

Pharmacogenomics Panel FAQ

Genes/loci Included in the Quest Pharmacogenomics Panel

Chromosome or Gene	Alleles
12q15	rs7297610
ABCB1	3435C>T
ABCG2	421C>A
ADRA2A	c-1291G
ALDH2	1369G>A
ANKK1	DRD2:Taq1A
BDNF	434C>T
C11orf65	rs11212617
CEP72	rs924607
COMT	Val158Met
CYP1A2	1C, *1D, *1F, *1K, *1L, *1V, *1W, *3, *15, *16
CYP2B6	*16, *4, *6, *9, *11, *18
CYP2C8	*2, *3, *4
CYP2C9	*18, *2, *3, *31, *4, *5, *6, *9, *10, *11, *12, *13, *15, *27
CYP2C19	*16, *2, *22, *24, *25, *3, *35, *4, *4B, *5, *6, *7, *8, *9, *10, *17
CYP2D6	*2, *3, *31, *33, *4, *4M, *42, *46, *47, *49, *51, *54, *6, *62, *7, *72, *8, *9, *10, *100, *101, *11, *12, *14A, *14B, *15, *17, *18, *19, *20, *29, *35, *38, *41, *44, *56A, *56B, *5 (gene deletion), XN (gene duplication)
CYP3A4	2, *3, *12, *17, *22
CYP3A5	*3, *3C, *6, *7
CYP4F2	1347G>A
DBH	-1021C>T
DPYD	2A, *2B, rs115232898 G, *7, *8, *9A, *9B, *4, *5, rs56038477 A,
DRD2	-241A>G
F5	1691G>A
G6PD	Alleles tested may include some or all of the following: Ilesha, Mahidol, Metaponto, Nashville, Santiago de Cuba, Harilaou, Iowa, Beverly Hills, Tomah, Riverside, Andalus, Puerto Limon, Minnesota, Hechi, Loma Linda, Aachen, Vancouver, Taipei, Santiago, Nilgiri, Ierapetra, Mt Sinai, Alhambra, Japan, Pawnee, Sunderland, Gaohe, Qing Yan, Chinese-5, Nankang, Neapolis, Serres, Aveiro, Rehevot, Split, Namouru, Ube Konan, Mira d'Aire, Montpellier, Cincinnati, Kaiping, Montalbano, Aures, Murcia Oristano, Lagosanto, Shenzhen, Sibari, Nanning, Ananindeua, Coimbra Shunde, Guadalajara, Vanua Lava, Viangchan, Union, Surabaya, Nara, Santa Maria, Malaga, A, A-(202), A-

Continued below

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	(680), A-(968), Asahi, Canton, Chatham, Cosenza, Mediterranean, Mexico City, Orissa, Sao Borja, Kalyan-Kerala, Mediterranean(1311)
GRIK1	rs2832407
GRIK4	83-10039T>C
GRIN2B	rs2058878
HLA-A*31:01	
HLA-B*58:01	
HLA-B*15:02	
HLA-B*57:01	
HTR2A	-1438G>A, 102C>T, rs7997012
HTR2C	114138144C>G, -759C>T
IFNL3	rs12979860
MTHFR	1298A>C, 677C>T
NUDT15	*2, *3
OPRM1	A118G
SLC6A4	S, La, Lg
SLC47A2	-130G>A
SLCO1B1	521T>C
TPMT	*1S, *2, *3A, *3B, *3C, *4, *8
UGT1A1	*6, *27, *28, *36
UGT2B15	*2
VKORC1	-1639G>A