

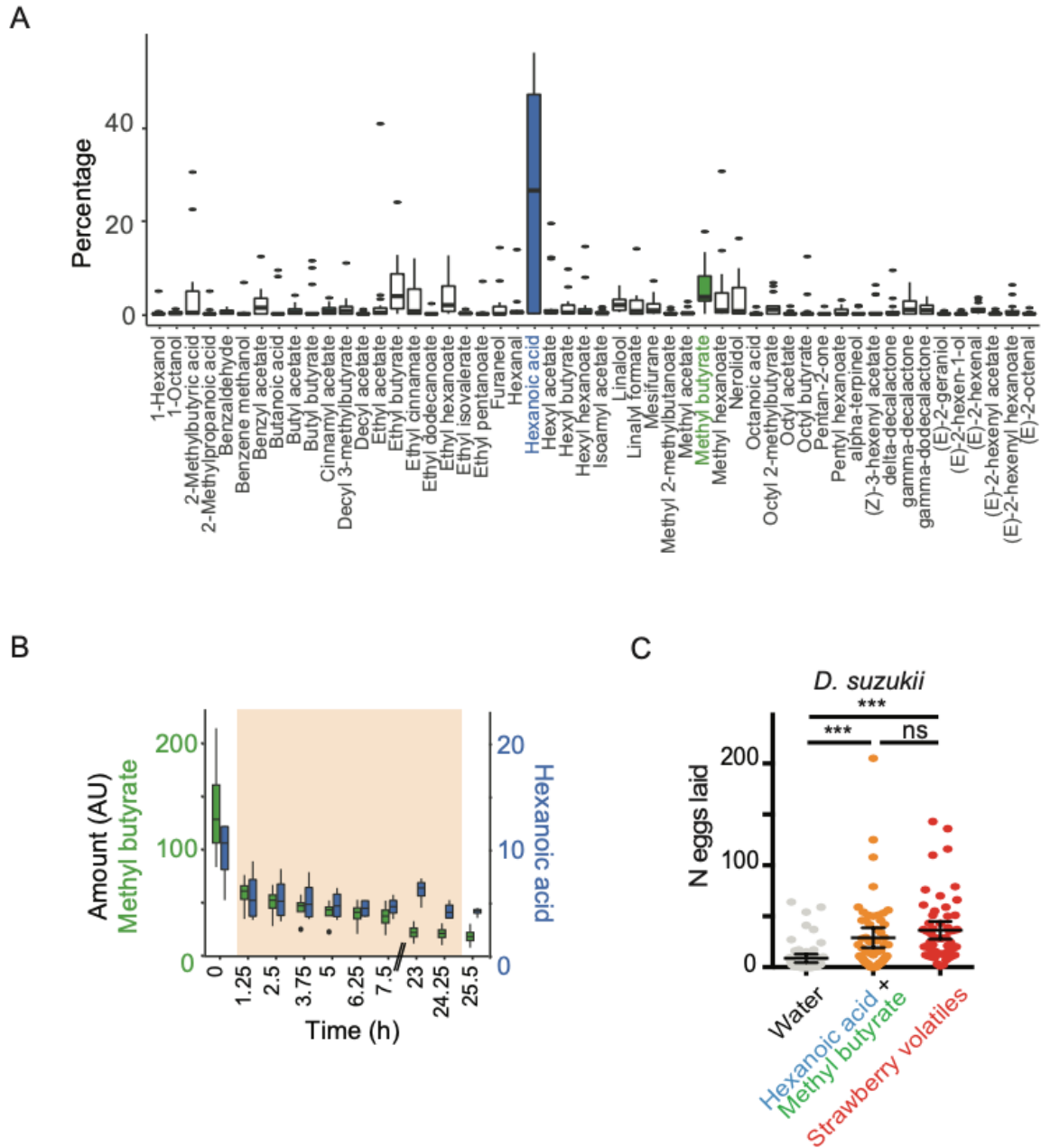


Figure S2 (related to Figure 2). A blend of hexanoic acid and methyl butyrate, two prominent compounds found in strawberries, recapitulates the behavioral response induced by natural strawberry volatiles. (A) Average composition of strawberry volatile compounds compiled from a literature survey of 15 varieties. The two attractive compounds, hexanoic acid and methyl butyrate are highlighted. **(B)** Levels (in arbitrary units) of hexanoic acid and methyl butyrate extracted from egg-laying plates supplemented with the two-component blend over time. The yellow shading indicates the 24h time period during which fly behavior was observed. **(C)** A synthetic blend of hexanoic acid [10^{-3}] and methyl butyrate [10^{-3}]

⁴] stimulates oviposition in wild-type *D. suzukii* females to a similar extent as natural strawberry volatiles. Differences between groups were tested using a GLM with a negative binomial distribution followed by a multiple comparison test with an FDR adjustment method. ns = not significant, *** $p < 0.001$.