

## RESPONSEcomp™

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

	GENE	TEST CODE	NM NUMBER		GENE	TEST CODE	NM NUMBER	
RESPONSE pain™	COMT	G014	NM_000754.3	RESPONSE psych/ADHD™	ANKK1/DRD2	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	RESPONSE cancer™	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	
	VKORC1	G010	NM_024006.4		CYP2C8	G021	NM_000770.3	
	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™comp panel includes HLA Complex P5 (HCP5) gene

GENE	ALLELIC VARIANTS DETECTED
ANKK1/DRD2	DRD2:TaqlA
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