

**Additional file 1.** Analysis of precursor stability in different solutions and culture media. Precursor stability was measured by HPLC after 24 h of incubation in the same conditions for the biocatalysis described in the material and method section. Precursor concentration was measured in solutions containing peptone and yeast extract (Pept+YE), LB medium (LB), peptone and sodium chloride (Pept+NaCl) and M9 minimal medium supplemented with glucose (MM+Gluc).

