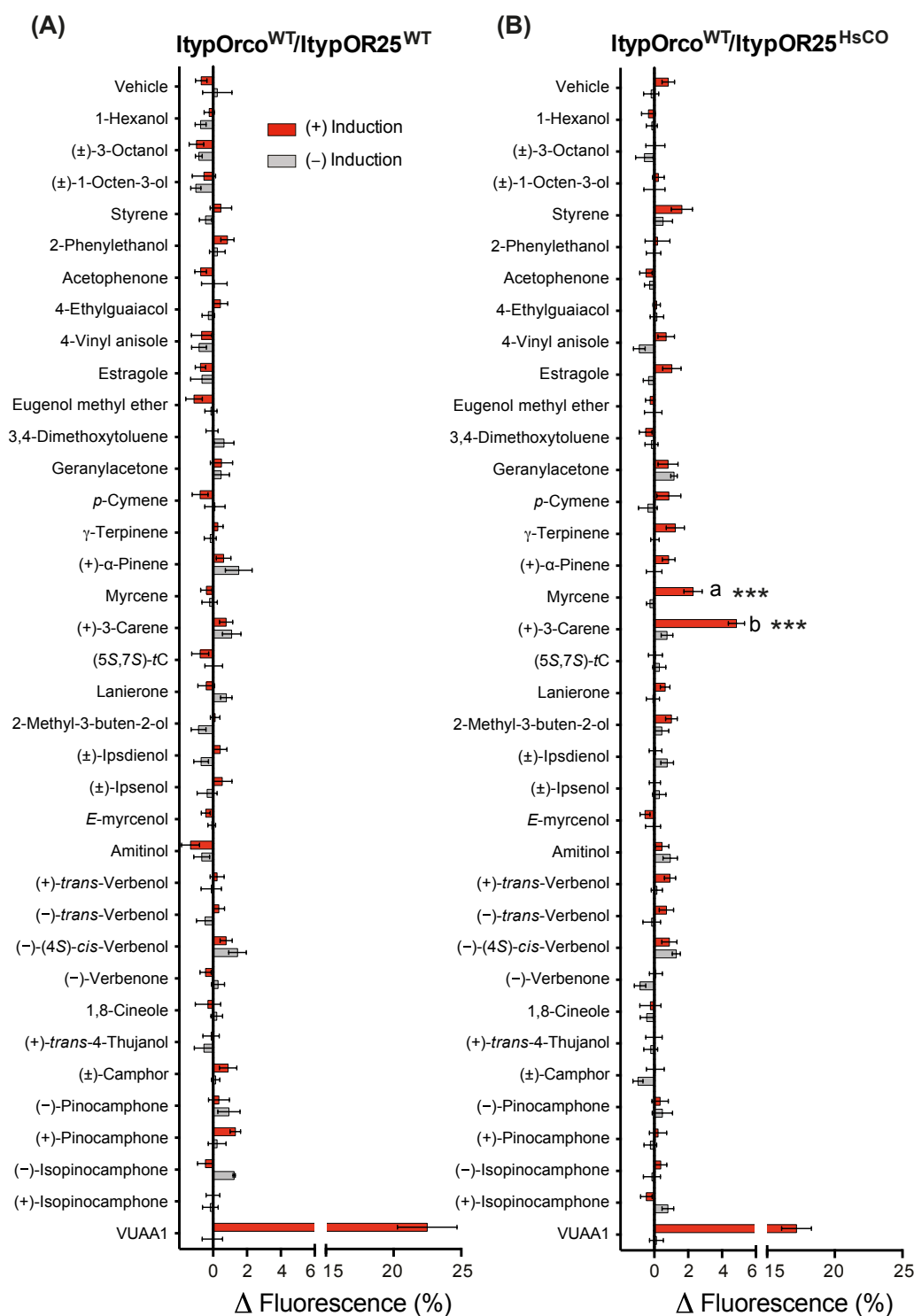




Supplementary Figure 1. Response of cells co-expressing wildtype *I. typographus* Orco (ItypOrco^{WT}) and wildtype or codon optimized (HsCO) ItypOR25 to the full test odor panel. (A) ItypOR25^{WT} did not respond to any compound in the screening experiments (30 μ M concentration; $n = 2$ biological replicates; $n_{\text{total}} = 6$). (B) ItypOR25^{HsCO} responded primarily to (+)-3-carene and secondarily to myrcene in the screening experiment ($n = 3$ biological replicates; $n_{\text{total}} = 9$). Asterisks (*) indicate significantly higher response in induced versus non-induced cells at $p < 0.001$, and different lowercase letters indicate significant differences between compounds at $p < 0.001$. Error bars show SEM. Abbreviation: (5*S*,7*S*)-*t*C = (5*S*,7*S*)-*trans*-conophthorin.**