

Additional File 1. Observed mean Mass and standard errors for each line cross type plotted against expected values (solid line) under **A)** additive only model ($\mu_0 + b_S$), **B)** additive + dominance model ($\mu_0 + b_S + b_H$), **C)** additive + dominance + additive epistasis model ($\mu_0 + b_S + b_H + b_{SS}$), or **D)** additive + dominance + additive epistasis + dominance epistasis model ($\mu_0 + b_S + b_H + b_{SS} + b_{HH}$).

