Supplemental Data

Title: Novel independent trans- and cis- genetic variants associated with CYP2D6 expression and activity in human livers

Authors: Dylan Smith, Bing He, Jian Shi, Hao-Jie Zhu*, Xinwen Wang*

Journal: Drug Metabolism and Disposition
**Figure S1:** Absolute protein expressions of CYP2D6 in 287 livers with different number of variants at rs4073010, rs729559, and rs1807493, as well as in these livers with varying number of variants at the combinations of any two of these three SNPs.
**Figure S2**: CYP2D6 activities in 100 livers with different number of variants at rs4073010, rs729559, and rs1807493 (A), as well as in these livers with varying number of variants at the combinations of any two of these three SNPs (B, C and D).
**Figure S3:** CYP2D6 absolute protein expressions in 287 human liver samples with various genetic variants, including heterozygotes for rs729559 (A/G) and rs1807493 (C/G), rs729550 homozygotes (G/G), rs1807493 homozygotes (G/G), and heterozygotes for rs1807493 (C/G) and rs4073010 (C/T).
**Figure S4**: Absolute protein expressions (A) and activities (B) of CYP2D6 in human liver samples from the individuals classified as CYP2D6 normal metabolizers, carrying varied number of variants at rs4073010, rs729559, and rs1807493; Absolute protein expressions (C) and activities (D) of CYP2D6 in human liver samples classified as
CYP2D6 intermediate metabolizers with varied number of variants at rs4073010, rs729559, and rs1807493.