



myGenome PGx Gene List

Pharmacogenomics (PGx) refers to the interaction between an individual's genetic makeup and certain medications/drugs. Certain genetic variations may influence how well we metabolize certain drugs. This knowledge may help your physician tailor medication to your personal genetic map to help select the right drug, adjust its dose and minimize the risk for adverse reactions. The following list represents the genes and associated SNPs/haplotypes that are included in the myGenome PGx analysis.

GENE	rsID (SNP) or Haplotype
<i>ABCB1</i>	rs2032582, rs1045642
<i>ADRB2</i>	rs1042713
<i>ANKK1</i>	rs1800497
<i>APOE</i>	rs7412
<i>COMT</i>	rs4680
<i>CYP2B6</i>	rs3745274, rs2279343, rs2279345, rs28399499
<i>CYP2C19</i>	*1, *2, *3, *4, *5, *6, *7, *8, *9, *10, *11, *13, *15, *16, *17, *18, *19, *22, *24, *25, *26, *28
<i>CYP2C8</i>	rs10509681
<i>CYP2C9</i>	*1, *2, *3, *4, *5, *6, *8, *9, *11, *12, *13, *15, *25, *31
<i>CYP3A4</i>	rs2740574
<i>CYP3A5</i>	rs776746
<i>CYP4F2</i>	rs2108622
<i>DPYD</i>	*1, *2, *3, *4, *5, *6, *7, *8, *9, *10, *11, *12, *13, rs67376798
<i>DRD2</i>	rs1799978
<i>F5</i>	rs6025
<i>G6PD</i>	rs1050828
<i>GSTP1</i>	rs1695
<i>HMGCR</i>	rs17244841
<i>NAT2</i>	*4, *5, *6, *7, *12, *13
<i>NUDT15</i>	rs116855232
<i>SLCO1B1</i>	rs11045879, rs4149056, rs4149015
<i>TPMT</i>	*1, *1S, *2, *3A, *3B, *3C, *4, *5, *6, *8, *9, *10, *11, *12, *13, *16, *17, *18
<i>TYMS</i>	rs151264360
<i>UGT1A1</i>	*1, *28, *36, *37
<i>VKORC1</i>	rs9923231
<i>XPC</i>	rs2228001