Table S2 Star alleles previously reported by GeT-RM and not identified by Stargazer's analysis of whole genome sequencing data.

Star Allele	Assays[a]	Defining Variant[b]	Sample ID	GeT-RM[c]	Stargazer	WGS Evidence[d]
*CYP2A6*8*	[1, 2]	rs28399468 (41349732C>A)	NA12003	**1/(*8)*	**1/*1*	AD: C=49, A=0
			NA18855	**1/(*8)*	**1/*1*	AD: C=45, A=0
			NA19176	**1/(*8)*	**1/*1*	AD: C=27, A=0
*CYP2B6*27*	[1]	rs36079186 (41512918T>C)	HG01190	**1 (*5)/*1 (*27)*	**1/*5*	AD: T=40, C=0
			NA07029	**6/(*27)*	**1/*6*	AD: T=31, C=0
			NA07055	**6/(*27)*	**1/*6*	AD: T=35, C=0
			NA10851	**1/*1 (*27)*	**1/*1*	AD: T=46, C=0
			NA18524	**1/*1 (*27)*	**1/*1*	AD: T=44, C=0
			NA18959	**1/*1 (*27)*	**1/*1*	AD: T=29, C=0
			NA19789	**1/*1 (*27)*	**1/*1*	AD: T=36, C=0
*CYP2C9*18*	[2, 3]	rs72558193 (96745830A>C)	NA11832	**1/*3 (*18)*	**1/*3*	AD: A=45, C=0
			NA11839	**2/*3 (*18)*	**2/*3*	AD: A=59, C=0
			NA12813	**1/*3 (*18)*	**1/*3*	AD: A=46, C=0
			NA18959	**1/*3 (*18)*	**1/*3*	AD: A=38, C=0
			NA19917	**1/*1 (*18)*	**1/*1*	AD: A=49, C=2
*GSTT1*AxN*	[2]	CN=3	NA18484	*(*A/*AxN)*	**A/*0*	CN=1
			NA18519	*(*A/*AxN)*	**A/*0*	CN=1
			NA18861	*(*A/*AxN)*	**A/*0*	CN=1
			NA19095	*(*A/*AxN)*	**A/*0*	CN=1
			NA19109	*(*A/*AxN)*	**A/*A*	CN=2
			NA19174	*(*A/*AxN)*	**A/*A*	CN=2
			NA19213	*(*A/*AxN)*	**A/*A*	CN=2
			NA19920	*(*A/*AxN)*	**A/*0*	CN=1

WGS, whole genome sequencing; AD, allelic depth; CN, copy number.

[a][1] Affymetrix DMET Plus Array (Affymetrix, Santa Clara, CA); [2] Agena Bioscience iPLEX ADME PGx Pro Panel (Agena Bioscience, San Diego, CA); [3] Agena Bioscience iPLEX ADME CYP2C9 Panel (Agena Bioscience, San Diego, CA).

[b]Genomic coordinates and nucleotide changes are according to Human Genome version 19.

[c]"()" indicates non-consensus GeT-RM genotypes.

[d]AD was assessed through visual inspection of WGS reads using Integrative Genomics Viewer.