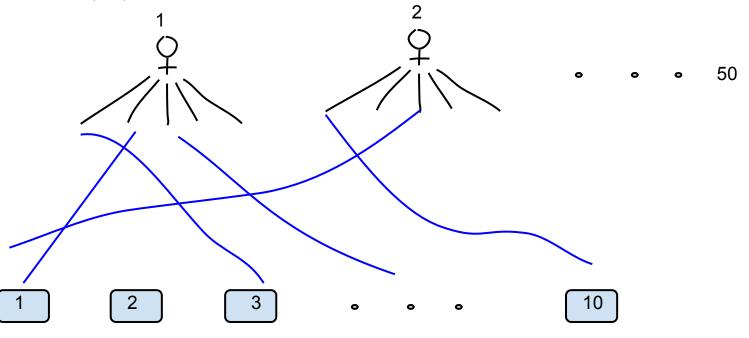


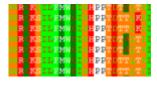
2) Randomize larvae into common garden colonies in lab (host queen unrelated to all)



3) Measure thermal tolerance traits



4) Genotype to identify sibs in each common garden colony



5) Estimate heritability of thermal tolerance using standard ggen

$$H^2 = Vg / Vp$$

6) Predict maximum response to climate change

$$R = H^2 \times S$$