

Legends for supplemental figures

FIGURE S1. GC chromatogram of *L. x intermedia* cv Grosso essential oil. Peaks correspond to 1) 1,8-Cineole, 2) β -Ocimen, 3) Camphor, 4) Linalool, 5) Linalool acetate, 6) Terpinen-4-ol, 7) Lavandulyl acetate 8) Menthol – internal standard, 9) iso-Borneol, 10) β -Bisabolol, 11) Geraniol, 12) α -Cadinol, 13) α -Bisabolol, and *) lavandulol.

FIGURE S2. GC chromatogram of assay products when IPP and DMAPP were incubated overnight with (a) soluble protein extracted from *E. coli* BL21(DE3) strains transformed with the empty pET41(b+) expression vector, and (b) in assay buffers without protein. Peaks correspond to: 1) IPP prenyl alcohol and 2) DMAPP prenyl alcohol.

FIGURE S3. Effects of temperature (a) and pH (b) on the activity of LiLPPS (n = 2; Error bars indicate standard deviation).