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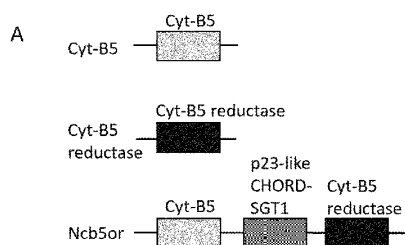


Figure 1A

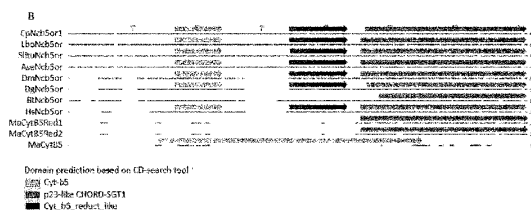


Figure 1B

(57) Abstract: Herein are provided methods for increasing enzymatic activity of desaturases and fatty acyl reductases by co-expressing NAD(P)H cytochrome b5 reductases (EC 1.6.2.2, Ncb5or), as well as to methods for production of compounds comprised in pheromones, in particular moth pheromones, such as saturated and desaturated fatty alcohols, and saturated and desaturated fatty alcohol acetates and fatty acids, and derivatives thereof, in a cell.

[Continued on next page]

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