



Supplementary Figure S4 Analysis of the enzymatic reaction products of three recombinant *Pueraria lobata* UDP-sugar-glucosyltransferases (PIUGT) with (iso)flavonoid aglycones. HPLC chromatograms of reaction products of PIUGT4/PIUGT15/PIUGT57 toward formononetin (A, B) and liquiritigenin (C, D) as acceptor substrates and UDP-glucose as the donor substrate. Mass fragmentation pattern of ononin (formononetin 7-*O*-glucoside, E) and neoliquiritin (liquiritigenin 7-*O*-glucoside, G) standard. (F) and (H) indicates the mass fragmentation pattern of peak 3 and peak 4. (—) indicate control assays without PIUGT protein.