

Figure S1. Copper tolerance phenotypes across all populations.

A) LT₅₀ values for the 71 natural strains collected in 2015 by the DrosEU consortium (see Additional File 4: Table S2A for the name of each strain). The majority of these strains were inbred between 15-20 generations before screening (Additional File 2: Table S1A). **B)** LT₅₀ values for the 26 isofemale strains from additional locations in Austria, Portugal and Italy collected in 2011 and 2018. The strains in each chart are arranged in order of ascending LT₅₀ (see Additional File 4: Table S2A). Bar colour corresponds to copper concentration, as per the map in Additional File 1: Fig. 1A. The cooler colours refer to low copper concentrations and the warmer colours refer to high copper concentrations. Error bars represent 95% CI of the probit slope. The pink labels in **A)** represent the three sensitive strains and the blue labels represent the three tolerant strains that were subject to subsequent differential expression analysis and genome sequencing.



