

Plant-based sex pheromones for sustainable insect pest control

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Supplementary Fig. 1 T-DNA portion of the plasmid “pBinGlyBar1_DEST + AtrD11” inserted into the host plant.

Supplementary Fig. 2 Individual variation in T₂ seeds from three selected

CpuFatB+AtrD11 lines of transformed Camelina. a, C₁₆ fatty acid composition in T₂ seeds from line CpuFatB+AtrD11_#33. Data represent samples of 41 single seeds. **b,** C₁₆ fatty acid composition in T₂ seeds from line CpuFatB+AtrD11_#37. Data represent samples of 25 single seeds. **c,** C₁₆ fatty acid composition in T₂ seeds from line CpuFatB+AtrD11_#40. Data represent samples of 41 single seeds.

Supplementary Fig. 3 Chromatograms of synthetic and Camelina seed oil-derived pheromones used in monitoring of diamondback moth, *Plutella xylostella*, in China. a, synthetic mixture of 16:1 alcohol, aldehyde, and acetate. **b,** Camelina seed-derived pheromones with 83% precursor purity. **c,** Camelina seed-derived pheromones with 38% precursor purity. BHT was added as antioxidant.

Supplementary Fig. 4 Chromatograms of synthetic and Camelina seed oil-derived pheromones used in mating disruption experiments with cotton bollworm *Helioverpa armigera* in Brazil. a, Camelina seed-derived aldehyde pheromone with 75% AI. **b,** Camelina seed-derived aldehyde pheromone with 45% AI.

Fig. S1



Fig. S2

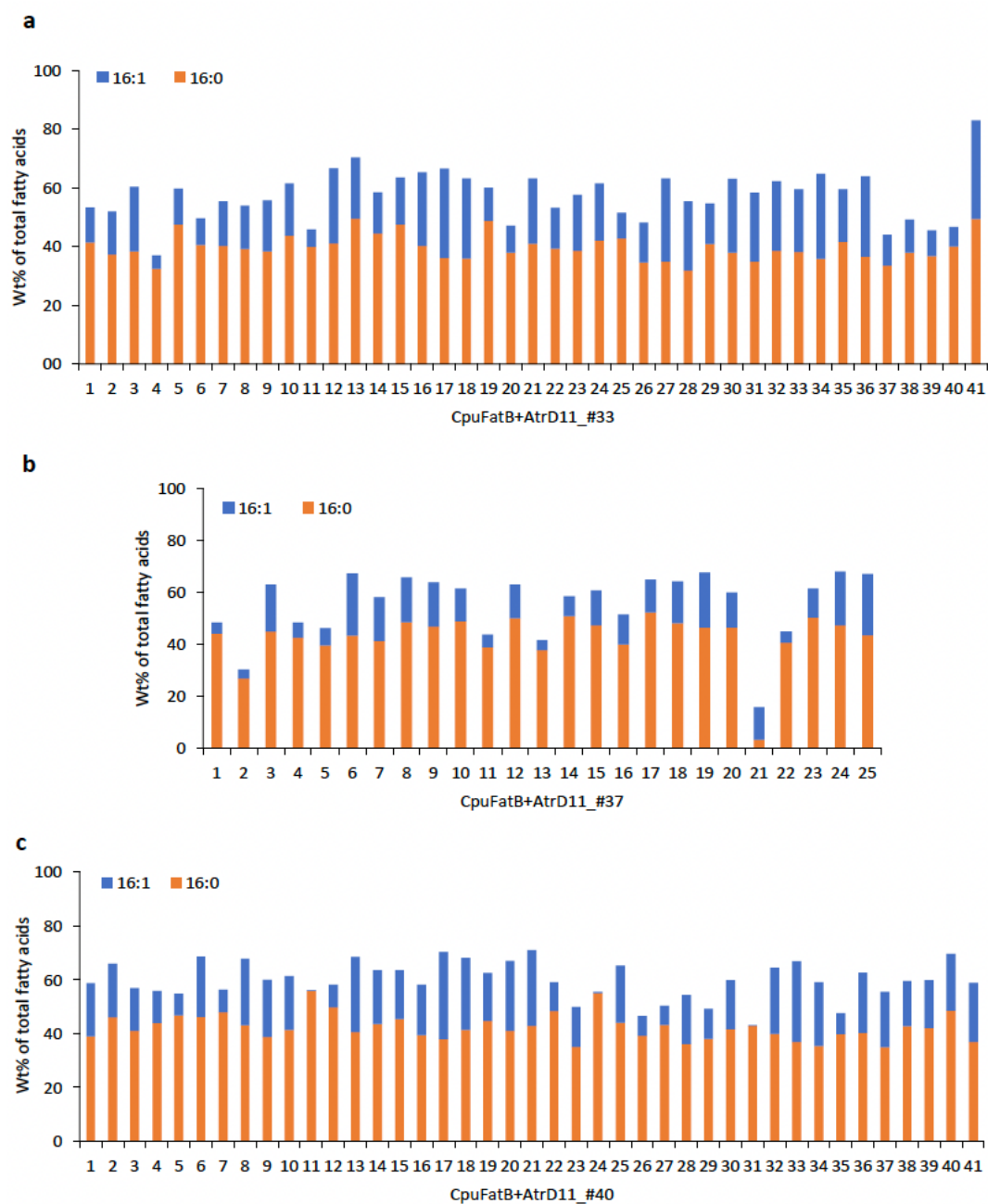


Fig. S3

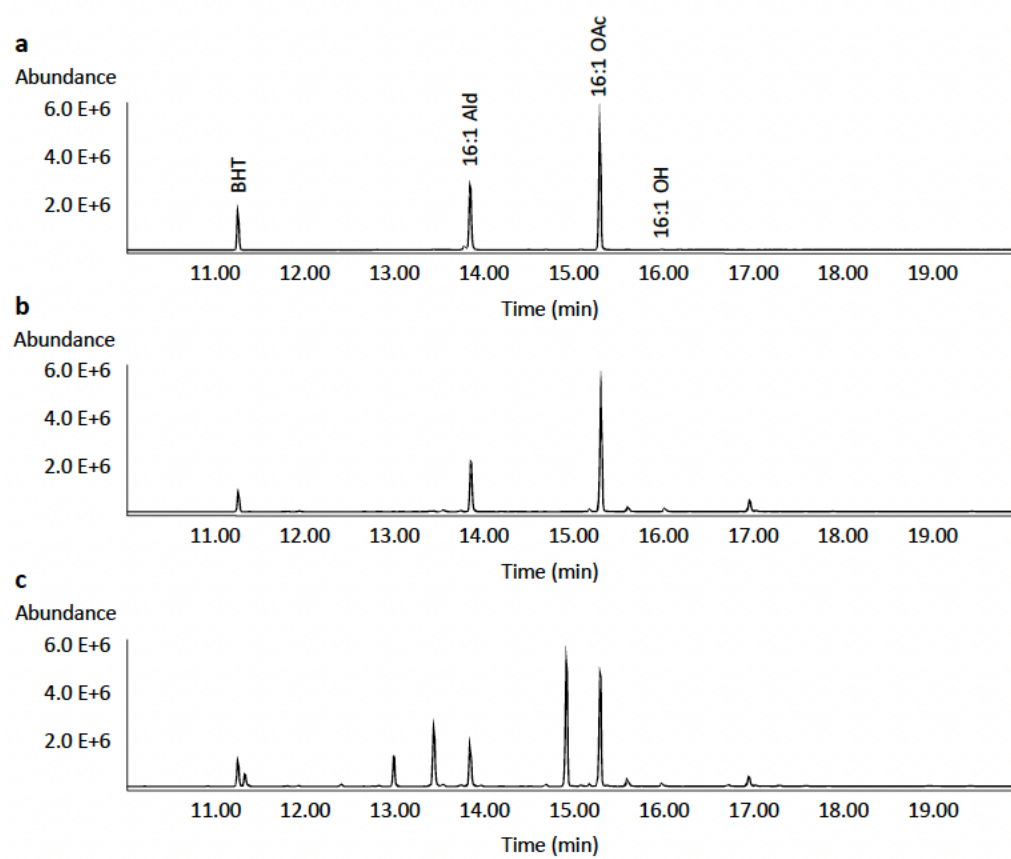


Fig. S4

