



Figure S2. Determination of the optimal conditions for the heterologous expression of AcDODA in *E. coli* cells. **A:** Comparison of the obtention of the products from the activity of AcDODA and derived compounds in *E. coli* cultures supplemented with different concentrations of IPTG and maintained under different temperatures. The reactions were followed by HPLC in order to evaluate the presence of the enzyme. **B:** Macroscopic images of *E. coli* (pRSETA-AcDODA) cultures, after 24 hours of reaction, supplemented with 1.0 (left), 0.5 (centre) or 0.1 (right) mM IPTG and maintained at 20 °C (top) or 25 °C (bottom).