**Supplementary Table 1**. **G-protein mutant strains used in this study**

**Abbr. Full description Strain properties**

wt Canton S, wild type

Gαo *OR83b-Gal4; UAS-Gαo* overexpression of wt Gαo in OR83b neurons

Gαo-GTP *OR83b-Gal4; UAS-Gαo-GTP* overexpression of GTP bound Gαo, constitutive

 active G-protein variant (deficient GTPase activity)

Gαo-GDP *OR83b-Gal4; UAS-Gαo-GDP* overexpression of GDP bound Gαo, inactive G-

 protein variant

PTX Pertussis toxin inhibits specifically Goα by catalyzing ADP-

 ribosylation of Gαo [31,32]

Gαq-GTP *OR83b-Gal4; UAS-Gαq-GTP* overexpression of GTP bound Gαq, constitutive

 active G-protein variant (deficient GTPase activity)

Gαi-wt *OR83b-Gal4; UAS-Gαi* overexpression of wt Gαi in OR83b neurons

Gαi-GTP *OR83b-Gal4; UAS-Gαi-GTP* overexpression of GTP bound Gαi, constitutive

 active G-protein variant (deficient GTPase activity)

Gαs-wt *OR83b-Gal4; UAS-Gαs* overexpression of wt Gαs in OR83b neurons

Gαs-GTP *OR83b-Gal4; UAS-Gαs-GTP* overexpression of GTP bound Gαs, constitutive

 active G-protein variant (deficient GTPase activity)

CTX Cholera toxin ADP-ribosyltransferase activating Gαs [33]

OR83b K.O. *Or83b2/Or83b2* Or83b knock-out flies [10]