

Description of Supplementary Additional Files

Supplementary Data 1: Drug-inducible PXR-bound CREs

Supplementary Data 2: Drug-responsive and PXR-binding and trait-associated enhancers

Supplementary Data 3: eQTL association with UGT1A locus expression in liver in GTEx

P value and NES (Normalized Effect Size) were obtained from the GTEx Portal (V10).

Supplementary Data 4: Sequences of DNA primers used for plasmid construction

Supplementary Data 5: Sequences of gBlocks used for plasmid construction

Supplementary Data 6: sgRNA sequences used for CRISPR-Cas9 system and CRISPRi

Supplementary Data 7: Primer pairs used for genotyping of enhancer deletion mutants

Supplementary Data 8: Primer pairs used in qRT-PCR analyses