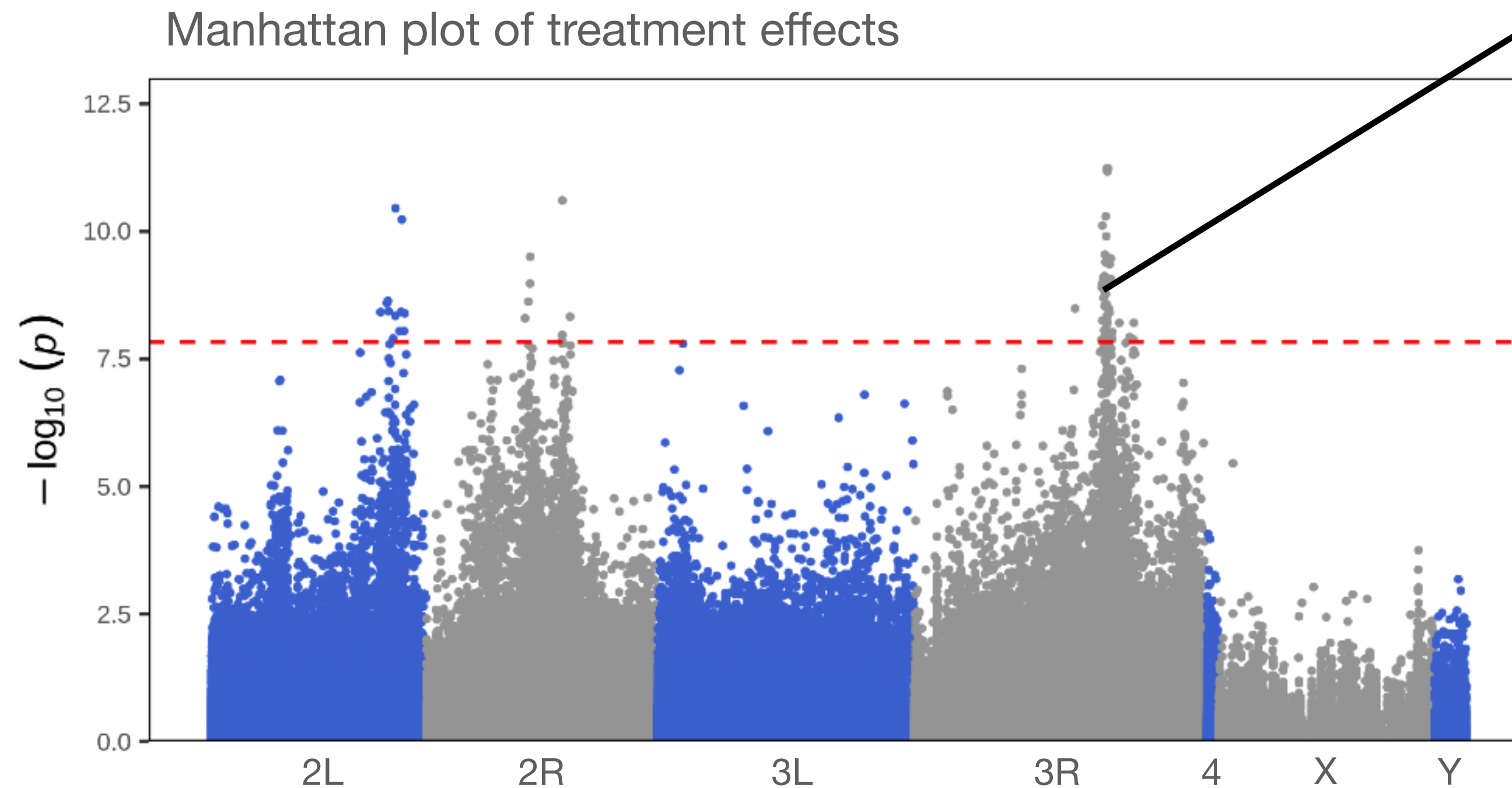
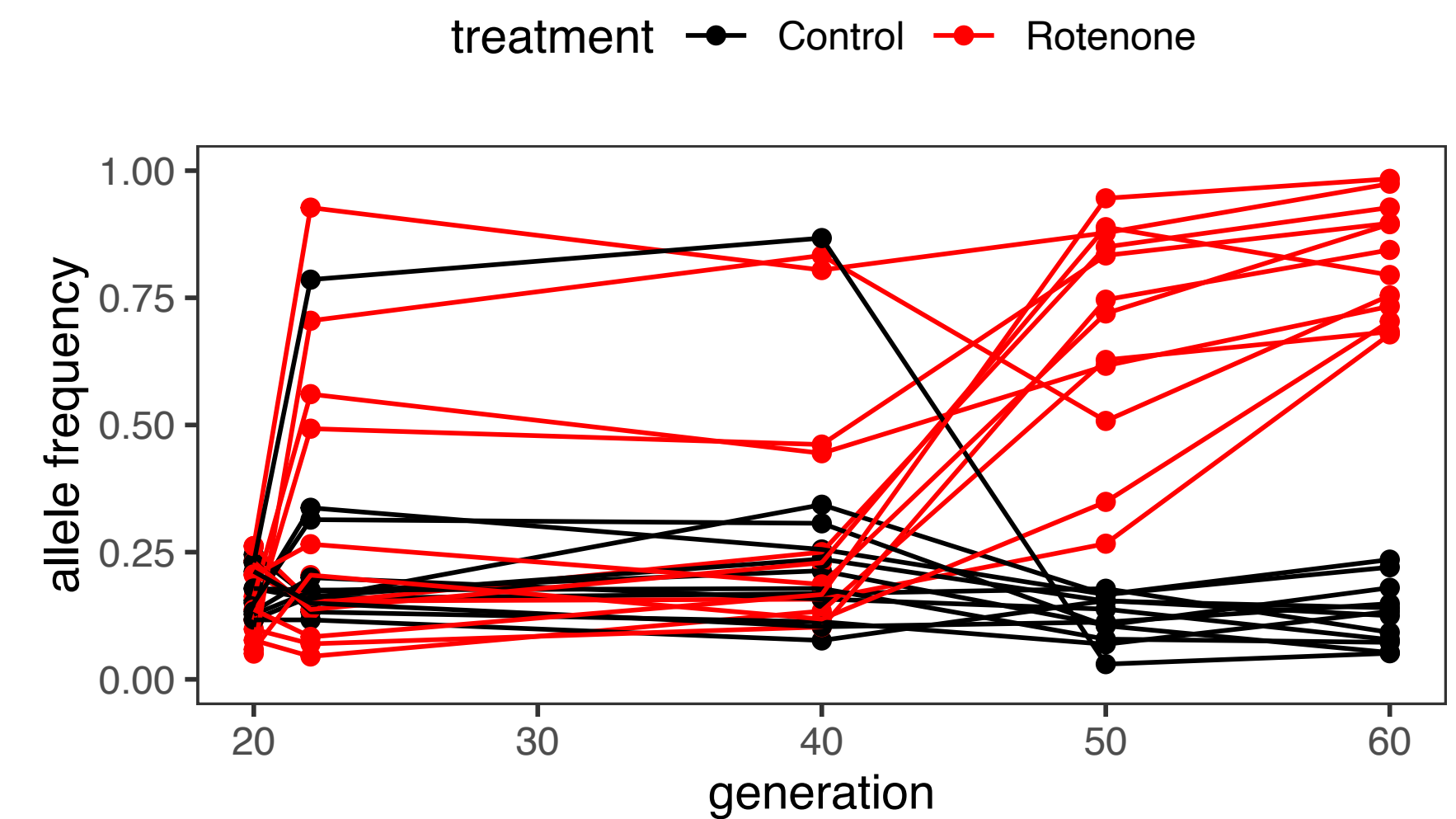


# The effect of rotenone on nuclear allele frequencies

$$SNP_i = \beta_0 + \beta_1 \text{Time} + \beta_2 \text{Treatment} + \beta_3 \text{Replicate} + \beta_4 \text{Time} \times \text{Treatment}$$



## Rab11 5 prime UTR variant



- Overexpression of Rab11 protective in *Drosophila* and human cell models of Parkinson's Disease
- Interacts with Parkin/Pink1 which regulates mitophagy

# Is adaptation in the nuclear genome contingent on the population history?

$$SNP_i = \beta_0 + \beta_1 \text{Time} + \beta_2 \text{Treatment} + \beta_3 \text{Replicate} + \beta_4 \text{Time} \times \text{Treatment}$$

