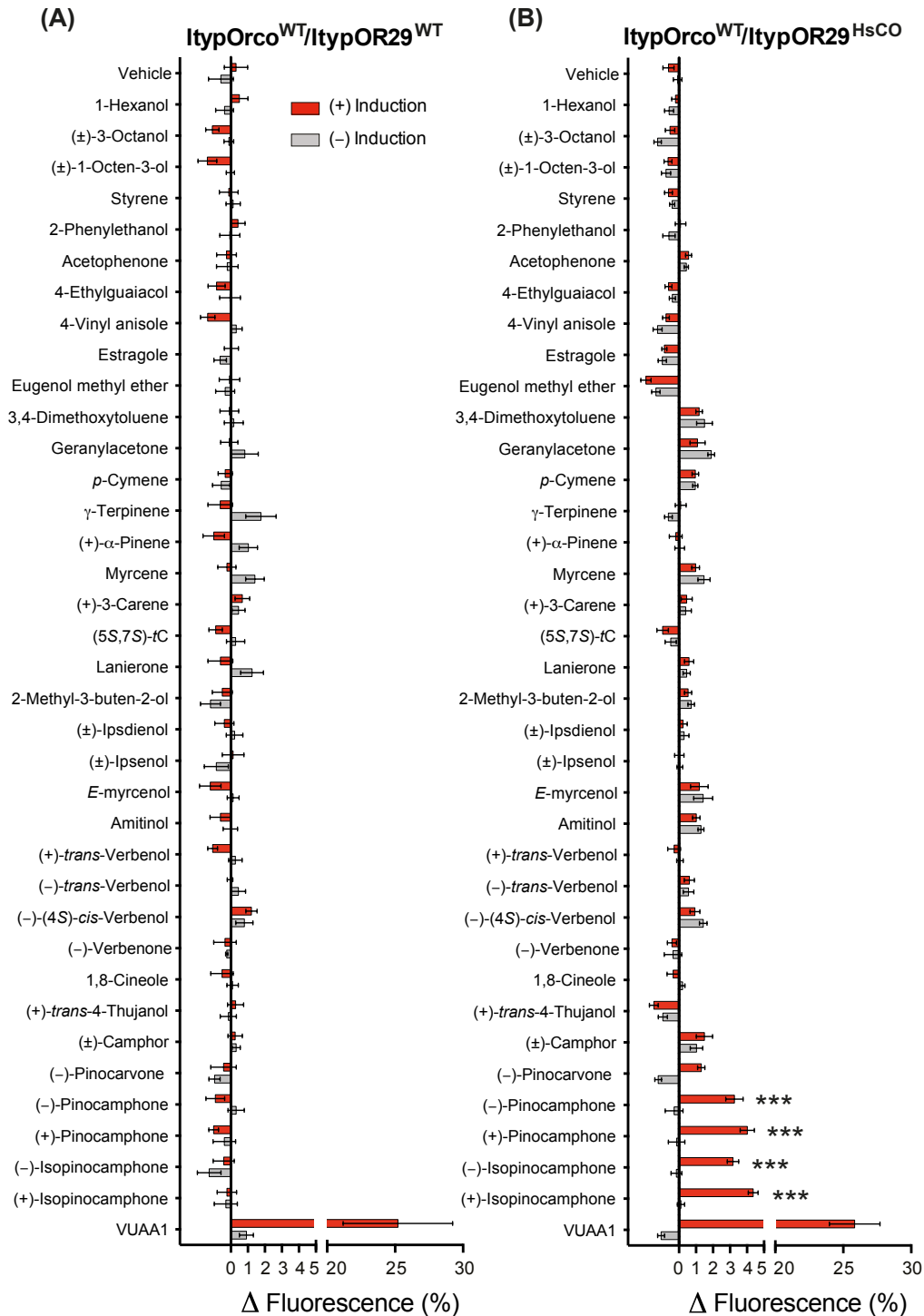




Supplementary Figure 2. Response of cells co-expressing wildtype *I. typographus* Orco (*ItpOrco*^{WT}) and wildtype or codon optimized (HsCO) *ItpOR29* to the full test odor panel. (A) *ItpOR29*^{WT} did not respond to any compound in the screening experiments (30 μM concentration; n = 2 biological replicates; n_{total} = 6). (B) *ItpOR29*^{HsCO} responded primarily to (+)-isopinocamphone followed by (+)-pinocamphone, (-)-pinocamphone, and (-)-isopinocamphone in the screening experiment (n = 3 biological replicates; n_{total} = 9). Asterisks (*) indicate significantly higher response in induced versus non-induced cells at p < 0.001. Responses to the four active compounds were not significantly different (p = 0.059). Error bars show SEM. Abbreviation: (5*S*,7*S*)-tC = (5*S*,7*S*)-*trans*-conophthorin.**