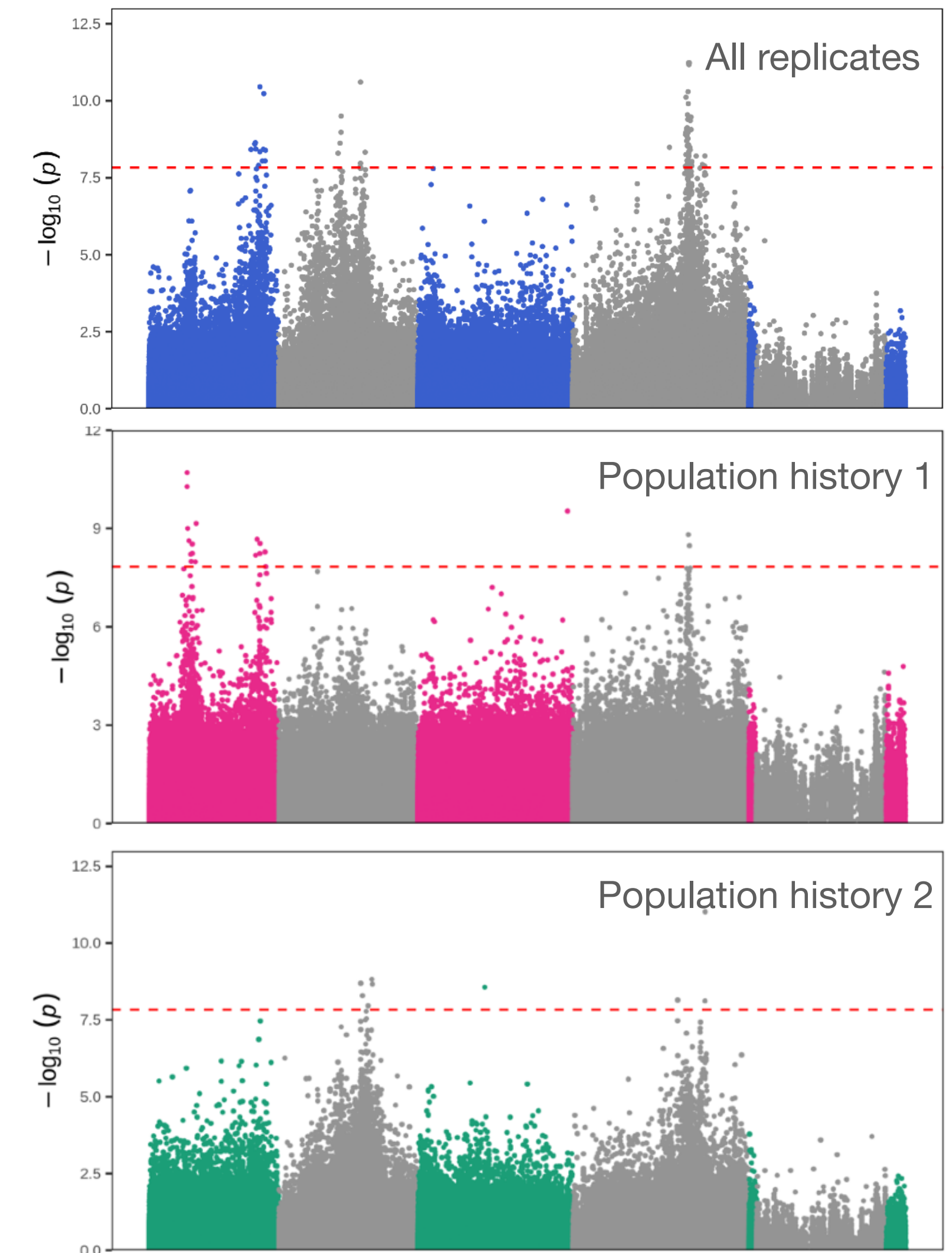
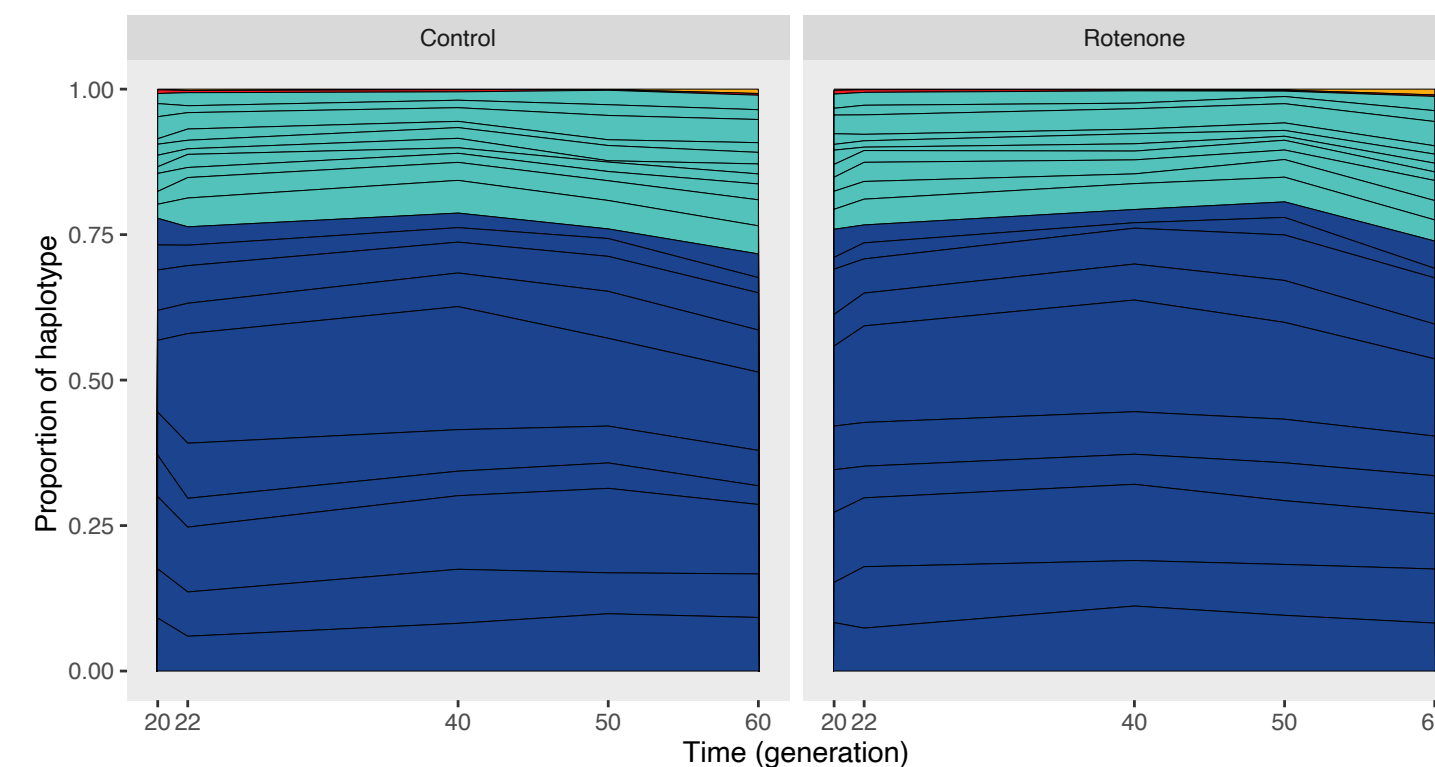


Conclusion and future work

- 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

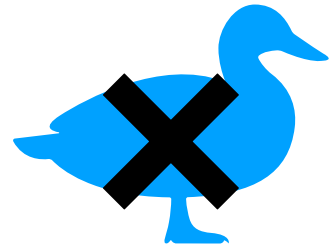


Thank you!

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Poster on Saturday at 1:30

Mitochondrial compatibility: How genotype shapes mate selection in *Drosophila melanogaster*

Program Number: 374S

C. Brown, Brown University; L. Darwin, Brown University; Y. Raynes, Brown University; R. Bachtel, Brown University; F. Lemieux, Brown University; D. Rand, Brown University.

