

RESPONSEcomp™
Includes RESPONSEpain™, RESPONSEcardio™, RESPONSEpsych/ADHD™, RESPONSEcancer™.

	GENE	TEST CODE	NM NUMBER		GENE	TEST CODE	NM NUMBER
RESPONSEpain™	COMT	G014	NM_000754.3	RESPONSEpsych/ADHD™	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
RESPONSEcardio™	APOE	G016	NM_000041.3	RESPONSEcancer™	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		CYP2D6	G003	NM_000106.5V
	CYP2C19	G002	NM_000769.2		CYP3A4	G004	NM_017460.5
	CYP2D6	G003	NM_000106.5		CYP3A5	G005	NM_000777.4
	CYP3A4	G040	NM_017460.5				
	CYP3A5	G005	NM_000777.4				

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

GENE	ALLELIC VARIANTS DETECTED
ANKK1/DRD2	DRD2:Taql1A
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.