

Table SI. Primer sequences used in the present study.

Gene name	Primer sequence (5'-3')
<i>SGPPI</i>	F: ATGGTCCTCCTCACCTATGG R: TCAATCAGGTCCACAAATGG
<i>UGT1A9</i>	F: AGGTCGGTGGTGGAGAACT R: GGGACATAGGAAAGAGGAGC
<i>UGT2B28</i>	F: CCATTCTTTTGGATCCCAATGACGC R: CAAATAAGGTAGTGGGTCTTCC
<i>GAPDH</i>	F: ACTCCTCCACCTTTGACGC R: GCTGTAGCCAAATTCGTTGTC

F, forward; R, reverse.

Table SII. Quantitative assessment of GAPDH optical-density values in the western blot experiments.

Experiment	Group	Replicate 1	Replicate 2	Replicate 3	Mean $\pm$ SD	Statistical assessment
SGPP1 overexpression	Blank	533,135	422,168	344,933	433,412 $\pm$ 94,603	Kruskal-Wallis (P=0.0714)
	Vector	416,355	426,206	355,690	399,417 $\pm$ 38,188	
	OE	722,748	542,166	539,661	601,525 $\pm$ 104,990	
SGPP1 knockdown	NC	360,519	396,709	363,874	373,701 $\pm$ 19,996	Mann-Whitney U test (P=0.1000)
	siSGPP1	325,674	327,900	305,426	319,667 $\pm$ 12,383	
UGT1A9 knockdown	NC	221,247.61	207,361.04	207,107.61	211,905.42 $\pm$ 8,091.57	Mann-Whitney U test (P=0.7000)
	siSGPP1	265,741.75	241,762.46	204,281.75	237,261.99 $\pm$ 30,976.18	
UGT1A9 overexpression	Vector	275,713.97	284,472.76	284,779.83	281,655.52 $\pm$ 5,147.82	Mann-Whitney U test (P=0.1000)
	OE	228,938.61	223,497.11	195,934.47	216,123.40 $\pm$ 17,694.55	
UGT2B28 knockdown	NC	202,056.90	205,293.47	206,240.33	204,530.23 $\pm$ 2,193.67	Mann-Whitney U test (P=0.1000)
	siSGPP1	245,930.04	257,013.68	250,440.54	251,128.09 $\pm$ 5,573.72	
UGT2B28 overexpression	Vector	159,055	99,075	157,364	138,498 $\pm$ 34,152	Mann-Whitney U test (P>0.9999)
	OE	153,287	135,584	163,796	150,889 $\pm$ 14,258	