

Gene Name	Chr #	start	stop	rs ID	Target Nomenclature	Reference Allele
ABCB1	chr7	87138645	87138645	rs1045642	ABCB1 C3435ntT	REF=A;OBS=G
ABCG2	chr4	89052323	89052323	rs2231142	ABCG2 421nt C>A	REF=G;OBS=T
ADRA2A	chr10	112836504	112836504	rs1800544	ADRA2A C1291G	REF=G;OBS=C
ANKK1	chr11	113270828	113270828	rs1800497	DRD2*A1 32806C>T Taq1A	REF=G;OBS=A
APOE	chr19	45411941	45411941	rs429358	ApoE4 c.T388C	REF=T;OBS=C
APOE	chr19	45412079	45412079	rs7412	ApoE2 c.526C>T	REF=C;OBS=T
COMT	chr22	19951271	19951271	rs4680	COMT c.322G>A or c.472G>A	REF=G;OBS=A
CYP1A2	chr15	75038220	75038220	rs2069514	CYP1A2*1 g.-3860G>A	REF=G;OBS=A
CYP1A2	chr15	75039613	75039613	rs35694136	CYP1A2*1 g.-2467delT	REF=T;OBS=
CYP1A2	chr15	75041341	75041341	rs2069526	CYP1A2*1 g.-739T>G	REF=T;OBS=G
CYP1A2	chr15	75041351	75041351	rs12720461	CYP1A2*1K g.-729C>T	REF=C;OBS=T
CYP1A2	chr15	75041917	75041917	rs762551	CYP1A2*1F g.-163C>A	REF=C;OBS=A
CYP1A2	chr15	75042204	75042204	rs72547511	CYP1A2*15 g.125C>G	REF=C;OBS=G
CYP1A2	chr15	75042637	75042637	rs72547513	CYP1A2*11 g.558C>A	REF=C;OBS=A
CYP1A2	chr15	75044195	75044195	rs56276455	CYP1A2*3 g.2116G>A	REF=G;OBS=A
CYP1A2	chr15	75044552	75044552	rs72547515	CYP1A2*16 g.2473G>A	REF=G;OBS=A
CYP1A2	chr15	75044578	75044578	rs72547516	CYP1A2*4 g.2499A>T	REF=A;OBS=T
CYP1A2	chr15	75045575	75045575	rs55889066	CYP1A2*5 g.3496G>A	REF=G;OBS=A
CYP1A2	chr15	75045612	75045612	rs56107638	CYP1A2*7 g.3533G>A	REF=G;OBS=A
CYP1A2	chr15	75047169	75047169	rs28399424	CYP1A2*6 g.5090C>T	REF=C;OBS=T
CYP1A2	chr15	75047245	75047245	rs72547517	CYP1A2*8 g.5166G>A	REF=G;OBS=A
CYP1A2	chr15	75047426	75047426	rs2470890	CYP1A2 g.5347T>C	REF=C;OBS=T
CYP2B6	chr19	41497129	41497129	rs34223104	CYP2B6*22 g.-82T>C	REF=T;OBS=C
CYP2B6	chr19	41497274	41497274	rs8192709	CYP2B6*10 c.64C>T g.64C>T	REF=C;OBS=T
CYP2B6	chr19	41497346	41497346	rs35303484	CYP2B6*11 c.136A>G g.136A>G	REF=A;OBS=G
CYP2B6	chr19	41512841	41512841	rs3745274	CYP2B6 c.516G>T g.15631G>T	REF=G;OBS=T
CYP2B6	chr19	41515263	41515263	rs2279343	CYP2B6*4A c.785A>G	REF=A;OBS=G
CYP2B6	chr19	41518221	41518221	rs28399499	CYP2B6*16/*18 c.983T>C g.21011T>C	REF=T;OBS=C
CYP2B6	chr19	41518370	41518370	rs34097093	CYP2B6*28 g.21160C>T	REF=C;OBS=T
CYP2B6	chr19	41522715	41522715	rs3211371	CYP2B6*5 c.1459C>T g.25505C>T	REF=C;OBS=T
CYP2C19	chr10	96521657	96521657	rs12248560	CYP2C19*17 g.-806C>T	REF=C;OBS=T
CYP2C19	chr10	96522463	96522463	rs28399504	CYP2C19*4 c.1A>G g.1A>G	REF=A;OBS=G

CYP2C19	chr10	96534922	96534922	rs17878459	CYP2C19*2B c.276G>C g.12460G>C	REF=G;OBS=C
CYP2C19	chr10	96535173	96535173	rs41291556	CYP2C19*8 c.358T>C g.12711T>C	REF=T;OBS=C
CYP2C19	chr10	96535210	96535210	rs72552267	CYP2C19*6 c.395G>A g.12748G>A	REF=G;OBS=A
CYP2C19	chr10	96535246	96535246	rs17884712	CYP2C19*9 c.431G>A g.12784G>A	REF=G;OBS=A
CYP2C19	chr10	96540410	96540410	rs4986893	CYP2C19*3 c.636G>A g.17948G>A	REF=G;OBS=A
CYP2C19	chr10	96541615	96541615	rs6413438	CYP2C19*10 c.680C>T g.19153C>T	REF=C;OBS=T
CYP2C19	chr10	96541616	96541616	rs4244285	CYP2C19*2 c.681G>A g.19154G>A	REF=G;OBS=A
CYP2C19	chr10	96541756	96541756	rs72558186	CYP2C19*7 g.19294T>A	REF=T;OBS=A
CYP2C19	chr10	96612495	96612495	rs56337013	CYP2C19*5 c.1297C>T g.90033C>T	REF=C;OBS=T
CYP2C8	chr10	96798749	96798749	rs10509681	CYP2C8*3 c.1196A>G g.30411A>G	REF=T;OBS=C
CYP2C8	chr10	96818106	96818106	rs11572103	CYP2C8*2 c.805A>T g.11054A>T	REF=T;OBS=A
CYP2C9	chr10	96698494	96698494	rs67807361	CYP2C9*7c.55C>A g.55C>A	REF=C;OBS=A
CYP2C9	chr10	96701715	96701715	rs72558187	CYP2C9*13 c.269T>C g.3276T>C	REF=T;OBS=C
CYP2C9	chr10	96702047	96702047	rs1799853	CYP2C9*2 c.430C>T g.3608C>T	REF=C;OBS=T
CYP2C9	chr10	96702066	96702066	rs7900194	CYP2C9*27 c.449G>T g.3627G>T	REF=G;OBS=T
CYP2C9	chr10	96702066	96702066	rs7900194	CYP2C9*8 c.449G>A g.3627G>A	REF=G;OBS=A
CYP2C9	chr10	96707539	96707539	rs72558190	CYP2C9*15 g.9100C>A	REF=C;OBS=A
CYP2C9	chr10	96708974	96708974	rs2256871	CYP2C9*9 g.10535A>G	REF=A;OBS=G
CYP2C9	chr10	96709037	96709037	rs9332130	CYP2C9*10 g.10598A>G	REF=A;OBS=G
CYP2C9	chr10	96709040	96709040	rs9332131	CYP2C9*6 g.10601delA	REF=A;OBS=
CYP2C9	chr10	96731936	96731936	rs72558192	CYP2C9*16 g.269T>C	REF=A;OBS=G
CYP2C9	chr10	96740981	96740981	rs28371685	CYP2C9*11 c.1003C>T g.42542C>T	REF=C;OBS=T
CYP2C9	chr10	96741053	96741053	rs1057910	CYP2C9*3 c.1075A>C g.42614A>C	REF=A;OBS=C
CYP2C9	chr10	96741054	96741054	rs56165452	CYP2C9*4 c.1076T>C g.42615T>C	REF=T;OBS=C
CYP2C9	chr10	96741058	96741058	rs28371686	CYP2C9*5 c.1080C>G g.42619C>G	REF=C;OBS=G
CYP2D6	chr22	42522613	42522613	rs1135840	CYP2D6*2 g.4180G>C	REF=G;OBS=C
CYP2D6	chr22	42523610	42523610	rs59421388	CYP2D6*29 g.3183G>A	REF=C;OBS=T
CYP2D6	chr22	42523805	42523805	rs28371725	CYP2D6*41 g.2988G>A	REF=C;OBS=T
CYP2D6	chr22	42523858	42523858	rs5030867	CYP2D6*7 g.2935A>C	REF=T;OBS=G
CYP2D6	chr22	42523943	42523943	rs16947	CYP2D6*2 g.2850C>T	REF=A;OBS=G
CYP2D6	chr22	42524176	42524178	rs5030656	CYP2D6*9 g.2615_2617delAAG	REF=TCT;OBS=
CYP2D6	chr22	42524244	42524244	rs35742686	CYP2D6*3 g.2549delA	REF=T;OBS=
CYP2D6	chr22	42524817	42524818	rs72549354	CYP2D6*20 g.1973_1974insG	REF=;OBS=C

CYP2D6	chr22	42524947	42524947	rs3892097	CYP2D6*4 g.1846G>A	REF=C;OBS=T
CYP2D6	chr22	42525035	42525035	rs5030865	CYP2D6*14 g.1758G>A	REF=C;OBS=A
CYP2D6	chr22	42525035	42525035	rs5030865	CYP2D6*8 g.1758G>T	REF=C;OBS=T
CYP2D6	chr22	42525086	42525086	rs5030655	CYP2D6*6 g.1707delT	REF=A;OBS=
CYP2D6	chr22	42525132	42525132	rs1058164	CYP2D6 g.1661G>C	REF=G;OBS=C
CYP2D6	chr22	42525134	42525134	rs61736512	CYP2D6*29/*70 g.3183G>A	REF=C;OBS=T
CYP2D6	chr22	42525772	42525772	rs28371706	CYP2D6*17 g.1023C>T	REF=G;OBS=A
CYP2D6	chr22	42525912	42525912	rs201377835	CYP2D6*11g.883G>C	REF=C;OBS=G
CYP2D6	chr22	42526657	42526658	rs72549357	CYP2D6*15 g.137-138insT	REF=;OBS=A
CYP2D6	chr22	42526670	42526670	rs5030862	CYP2D6*12 g.124G>A	REF=C;OBS=T
CYP2D6	chr22	42526694	42526694	rs1065852	CYP2D6*10 g.100C>T	REF=G;OBS=A
CYP2D6	chr22	42526763	42526763	rs769258	CYP2D6*35 g.31G>A	REF=C;OBS=T
CYP2D6	chr22	42528382	42528382	rs1080985	CYP2D6*2A g.-1584C>G	REF=C;OBS=G
CYP3A4	chr7	99355806	99355807	rs67666821	CYP3A4*20 c.1461_1462insA	REF=;OBS=T
CYP3A4	chr7	99358524	99358524	rs4986910	CYP3A4*3 c.1334T>C	REF=A;OBS=G
CYP3A4	chr7	99359670	99359670	rs4986909	CYP3A4*13 c.1247 C>T g.22026C>T	REF=G;OBS=A
CYP3A4	chr7	99359800	99359800	rs12721629	CYP3A4*12 c.1117 C>T g.21896C>T	REF=G;OBS=A
CYP3A4	chr7	99364034	99364035	rs4646438	CYP3A4*6 c.830_831insA	REF=;OBS=T
CYP3A4	chr7	99365983	99365983	rs55785340	CYP3A4*2 c.664T>C g.15713T>C	REF=A;OBS=G
CYP3A4	chr7	99366081	99366081	rs4987161	CYP3A4*17 c.566 T>C g.15615T>C	REF=A;OBS=G
CYP3A4	chr7	99366316	99366316	rs35599367	CYP3A4*22 g.15389C>T	REF=G;OBS=A
CYP3A4	chr7	99367427	99367427	rs4986907	CYP3A4*15 c.485 G>A g.14269 G>A	REF=C;OBS=T
CYP3A4	chr7	99382096	99382096	rs2740574	CYP3A4*1B g.-392A>G	REF=C;OBS=T
CYP3A5	chr7	99245914	99245914	rs15524	CYP3A5*3/*10 g.31611C>T	REF=A;OBS=G
CYP3A5	chr7	99247772	99247772	rs41279854	CYP3A5*10 g.29753T>C	REF=A;OBS=G
CYP3A5	chr7	99250236	99250236	rs28365083	CYP3A5*2 g.27289C>A	REF=G;OBS=T
CYP3A5	chr7	99250393	99250394	rs41303343	CYP3A5*7 g.27131_27132insT	REF=;OBS=A
CYP3A5	chr7	99258139	99258139	rs28383479	CYP3A5*9 g.19386G>A	REF=C;OBS=T
CYP3A5	chr7	99262835	99262835	rs10264272	CYP3A5*6 g.14690G>A	REF=C;OBS=T
CYP3A5	chr7	99270539	99270539	rs776746	CYP3A5*3/*10 g.6986A>G	REF=C;OBS=T
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CYP3A5	chr7	99273815	99273815	rs28383468	CYP3A5*3B g.3705C>T	REF=G;OBS=A
CYP3A5	chr7	99273821	99273821	rs55817950	CYP3A5*8 g.3699C>T	REF=G;OBS=A

DBH	chr9	136500515	136500515	rs1611115	DBH -1021T>C	REF=T;OBS=C
DPYD	chr1	97544627	97544627	rs1801268	DPYD*10 V995F	REF=C;OBS=A
DPYD	chr1	97564154	97564154	rs1801267	DPYD*9B R886H	REF=C;OBS=T
DPYD	chr1	98348885	98348885	rs1801265	DPYD*9A C29R	REF=G;OBS=A
DRD1	chr5	174870150	174870150	rs4532	DRD1 rs4532C>T	REF=C;OBS=T
DRD4	chr11	636784	636784	rs1800955	DRD4 c.-521T>C	REF=T;OBS=C
F2	chr11	46761055	46761055	rs1799963	F2 G20210A	REF=G;OBS=A
F5	chr1	169519049	169519049	rs6025	Factor V R506Q Leiden mutation	REF=T;OBS=C
FLOT1	chr6	30699384	30699384	rs3909184	HLA-B*1502 tag rs3909184G	REF=G;OBS=C
GABRA6	chr5	161128914	161128914	rs3219151	GABRA6 1519 T>C	REF=C;OBS=T
GABRP	chr5	170215638	170215638	rs10036156	GABRP rs10036156C>T	REF=T;OBS=C
GRIK4	chr11	120663363	120663363	rs1954787	GRIK4 rs1954787T>C	REF=T;OBS=C
HCP5	chr6	31431780	31431780	rs2395029	HLA-B*5701 tag rs2395029G	REF=T;OBS=G
HLA-A	chr6	29913298	29913298	rs1061235	HLA-A*3101 tag rs1061235T	REF=A;OBS=T
HTR2A	chr13	47469941	47469941	rs6313	HTR2A T102C	REF=G;OBS=A
HTR2A	chr13	47471478	47471478	rs6311	HTR2A -1438G>A	REF=C;OBS=T
HTR2C	chrX	113818520	113818520	rs3813929	HTR2C -759C>T	REF=C;OBS=T
ITGB3	chr17	45360730	45360730	rs5918	ITGB3 A2	REF=T;OBS=C
KIF6	chr6	39325078	39325078	rs20455	KIF6 Arg719	REF=A;OBS=G
MTHFR	chr1	11854476	11854476	rs1801131	MTHFR A1298C Glu429Ala	REF=T;OBS=G
MTHFR	chr1	11856378	11856378	rs1801133	MTHFR C677T Ala222Val	REF=G;OBS=A
OPRD1	chr1	29161609	29161609	rs2236857	OPRD1 intron1 T>C	REF=T;OBS=C
OPRK1	chr8	54142157	54142157	rs702764	OPRK1 c.843A>G A281A	REF=T;OBS=C
OPRK1	chr8	54163562	54163562	rs1051660	OPRK1 c.36G>A P12P	REF=C;OBS=A
OPRM1	chr6	154360797	154360797	rs1799971	OPRM1 A118G N40D	REF=A;OBS=G
SLCO1B1	chr12	21329738	21329738	rs2306283	SLCO1B1*1B_N130D	REF=A;OBS=G
SLCO1B1	chr12	21331549	21331549	rs4149056	SLCO1B1*5 g.37041T>C	REF=T;OBS=C
TPMT	chr6	18130918	18130918	rs1142345	TPMT*3C_719A>G C240Y	REF=T;OBS=C
TPMT	chr6	18131012	18131012	rs1800584	TPMT*4A_626-1G>A	REF=C;OBS=T
TPMT	chr6	18139228	18139228	rs1800460	TPMT*3B_460 G>A A154T	REF=C;OBS=T
TPMT	chr6	18143955	18143955	rs1800462	TPMT*2_A80P	REF=C;OBS=G
UGT1A1	chr2	234669144	234669144	rs4148323	UGT1A1*6 c.211G>A g.211G>A	REF=G;OBS=A
UGT2B15	chr4	69536084	69536084	rs1902023	UGT2B15*2_253G>T	REF=A;OBS=C

UGT2B7	chr4	69962610	69962610	rs28365063	UGT2B7 g.372A>G	REF=A;OBS=G
VKORC1	chr16	31102321	31102321	rs7294	VKORC1 3730G>A	REF=C;OBS=T
VKORC1	chr16	31103796	31103796	rs2359612	VKORC1 2255C>T	REF=A;OBS=G
VKORC1	chr16	31104509	31104509	rs8050894	VKORC1 1542G>C	REF=C;OBS=G
VKORC1	chr16	31104878	31104878	rs9934438	VKORC1 1173C>T	REF=G;OBS=A
VKORC1	chr16	31105554	31105554	rs2884737	VKORC1 497T>G	REF=A;OBS=C
VKORC1	chr16	31107689	31107689	rs9923231	VKORC1 -1639G>A	REF=C;OBS=T