

Figure S4

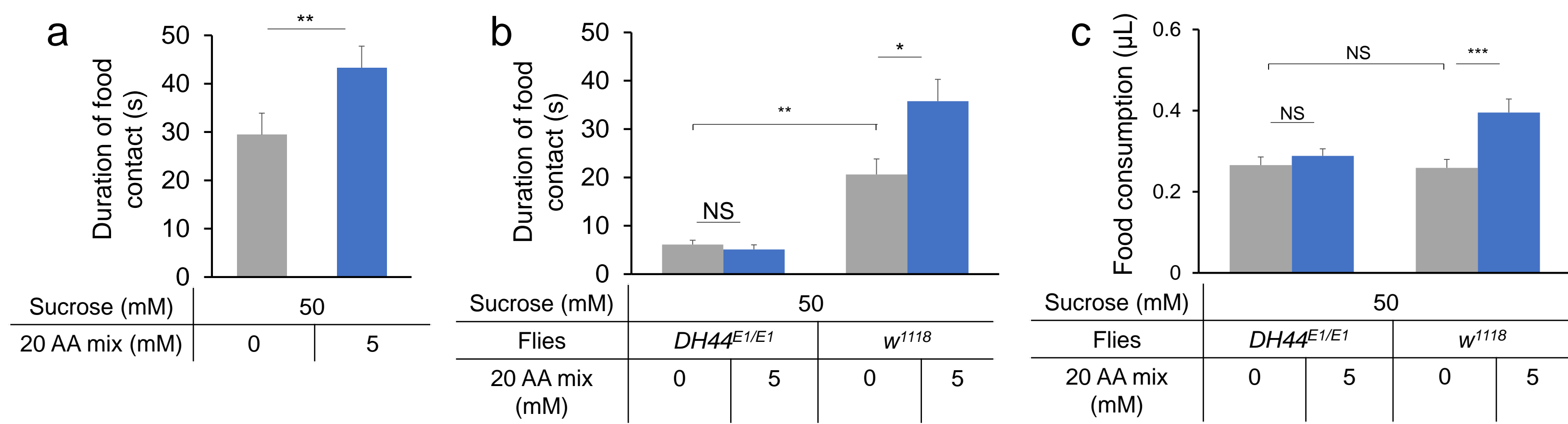


Figure S4. Dietary amino acids promotes food consumption in free moving flies.

(a) Duration of food contact of *Canton-S* flies when fed with sucrose alone (grey) or sucrose plus amino acid mixture (blue) in the FLIC assay (n=29-34). (b) Duration of food contact of *DH44^{E1/E1}* mutant and control flies when fed with 50 mM sucrose in presence (blue) or absence (grey) of 5 mM amino acid mixture (n=19-34). (c) Volume of 50 mM sucrose in presence (blue) or absence (grey) of 5 mM amino acid mixture consumed by indicated genotypes (n=21-25). Virgin females were used for all experiments shown in this figure. Data are shown as means (\pm SEM). NS, $P > 0.05$; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$; **** $P < 0.0001$.