

Supplemental Table 1. Association of UGT haplotypes with microsomal acetaminophen glucuronidation activity measured at 3 different substrate concentrations in human liver bank samples. Haplotypes evaluated included the UGT1A-3'UTR haplotype with SNPs c.1813C>T, c.1941C>G, and c.2042C>G; and the UGT1A6/UGT1A1 haplotype with variants UGT1A6 c.19T>G, c.541A>G, c.552A>C, and UGT1A1 -53TA6>TA7.

Haplotype		Acetaminophen glucuronidation (pmoles / min / mg protein)									
		0.1 mM acetaminophen				2 mM acetaminophen			40 mM acetaminophen		
		N	Mean	SD	p value	Mean	SD	p value	Mean	SD	p value
UGT1A-3'UTR	CCC / CCC	30	12.9	11.6	0.079	718	490	0.016*	2681	1294	0.038*
	CCC / TGG	11	19.9	13.3		1113	502		3787	1652	
	TGG / TGG	2	19.1	3.6		1353	590		5040	921	
UGT1A6/UGT1A1	TAA(TA)6 / TAA(TA)6	20	16.3	10.5	0.23	1015	519	0.53	3559	1653	0.69
	TAA(TA)6 / GGG(TA)7	13	20.3	16.5		918	628		3234	1555	
	GGG(TA)7 / GGG(TA)7	6	10.4	3.6		774	455		2839	1292	

\*p<0.05 for ANOVA on log transformed data.