



S4 Fig. PAML branch-model tests between primary amine detecting TAARs (TAAR1 and TAAR3) and tertiary amine detecting TAARs (TAAR7 and TAAR8). All tests were performed comparing the two hypotheses: R1 (a single ω for all branches) and R2 (two independent ω 's: ω_1 for the red lineage and ω_0 for the black lineages). The number of the genes included in each TAAR subfamily is given in parentheses after the subfamily name. For the likelihood ratio test statistics, $2\Delta\ln L$, P -values (shown in parentheses) are obtained based on a χ^2 distribution with d.f. = 1. Significant P -values (< 0.05) are shown in boldfaces.