

Comprehensive

Includes all four panels - pain™, cardio™, psych/ADHD™, and cancer™.

PANEL	GENE	TEST CODE	PANEL	GENE	TEST CODE
Pain	COMT	G014	Psych/ADHD	ANKK1	G019
	CYP1A2	G017		COMT	G014
	CYP2B6	G011		MTHFR	G009
	CYP2C9	G001		CYP1A2	G017
	CYP2C19	G002		CYP2C9	G001
	CYP2D6	G003		CYP2C19	G002
	CYP3A4	G004		CYP2D6	G003
	CYP3A5	G005		CYP3A4	G004
Cardio	APOE	G016	Cancer	CYP3A5	G005
	Factor II	G040		DPYD	G020
	Factor V Leiden	G041		TPMT	G022
	MTHFR	G009		MTHFR	G009
	SLCO1B1	G042		CYP2B6	G011
	CYP2C9	G001		CYP2C8	G021
	VKORC1	G010		CYP2C9	G001
	CYP1A2	G017		CYP2D6	G003
	CYP2C19	G002		CYP3A4	G004
	CYP2D6	G003		CYP3A5	G005
	CYP3A4	G040			
	CYP3A5	G005			

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
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.