



Supplementary Information, Figure S8. Identification of DMG produced in the genetically engineered yeast strains.

A, HPLC analysis of the new compound DMG, DM, PPD and CK in two yeast strains BK1 and BKE after fermentation. Black, authentic samples of CK, DMG (purified from the *in vitro* reaction using UGTPg1 to treat DM), PPD and DM; red, BK1; blue, BKE. **B**, HPLC/ESIMS analysis of DMG produced from UGTPg1 *in vitro* reaction and from the yeast strain BKE.