

Supplemental Table 1. CYP2C19 and CYP2D6 allele frequencies in white non-Hispanic, white Hispanic, and black groups.

		White Non-Hispanic	White Hispanic	Black
		N(%)	N(%)	N(%)
CYP2C19				
Variants	*1	1588(63%)	353(73%)	342(59%)
	*2	333(13%)	61(13%)	115(20%)
	*3	0(0%)	0(0%)	0(0%)
	*4	10(<1%)	1(<1%)	1(<1%)
	*6	1(<1%)	0(0%)	0(0%)
	*8	10(<1%)	1(<1%)	0(0%)
	*17	564(23%)	68(14%)	120(21%)
CYP2D6				
Single Variations	*1	915(37%)	219(45%)	183(31%)
	*2A	532(21%)	115(24%)	44(8%)
	*2 (not 2A)	20(<1%)	9(2%)	143(24%)
	*3	39(2%)	4(<1%)	2(<1%)
	*4	483(20%)	59(12%)	27(4%)
	*5	76(3%)	9(2%)	33(6%)
	*6	28(1%)	6(1%)	3(<1%)
	*7	1(<1%)	0(0%)	1(<1%)
	*9	76(3%)	11(2%)	3(<1%)
	*10	43(2%)	8(2%)	22(4%)
	*17	10(<1%)	9(2%)	83(14%)
	*41	226(9%)	25(5%)	10(2%)
Duplications	*1 Dup	17(<1%)	3(<1%)	1(<1%)
	*2A Dup	18(<1%)	2(0%)	12(2%)
	*2 (not 2A) Dup	1(<1%)	1(<1%)	6(1%)
	*4 Dup	3(<1%)	0(0%)	15(3%)
	*6 Dup	1(<1%)	0(0%)	0(0%)

	*9 Dup	1(<1%)	0(0%)	0(0%)
	*17 Dup	0(0%)	0(0%)	2(<1%)

Supplemental Table 2. Distributions of CYP2C19 and CYP2D6 genotype based categories in ethnic subgroups.

Genotype Based Categories	White Non-Hispanic	White Hispanic	Black
	N(%)	N(%)	N(%)
CYP2C19			
Ultra Rapid	60(5%)	4(2%)	10(3%)
Extensive +	368(29%)	51(21%)	63(22%)
Extensive	499(40%)	127(52%)	107(37%)
Intermediate +	76(6%)	9(4%)	37(13%)
Intermediate	222(18%)	48(20%)	65(22%)
Poor	28(2%)	3(1%)	7(2%)
CYP2D6			
Ultra Rapid	79(6%)	22(9%)	12(4%)
Extensive	449(36%)	107(45%)	65(22%)
Intermediate	546(44%)	97(40%)	181(62%)
Poor	167(13%)	14(6%)	34(12%)

Supplemental Table 3. CYP2C19 and CYP2D6 allele frequency comparison for white subjects with our genotyping (Mrazek and colleagues) and the Peters analyses.

	Allele	Allele Frequency (%)	
		Peters et al.	Mrazek et al.
CYP2C19			
Variants	*1	66 †	65 †
	*2	13	13
	*3	0	0
	*4	not tested	<1
	*6	not tested	<1
	*8	not tested	<1
	*17	21	21
CYP2D6			
Single Variations	*1	72 †	38 †
	*2A	not tested	22
	*2 (not 2A)	not tested	1
	*3	2	1
	*4	19	18
	*5	3	3
	*6	1	1
	*7	0.03	<1
	*9	3	3
	*10	not tested	2
	*17	not tested	<1
	*41	not tested	8
	Duplications	*1 Dup	not tested
*2A Dup		not tested	<1
*2 (not 2A) Dup		not tested	<1
*4 Dup		not tested	<1
*6 Dup		not tested	<1

	*9 Dup	not tested	<1
	*17 Dup	not tested	0

† All alleles not tested for were categorized as a *1.