

Reference Materials Characterized by Sources other than the GeT-RM (CYP2D6, CYP2C9 and CYP2C19 Alleles)

CYP2D6			CYP2C9			CYP2C19			Material Source				Characterization	
Genotype ²	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Cell Bank	Human Variation Panel	Cell Line Number	DNA Number	DNA sequence	Other methods ³ (# labs)
*1/*1						*1/*2		681G>A	Coriell		GM12273	NA12273	1 lab	AmpliChip (1)
*41/*35	-1584G>C, 1661G>C, 2850C>T, 2988G>A, 4180G>C	-1584C>G, 31G>A, 1661G>C, 2850C>T, 4180G>C				*1/*1			Coriell		GM12244	NA12244	1 lab	AmpliChip (1)
*35/*4						*1/*1			Coriell		GM12003	NA12003	1 lab	AmpliChip (1)
*41/*4						*1/*1			Coriell		GM10841	NA10841	1 lab	AmpliChip (1)
*41/*1						*1/*2		681G>A	Coriell		GM10666	NA10666	1 lab	AmpliChip (1)
*41/*1						*1/*1			Coriell		GM10181	NA10181	1 lab	AmpliChip (1)
*29/*17	1659G>A, 1661G>C, 2850C>T, 3183G>A, 4180G>C	1023C>T, 1661G>C, 2850C>T, 4180G>C				*1/*1			Coriell		GM10005	NA10005	1 lab	AmpliChip (2)
*4/*5	100C>T, 1661G>C, 1846G>A, 4180G>C	deleted allele				*1/*1			Coriell		GM09912	NA09912	1 lab	AmpliChip (2)
*41/*1						*1/*1			Coriell		GM09547	NA09547	1 lab	AmpliChip (1)
*10/*10	100C>T, 1039C>T, 1661G>C, 4180G>C	100C>T, 1039C>T, 1661G>C, 4180G>C				*1/*3		636G>A	Coriell		GM09404		1 lab	AmpliChip (2)
*41XN/*1	1661G>C, 2850C>T, 4180G>C					*1/*1			Coriell		GM09301	NA09301	1 lab	AmpliChip (2)
*17/*5		deleted allele				*1/*1			Coriell		GM08873	NA08873	1 lab	AmpliChip (1)
*4XN/*41	100C>T, 1039C>T, 1661G>C, 1846G>A, 4180G>C	1661G>C, 2850C>T, 4180G>C				*2/*10	681G>A		Coriell		GM07439	NA07439	1 lab	AmpliChip (2)
*17/*2XN	1023C>T, 1661G>C, 2850C>T, 4180G>C	-1584C>G, 1661G>C, 2850C>T, 4180G>C				*1/*2		681G>A	Coriell		GM02016	NA02016	1 lab	AmpliChip (2)
*41/*5		deleted allele				*1/*1			Coriell		GM01251	NA01251	1 lab	AmpliChip (1)
*35/*9		26133delAGA				*1/*2		681G>A	ATCC		70E		1 lab	AmpliChip (1)
nmd ¹			nmd			*2/-	681G>A		Coriell	HD100CAU	GM17201	NA17201		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd			*2/-	681G>A		Coriell	HD100CAU	GM17202	NA17202		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17203	NA17203		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd	1075A>C		*3/-	430C>T		Coriell	HD100CAU	GM17204	NA17204		Tag-It (2)
2850C>T/-	2850C>T		nmd	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17205	NA17205		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	430C>T		nmd			Coriell	HD100CAU	GM17206	NA17206		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17207	NA17207		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17208	NA17208		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd	430C>T		nmd			Coriell	HD100CAU	GM17209	NA17209		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd	430C>T		nmd			Coriell	HD100CAU	GM17210	NA17210		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	1075A>C		nmd			Coriell	HD100CAU	GM17211	NA17211		Tag-It (2)
nmd			nmd	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17212	NA17212		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd			nmd			Coriell	HD100CAU	GM17213	NA17213		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17214	NA17214		Tag-It (2)
*4/2850C>T	100C>T, 1846G>A, 2850C>T		nmd	1075A>C		nmd			Coriell	HD100CAU	GM17215	NA17215		Tag-It (2)
nmd			nmd	430C>T		nmd			Coriell	HD100CAU	GM17216	NA17216		Tag-It (2)
2850C>T/-	2850C>T		nmd			nmd			Coriell	HD100CAU	GM17217	NA17217		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17218	NA17218		Tag-It (2)
nmd			nmd			*2/-	681G>A		Coriell	HD100CAU	GM17219	NA17219		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD100CAU	GM17220	NA17220		Tag-It (2)
DUP *2/-	-1584C>G, 2850C>T		nmd	430C>T	1075A>C	nmd			Coriell	HD100CAU	GM17221	NA17221		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd	430C>T	430C>T	nmd			Coriell	HD100CAU	GM17222	NA17222		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17223	NA17223		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17224	NA17224		Tag-It (2)
*4/*4	100C>T, 1846G>A	100C>T, 1846G>A	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17225	NA17225		Tag-It (2)
*4/*4	100C>T, 1846G>A	100C>T, 1846G>A	nmd	430C>T		nmd			Coriell	HD100CAU	GM17226	NA17226		Tag-It (2)
*9/-	26133delAGA		nmd	430C>T		nmd			Coriell	HD100CAU	GM17227	NA17227		Tag-It (2)
nmd			nmd	430C>T		nmd			Coriell	HD100CAU	GM17228	NA17228		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd			nmd			Coriell	HD100CAU	GM17229	NA17229		Tag-It (2)
*4/2850C>T	100C>T, 1846G>A, 2850C>T	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17230	NA17230		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd	430C>T		nmd			Coriell	HD100CAU	GM17231	NA17231		Tag-It (2)
DUP *2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17232	NA17232		Tag-It (2)
2850C>T/-	2850C>T		nmd			nmd			Coriell	HD100CAU	GM17233	NA17233		Tag-It (2)
2850C>T/-	2850C>T		nmd	1075A>C		nmd			Coriell	HD100CAU	GM17234	NA17234		Tag-It (2)
*5 /-	del		nmd			nmd			Coriell	HD100CAU	GM17235	NA17235		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17236	NA17236		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			*2/-	681G>A		Coriell	HD100CAU	GM17237	NA17237		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd	430C>T		nmd			Coriell	HD100CAU	GM17238	NA17238		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd	430C>T		nmd			Coriell	HD100CAU	GM17239	NA17239		Tag-It (2)
*10/-	100C>T		nmd			nmd			Coriell	HD100CAU	GM17240	NA17240		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17241	NA17241		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17242	NA17242		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	430C>T		nmd			Coriell	HD100CAU	GM17243	NA17243		Tag-It (2)
DUP *2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd			nmd			Coriell	HD100CAU	GM17244	NA17244		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17245	NA17245		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	430C>T		*8/-	358T>C		Coriell	HD100CAU	GM17246	NA17246		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd	1075A>C	1075A>C	nmd			Coriell	HD100CAU	GM17247	NA17247		Tag-It (2)
*4/*10	100C>T, 1846G>A	100C>T	nmd			nmd			Coriell	HD100CAU	GM17248	NA17248		Tag-It (2)
2850C>T/-	2850C>T		nmd	430C>T		nmd			Coriell	HD100CAU	GM17249	NA17249		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd			nmd			Coriell	HD100CAU	GM17250	NA17250		Tag-It (2)
nmd			nmd	430C>T		nmd			Coriell	HD100CAU	GM17251	NA17251		Tag-It (2)
*5/*4	100C>T, 1846G>A	del	nmd	430C>T	1075A>C	nmd			Coriell	HD100CAU	GM17252	NA17252		Tag-It (2)
nmd			nmd	430C>T		nmd			Coriell	HD100CAU	GM17253	NA17253		Tag-It (2)
*4/2850C>T	100C>T, 1846G>A, 2850C>T	2850C>T	nmd	430C>T	1075A>C	nmd			Coriell	HD100CAU	GM17254	NA17254		Tag-It (1)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			nmd			Coriell	HD100CAU	GM17255	NA17255		Tag-It (1)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd			nmd			Coriell	HD100CAU	GM17257	NA17257		Tag-It (2)
2850C>T/-	2850C>T		nmd	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17258	NA17258		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17260	NA17260		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd	430C>T		nmd			Coriell	HD100CAU	GM17261	NA17261		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17262	NA17262		Tag-It (2)
nmd			nmd			*2/*2	681G>A	681G>A	Coriell	HD100CAU	GM17263	NA17263		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			*2/-	681G>A		Coriell	HD100CAU	GM17264	NA17264		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			nmd			Coriell	HD100CAU	GM17265	NA17265		Tag-It (2)

CYP2D6			CYP2C9			CYP2C19			Material Source				Characterization	
Genotype ²	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Cell Bank	Human Variation Panel	Cell Line Number	DNA Number	DNA sequence	Other methods ³ (# labs)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD100CAU	GM17267	NA17267		Tag-It (2)
*4/-	100C>T, 1846G>A		*2/-	430C>T		nmd			Coriell	HD100CAU	GM17268	NA17268		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17269	NA17269		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17270	NA17270		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD100CAU	GM17271	NA17271		Tag-It (2)
*4/*10	100C>T, 1846G>A	100C>T	nmd			nmd			Coriell	HD100CAU	GM17272	NA17272		Tag-It (2)
*2/*2	-1584C>G, 2850C>T	-1584C>G, 2850C>T	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17273	NA17273		Tag-It (2)
*2/-	-1584C>G, 2850C>T		*2/-	430C>T		nmd			Coriell	HD100CAU	GM17274	NA17274		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17275	NA17275		Tag-It (2)
*5/*2	-1584C>G, 2850C>T	del	nmd			nmd			Coriell	HD100CAU	GM17276	NA17276		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17277	NA17277		Tag-It (2)
2850C>T/-	2850C>T		nmd			*2/-	681G>A		Coriell	HD100CAU	GM17278	NA17278		Tag-It (2)
*4/2850C>T	100C>T, 1846G>A	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17279	NA17279		Tag-It (2)
*2/*3	-1584C>G, 2850C>T	2549delA	*2/-	430C>T		*8/-	358T>C		Coriell	HD100CAU	GM17280	NA17280		Tag-It (2)
*5/*9	2613delAGA	del	nmd			nmd			Coriell	HD100CAU	GM17281	NA17281		Tag-It (2)
2850C>T/2850C>T	2850C>T	2850C>T	nmd			nmd			Coriell	HD100CAU	GM17282	NA17282		Tag-It (2)
*4/2850C>T	100C>T, 1846G>A	2850C>T	*2/-	430C>T		nmd			Coriell	HD100CAU	GM17283	NA17283		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD100CAU	GM17284	NA17284		Tag-It (2)
nmd			*2/*3	430C>T	1075A>C	nmd			Coriell	HD100CAU	GM17285	NA17285		Tag-It (2)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD100CAU	GM17286	NA17286		Tag-It (2)
nmd			nmd			nmd			Coriell	HD100CAU	GM17287	NA17287		Tag-It (2)
nmd			nmd			*2/-	681G>A		Coriell	HD100CAU	GM17288	NA17288		Tag-It (2)
*2/*4	-1584C>G, 2850C>T	100C>T, 1846G>A	nmd			*2/*2	681G>A	681G>A	Coriell	HD100CAU	GM17289	NA17289		Tag-It (2)
2850C>T/-	2850C>T		*3/-	1075A>C		*2/-	681G>A		Coriell	HD100CAU	GM17290	NA17290		Tag-It (2)
*4/-	100C>T, 1846G>A		*3/-	1075A>C		nmd			Coriell	HD100CAU	GM17291	NA17291		Tag-It (2)
*4/*4	100C>T, 1846G>A	100C>T, 1846G>A	nmd			*2/-	681G>A		Coriell	HD100CAU	GM17292	NA17292		Tag-It (2)
*2/*9	-1584C>G, 2850C>T	2613delAGA	*2/-	430C>T		nmd			Coriell	HD100CAU	GM17293	NA17293		Tag-It (2)
*2/-	-1584C>G, 2850C>T		*2/-	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17294	NA17294		Tag-It (2)
*4/-	100C>T, 1846G>A		*2/-	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17295	NA17295		Tag-It (2)
*9/-	2613delAGA		nmd			nmd			Coriell	HD100CAU	GM17296	NA17296		Tag-It (2)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	*2/-	430C>T		*2/-	681G>A		Coriell	HD100CAU	GM17297	NA17297		Tag-It (2)
DUP/-			nmd			nmd			Coriell	HD100CAU	GM17298	NA17298		Tag-It (2)
*2/-	-1584C>G, 2850C>T		nmd			*2/-	681G>A		Coriell	HD100CAU	GM17299	NA17299		Tag-It (2)
*6/-	1707delA		nmd			nmd			Coriell	HD100CAU	GM17300	NA17300		Tag-It (2)
*10/-	100C>T		nmd			*2/*2	681G>A	681G>A	Coriell	HD07	GM17051	NA17051		Tag-It (1)
nmd			nmd			*3/-	636G>A		Coriell	HD07	GM17052	NA17052		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD07	GM17053	NA17053		Tag-It (1)
*5	del		*3/-	1075A>C		nmd			Coriell	HD07	GM17054	NA17054		Tag-It (1)
nmd			nmd			*2/-	681G>A		Coriell	HD07	GM17055	NA17055		Tag-It (1)
*10/2850C>T	100C>T	2850C>T	nmd			nmd			Coriell	HD07	GM17056	NA17056		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD07	GM17057	NA17057		Tag-It (1)
*10/*10	100C>T	100C>T	nmd			*2/-	681G>A		Coriell	HD07	GM17058	NA17058		Tag-It (1)
*10/-	100C>T		nmd			*2/*2	681G>A	681G>A	Coriell	HD07	GM17059	NA17059		Tag-It (1)
nmd			nmd			*3/-	636G>A		Coriell	HD07	GM17060	NA17060		Tag-It (1)
*10/*10	100C>T	100C>T	nmd			*2/-	681G>A		Coriell	HD32	GM16654	NA16654		Tag-It (1)
*2/*10	-1584C>G, 2850C>T	100C>T	nmd			*2/*3	681G>A	636G>A	Coriell	HD32	GM16688	NA16688		Tag-It (1)
*2/*10	-1584C>G, 2850C>T	100C>T	nmd			*2/*2	681G>A	681G>A	Coriell	HD32	GM16689	NA16689		Tag-It (1)
*10/*10	100C>T	100C>T	*3/-	1075A>C		nmd			Coriell	HD32	GM17014	NA17014		Tag-It (1)
*2/-	-1584C>G, 2850C>T		nmd			*2/-	681G>A		Coriell	HD32	GM17015	NA17015		Tag-It (1)
*10/*10	100C>T	100C>T	nmd			nmd			Coriell	HD32	GM17016	NA17016		Tag-It (1)
*10/-	100C>T		nmd			*2/*3	681G>A	636G>A	Coriell	HD32	GM17017	NA17017		Tag-It (1)
*10/-	100C>T		nmd			*2/-	681G>A		Coriell	HD32	GM17018	NA17018		Tag-It (1)
*10/-	100C>T		*3/-	1075A>C		nmd			Coriell	HD32	GM17019	NA17019		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD32	GM17020	NA17020		Tag-It (1)
*17/-	1023C>T, 2850C>T		*3/-	1075A>C		nmd			Coriell	HD04	GM17031	NA17031		Tag-It (1)
DUP/2850C>T	2850C>T		nmd			nmd			Coriell	HD04	GM17032	NA17032		Tag-It (1)
*17/*17	1023C>T, 2850C>T	1023C>T, 2850C>T	nmd			nmd			Coriell	HD04	GM17033	NA17033		Tag-It (1)
*4/2850C>T	100C>T, 1846G>A	2850C>T	nmd			*2/-	681G>A		Coriell	HD04	GM17034	NA17034		Tag-It (1)
nmd			nmd			nmd			Coriell	HD04	GM17035	NA17035		Tag-It (1)
*17/2850C>T	1023C>T, 2850C>T	2850C>T	nmd			*2/-	681G>A		Coriell	HD04	GM17036	NA17036		Tag-It (1)
DEL/*17	1023C>T, 2850C>T	del	nmd			nmd			Coriell	HD04	GM17037	NA17037		Tag-It (1)
*2/*17	-1584C>G, 2850C>T	1023C>T, 2850C>T	nmd			*2/-	681G>A		Coriell	HD04	GM17038	NA17038		Tag-It (1)
*2/*17	-1584C>G, 2850C>T	1023C>T, 2850C>T	nmd			nmd			Coriell	HD04	GM17039	NA17039		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD04	GM17040	NA17040		Tag-It (1)
*10/-	100C>T		*3/-	1075A>C		nmd			Coriell	HD13	GM17081	NA17081		Tag-It (1)
DEL/*10	100C>T	del	nmd			nmd			Coriell	HD13	GM17082	NA17082		Tag-It (1)
*10/-	100C>T		nmd			*3/-	636G>A		Coriell	HD13	GM17083	NA17083		Tag-It (1)
*10/2850C>T	100C>T	2850C>T	*2/-	430C>T		*2/*4	681G>A	1A>G	Coriell	HD13	GM17084	NA17084		Tag-It (1)
*2/*10	-1584C>G, 2850C>T	100C>T	nmd			nmd			Coriell	HD13	GM17085	NA17085		Tag-It (1)
*5/*2	-1584C>G, 2850C>T	del	nmd			*2/*2	681G>A	681G>A	Coriell	HD13	GM17086	NA17086		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD13	GM17087	NA17087		Tag-It (1)
*10/-	100C>T		nmd			nmd			Coriell	HD13	GM17088	NA17088		Tag-It (1)
*10/-	100C>T		nmd			*2/-	681G>A		Coriell	HD13	GM17089	NA17089		Tag-It (1)
*10/*10	100C>T	100C>T	*3/-			nmd			Coriell	HD13	GM17090	NA17090		Tag-It (1)
*2/2850C>T	-1584C>G, 2850C>T	2850C>T	nmd			nmd			Coriell	HD27	GM17331	NA17331		Tag-It (1)
DUP*2/*17	-1584C>G, 2850C>T	1023C>T, 2850C>T	nmd			*2/-	681G>A		Coriell	HD27	GM17332	NA17332		Tag-It (1)
nmd			nmd			nmd			Coriell	HD27	GM17333	NA17333		Tag-It (1)
*2/*10	-1584C>G, 2850C>T	100C>T	*2/-	430C>T		*2/-	681G>A		Coriell	HD27	GM17334	NA17334		Tag-It (1)
*2/-	-1584C>G, 2850C>T		*3/-	1075A>C		nmd			Coriell	HD27	GM17335	NA17335		Tag-It (1)
*5/*4	100C>T, 1846G>A	del	nmd			nmd			Coriell	HD27	GM17336	NA17336		Tag-It (1)
*4/-	100C>T, 1846G>A		nmd			nmd			Coriell	HD27	GM17338	NA17338		Tag-It (1)
*2/-	-1584C>G, 2850C>T		nmd			nmd			Coriell	HD27	GM17339	NA17339		Tag-It (1)
*4A/*2AXN (For in vitro diagnostic use) ⁹	100C>T, 974C>A, 984A>G, 997C>G, 1661G>C, 1846G>A, 4180G>C	-1584C>G, -740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 4180G>C							ParagonDx			001-04102X	1 lab	Tag-It (1) / RFLP-PCR (1)

Genotype ²	CYP2D6		CYP2C9			CYP2C19			Material Source				Characterization	
	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Genotype ²	Allele 1	Allele 2	Cell Bank	Human Variation Panel	Cell Line Number	DNA Number	DNA sequence	Other methods ³ (# labs)
*29/*2AXN (For in vitro diagnostic use) ⁹	1659G>A, 1661G>C, 2850C>T, 3183G>A, 4180G>C	-1584C>G, -740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 4180G>C							ParagonDx			001-00292X	1 lab	Tag-It (1) / RFLP-PCR (1)
*6B/*41 (For in vitro diagnostic use) ⁹	1707T>del, 1976G>A	-740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 2988G>A, 4180G>C							ParagonDx			001-000641	1 lab	Home-brew gel assay (1) (for allele 1)
*3A/*4A (For in vitro diagnostic use) ⁹	2549A>del	CYP2D6 Deleted 100C>T, 974C>A, 984A>G, 997C>G, 1661G>C, 1846G>A, 4180G>C							ParagonDx			001-000105	1 lab	Home-brew gel assay (1)
*1A/*1A	lacks polymorphic sites	lacks polymorphic sites							ParagonDx			001-000101	1 lab	Home-brew gel assay (1)
*4A/*7	100C>T, 974C>A, 984A>G, 997C>G, 1661G>C, 1846G>A, 4180G>C	2935A>C							ParagonDx			001-000407	1 lab	Home-brew gel assay (1)
*35/*41	-1584C>G, 31G>A, 1661G>C, 2850C>T, 4180G>C	-740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 2988G>A, 4180G>C							ParagonDx			001-003541	1 lab	Home-brew gel assay (1)
*1A/*9	lacks polymorphic sites	2613-2615delAGA							ParagonDx			001-000109	1 lab	Home-brew gel assay (1)
*1A/*6	lacks polymorphic sites	1707T>del, 1976G>A							ParagonDx			001-000106	1 lab	Home-brew gel assay (1)
*5/*41	CYP2D6 Deleted	-740C>T, -678G>A, CYP2D7 conversion in intron 1, 1661G>C, 2850C>T, 2988G>A, 4180G>C							ParagonDx			001-000541	1 lab	Home-brew gel assay (1)
*5/*5	CYP2D6 Deleted								ParagonDx			001-000505	1 lab	Home-brew gel assay (1)
*17/*17	1023C>T, 1661G>C, 2850C>T, 4180G>C	1023C>T, 1661G>C, 2850C>T, 4180G>C							ParagonDx			001-001717	1 lab	AmpliChip ⁵ (1)
*4/*4xN	-1426C>T, -1235A>G, -1000G>A, 100C>T, 310G>T, 843T>G, 1039C>T, 1661G>C, 1846G>A, 2097A>G, 3384A>C, 3582A>G, 4180G>C, 4401C>T	Gene duplication; -1426C>T, -1235A>G, -1000G>A, 100C>T, 310G>T, 843T>G, 1039C>T, 1661G>C, 1846G>A, 2097A>G, 3384A>C, 3582A>G, 4180G>C, 4401C>T							ParagonDx			001-00044X	1 lab	Home-brew gel assay (1)
*2A/*2A	-1584C>G, -1235A>G, -740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 4180G>C	-1584C>G, -1235A>G, -740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 4180G>C							ParagonDx			001-00202	1 lab	Home-brew gel assay (1)
*10B/*10B	-1426C>T, -1237 -1236insAA, -1235A>G, -1000G>A, 100C>T, 1039C>T, 1661G>C, 4180G>C	-1426C>T, -1237 -1236insAA, -1235A>G, -1000G>A, 100C>T, 1039C>T, 1661G>C, 4180G>C							ParagonDx			001-001010	1 lab	Home-brew gel assay (1)
*1/*1xN	lacks polymorphic sites	Gene duplication; lacks polymorphic sites							ParagonDx			001-00011X	1 lab	Home-brew gel assay (1)
*1/*2A	lacks polymorphic sites	-1584C>G, -1235A>G, -740C>T, -678G>A, CYP2D7 gene conversion in intron 1, 1661G>C, 2850C>T, 4180G>C							ParagonDx			001-000102	1 lab	Home-brew gel assay (1)
			*1/*1 ⁽⁶⁾						ParagonDx			003-000101	1 lab	Real-time PCR (1)
			*1/*3B ⁽⁶⁾	42614 A>C (1075A>C) ⁵					ParagonDx			003-000103	1 lab	Real-time PCR (1)
			*1/*2	3608 C>T (430C>T) ⁵					ParagonDx			003-000102	1 lab	Real-time PCR (1)
						*1/*1 ⁽⁶⁾			ParagonDx			002-000101	1 lab	Gel-based RFLP (1), Sequencing(1)
						*1/*2 ⁽⁶⁾	19154 G>A (681G>A) ⁸		ParagonDx			002-000102	1 lab	Gel-based RFLP (1), Sequencing(1)
						*1/*3 ⁽⁶⁾	17948 G>A (636G>A) ⁸		ParagonDx			002-000103	1 lab	Gel-based RFLP (1), Sequencing(1)

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¹Information provided with permission from ARUP laboratories, Roche Molecular Systems, TM Biosciences or Children's Mercy Hospital, Kansas City, MO; ²All variants comprising the haplotype have not been determined. Allelic haplotypes are inferred by signature mutations; ³AmpliChip = Roche Amplichip P450 Test, Tag-It = TM Bioscience P450-2D6, 2C19 or 2C9 Mutation Detection Products, RFLP-PCR= restriction fragment length polymorphism analysis; ⁴nmd = no mutation detected; ⁵*1 allele lacks polymorphic sites characteristic of CYP2C9 *2, *3, *4, *5, *8 and *11; ⁶*1 allele lacks polymorphic sites characteristic of CYP2C19 *2, *3, *4, *5 and *10; ⁷Genotype nomenclature listed by genomic position ("A" of the translational start codon based on AL359672) with cDNA position in parentheses; ⁸Genotype nomenclature listed by genomic position ("A" of the translational start codon based on NT030059) with cDNA position in parentheses; ⁹Reference Control has been FDA cleared for in vitro diagnostic use. Other Reference Controls offered by Gentris are for Research Use Only. Not for use in diagnostic procedures. ¹⁰ AmpliChip data provided with permission from Spectrum Health, DNA Diagnostics Laboratory, Grand Rapids, MI