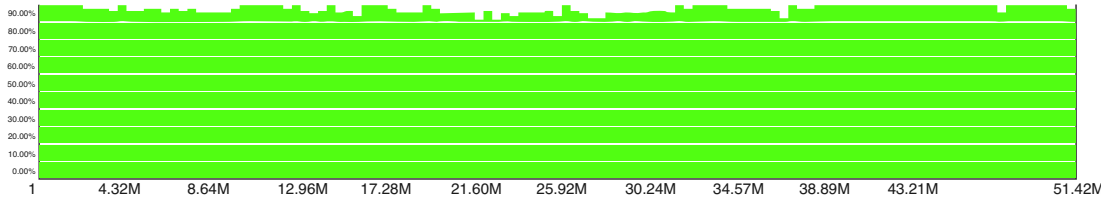
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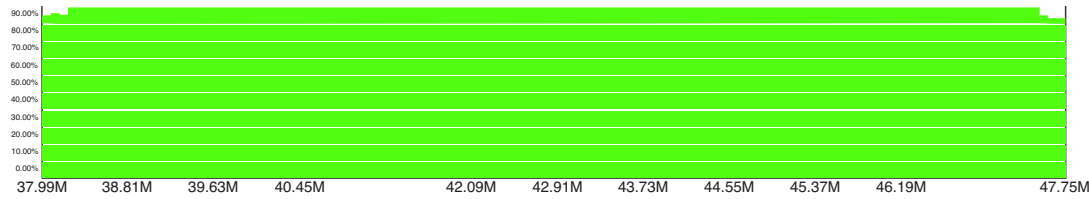
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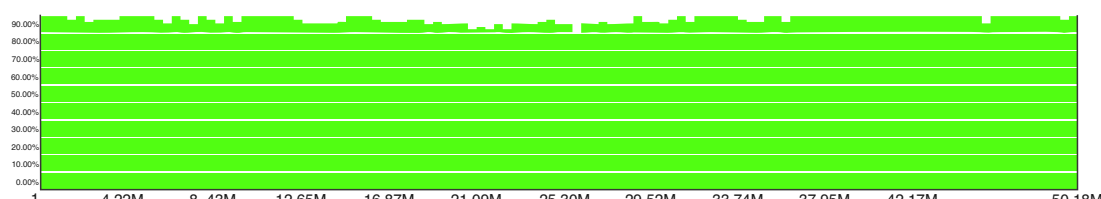
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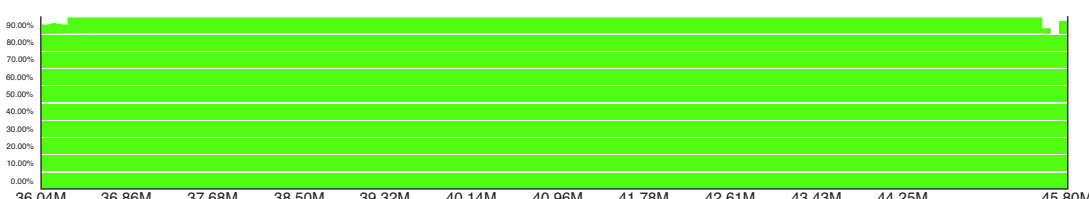
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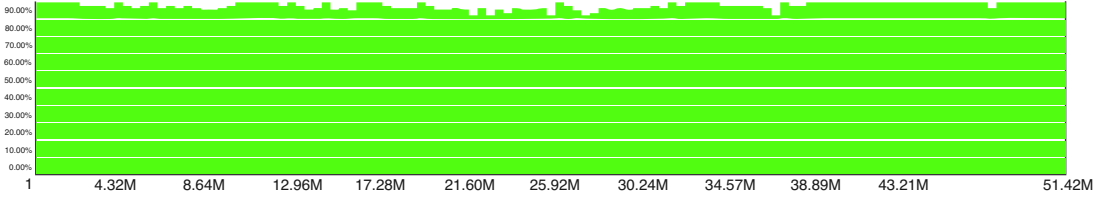
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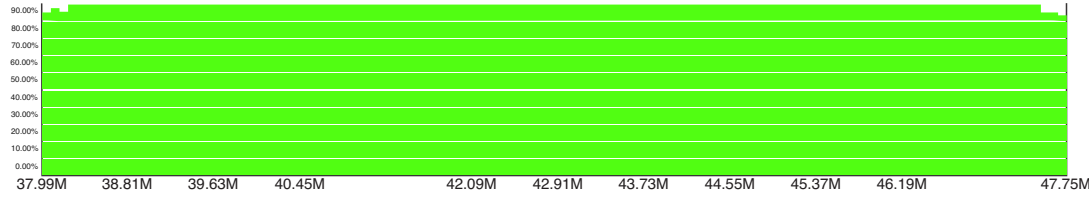
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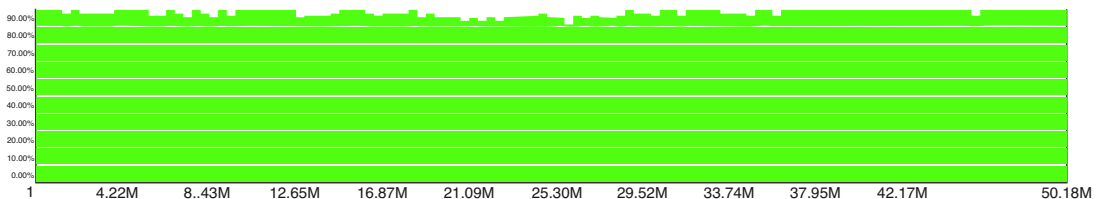
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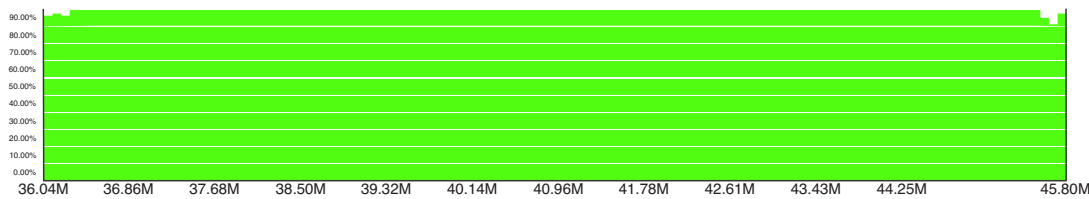
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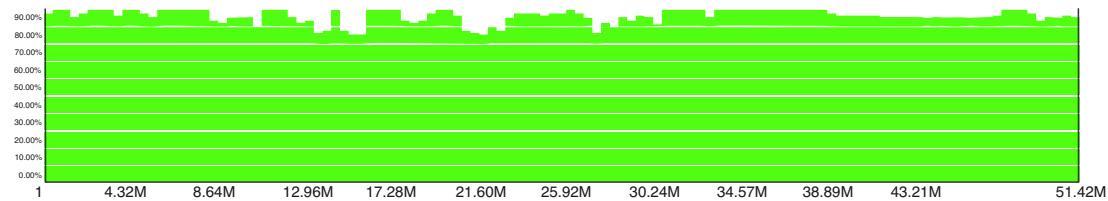
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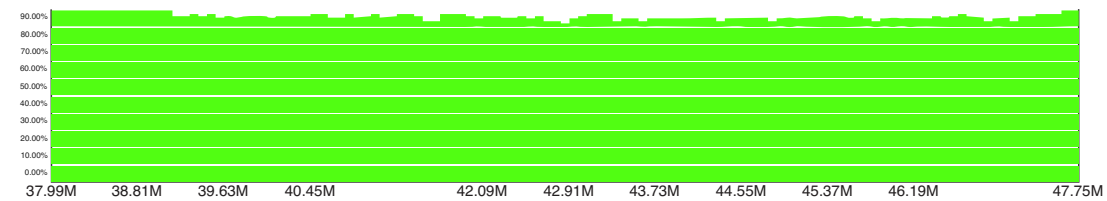
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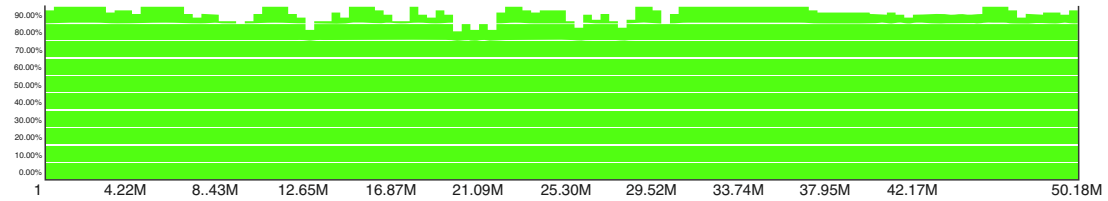
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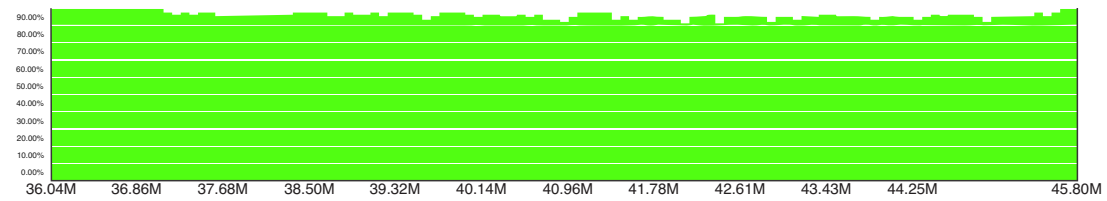
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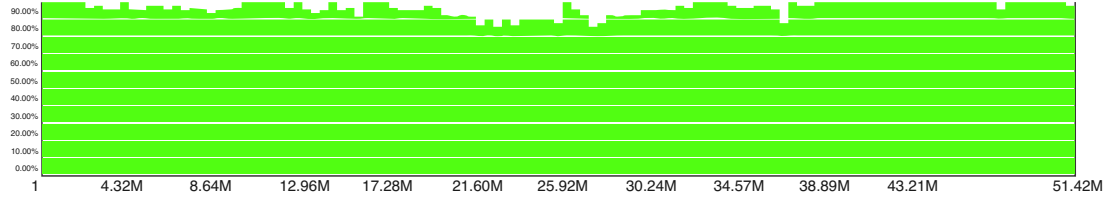
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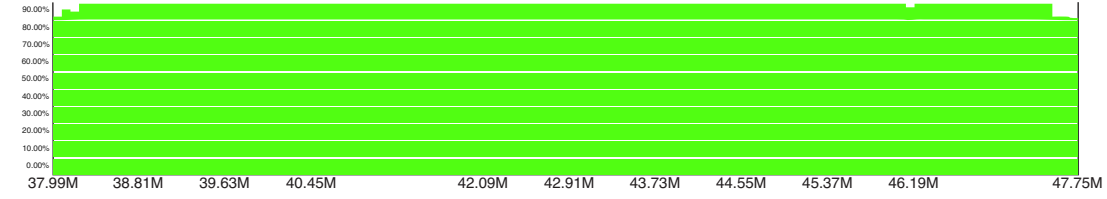
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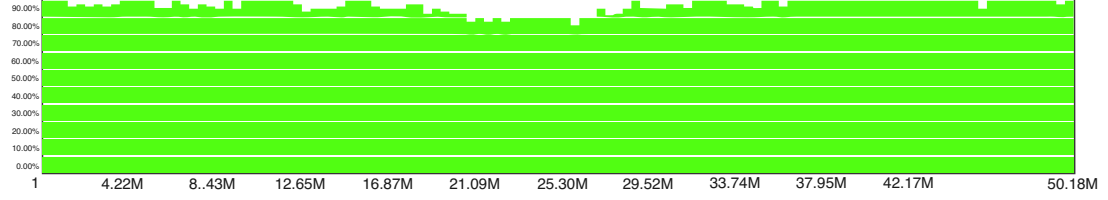
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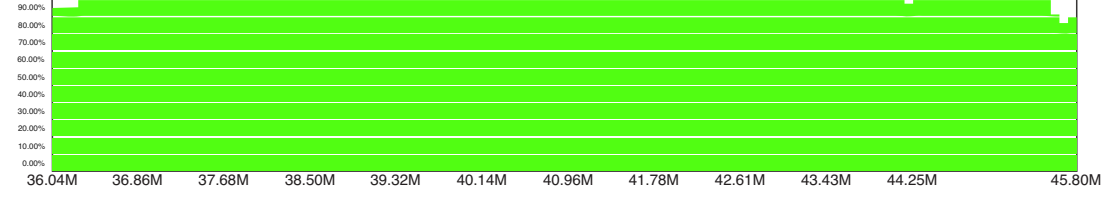
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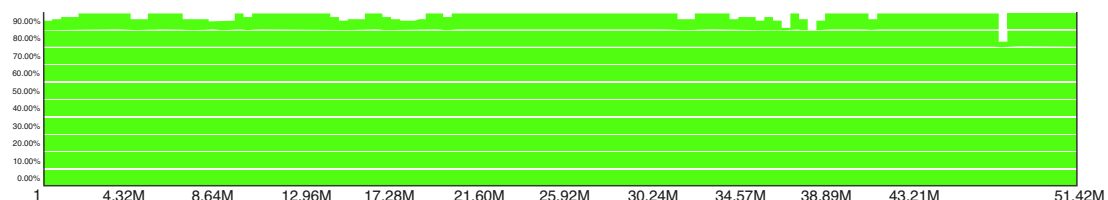
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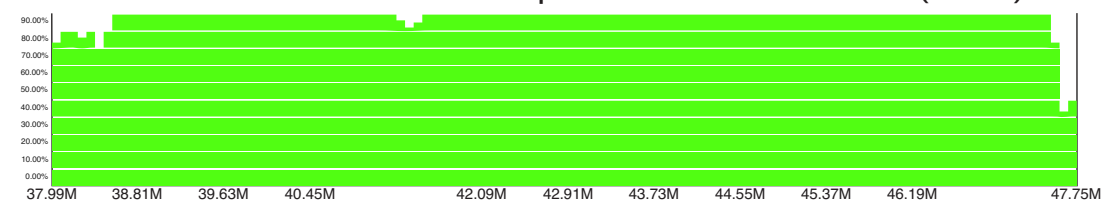
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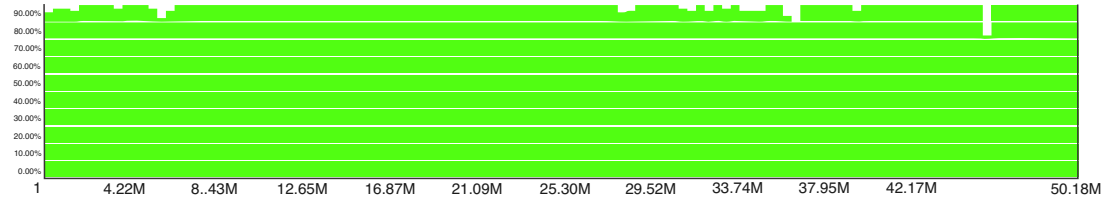
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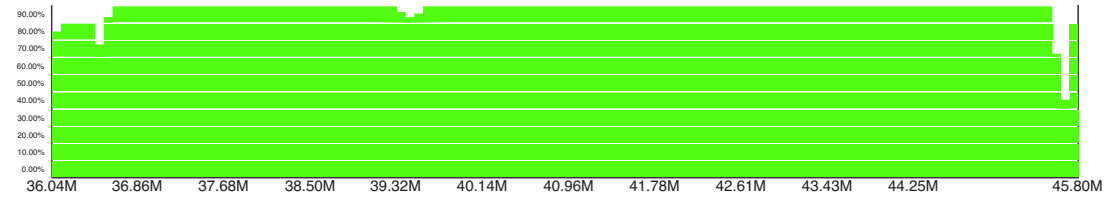
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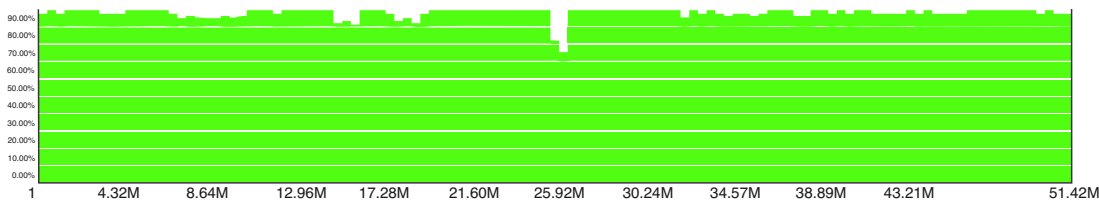
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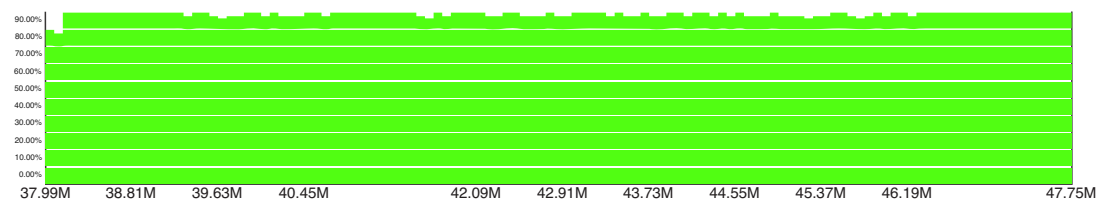
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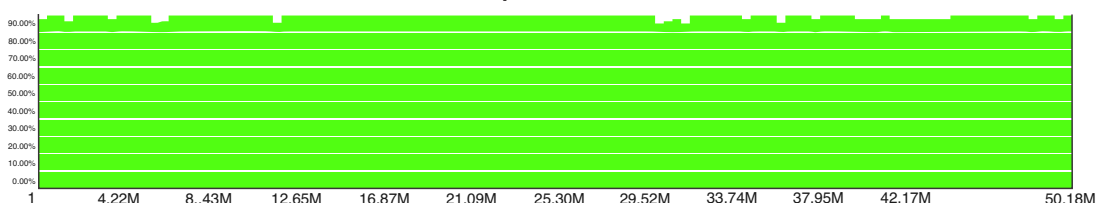
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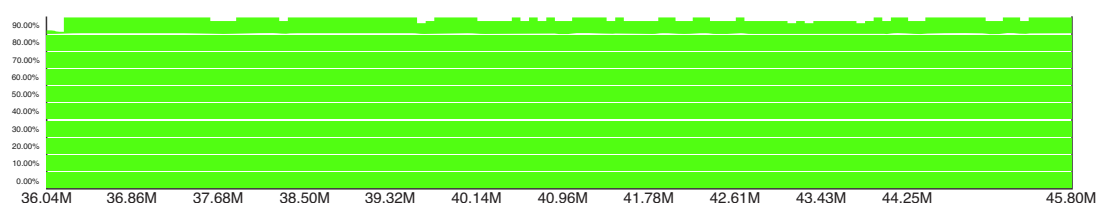
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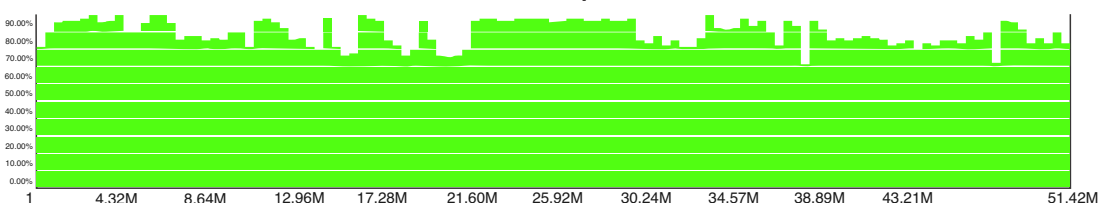
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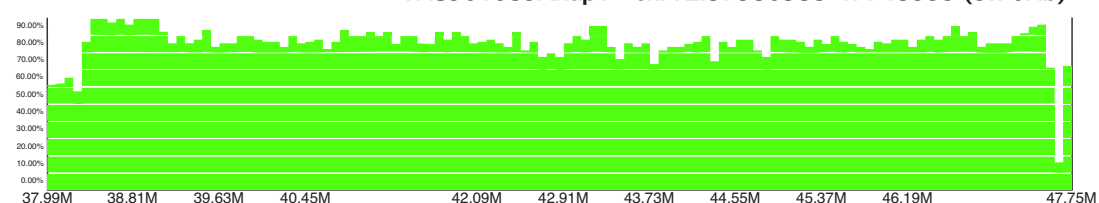
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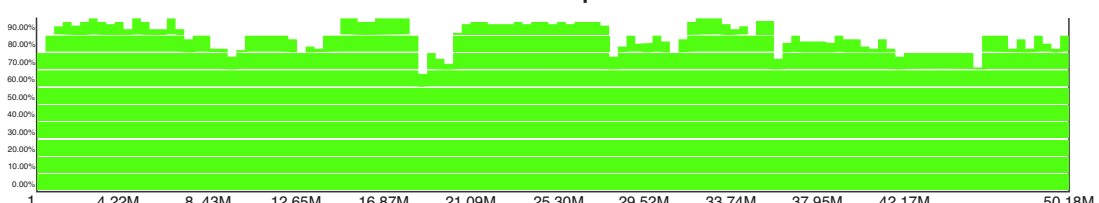
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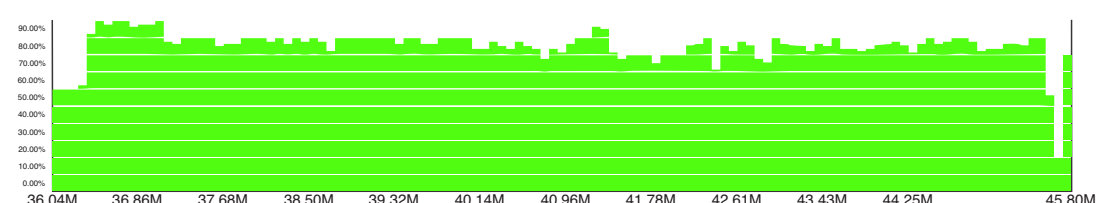
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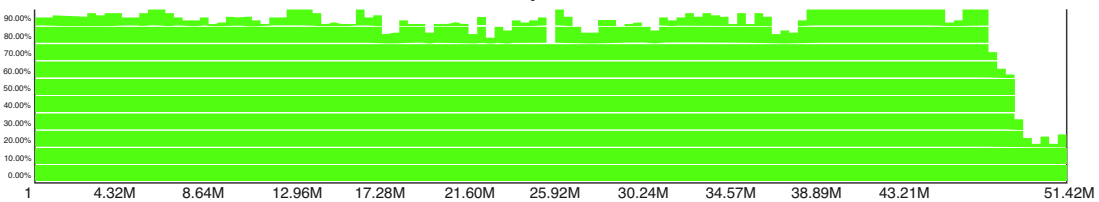
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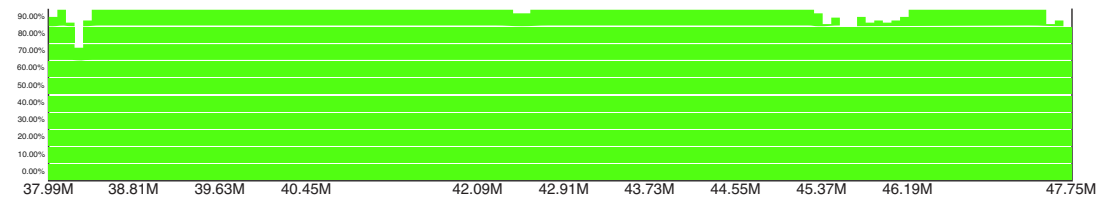
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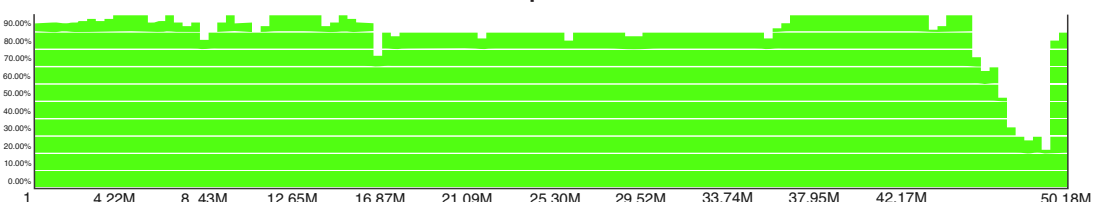
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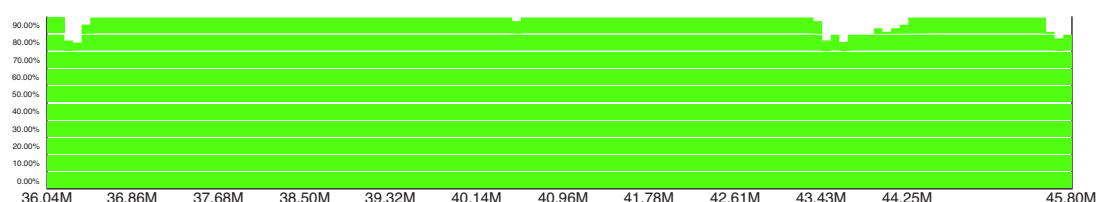
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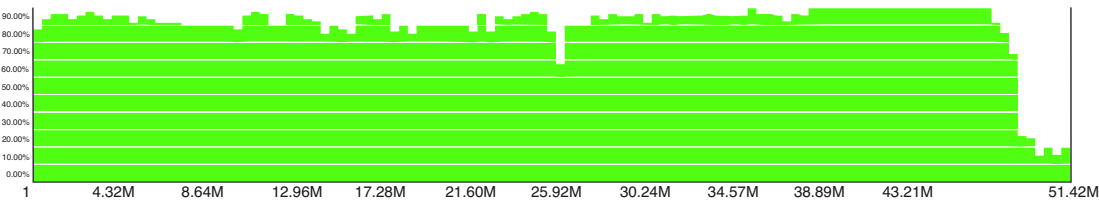
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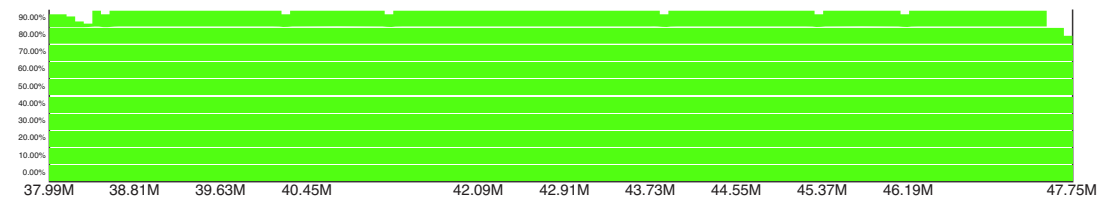
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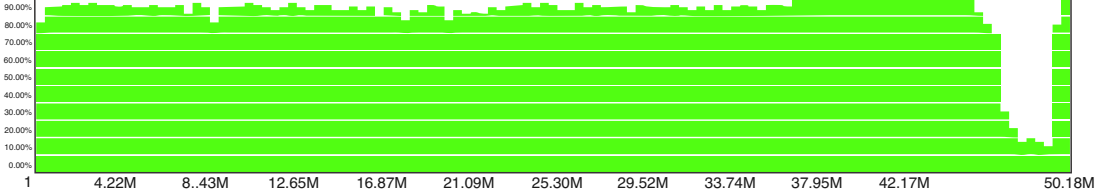
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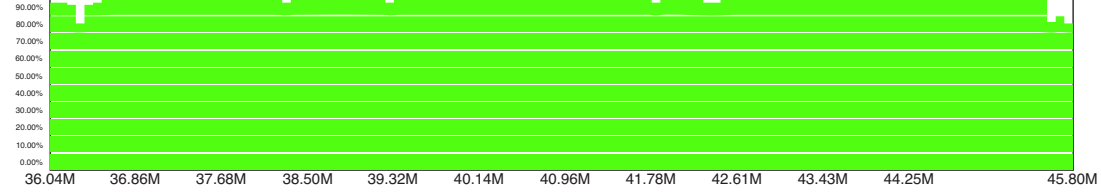
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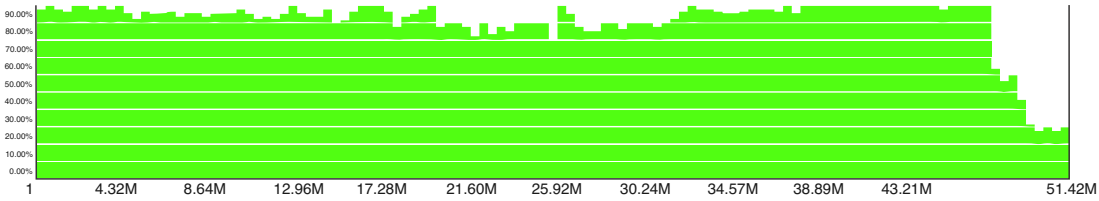
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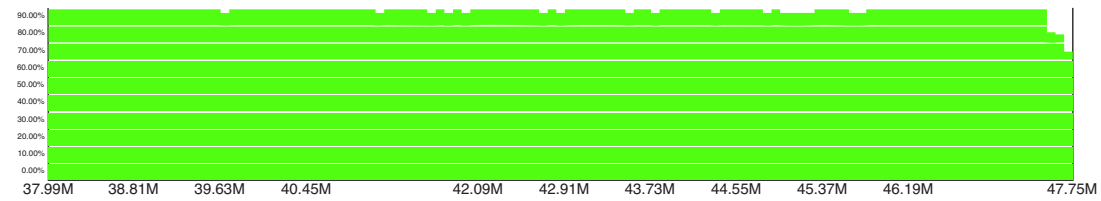
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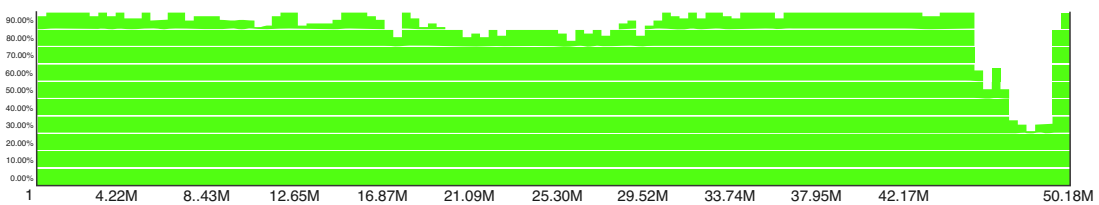
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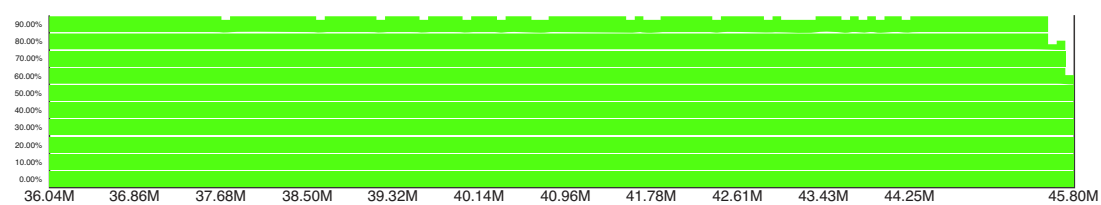
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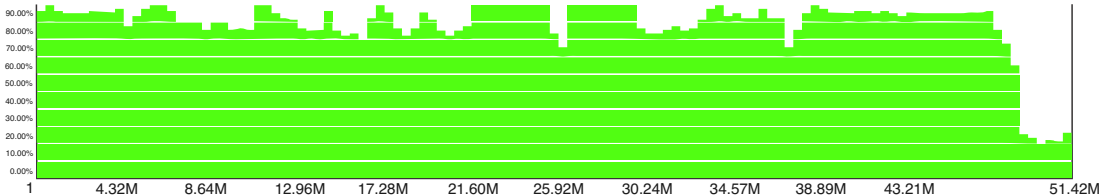
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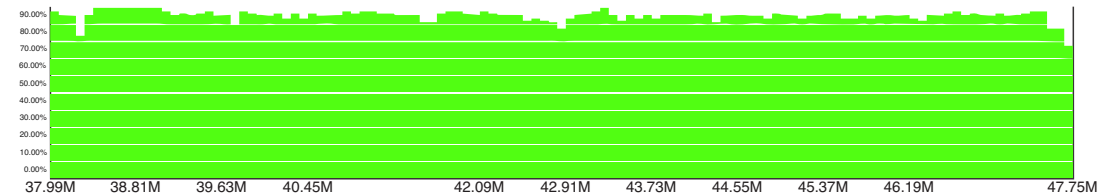
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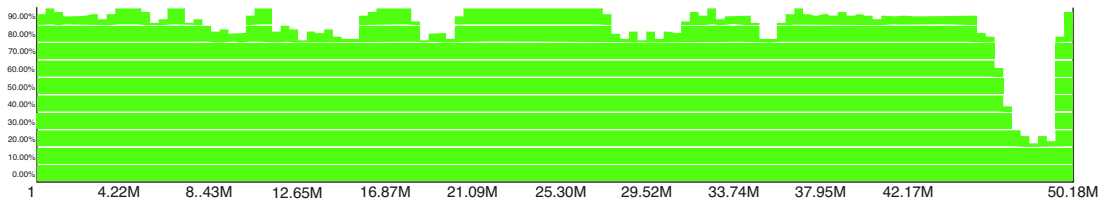
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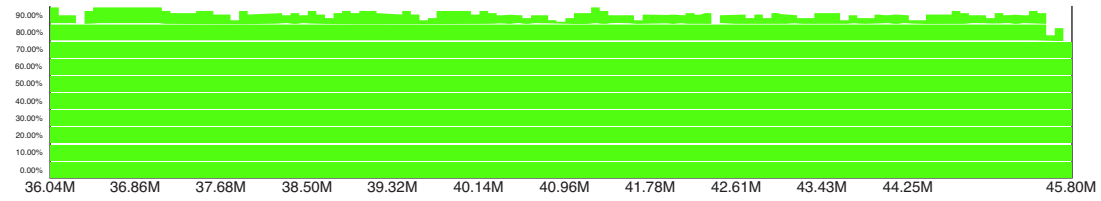
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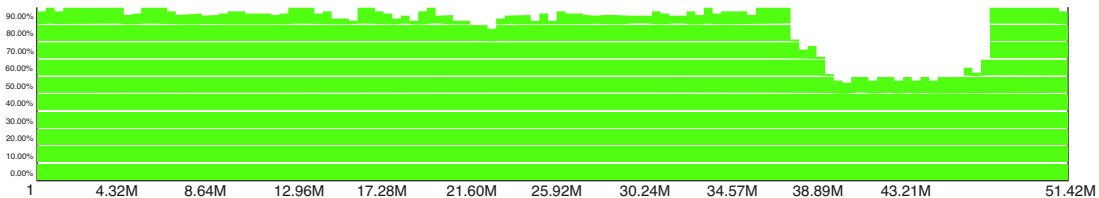
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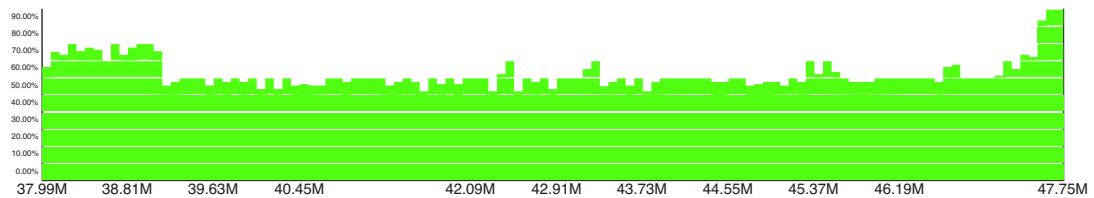
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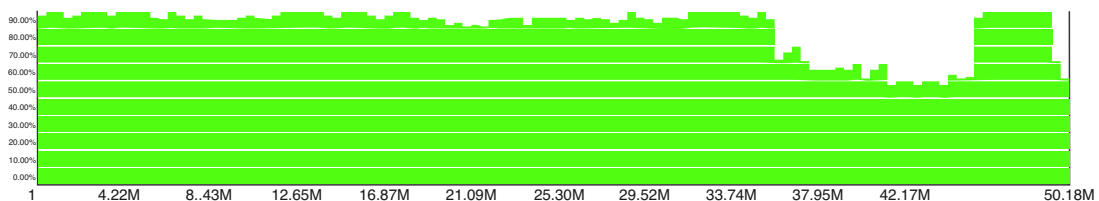
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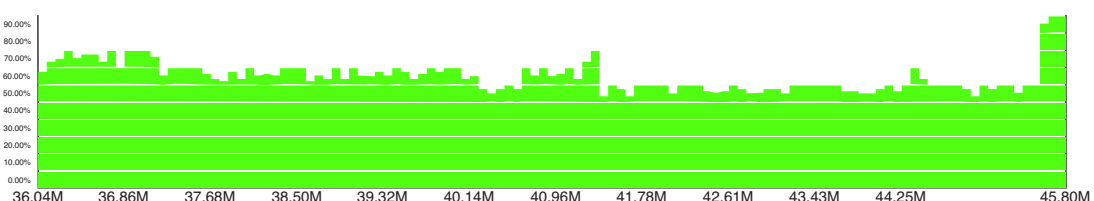
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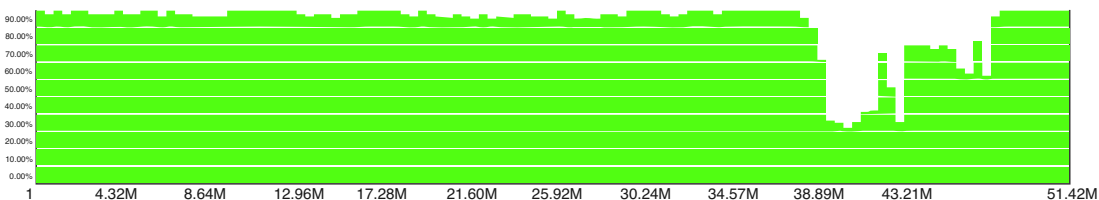
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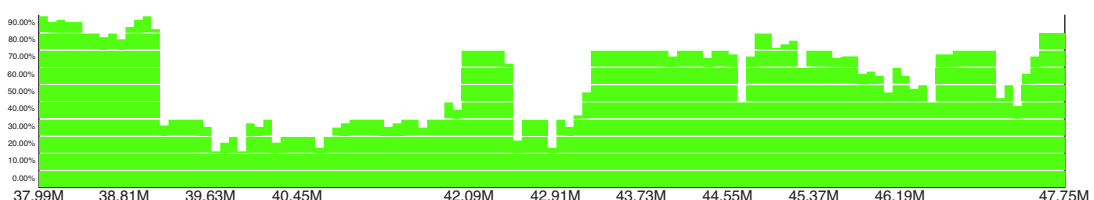
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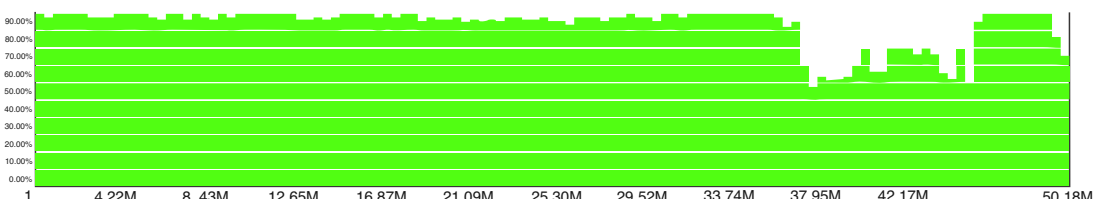
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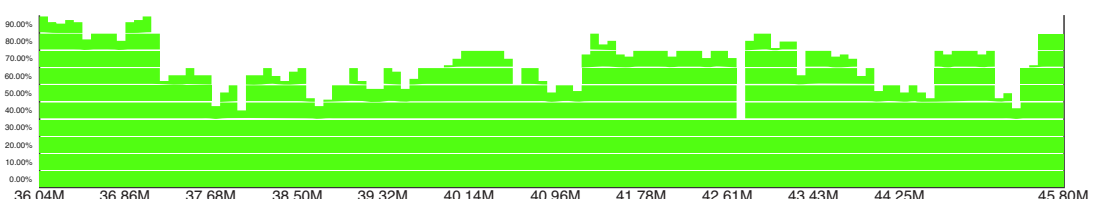
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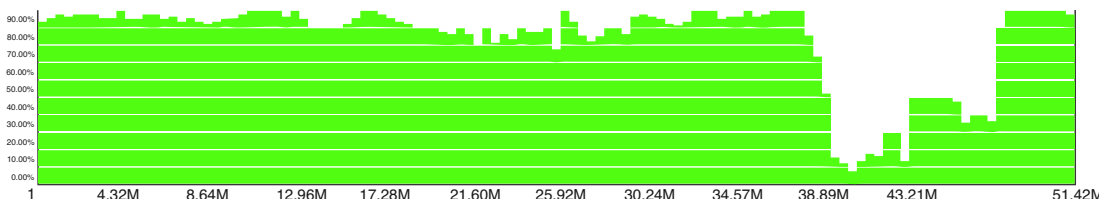
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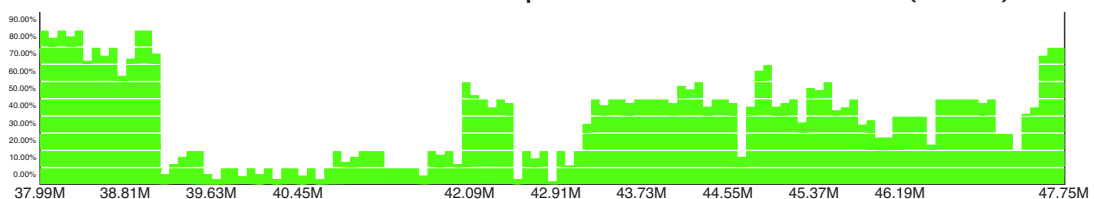
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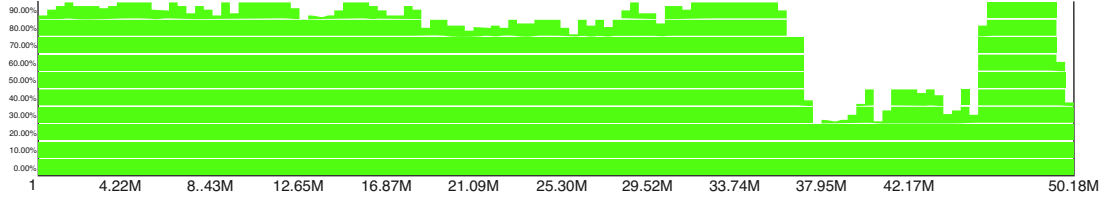
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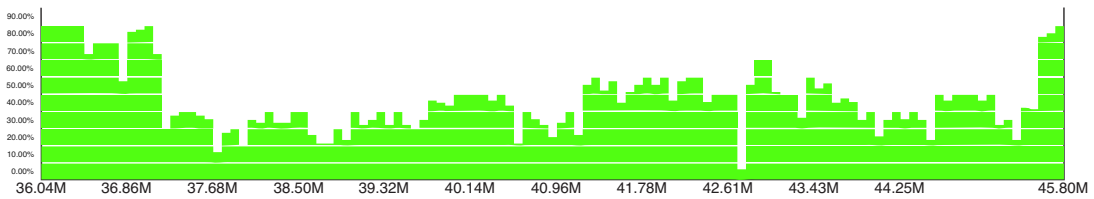
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TMEB419Hap2 - chr12



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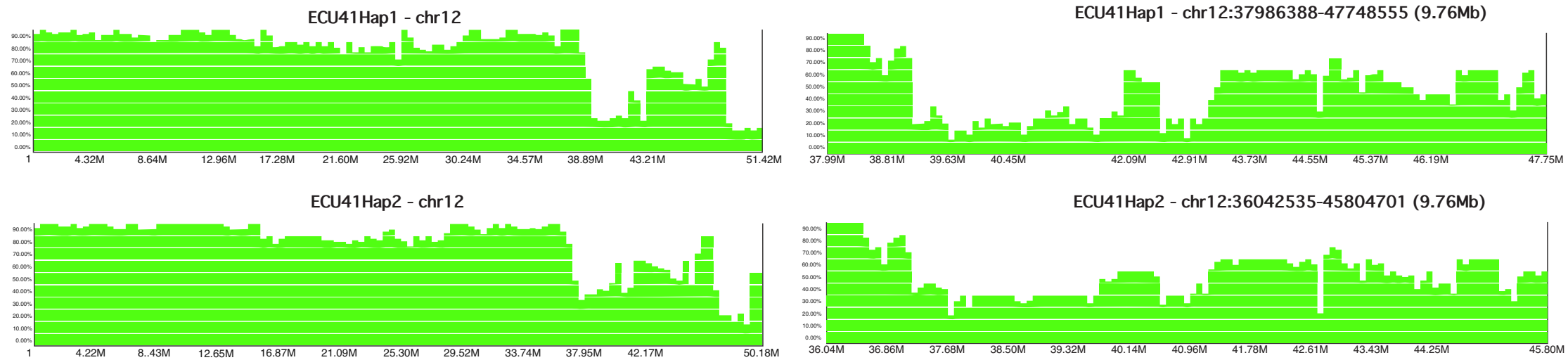


Fig. S2: Histogram of reads coverage plots for both haplotypes across the 16 cassava cultivars on chromosome 12 and insertion region

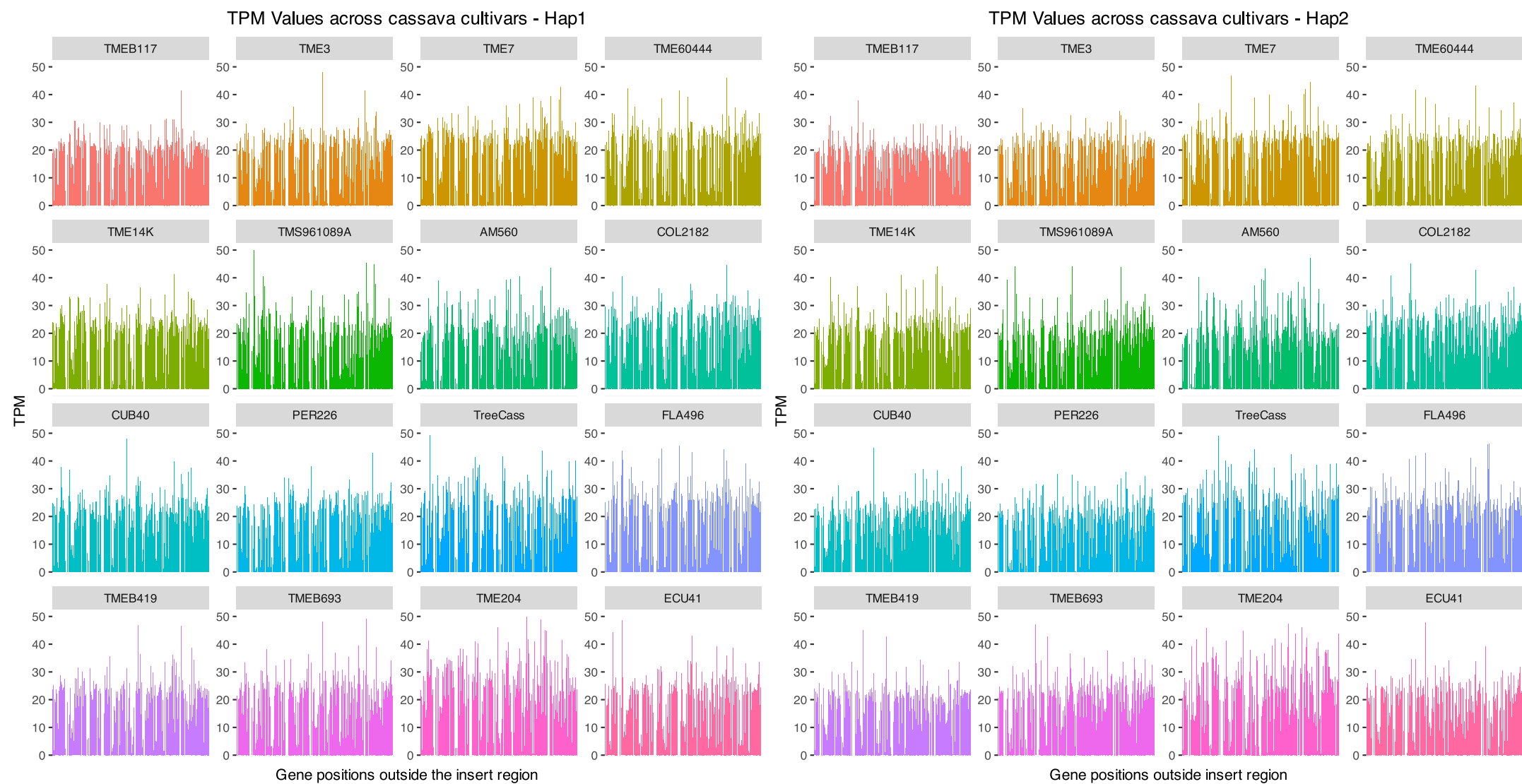


Fig. S3: Gene-by-gene bar plots of gene features outside the insert region 8Mb - (chr12:1,000,000-18,000,000) on both haplotypes

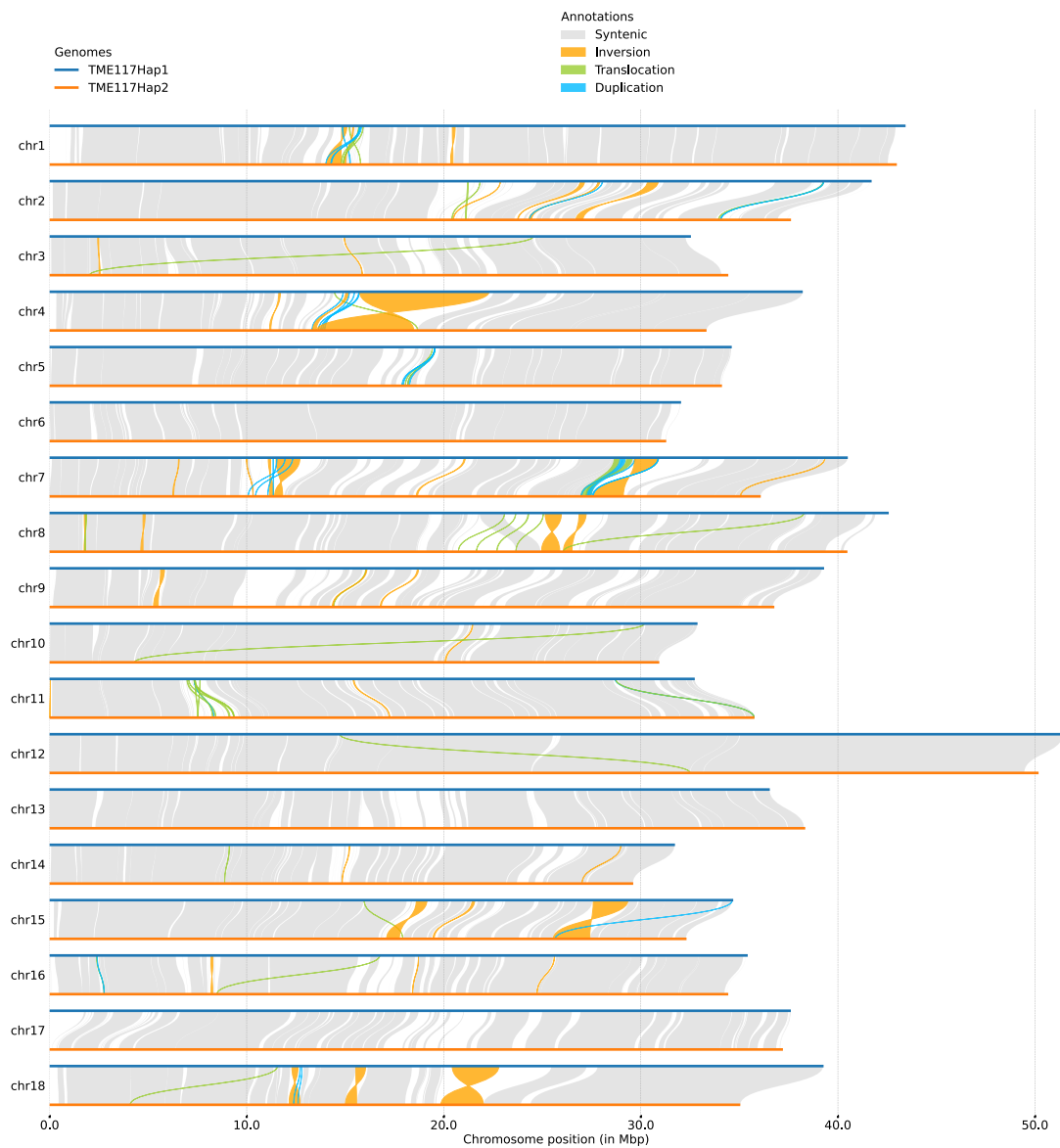


Fig. S4: Haplotypic structural variation within the TMEB117 genome

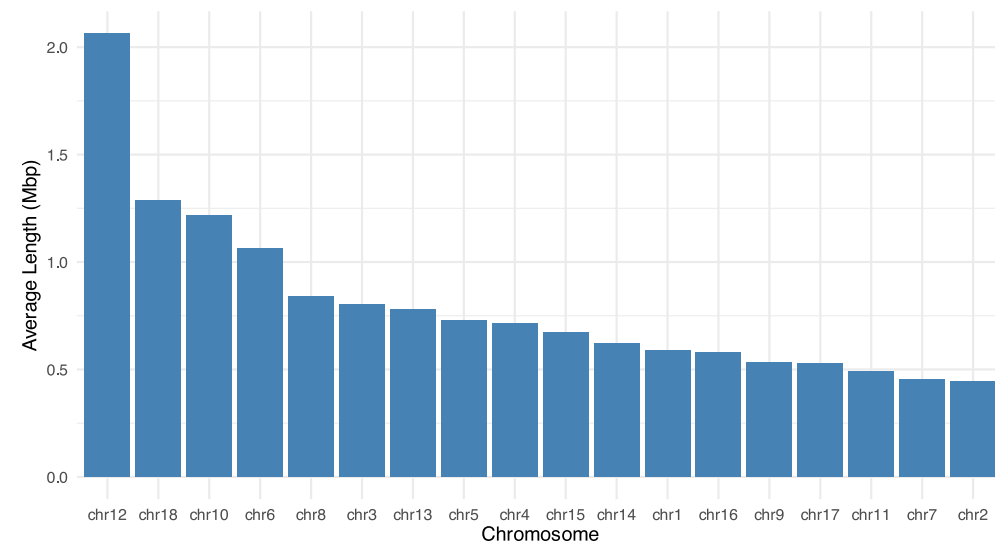
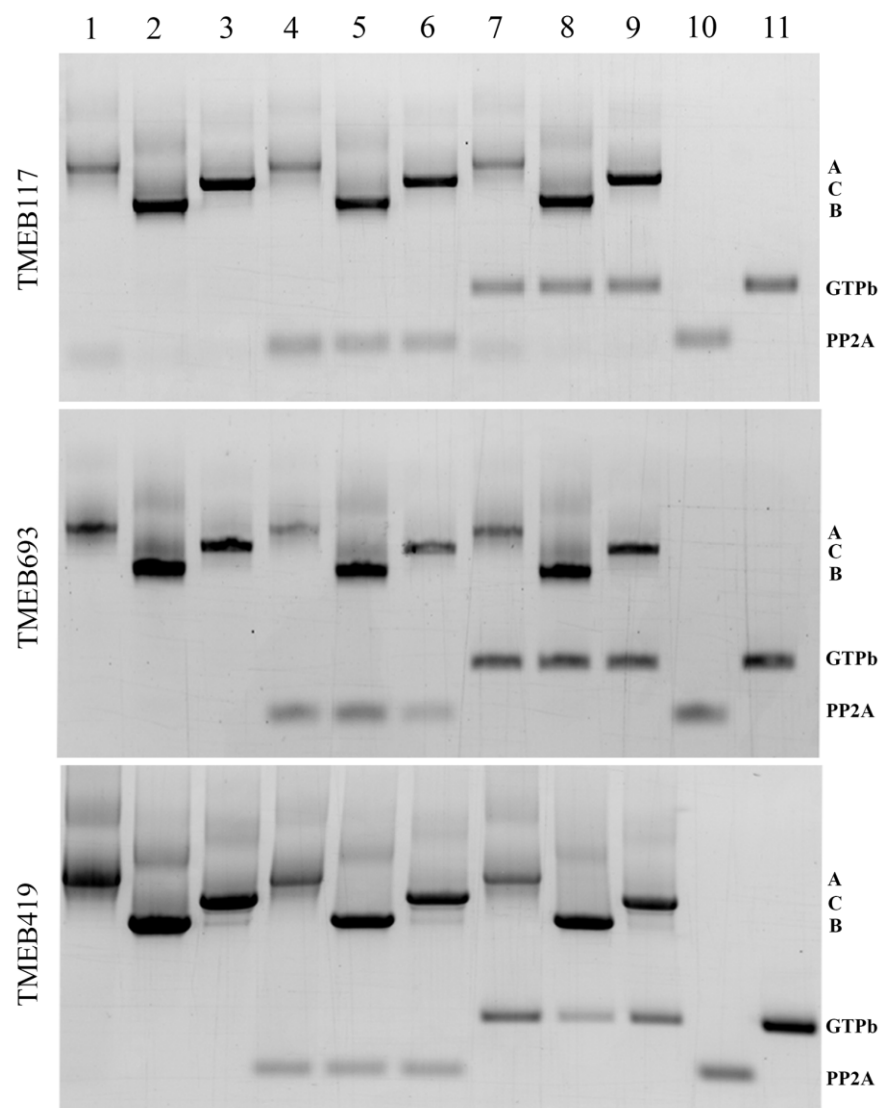


Fig. S5: Average length of syntenic blocks per chromosome



Lane 1: fragment A obtained with primers A (F and R)
Lane 2: fragment B obtained with primers B (F and R)
Lane 3: fragment C obtained with primers C (F and R)
Lane 4: fragment A and PP2A obtained with primers A (F and R) and primers PP2A (F and R)
Lane 5: fragment B and PP2A obtained with primers B (F and R) and primers PP2A (F and R)
Lane 6: fragment C and PP2A obtained with primers C (F and R) and primers PP2A (F and R)
Lane 7: fragment A and GTPb obtained with primers A (F and R) and primers GTPb (F and R)
Lane 8: fragment B and GTPb obtained with primers B (F and R) and primers GTPb (F and R)
Lane 9: fragment C and GTPb obtained with primers C (F and R) and primers GTPb (F and R)
Lane 10: PP2A obtained with primers PP2A (F and R)
Lane 11: GTPb obtained with primers GTPb (F and R)

Fig. S6: Electrophoresis gel analysis of PCR products. Insertion region fragments amplification from cassava genotypes TMEB117, TMEB693, TMEB419. Amplified genotypes are marked on the left side of the gel image panel. A list of primers used in this experiment is in Table S3.



Fig. S7: Synteny plots compared between TMEB117 Hap1 with TME7Phase0