



Additional file 4: Influence of an energy source on conversion of coniferyl alcohol **2** by *E. coli* whole-cells. 10 ml *E. coli* C41(DE3) transformed with pCDF-Duet resuspended in reaction buffer (70 g l⁻¹ cww) were supplemented with 1 mM coniferyl alcohol **2**. Optionally, 25 g l⁻¹ glycerol or 20 g l⁻¹ D-glucose was added. The reaction was carried out for 24 h at 25°C, 140 rpm. [2] = coniferyl alcohol **2**, [6] = coniferyl aldehyde **6**, [IS] = internal standard FSME, * = unspecific peak; chromatograms are shifted vertically.