Correlated changes in mitochondrial haplotype and nuclear allele frequencies: Beijing11 and *D.yakuba*
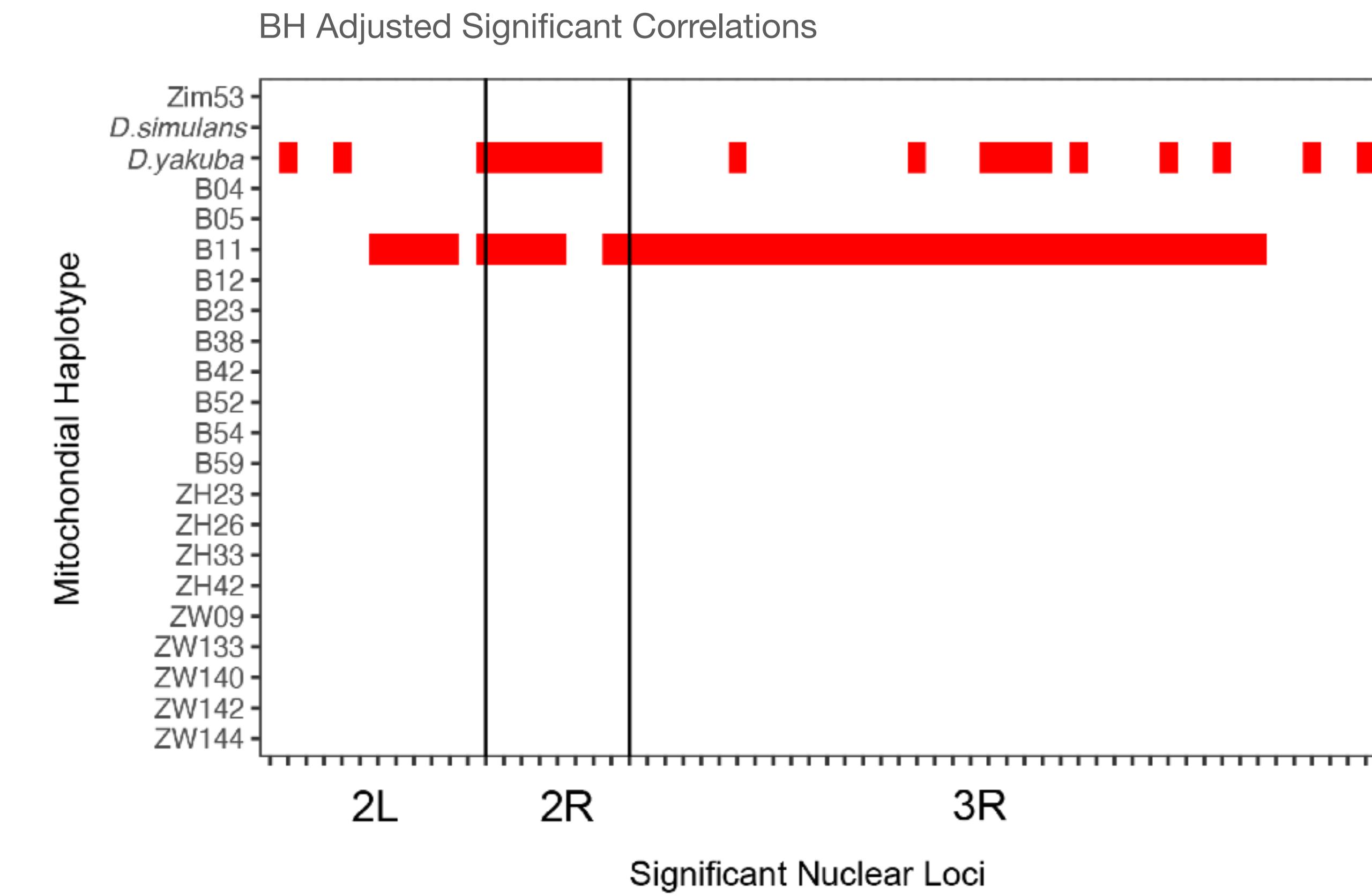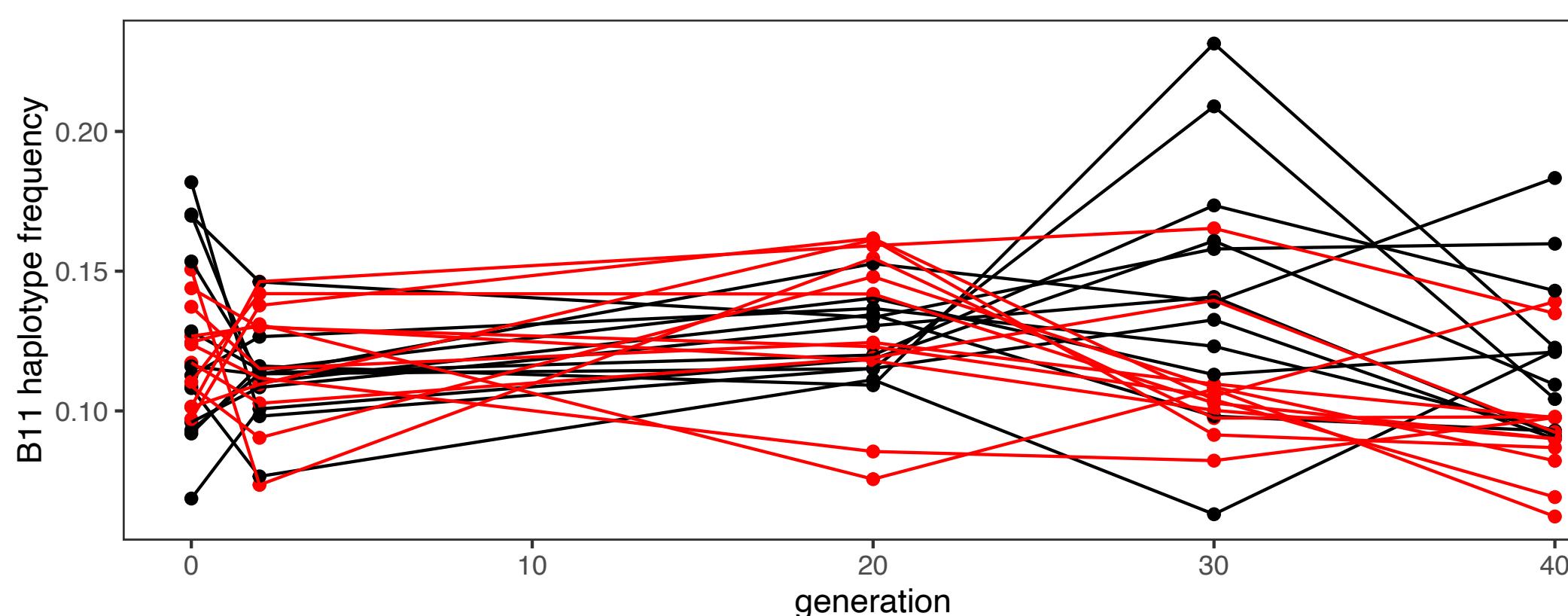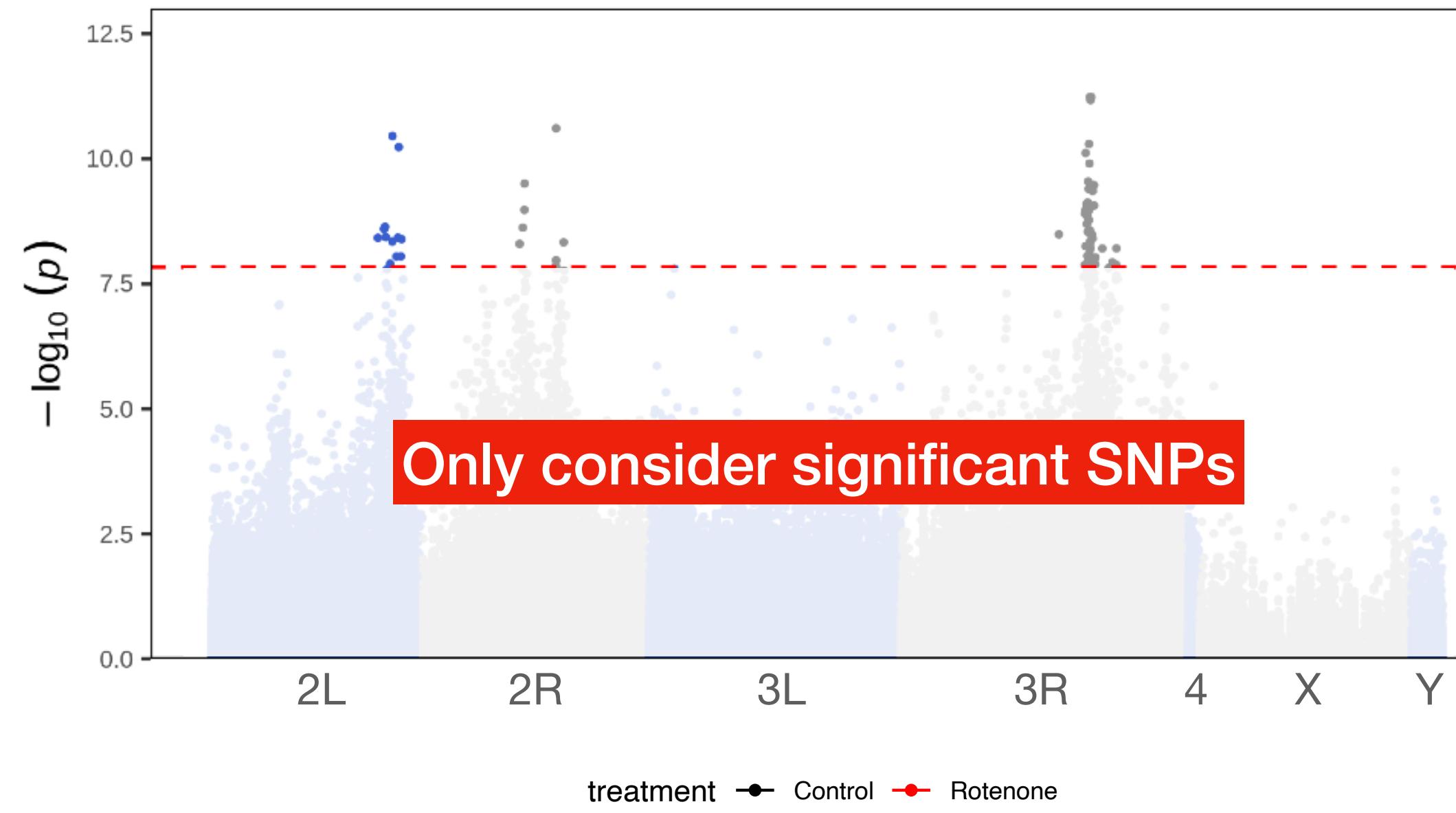

Manhattan plot of treatment effects

Only consider significant SNPs

BH Adjusted Significant Correlations

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Conclusion and future work

- Identified nuclear alleles (ex. Rab11) that respond to rotenone selection in parallel

- Identified selection signatures that were dependent on population history

- Majority of mitochondrial haplotypes did not differ between treatments but less divergent haplotypes were preferred in all environments

- Plan to sequence individual animals to directly test for mitonuclear interactions