

RESPONSEcomp™						
Includes RESPONSEpain™, RESPONSEcardio™, RESPONSEpsych/ADHD™, RESPONSEcancer™.						
GENE	TEST CODE	NM NUMBER	GENE	TEST CODE	NM NUMBER	
RESPONSE pain™	COMT	G014	NM_000754.3	ANKK1	G019	NM_178510.1
	CYP1A2	G017	NM_000761.4	COMT	G014	NM_000754.3
	CYP2B6	G011	NM_000767.4	MTHFR	G009	NM_005957.4
	CYP2C9	G001	NM_000771.3	CYP1A2	G017	NM_000761.4
	CYP2C19	G002	NM_000769.2	CYP2C9	G001	NM_000771.3
	CYP2D6	G003	NM_000106.5	CYP2C19	G002	NM_000769.2
	CYP3A4	G004	NM_017460.5	CYP2D6	G003	NM_000106.5
	CYP3A5	G005	NM_000777.4	CYP3A4	G004	NM_017460.5
RESPONSE cardio™	APOE	G016	NM_000041.3	CYP3A5	G005	NM_000777.4
	Factor II	G040	NM_000506.3	DPYD	G020	NM_000110.3
	Factor V Leiden	G041	NM_000130.4	TPMT	G022	NM_000367.3
	MTHFR	G009	NM_005957.4	MTHFR	G009	NM_005957.4
	SLCO1B1	G042	NM_006446.4	CYP2B6	G011	NM_000767.4
	CYP2C9	G001	NM_000771.3	CYP2C8	G021	NM_000770.3
	VKORC1	G010	NM_024006.4	CYP2C9	G001	NM_000771.3
	CYP1A2	G017	NM_000761.4	CYP2C9	G001	NM_000771.3
	CYP2C19	G002	NM_000769.2	CYP2D6	G003	NM_000106.5
	CYP2D6	G003	NM_000106.5	CYP3A4	G004	NM_017460.5
	CYP3A4	G040	NM_017460.5	CYP3A5	G005	NM_000777.4
	CYP3A5	G005	NM_000777.4			
			RESPONSE psych/ADHD™			
			RESPONSE cancer™			
			RESPONSE anaesthesia™			
			CACNAS1	RAP1	NM_00069.2	
			RYR1	RAP1	NM_000540.2	

**RESPONSE™comp panel includes HLA Complex P5 (HCP5) gene

GENE	ALLELIC VARIANTS DETECTED
ANKK1/DRD2	DRD2:Taq1A
Apolipoprotein E	ε2, ε4
COMT	Val158Met
CYP1A2	*1C, *1D, *1F, *1K, *1L, *1V, *1W
CYP2B6	*6, *9
CYP2C19	*2, *3, *4, *4B, *6, *7, *8, *9, *10, *17
CYP2C8	*2, *3, *4, *5, *7, *8
CYP2C9	*2, *3, *4, *5, *6, *8, *11, *27
CYP2D6	*2, *3, *6, *7, *8, *9, *10, *14A, *14B, *17, *29, *35, *41, *5 (gene deletion), XN (gene duplication)
CYP3A4	*1B, *3, *12, *17, *22
CYP3A5	*2, *3, *3C, *6, *8, *9
DPYD	*2A, *2B, rs115232898 G, *8, *9A, *9B, *10, *11, rs67376798 A, *13 20210G>A
Factor II	20210G>A
Factor V Leiden	1691G>A
HLA Complex P5 (HCP5)	rs2395029 T/T
MTHFR	677C>T, 1298A>C
OPRM1	A118G
SLCO1B1	521T>C, 388A>G
TPMT	*2, *3A, *3B, *4, *8
UGT2B15	*2
VKORC1	-1639G>A

Note: Pharmacogenomics testing has not been fully validated in patients under 18 at this time. Use of PGx testing in children is at the sole discretion of the ordering provider.

Last updated May 15\$* () 0