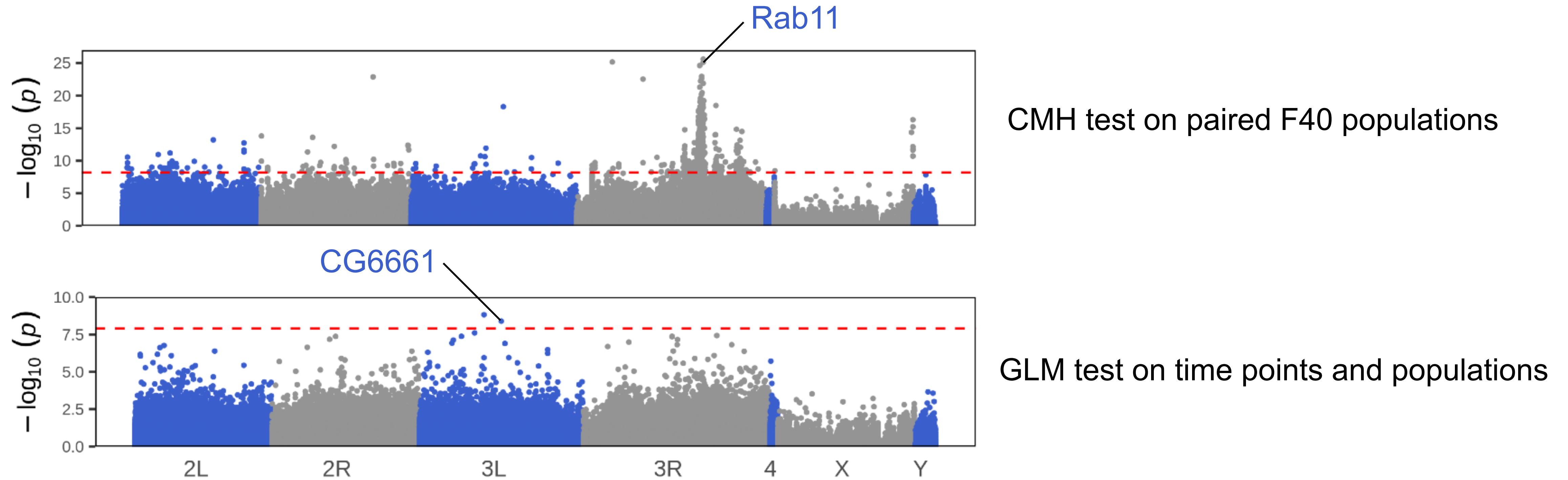


The effect of rotenone on nuclear allele frequencies



Rab11 Interacts with Parkin in mitophagy pathway and has been shown to rescue ATP production in human cell lines treated with rotenone

CG6661 Active in the mitochondrial matrix; predicted to have a role in response to oxidative stress

Conclusion and future work

- Mitochondrial variation plays a role in adaptation
- Selection against divergent mtDNAs (*D.sim*, *D.yak*)
- We identified nuclear loci that respond to rotenone selection
- Plan to sequence individuals to address mitonuclear interactions in adaptation

