

APPENDIX I PRIMERS FOR 216 TAG SNPs.

SNP ID	Forward	Reverse	Extension
rs17882687	ACGTTGGATGGCTCTGTCTCATGTTTGC	ACGTTGGATGAATCACTGGGAGAGGAGTAG	ttccTGTTTGCTTCTCCTTTCA
rs3753661	ACGTTGGATGGTTTACAATCCAGAGAGGG	ACGTTGGATGTTCTTAGAACCGACTGCAGC	AATCCAGAGAGGGAGATAGA
rs6976017	ACGTTGGATGTGCCACAGGGACATAATTG	ACGTTGGATGCTTTACAAACCACAGACTAG	GGGACTGTGGATGGATGTA
rs2275620	ACGTTGGATGCCCAAGGTAAGCTTGTTTC	ACGTTGGATGTTAGAGGGTTGGAACCAAAC	TCTGTACTTCTGAAATTTCCA
rs1058932	ACGTTGGATGCTGAAGAATGCTAGCCCATC	ACGTTGGATGGATGAGAGGTCAGAGAAGAC	CTAGCCCATCTGGCTGC
rs4986910	ACGTTGGATGTTGGAAGTGGACCCAGAAAC	ACGTTGGATGTGAAGGACTCTGATTAGAGC	CAGAAACTGCATTGGCA
rs17878459	ACGTTGGATGCTTTCAGCCAGTGGGAAATG	ACGTTGGATGATGAAGTGGTGAAGGAAGCC	CCTCTCCAGAAAACCTC
rs4244285	ACGTTGGATGGCAATAATTTTCCACTATC	ACGTTGGATGCACTTTCCATAAAAGCAAGG	CCCACTATCATTGATTATTTCCC
rs3093230	ACGTTGGATGTGTGGCCCTGTCACTAGGAT	ACGTTGGATGCCTGGGAACAGAGCTGTGAC	GAGGGTCCTTCAGCCCCTAC
rs10509681	ACGTTGGATGACTGACTTCCGTGCTACATG	ACGTTGGATGTATCTAGAAAGTGGCCAGGG	CGTGCTACATGATGACA
coding T26S	ACGTTGGATGCCATCTACTGGTTCATCTCC	ACGTTGGATGCCACCACCCATCTTCAAGT	CGGGACAAAGAGGAAA
rs1687390	ACGTTGGATGAGGACACGTCCATGGAGACAC	ACGTTGGATGAACTAGGCAAGAGGCGGTTG	GCCCTTCCCTGCCCTGCC
rs11572080	ACGTTGGATGTTTCTCCCTCACAACTTGC	ACGTTGGATGCAGTGAGCTTCTCTTGAAC	TTTTGGGATGGGGAAGA
GS30310	ACGTTGGATGAAACAAAGTTTTAGCAAACG	ACGTTGGATGGGCGCATTATCTCTTACATC	TTGTGTCTTCTGTTCTCAAAG
rs17110453	ACGTTGGATGTACTGATTTCCCTCAAGG	ACGTTGGATGCTGAAGTAAATGATTCTATG	ATTTCCCTCAAGGTCATAAA
rs6046	ACGTTGGATGTACTCGGATGGCAGCAAGGA	ACGTTGGATGTGACGATGCCCGTCAGGTAC	CCCACATGCCACCCACTACC
rs6025	ACGTTGGATGCTGAAAGGTTACTTCAAGGAC	ACGTTGGATGCTCTGGGCTAATAGGACTAC	GGACAAAATACCTGTATTCTCT
rs2470890	ACGTTGGATGTCTACGGGCTGACCATGAAG	ACGTTGGATGTGGCCTCAGAATGGTGGTGT	CTGCGCTTCTCCATCAA
rs12721607	ACGTTGGATGCAGAGTCTGTTCTGGAAAG	ACGTTGGATGCACATACACGGCAGATTTGG	CAACGCAGATGAGGAAGTC
rs2917671	ACGTTGGATGTTTTGCACTGGAGGGACAAC	ACGTTGGATGGAAGTAGAGCTTTAAAGTGG	TCACCTCCCCATCTGT
rs1058930	ACGTTGGATGGCTAATATCTTACCTGCTCC	ACGTTGGATGAGAACACCAAGCATCACTGG	TTTGATCAGGAAGCAATC
rs2234922	ACGTTGGATGACTTCATCCACGTGAAGCCC	ACGTTGGATGAAACTCGTAGAAAGAGCCGG	CCCCAGCTGCCCGCAGGCC
rs28399504	ACGTTGGATGAGTGCAAGCTCACGGTTGTC	ACGTTGGATGCATGAGAGACAGAGCACAAG	AAGAGGAGAAGGCTTCA
rs1557044	ACGTTGGATGGCTCAGGAGAAGAAACAAGG	ACGTTGGATGTCACTTTCTCTTTAGAGC	AACAAGGAGCAGAGCAAGG
rs28365094	ACGTTGGATGGTATGAGTTATTCTCTGGAGC	ACGTTGGATGACTCTCAACTGAGTCCATGC	TCTGGAGCTTCTAATACTTCA
rs3814637	ACGTTGGATGCGACAATACTTACACAAAGCC	ACGTTGGATGAGAGAAGTGGAAATAACCTC	GCCATTTTCTTTAAAGATATCATC

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rs4417205	ACGTTGGATGTGGTAAGTATACAATGTGAG	ACGTTGGATGTCCTAGGAATGATTTGATGC	GAGTAATTTTGAATTTACTGTCAT
g-3844G>A	ACGTTGGATGTCAAGTAGGTGTTCCACGTGG	ACGTTGGATGCCCTCTGTGTGACATTTTC	AACAGCCCCGGCCTGTGT
rs776746	ACGTTGGATGGTAATGTGGTCCAAACAGGG	ACGTTGGATGACCCAGCTTAACGAATGCTC	GGTCCAAACAGGGAAGAGATA
rs762551	ACGTTGGATGTCTGTGATGCTCAAAGGGTG	ACGTTGGATGCAGCTGGATAACCAGAAAGAC	AAGGGTGAGCTCTGTGGGC
rs2282687	ACGTTGGATGCTGCTGTATACCCTAGAACG	ACGTTGGATGGGGAAATGCCATTCATTAG	ACGTGATAGGCGCTCAATAA
rs5898	ACGTTGGATGATCAGTGACCGCTGGGTCCT	ACGTTGGATGGAAGGTCATTCTCGGTGAAG	CACTGCCTCCTGTACCC
rs3136516	ACGTTGGATGCAAGTTCAAGGTCACATCAG	ACGTTGGATGCCTGGTGAACACATCTTCTG	CAAGGTCACATCAGTATTCC
rs28365083	ACGTTGGATGAGGCTCTGTCCAGTACTTTG	ACGTTGGATGCATTTCCAAAGGGTCAATGG	GGTCATGGTGAAGAGCATAA
rs10260862	ACGTTGGATGCCAAATCAATCTTGGGAAAGC	ACGTTGGATGGGTAGTGACATACTGGCAAC	cATCTTGGGAAAGCTTACATTAT
rs10267099	ACGTTGGATGGGTTCTGCCTGAAGGAATTG	ACGTTGGATGGCATTATTTCCCTTAAGAG	AAGATGAAGATTGAAAACACAAATG
rs1045642	ACGTTGGATGGCTGAGAACATTGCCTATGG	ACGTTGGATGAAGGCATGTATGTTGGCCTC	GTGTCACAGGAAGAGAT
rs1048943	ACGTTGGATGTATCTTTGGCATGGGCAAGC	ACGTTGGATGGGATAGCCAGGAAGAGAAAG	AAGTGTATCGGTGAGACC
rs1051740	ACGTTGGATGTGGAAGAAGCAGGTGGAGAT	ACGTTGGATGCTGGCGTTTTGCAAACATAC	CAGGTGGAGATTCTCAACAGA
rs1051741	ACGTTGGATGTGGTGCCTGTTGTCCAGTAG	ACGTTGGATGGGCTTTGTGTTCTGCGTTCC	ggGTCCAGTAGAGCATGAC
rs1054191	ACGTTGGATGAGCAGCACAAGGAATTTCCC	ACGTTGGATGGGGAACCTTCACTTGGGTAC	GCTGAGCTGTGATGGC
rs1057910	ACGTTGGATGATGTCACAGGTCACATGCATG	ACGTTGGATGCACATGCCCTACACAGATGC	GTGGGGAGAAGGTCAA
rs10982151	ACGTTGGATGAATCTCCACCAGACTCTTGC	ACGTTGGATGCTAAAGCCAAACAGAAGGCG	accCTTCTCAATAATCTTCTCTGTT
rs109829	ACGTTGGATGGAAAAATAAAGTTCAGCCAC	ACGTTGGATGCTCCACTCTTTGCATCAAAC	AGTTCAGCCACATCTTC
rs11150606	ACGTTGGATGCTGCTGTGACTGACTAAC	ACGTTGGATGTGTTGCCCTCCTGAGGCTTG	CCTTTCCACAGCCTGTGGAC
rs11653	ACGTTGGATGCATGTAGACAAACATTAGCTC	ACGTTGGATGCTTATTGATCTCAGGCTTAC	CTCTTTCTCAACCCCTT
rs11773597	ACGTTGGATGTTCTAGTTGCCACTGTGTG	ACGTTGGATGCTCAAGGGCATAGTCTAGTC	CCACTGTGTGTACAGCAC
rs1202172	ACGTTGGATGCTGTTGCTGCAATAGAACCC	ACGTTGGATGCTGGTCCACAGTAAAACAGC	GCAATAGAACCCTTGTAAAGTTTTCTC
rs12248560	ACGTTGGATGCAAATTTGTGTCTTCTGTTT	ACGTTGGATGAGGTCTTCTGATGCCATCG	aAAATTTGTGTCTTCTGTTCTCAAAG
rs1464602	ACGTTGGATGACCACTGACCCACTGGGTAA	ACGTTGGATGATTACAAGGCCTTTGGGTGG	ctGGCCTCAGCTTGACCT
rs1536430	ACGTTGGATGGGAAGCCATTTATGATAAGC	ACGTTGGATGCAAAATATCCTACCACAAAC	CATAATCTATGTGCAATATTGATAT
rs1557572	ACGTTGGATGCACAGAACACAAGGGAGTGG	ACGTTGGATGTCCATTCAAGGCTCACAACC	ctttGGTAAAGCAACTCCGA
rs17149866	ACGTTGGATGTGTCTGTGACTAGTTTAGCC	ACGTTGGATGACAAACATGATCCTCAACTC	atTTTAGCCATAAGACTTAAACA
rs17230081	ACGTTGGATGAATCTCCACCAGACTCTTGC	ACGTTGGATGTAAAGTCAACCAGAAGGCGG	ATTGGCCACTTCTCCT

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rs1799809	ACGTTGGATGTAGCTCAGCACGGCTTGTTCT	ACGTTGGATGCATCTGTCAAGGGTTTTGCC	tCGAAGCCCACCTCTGCC
rs1799853	ACGTTGGATGCTGCGGAATTTTGGGATGGG	ACGTTGGATGACCCACCCTTGTTTTTCTC	ttGGGAAGAGGAGCATTGAGGAC
rs1800566	ACGTTGGATGTCCAGGATTTGAATTCGGGC	ACGTTGGATGGCATTCTGTGGCTTCCAAG	CAATGCTATATGTCAAGTTGAG
rs1856908	ACGTTGGATGTTTCTCAGGCAGATCACTAC	ACGTTGGATGAGGTTTCAATGCTGGAGTAG	ccTTTATCCTTCAATAAGGAGAGTTTC
rs1858923	ACGTTGGATGTGCTGATTTTCTCCAGCTC	ACGTTGGATGCTCTGACTCCTGTGATAAGG	ttccTTTTCTTGTGCTGCC
rs1882478	ACGTTGGATGATCTTGGGAAAGAGAGCCAC	ACGTTGGATGAAACAAAGCTCAGGAGCCTC	TGAGGAAACTGTCTTCCC
rs1894699	ACGTTGGATGCTCCATCCTTGGCTTTTAGG	ACGTTGGATGCCTTTGTGTGGGTAAGGAAC	AATCACTAGATACTAGATAATGGG
rs1922240	ACGTTGGATGAGAGTGGCTAGGATGTGTTCT	ACGTTGGATGAGGGTCAATGTATGAGCAGC	TTCAGTCCTGTGATATACA
rs1922242	ACGTTGGATGTGATAAGGAATAAGGATAGG	ACGTTGGATGGTACAATTCTTACATACGCAC	ATAAGGATAGGATATATTCTTTAC
rs2026160	ACGTTGGATGGTTCTGAATTTCTTTCTGC	ACGTTGGATGACACCCTGAGGGAAAAAGTC	CCTTTCTGCTTTTGTCT
rs2028898	ACGTTGGATGCCTTCTAAGGGCTTTAGCTG	ACGTTGGATGGTGTAGATAACAAGTCATCAGG	ACAGGAGTTTGAAGTTGGT
rs2056530	ACGTTGGATGAGGCATCACTTGCCATGCATC	ACGTTGGATGGAAGTGGCCAGAGGATAAAG	ctTATTCTTATATTACATTCCCCTTAC
rs2060717	ACGTTGGATGCATTTTGTGAGCTCATGGC	ACGTTGGATGGAGGTTTTACTGTGATTGGG	GCTCATGGCTTTCCTA
rs2069522	ACGTTGGATGAGAAAAGTGTGGGATCAACC	ACGTTGGATGCCATTTCATGGCCTTCAAAC	gcatATGGATGGGGAATCCAATAGAG
rs2069525	ACGTTGGATGTGCTGTAGCATGGAAGTGTCT	ACGTTGGATGCTGGCCTAGAGGTGTACATT	cagGGAAGTGTATGATCCCC
rs2069901	ACGTTGGATGACCAATCATAAGGAGGCAGG	ACGTTGGATGAGAAGGAAGATGCAGGTGTG	TGCTCCCTGGGACTCTC
rs2069910	ACGTTGGATGTCCCCTACTCAAATGCACAC	ACGTTGGATGCCAAGAATCATGGCCTCCTC	AATGCACACTGGCCTCA
rs2069919	ACGTTGGATGTACCAAGCTCACCTACTAC	ACGTTGGATGTTGTCTAAGGGTCTAGAGTCC	CTACTACCTAGGGCCA
rs2069928	ACGTTGGATGTCAGGTTGCGTCCATCTTTC	ACGTTGGATGTATGCTCAGGGTGCAGAAAC	CTTCATCATCCCCAAA
rs2069933	ACGTTGGATGACTCCTGAAAACCAACCAGC	ACGTTGGATGTCAACGGTGAATTTTCTGCTGC	CCAACCAGCATCCTACC
rs2070851	ACGTTGGATGTGATGTGTACTGAGCACCCG	ACGTTGGATGAGTGGCCTCCAAATATTCGC	tCACCCGACAGTGCCTGTCA
rs2070852	ACGTTGGATGAAGCGTACCTCAAGCCCAAC	ACGTTGGATGAAATTCTCTGTAGGTCGGC	CTGTTGGGCAATTTCT
rs2102663	ACGTTGGATGGCACCAGTGGATGATCAAAG	ACGTTGGATGAAAGCTTAGGGTGCAGATAC	ggttGTCTTAGGACCACATGAG
rs2214101	ACGTTGGATGATTTCCCCACATCCTAAAAC	ACGTTGGATGCCTACTGTAAAAAATATGG	ggCCCACATCCTAAAACATACTTA
rs2214102	ACGTTGGATGTTCTTTGCTCCTCCATTGCG	ACGTTGGATGCATTTGGCTAATGAGCTGCG	ccctCGGTCCCCTTCAAGATCCAT
rs2227590	ACGTTGGATGTGCAGGAAGTCAGCACTCAC	ACGTTGGATGTAGCATTGCTCTTCCCCG	GGGGAATCCCCAGGGCCTGC
rs2227607	ACGTTGGATGAGTTAGAACCCTGCAATAG	ACGTTGGATGGTTTTCTGGGCAGTCACTAC	TGAGAAATCAAAGGTATCCAT
rs2235033	ACGTTGGATGCTGCCTCATGTAAGTTGTCC	ACGTTGGATGTAGTTTCTAAGTTCTGCTGC	GTCCTTGCCCTTGTCC

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rs2235040	ACGTTGGATGGATGCTGCTCAAGTTAAAGG	ACGTTGGATGTTAGTTTCATGCTGGGGTCC	cacGCCTCCTTTCTACTGGT
rs2235046	ACGTTGGATGTGTGGTTCCCTAGTTTGGTG	ACGTTGGATGCAGGAGGATTCTGGATAACC	TGGTGGGCTAGGGCTAC
rs2242480	ACGTTGGATGCTAAGGTTTCACCTCCTCCC	ACGTTGGATGCTGCAGGAGGAAATTGATGC	cCCTCCCTCCTTCTCCATGTA
rs2251102	ACGTTGGATGGCTTGAGTCACTTAATTATGG	ACGTTGGATGCCAGAATTCATTCTAAAAGG	TCTGTTTTCCCTAATATATTTTTAAAT
rs2260863	ACGTTGGATGGACAGATTTGTTGTGACTGC	ACGTTGGATGGTTGGAGAGATTCAGAACCC	TACAACGTATAAGTACATCTCAGT
rs2273971	ACGTTGGATGTGGGACGCAGCCTGCCATT	ACGTTGGATGTTTGGCTGTGTTTGTAGCCC	CCATCCCACCCGGAG
rs2276706	ACGTTGGATGTGCTGCTGTCTCCTCATTTT	ACGTTGGATGCAGAGAGCATCAGTAATGGG	gaTGCTGTCTCCTCATTTCTAGGGTG
rs2290228	ACGTTGGATGCACAGGGACAGGCACATAAG	ACGTTGGATGCTGCCTCCTGAATTAAGTGC	AGGCACATAAGAACTGT
rs2292566	ACGTTGGATGTGACATACATCCCTCTCTGG	ACGTTGGATGGAAGCAGGTGGAGATTCTCA	GTTTTGCAAACATACCTTCAAT
rs2292567	ACGTTGGATGGCTGCTAGAGGTTCCATAAC	ACGTTGGATGTCGGGCCAACTCCCTGCTCA	AGGTTCCATAACTGCCCC
rs2298905	ACGTTGGATGCTGCAACTGTAACATAATCAC	ACGTTGGATGGATGCATGCTAGTTACAGAG	CAACTGTAACATAACTCACTAAAA
rs2298909	ACGTTGGATGAGCCTTTGGATCATCCTTTG	ACGTTGGATGGGACAGCAGAGAATTAAGG	CATCCTTTGTCTGTAGATTA
rs230704	ACGTTGGATGCTGCCTCTGTACAATGTCTG	ACGTTGGATGGGACTGTGAAAAGGGAGTAG	TGCTAGGGCTGCCCTCTG
rs2307040	ACGTTGGATGCCTCCGTCACAAACCCATCT	ACGTTGGATGCTGGCACCTTGAAACGTAAC	CCGTCACAAACCCATCTTTATCC
rs2307418	ACGTTGGATGATGTTTCACCAACCCCTTCC	ACGTTGGATGAAGCTACATCAAGGGCCAGC	atgtTGTGGCCTCCAAGCCC
rs2307420	ACGTTGGATGGTAGTCAGTGACTTTTCGGG	ACGTTGGATGACCTCCCCTCATCTTTCAGG	TCGGGGTGGATATACAATTTAC
rs2307424	ACGTTGGATGACTGAAAGTGTTCCTCCTG	ACGTTGGATGTGGTACTGCAAGTCATCAAG	GAGGTCACTCACCGGAAGAC
rs2359612	ACGTTGGATGAGTCTGAACCATGTGTCAGC	ACGTTGGATGTTTGAGTACCCTTCCCAGC	ACCATGTGTCAGCCAGGACC
rs2461818	ACGTTGGATGCTTAGTTACTGCATCCATCC	ACGTTGGATGTCGGAATAACAATGACTTC	CCATCCATATTTTAGTTGTATTTG
rs2470893	ACGTTGGATGTGTTCCCTTCTCTGTCAATC	ACGTTGGATGATATGCGGCCTCGTGCATTG	TGTTCCCTTCTCTGTCAATCGCCAGC
rs2472677	ACGTTGGATGGGAAGACTTATTCTATTCTG	ACGTTGGATGTTTATCAACTTTTTTGTGCC	cctgTGTGTTTGTGTTTTTTAATCA
rs2472682	ACGTTGGATGATAAGCTTAAAGGGGCAGGG	ACGTTGGATGGTCAGTCACTGGATTTACC	GGGGCAGGGAGAGAAGAATACTTATA
rs2475376	ACGTTGGATGGAAGTACTGATACATGTTGC	ACGTTGGATGAACCTGTTATGTCTGAGTCC	TGCAACTTAGATGAGCCTC
rs2480948	ACGTTGGATGTCACATCCTCGGCCAGAGTC	ACGTTGGATGAGCCAAATCGCGTTTACAC	aTCCTGAGGTGTAGCCA
rs2502804	ACGTTGGATGACCAACTATTCTGGTAACC	ACGTTGGATGAAGTGCAGGCTGGAGTCATA	TAACTCAGTCTCTCTCT
rs2606345	ACGTTGGATGCCTTTCCTATCTCATTGACC	ACGTTGGATGTAGGGACTGGTATTTCCAGC	CTGGGAGACAATCAGG
rs2671270	ACGTTGGATGAGCTGACATGAACCTCCTCC	ACGTTGGATGAGAGGGTGCAAGTCTCATTG	aggtGGCTGGCCTTTTAGCCT
rs2671272	ACGTTGGATGTCTGACTCAGGCATAAGGAC	ACGTTGGATGCATCTTCTCATTCTAGGG	tTCTGAACAAGAACAGTCT

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rs2740170	ACGTTGGATGGAAAACATGGTGTGTCTGTC	ACGTTGGATGGGGTGTGAGGTATATGGGAG	ggtcGATTGCTGAAAACTGCAAAGA
rs2759328	ACGTTGGATGGTTTCAAAAAGCCCCAAAGG	ACGTTGGATGGTGAGATGGGAGAAAGTTGG	CTGAATCCCATCTGTGG
rs2774030	ACGTTGGATGTCTAGAAACCAGCATCCAGG	ACGTTGGATGACCACCCACTCCTAAAGTTC	GGGAGGCCCTTCTTGGT
rs2787337	ACGTTGGATGTGCTGGGATTAAGGAAAG	ACGTTGGATGCTACAACTACACTGAAATATG	GGGATTAAGGAAAGTATTCTTAC
rs2854461	ACGTTGGATGTAGAGAGTGCCAGGCACCCA	ACGTTGGATGTCGAGCCTTTGCTTTCCCT	gaTCCCTCGCCAGGGCTGCGGCTTTAT
rs2860840	ACGTTGGATGATTCTGTCTGAAGAAGGGC	ACGTTGGATGCCCTGATAAGGGAGAATTGC	gcTAGTTTGGCTGCTCCTGTG
rs2860905	ACGTTGGATGGAACATGGGATTAATGAACC	ACGTTGGATGAGAGCCAAGGGAATTTGCAC	CCTTTTATACCCACACTGTA
rs2901783	ACGTTGGATGATCACGGCAGAAGGCAAAAC	ACGTTGGATGAAGTGTGTAGCACCTCCCAC	gCACTCACATGGCAAAG
rs3003596	ACGTTGGATGTTGACTTCTGAAAAGATCC	ACGTTGGATGGGAAGAATGAAAGGAAACTG	GCAAAGATCCAAGATCA
rs3024718	ACGTTGGATGAGAGAACATGCTTTGGGACC	ACGTTGGATGTCTGCGATTTCCAGGAGGAG	cccaACTGCCGCGGGTCAACTC
rs3024746	ACGTTGGATGCACTTAACACTTCCAGAGCC	ACGTTGGATGGGGATACAAAAGGAGAAAACG	ccCACTTCCAGAGCCAGTACCCGT
rs3093229	ACGTTGGATGCTTGCCCTGAGATGACAACC	ACGTTGGATGTCAATTCCTGCAAGAAG	gCAACCAAAGTTTTCTGTGTCCTC
rs3093261	ACGTTGGATGCACATTGTGCGTCATTGTGC	ACGTTGGATGTTGGCATCCAGCATCATCAG	gCTCACTGAGCCCCACCC
rs3136435	ACGTTGGATGAAACCCACCCCTGAGCTCTT	ACGTTGGATGATGTCTGGAAGGTGAGCAAC	ccTCTCCAGGCTCCCCTC
rs3211764	ACGTTGGATGACATTAGACAAGGGTCACG	ACGTTGGATGTCTAGGCTCTTGATGACCTG	ggggCACGTGCTTGTCAATAGT
rs3212998	ACGTTGGATGTCCTGTCTCTGGTCGATCC	ACGTTGGATGTGTGGCCGCTATCACAGAAC	CTTGCCTCCTCTGACCTC
rs3213005	ACGTTGGATGACACCAGGAGACAAGGCTAA	ACGTTGGATGAAGAGCAGATGGAGGCCTTG	ctACAAGGCTAAAGCCAG
rs339042	ACGTTGGATGGTGCATCTGTTGAAATGCTC	ACGTTGGATGGGAAGAAGAGGAACCGGATG	TGTTGAAATGCTCAAGACTT
rs339043	ACGTTGGATGTTATAGGCGTGAGCTATCGG	ACGTTGGATGGTCATCCCTCATAGAGACAA	GAGCTATCGGCACCCAGCC
rs339051	ACGTTGGATGTGAACAACACTCTGGCTGAC	ACGTTGGATGATAGAGCCGCTAAATCTCGG	CTGGCTGACCCTCCAAT
rs339053	ACGTTGGATGAAGTGTGAAAGTGGGTGAGG	ACGTTGGATGGCATCTTTGTCTTTTCAACC	AGGGCCATTAACCTTGT
rs339054	ACGTTGGATGACTACCACACCCATTTCTCC	ACGTTGGATGACGTTAACTGAGTGATCC	GGGTCTTTGGTCAACCA
rs339056	ACGTTGGATGACTTACCTTCTCGTAGCC	ACGTTGGATGTTCCGGTTGGGCGGTGCTTG	TTCTCGTAGCCCCACAGC
rs339057	ACGTTGGATGCTAGGAGAATGAGCTAGGTG	ACGTTGGATGTCCGCATCACATAGACTTC	CATGGAATGAGGGAAGTCAA
rs339096	ACGTTGGATGTGAGTGGAGATCACGCCACTG	ACGTTGGATGGCAGACGTACACAATTATT	CCTGGGTGACAGAGCAA
rs339097	ACGTTGGATGTGGATTCTGAATCTGGCCAA	ACGTTGGATGCTTTCCCTTTAGCCTTATA	TTCTGAATCTGGCCAATACTTA
rs339098	ACGTTGGATGTAGCGGATTCATTGAGACAG	ACGTTGGATGGGAGTTTTTGTACTGTGTG	GATGATTTATACCTGAACTCCAAA
rs3732356	ACGTTGGATGTCTGAGTAAGGACGTGCCGT	ACGTTGGATGTCACATGTGCACGTGTGTT	ACGTGCCGTGGGTGTG

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rs3732357	ACGTTGGATGTTCAAACCTGAACCTGCAAC	ACGTTGGATGTTCAGGTCACCTCAGATCTC	aaAACCTGCAACAGAATCAC
rs3732359	ACGTTGGATGTCCCTCAGATCCCACTAAAG	ACGTTGGATGAACAAACGTGGGTATGTGGG	ACCAAGCGACCAAGGAT
rs3753305	ACGTTGGATGGACAGTTTGTCTGGGTTGTG	ACGTTGGATGTCCAAAGTTCTGGAGATTCG	CTATGGTTTTGACTCAACAATT
rs3753660	ACGTTGGATGCCAGCACTACCAGGTGTATC	ACGTTGGATGAGAATGCAAGAGATCGTGTT	tAAGAGGAGGGCAAAGTG
rs3753663	ACGTTGGATGTTAGAACGCTGCCCTGGGAC	ACGTTGGATGAGCCTGGGATTGGGAGGAAA	ccCCCCTGGGATGCTCAACATA
rs3766110	ACGTTGGATGGGAAAGGCATGCATGAAGAC	ACGTTGGATGAAATGCCGGAACCTCATT	GACATTTCAAGTGATCAGTAAGAT
rs3814057	ACGTTGGATGAGGGCTACATTTCCAAAAC	ACGTTGGATGTATAGCCACTTGTGAGTAAA	gtGCTACATTTCCAAAAGTAGTTC
rs3817268	ACGTTGGATGGAAAACACAGCAAACCTGC	ACGTTGGATGTAGCCAGTGATGTGGGAAAC	AGCCACAAGATACTGC
rs3817939	ACGTTGGATGTAGAAAATATCTGATGCTGTC	ACGTTGGATGTGCTGGCTGTTAGACTCTC	ctctAAATATCTGATGCTGTCTTCTTC
rs3842	ACGTTGGATGGGAACAGAGTGAGAGACATC	ACGTTGGATGTAAAATCTACTTTAATTCTG	gggCATCAAGTGGAGAGAAATC
rs392959	ACGTTGGATGCTCTTACTCCTTTGTTTCTC	ACGTTGGATGTGGTAGGCACCTTGAAGTAG	TCTTACAGATCAAGCTCC
rs401597	ACGTTGGATGGTGTATGCATCAAAGATGTCC	ACGTTGGATGTAGTACCCTGACACAGTACC	tcCAGACATTACTGAGTTACAACATA
rs4073054	ACGTTGGATGTTACTGTCCTTCCCTTAGGG	ACGTTGGATGCTGAAACGATGTGAGACAGG	gTTCCTTAGGGAATTCAGGTATC
rs413536	ACGTTGGATGAGGAAACACACTGGCTTGAC	ACGTTGGATGTTTCATCATGTAGGTACAGGG	gTGACTCCTTGAGATTAATAGTTA
rs4148737	ACGTTGGATGAGTGAATGACCACCACTCTG	ACGTTGGATGTGGACATTTCAAAGTGTCCC	CCACATCAGGTTTTCCCCAG
rs4149223	ACGTTGGATGCCTAGATATTGAGTCCTGCC	ACGTTGGATGCCAGTGTGAGCCCTTATTAC	gCTGCCACCCTTAGTGCCCCCGCC
rs4233368	ACGTTGGATGCTCTACCCTCTCTCATTGAG	ACGTTGGATGGGAGGAAGAGGAATTGTGTG	AGAAAAGACACAGAGAATCA
rs4244284	ACGTTGGATGAGGGAGCATGAACCAAATGG	ACGTTGGATGACCCTAGACAAGTCAGTGAG	GTGCTTTTATTTAATTGGACT
rs429358	ACGTTGGATGGCTGGGCGCGGACATGGAG	ACGTTGGATGTCGGTGCTCTGGCCGAGCAT	atCGGACATGGAGGACGTG
rs4646421	ACGTTGGATGTCCTTCATTGATCTGACCAC	ACGTTGGATGAGACTCCTTAGGGACACTTC	ggggCCTACTCTTCAAAGGAGGTA
rs4646425	ACGTTGGATGTCTGGTGTACGTTGCTTCC	ACGTTGGATGTTCCCTCCAATAACACCAGG	CCCTGTGTTCACTAA
rs4646453	ACGTTGGATGGTGTGTTGTTCTGCTATGTG	ACGTTGGATGACACTAAGAGGGAGGGCCTTG	caacAATTCTCATCTTCTGGAATA
rs4646457	ACGTTGGATGTGCATTCCATCTTACCTCC	ACGTTGGATGATGCTGCCAATCAACTGAC	TGCAATGAACACTGAATAAAAAAT
rs4653436	ACGTTGGATGGCCATTGAAAGGTTTACGGG	ACGTTGGATGAGAACAACAGCCTTGCTCTG	GGGCAAAAGAATGGGTA
rs4656687	ACGTTGGATGGACCCACGATTATAACTTGC	ACGTTGGATGGAATCAGGGTTCTTTCTGGG	CATTTTTGCTAACCGCTCAC
rs4857037	ACGTTGGATGCAAGTGAGTTTCTTTGGGTC	ACGTTGGATGCCTTAGGAGTCACAGTGTT	cGTTTCTTTGGGTCAGTATA
rs4857343	ACGTTGGATGCTCAAAGTAGAGAGATCAGTG	ACGTTGGATGGGTAAAACAAGAATGGCAGAG	gtTCCCCACCCTTTAATAAT
rs4917639	ACGTTGGATGGAAAGCAGCACATCAAAGAG	ACGTTGGATGGGATTACTTTCACCTTTGAC	tgggGCAGCACATCAAAGAGATATT

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rs5013930	ACGTTGGATGGGAATAAACCTGAACAACCTC	ACGTTGGATGTAAAAATCAGAGGGCTCTAA	AACTCTATTTTATCTATGTGTTTTT
rs563964	ACGTTGGATGCCTGGTGAAGTATGAGGATG	ACGTTGGATGCTGGGAACACATCCACTCTG	aTGACTGATGAGGATGAGGTTC
rs5878	ACGTTGGATGATCTCCTCCAATTCATCCAG	ACGTTGGATGTTGCCAAGCCTGAGAAGAG	TCCAATTCATCCAGCCACTC
rs5936	ACGTTGGATGGCAGAGGTGAGCTTCCTCAA	ACGTTGGATGACCTCCTCTAGGCAGTAATG	AGCTTCCTCAATTGCTC
rs5960	ACGTTGGATGTCTCTTGGCTTGGTAGAGAC	ACGTTGGATGGAAAACGAGGGTTTCTGTGG	aaGATGTAGAACTCGCTCAGAAT
rs6018	ACGTTGGATGGCTCTGCTGTGGAAGAATTG	ACGTTGGATGTCACCAACAAGCCACCACAG	TGTGGAAGAATTGAGAACTGAG
rs6029	ACGTTGGATGATAGGTGTATTCTCGGCCTG	ACGTTGGATGCAGGTGCTTCTTACCTTGAC	CAGCGTCGTCCATCTTCTC
rs6035	ACGTTGGATGCTGGGCTCTGATAATAGGAC	ACGTTGGATGACGAAGATGAGTCCTTCACC	CCAAAATCCCATCTTC
rs6037	ACGTTGGATGATCCATTGTGACCGTCACAG	ACGTTGGATGCTATGGAAAGAGGCATGAGG	TCCACGCATGGGGAAGAG
rs6041	ACGTTGGATGTGCTCGCCTGGAAGGAAGAA	ACGTTGGATGAGACCTAGAAATGGCCACAG	GGAAGGAAGAAGCCCCC
rs6048	ACGTTGGATGCCAAAATGGTTTCAGCTTCAG	ACGTTGGATGCAAATCTAAGCTCACCCG	CCACATCAGGAAAAACAG
rs6426089	ACGTTGGATGTTGTACAGATGGTGCTGAG	ACGTTGGATGAAAGGAAGGACCTTCCACAG	ttccCCCTGGCTGTCTTGCTGAG
rs6427198	ACGTTGGATGGAATTGTTGACAGAACTGAG	ACGTTGGATGGTGGAAAGCACTGACTGTTG	GTTGACAGAACTGAGATAGGAA
rs6602908	ACGTTGGATGCTCAGGAGGGTGTGGCAAG	ACGTTGGATGCACCTCTCTCCACACTTGC	CCACAAAAGGTGTGGC
rs6686001	ACGTTGGATGGGGAATCTGGTGAATGGAC	ACGTTGGATGGCTTGAGATGTGTTGGATAC	aTGTGCCCAAAGGTCCCCAGG
rs689453	ACGTTGGATGAAGAGCACTGATCGTACTGG	ACGTTGGATGCCTTTCTTCTTCAAAGCCGC	TTCAACTATGCCATGAAGGA
rs693335	ACGTTGGATGTGTCCTTTTGCTGCGCAGGC	ACGTTGGATGCTGCACAGCAGAAGCACTAG	gtCGCAGTGCCGGGTTTCGC
rs721161	ACGTTGGATGTTGAAGACAGCCTTACAGGG	ACGTTGGATGCAAGGAGTCTATGTAATTGGG	TGTGGCTTTATTTTCTTTGTCC
rs7294	ACGTTGGATGTTCTAGATTACCCCTCCTC	ACGTTGGATGAAAAAAGAGCGAGCGTGTGG	CTCCTCCTGCCATACCC
rs7412	ACGTTGGATGTCCTCCGCGATGCCGATGAC	ACGTTGGATGCTCGCGGATGGCGCTGAGG	CGATGACCTGCAGAAG
rs7530560	ACGTTGGATGTTCTCAAACCCTCTCCTCC	ACGTTGGATGTGCCATAATGTAGGTGAGAG	tTACATCCTTCCACTATCTTAGCTCC
rs753057	ACGTTGGATGACGGATGGACAGAGACAAAC	ACGTTGGATGAATTTTGCAGGGAGTCGCAC	GCGAAATGGGATGAATGCA
rs7568458	ACGTTGGATGTTGAGGCAACCTCATTGAGC	ACGTTGGATGGGCTCCACCTCAAATCAAAG	tTCTGAGCTGTTGGTGC
rs7643645	ACGTTGGATGTGGGCAAGATCACAACATGG	ACGTTGGATGACCATGCTTAGCTACAGCTC	CAACATGGGAAGAAAAATGGCC
rs776905	ACGTTGGATGAACCAGCAGATCAAGACTCA	ACGTTGGATGCAGTACTTAGTACAAAGTTTTC	cACCAGCAGATCAAGACTCATTTGCC
rs7997328	ACGTTGGATGTCCTGAGAGTGCTGTTCTCG	ACGTTGGATGGTAAAATGGCTCAGTGACAG	ggGTGTGAAGTTGTTACATCCTCA
rs8178592	ACGTTGGATGTGGCTGAGCTTAGTTAGCAG	ACGTTGGATGTGTGATCACTACACACCCC	TGAGCTTAGTTAGCAGCTCTTAC
rs8178607	ACGTTGGATGTTGTTTGTCTTGGTCAGTG	ACGTTGGATGATCCTTGCCAACATCTGAGC	actcGGTCAGTGATCAATGAAGAT

SNP ID	Forward	Reverse	Extension
rs8178610	ACGTTGGATGCTGCCTATGAATTGTATGAC	ACGTTGGATGCAAACCCGCTCTCTGAATTG	GTATGATCGAACTAAGAAAAAATG
rs8178633	ACGTTGGATGATCCAAGTTCTCTCCTCCAG	ACGTTGGATGGAGTCGAACAAGAAATTCAC	ctcCTTTTTGTTTGCTTGTTTTG
rs8597	ACGTTGGATGCTGTTTCGATTGCAGAATATA	ACGTTGGATGCCCATATTGTGTGTTCTGTG	AATAACCAATATCCAAATTCAAGA
rs9282564	ACGTTGGATGACTCAAATCTCGCAACTATG	ACGTTGGATGGAGGAGCAAAGAAGAAGAAC	agTGAAACAAGCTAGTTACCTTTTAT
rs9332197	ACGTTGGATGCATATACCCCTGAATTGCTAC	ACGTTGGATGCTCTTCTGGACTTTAGCTG	AATGTGCCATTTTTCTCC
rs9332504	ACGTTGGATGTTCTCTTACCACTCCTGCTC	ACGTTGGATGAGTGAAGCCTTGTTTTGGG	ATTCTTCCCAGGGTTC
rs9332618	ACGTTGGATGGTAGTTTTCTCCAGAAATACC	ACGTTGGATGCTCCACTACCTATCACTCTC	gcAATACCAAAAGATATTTGTTCTTAG
rs947173	ACGTTGGATGTTCCCCTGGGTAATATCAGC	ACGTTGGATGGAAAGAGCCACCTACGCTG	ATCAGCCAAGCACAAATCCC
rs955000	ACGTTGGATGAGCCTGGGCAACACATAGAA	ACGTTGGATGTGACTGTGTTGTGTACTACC	ctGCAACACATAGAAACCCCAT
rs9577874	ACGTTGGATGTCTACCCAGCCACAGAGAG	ACGTTGGATGTCAGCACCCGTTAGAGCTTC	cCAGAGAGGGAGAGGAC
rs9604573	ACGTTGGATGCTGGTCAGGCAGGTCTGATT	ACGTTGGATGATCTCAGCTGCGTTGGGCG	AAGTGGAAAATCATGTTCA
rs9683303	ACGTTGGATGCTTATTTCACTGAAGTCCTC	ACGTTGGATGGATGAAACCCCTGAAAGCC	gACTGAAGTCCTCAAAACTCTCC
rs9923231	ACGTTGGATGGGATTATAGGCGTGAGCCAC	ACGTTGGATGTCTGGGAAGTCAAGCAAGAG	GCGTGAGCCACCGCACC
rs7175032	ACGTTGGATGTCAAACCAAACATTCCCCC	ACGTTGGATGCTTCCCGATTCTGAGTTCAC	CCCCCCTCATCCCTA
rs432925	ACGTTGGATGCCTGCCCTCACCTGTGTA	ACGTTGGATGAGTACCCTACGCTCAAGTTC	CACCTGTGTACTCCTC
rs836832	ACGTTGGATGTCTTGCTAGCACTTGGCTTC	ACGTTGGATGATGTGAGGCCCCACTGTGAG	GCTTCCCGTTTGTAGC
rs400037	ACGTTGGATGCCTGCTCAAATTTCTTGCCC	ACGTTGGATGTCTCCTGAGCCAGGAGATAC	GAGGGTCTTAAGTGGC
rs702030	ACGTTGGATGTTAAGGTGCTCTGGCAAAGG	ACGTTGGATGAAAGTTCAGGACAAGGTGGC	GGCAAAGGTAGTTGTGA
rs11647490	ACGTTGGATGGTACTTGAGAGTAGGGAAGC	ACGTTGGATGCACGAGGACATCATCATTGC	cGCATCCAGCTCGTTGGC
rs2685127	ACGTTGGATGAGACGTCTGCCAAGATCTTC	ACGTTGGATGAAAGCCCGCTAGGAGCTCCC	TGCTGTTTGTCAACCAGA
rs1976715	ACGTTGGATGAAAAGAGGGAGCAGGCAGAG	ACGTTGGATGTTAGATGGGATCCTAGAGGG	tTGGGCACGGGAACATGG
rs4677875	ACGTTGGATGAGTGTGTCAGTGCACATTACC	ACGTTGGATGGAAGTTTTGTGCAGGGAAG	cTAATCTTACAGTCCTCCT
rs6464929	ACGTTGGATGTTGAATCTCATGACCCCTGC	ACGTTGGATGAGGCACTGGACAAAAGTGAG	CTCATGACCCCTGCTTTGCT
rs4727006	ACGTTGGATGAAACACGACTTGGCCTCAAC	ACGTTGGATGCAGGCAATCACCAGTCTCC	AAACCCACAGTGGAACAGGC
rs1686447	ACGTTGGATGAACAGCCTCTGCTCCTTATC	ACGTTGGATGATGTCCAGATAAAGACTCGG	CTCCTTATCTATGTCAGGTAT
rs10163054	ACGTTGGATGTCACAATGATGGTAATACG	ACGTTGGATGAATGGCAACATTCTGGAAGC	TGATGAAAATGTAACCAAATG
rs1625940	ACGTTGGATGCTGGAATGGTTTCCAGTTAC	ACGTTGGATGTTCTGTGAGATACCAGATAG	ATGGTTTCCAGTTACTTGGCTT
rs1010954	ACGTTGGATGTCCAAGCCTCTGGAACCCG	ACGTTGGATGCTGTCTTTAGAGAGGGACTG	AGCTGCCCTGCCCTTCCAAGTC

SNP ID	Forward	Reverse	Extension
rs12901424	ACGTTGGATGATAGACCAGGTAGGGTTGGG	ACGTTGGATGTGTGAGAAGAGAAGGACCAG	cCAGATAATGGGTCCCCCTAATG
rs6464930	ACGTTGGATGGACAACCTTTACAGGGTG	ACGTTGGATGATGTTGAGAGCCCCTTGAG	GTGAATTTTACAAAAACAAAGA
rs876017	ACGTTGGATGGTTTGGTGATATGTGTCCGC	ACGTTGGATGTGAGCCTTTCAGGCAAGAG	TGGTGATATGTGTCCGCGAAGGC
rs1734346	ACGTTGGATGATCCCCTTGTCTCAGTATG	ACGTTGGATGTGTTCAATGGGAAGCTAGTT	CAACAGAACCAGTATTTTCAACTCT
rs1734343	ACGTTGGATGACAGTGATTCCTGTACCCTC	ACGTTGGATGAGCATAGACCTAAGCAAGCG	aCCTCCGAGTCATTCTGAAGATGAA
rs1686482	ACGTTGGATGGATGAAGTAGCCGCTACAAG	ACGTTGGATGGTAAGATGCTGAGCTTACTG	GTATACTGGATGTAGGTATCCAGAA
rs7795577	ACGTTGGATGACTTTGCTCCGCCAAAACCTG	ACGTTGGATGAGAGTCTGAGCTGGGACTTG	GAGTTGCTGAAAGGGACCAAGGGCC
rs3792366	ACGTTGGATGAAATCGGGACTGTATTCAGG	ACGTTGGATGACAACCTGGTTTGAGGGTTC	gAATCGGGACTGTATTCAGGAAGTGA
rs1799919	ACGTTGGATGCACCGCTCTCCAGGAATTC	ACGTTGGATGACTCATCCCTGTCTTCCACA	ATCCAGCGTGC GTTCCCCGTTGTAATC
rs1063495	ACGTTGGATGTGGCCAATGTGTTCAATTCG	ACGTTGGATGATGCTGGAGCTGAATCAGAC	CAATGTGTTCAATTCGATTGTGAAATA
rs1533756	ACGTTGGATGTTCCAGAGGCTTGAGGGGAT	ACGTTGGATGAAACTCCTCACAAGACCCTC	GGATCCCGTTCCTCAG
rs13066716	ACGTTGGATGAGTTCTGGCTGTCAGTGACC	ACGTTGGATGTTTACTCGTGAGGGATCCAG	TTCCTGAACAAGGGACA
rs2070871	ACGTTGGATGATCAAACACAACCAGCTGCC	ACGTTGGATGAACCCACTCCTCCCCATCC	CCAGCTGCCCCTTGTCAT
rs1078982	ACGTTGGATGTTCCCAGCCTGGACCTCACT	ACGTTGGATGCTAAACTGGTTTTGAGTGG	GGACCTCACTCATTCTATA
rs16939823	ACGTTGGATGAGCCCTGGCTTGAGGGGAAG	ACGTTGGATGATGCCTGGAAGAGGAGCTG	GGAAGGCCCAGGGCCTGT
rs3844075	ACGTTGGATGAAGGGTTTGTGGAAAGTGGG	ACGTTGGATGAGACCTGGAAGAGGATGGTG	ggGGAGAGGTGCTTAAGAG
rs1551927	ACGTTGGATGCGCTGAAGCCAGAATGTTTC	ACGTTGGATGAGCAGCGTTTACCTCC	TCCGGGGCCAATTATTCTTT
rs10085877	ACGTTGGATGTGGCCACATTTTGTGGGCAG	ACGTTGGATGTAAGCACTGGCACTGAGGG	ggatGGCAGGCCATGCTGTT
rs10272564	ACGTTGGATGCTGAGATTTAATTCGTTACCC	ACGTTGGATGCCAGCCTACAGTGGTCATTT	gcccCATCAGCCAAAGCAAAT
rs4727005	ACGTTGGATGAACAGCTCCCTCTGGTGAAC	ACGTTGGATGACATGGTGCTCCGTTGAGG	gggaAGCTGGAGCTGCCCCGAA
rs1198873	ACGTTGGATGCTGTTAGATCTGCAGAAGGG	ACGTTGGATGCTGGATTGTAGCAGGAGTAG	cGAAGGTCAACATCTCATTTTA
rs11904084	ACGTTGGATGTAACATTCCTCACCATCAGC	ACGTTGGATGTTTTCTGATAACGCCCCACC	gCTGGACTACAAGCAGTTGAAG
rs10269104	ACGTTGGATGGCAGCAGTCAGAGTAGAGAG	ACGTTGGATGAGATGGTCTCTCCTGAAGCC	tatcCAGAGTAGAGAGCAGAGC
rs1130674	ACGTTGGATGTCTTAAAACCATCCAGCGTG	ACGTTGGATGCACTCAAGTTCTTCTGCTCC	ccccTGC GTTCCCCGTTGTAATC
rs8040336	ACGTTGGATGGATGAATAATTGCCCTTCTC	ACGTTGGATGTGCTTCTTCAAGTGGCTGAC	TGTCATAACTTTTATTTTACTT
rs11863142	ACGTTGGATGTGAGGGGCAGGCCGTCAT	ACGTTGGATGCCACTCGGCAATGCCCTCA	ccttGGGACTCCCTGCAGGACCAC
rs11070411	ACGTTGGATGCATTCCTGCTAAATCTTGCTG	ACGTTGGATGCCTCTCAGTGCATTTTACCC	TAGGCATAATAACTGATCTGAAAA
rs1107377	ACGTTGGATGGTCATGACACCTTAGACCTG	ACGTTGGATGTTCAAGTGGCTGAC	gaggCCTGTGTAATGTTGACTAG

Appendices

SNP ID	Forward	Reverse	Extension
rs419949	ACGTTGGATGATGAGGGCAGTACTGTGG	ACGTTGGATGTGGGCCAAGGCCAAGAAGGT	aaattCCCCTCAGGACCTGCAGGAC
rs12471762	ACGTTGGATGGTGGTAAATTTTATTTATG	ACGTTGGATGCGAGTCTTATTTTCAGTGGG	GGTAAATTTTATTTATGTTATGTGC

APPENDIX II UNIVARIATE RESULT OF DOSE ASSOCIATION (UPPSALA STUDY).

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
ABCB1	sqrt_dose	rs2188531	1	0.1428745	0.000467	0.7632
ABCB1	sqrt_dose	rs6465117	1	0.13951337	0.000463	0.7688
ABCB1	sqrt_dose	rs17328991	1	0.1019175	0.000345	0.7981
ABCB1	sqrt_dose	rs10267099	2	1.46844255	0.004762	0.6324
ABCB1	sqrt_dose	rs2157926	1	0.2286435	0.000737	0.7043
ABCB1	sqrt_dose	rs2214101	1	0.13471973	0.000424	0.7734
ABCB1	sqrt_dose	rs17149824	1	0.14402468	0.000453	0.7649
ABCB1	sqrt_dose	rs4728709	1	0.18263224	0.000586	0.7349
ABCB1	sqrt_dose	rs2214102	2	7.9844733	0.034709	0.0786
ABCB1	sqrt_dose	rs9282564	2	0.21792496	0.000764	0.9335
ABCB1	sqrt_dose	rs1858923	2	9.62596927	0.032526	0.0518
ABCB1	sqrt_dose	rs3789243	2	6.74737669	0.022133	0.1234
ABCB1	sqrt_dose	rs1202181	2	2.53212039	0.008031	0.4593
ABCB1	sqrt_dose	rs1202172	2	3.41923358	0.010961	0.3529
ABCB1	sqrt_dose	rs1989830	2	2.96595808	0.009966	0.3823
ABCB1	sqrt_dose	rs1202179	2	2.36795701	0.007644	0.4787
ABCB1	sqrt_dose	rs1202180	2	2.28844376	0.008014	0.5170
ABCB1	sqrt_dose	rs10260862	2	0.33751716	0.001158	0.9036
ABCB1	sqrt_dose	rs2235015	2	0.24294653	0.000771	0.9290
ABCB1	sqrt_dose	rs1202167	2	1.93349841	0.006185	0.5581
ABCB1	sqrt_dose	rs1202169	2	2.5722116	0.008663	0.4433
ABCB1	sqrt_dose	rs955000	2	3.83224296	0.012704	0.3045
ABCB1	sqrt_dose	rs868755	2	2.26361415	0.007405	0.5010
ABCB1	sqrt_dose	rs1922240	2	1.26254243	0.004321	0.6772
ABCB1	sqrt_dose	rs2235033	2	0.15501537	0.000534	0.9546
ABCB1	sqrt_dose	rs2235035	2	3.22950572	0.017044	0.3002
ABCB1	sqrt_dose	rs2235013	2	0.93393554	0.003161	0.7438
ABCB1	sqrt_dose	rs2091766	2	1.11564984	0.003569	0.7120
ABCB1	sqrt_dose	rs2235046	2	0.56809304	0.001956	0.8376
ABCB1	sqrt_dose	rs1922242	2	0.85172025	0.002795	0.7644
ABCB1	sqrt_dose	rs4148737	2	0.23139447	0.000775	0.9323
ABCB1	sqrt_dose	rs2235040	2	0.892099	0.002813	0.7630
ABCB1	sqrt_dose	rs2032582_3	2	0.21411746	0.000817	0.9383
ABCB1	sqrt_dose	rs6959435	2	0.03883942	0.000138	0.9876
ABCB1	sqrt_dose	rs4148742	2	0.49438749	0.001570	0.8613
ABCB1	sqrt_dose	rs2235067	2	0.38761973	0.001316	0.8859
ABCB1	sqrt_dose	rs1045642	2	0.64644023	0.002156	0.8270
ABCB1	sqrt_dose	rs3842	2	1.06439023	0.003484	0.7266
APOE	sqrt_dose	rs7412	2	2.08206097	0.007666	0.5280
APOE	sqrt_dose	rs429358	2	5.80904527	0.019273	0.1574
CALU	sqrt_dose	rs8597	2	2.01646723	0.007410	0.5495
CALU	sqrt_dose	rs11653	2	12.84034745	0.041134	0.0174

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
CALU	sqrt_dose	rs339098	2	7.86815039	0.027129	0.0952
CALU	sqrt_dose	rs2307040	2	8.8565882	0.027851	0.0628
CALU	sqrt_dose	rs1006023	2	8.93422784	0.028095	0.0613
CALU	sqrt_dose	rs2290228	2	1.70872124	0.005560	0.5807
CALU	sqrt_dose	rs339054	2	9.1170075	0.029445	0.0576
CALU	sqrt_dose	rs2060717	2	2.64126295	0.009076	0.4263
CALU	sqrt_dose	rs339057	2	7.04922611	0.022167	0.1099
CYP1A1	sqrt_dose	rs2470893	2	1.08031098	0.003527	0.7289
CYP1A1	sqrt_dose	rs2606345	2	1.69033211	0.005590	0.5888
CYP1A1	sqrt_dose	rs4646421	2	0.85262982	0.002967	0.7619
CYP1A2	sqrt_dose	rs2470890	2	3.26364492	0.010263	0.3620
CYP1A2	sqrt_dose	rs2472304	2	3.48712402	0.011374	0.3531
CYP1A2	sqrt_dose	rs762551	2	4.87851018	0.015424	0.2197
CYP2C18	sqrt_dose	rs10736086	2	0.34984672	0.001109	0.8995
CYP2C18	sqrt_dose	rs2860840	2	2.9847188	0.009675	0.3990
CYP2C18	sqrt_dose	rs2281891_2	2	2.12433905	0.007309	0.5111
CYP2C18	sqrt_dose	rs10509675	2	4.17107664	0.013179	0.2743
CYP2C18	sqrt_dose	rs7919273	2	0.53049901	0.001681	0.8516
CYP2C18	sqrt_dose	rs1926711	2	3.1463342	0.010561	0.3805
CYP2C18	sqrt_dose	rs7898763	2	3.88061458	0.012215	0.3036
CYP2C18	sqrt_dose	rs7099637	2	3.90275221	0.013046	0.2949
CYP2C18	sqrt_dose	rs7896133	1	21.42330419	0.073529	0.0001
CYP2C18	sqrt_dose	rs7478002	2	2.17092589	0.006853	0.5115
CYP2C18	sqrt_dose	rs2901783	2	6.48006569	0.021929	0.1315
CYP2C18	sqrt_dose	rs2860837	2	4.18423274	0.014123	0.2645
CYP2C18	sqrt_dose	rs1926706	2	0.92806719	0.003020	0.7514
CYP2C18	sqrt_dose	rs12249418	2	3.70131673	0.012228	0.3050
CYP2C19	sqrt_dose	GS30424	2	8.79152903	0.031968	0.0685
CYP2C19	sqrt_dose	rs1853205	2	2.66789601	0.008805	0.4335
CYP2C19	sqrt_dose	rs4244284	2	0.92410835	0.003033	0.7608
CYP2C19	sqrt_dose	GS30100	1	16.71871943	0.056501	0.0012
CYP2C19	sqrt_dose	GS30253	2	6.46963001	0.021113	0.1419
CYP2C19	sqrt_dose	rs4417205	2	2.52601287	0.008774	0.4666
CYP2C19	sqrt_dose	rs17879456	2	1.17348711	0.004296	0.6965
CYP2C19	sqrt_dose	rs17882419	2	4.59443162	0.014699	0.2467
CYP2C19	sqrt_dose	rs12248560	2	5.05259273	0.016633	0.2192
CYP2C19	sqrt_dose	rs3814637	2	32.10230095	0.105603	<.0001
CYP2C8	sqrt_dose	rs1557044	2	2.61157221	0.012213	0.4205
CYP2C8	sqrt_dose	rs17110453	2	3.33417342	0.015519	0.3218
CYP2C8	sqrt_dose	rs2275622	2	1.81788969	0.008553	0.5434
CYP2C8	sqrt_dose	rs11572080	1	2.49249684	0.011711	0.1935
CYP2C8	sqrt_dose	rs3752988	2	2.4271239	0.011367	0.4416
CYP2C8	sqrt_dose	rs1058930	1	1.19240743	0.005651	0.3705
CYP2C8	sqrt_dose	rs1341163	2	1.29857521	0.006239	0.6372

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
CYP2C8	sqrt_dose	rs947173	2	2.56661918	0.012332	0.4093
CYP2C8	sqrt_dose	rs1891071	2	1.46455774	0.006900	0.6116
CYP2C8	sqrt_dose	rs2275620	2	3.08904361	0.014963	0.3534
CYP2C8	sqrt_dose	rs7898759	2	4.18789688	0.020725	0.2433
CYP2C8	sqrt_dose	rs1058932	2	2.96684837	0.013879	0.3707
CYP2C9	sqrt_dose	rs4607998	2	1.44238256	0.004557	0.6391
CYP2C9	sqrt_dose	rs1057911	2	44.31154644	0.144784	<.0001
CYP2C9	sqrt_dose	rs2298037	2	6.59065715	0.021991	0.1307
CYP2C9	sqrt_dose	rs9332222	2	1.61680924	0.005104	0.6088
CYP2C9	sqrt_dose	rs9332214	2	44.01487444	0.139204	<.0001
CYP2C9	sqrt_dose	rs1057910	2	45.03959448	0.141634	<.0001
CYP2C9	sqrt_dose	rs9332197	2	0.28715136	0.001057	0.9121
CYP2C9	sqrt_dose	rs1934966	1	0.82480581	0.002802	0.4670
CYP2C9	sqrt_dose	rs1934964	2	1.53630853	0.004837	0.6233
CYP2C9	sqrt_dose	rs9325473	2	44.40440128	0.147496	<.0001
CYP2C9	sqrt_dose	rs1856908	2	2.78657292	0.008763	0.4202
CYP2C9	sqrt_dose	rs4917639	2	37.20429074	0.117176	<.0001
CYP2C9	sqrt_dose	rs2153628	2	3.10009247	0.009749	0.3829
CYP2C9	sqrt_dose	rs2475376	2	6.76202224	0.021287	0.1240
CYP2C9	sqrt_dose	rs10509679	2	5.88371769	0.018581	0.1637
CYP2C9	sqrt_dose	rs2860905	2	21.45781125	0.070732	0.0010
CYP2C9	sqrt_dose	rs17110268	2	1.606719	0.005053	0.6072
CYP2C9	sqrt_dose	rs9332108	2	45.03959448	0.141634	<.0001
CYP2C9	sqrt_dose	rs4917636	2	2.8022929	0.008938	0.4378
CYP3A4	sqrt_dose	rs11773597	1	1.04380801	0.003303	0.4201
CYP3A4	sqrt_dose	rs2242480	2	1.75201141	0.005554	0.5842
CYP3A5	sqrt_dose	GS30681	2	8.72136874	0.029442	0.0640
CYP3A5	sqrt_dose	GS30260	2	1.42885469	0.004687	0.6461
CYP3A5	sqrt_dose	GS30600	2	5.12417816	0.016114	0.2019
CYP3A5	sqrt_dose	rs776746	2	1.3267638	0.004292	0.6820
CYP3A5	sqrt_dose	GS30593	2	3.09656456	0.009778	0.3951
CYP3A5	sqrt_dose	rs6976017	2	2.58207852	0.008400	0.4506
CYP3A5	sqrt_dose	rs4646457	2	0.93971197	0.003377	0.7629
EPHX1	sqrt_dose	rs2102663	1	0.51297575	0.001714	0.5676
EPHX1	sqrt_dose	rs3753663	1	1.74888107	0.005543	0.2960
EPHX1	sqrt_dose	rs1051741_2	2	4.67968013	0.014953	0.2302
EPHX1	sqrt_dose	rs2671266	2	4.4678725	0.014155	0.2637
EPHX1	sqrt_dose	rs2292567	2	7.86826941	0.028598	0.0913
EPHX1	sqrt_dose	rs2234922	2	9.23297231	0.032275	0.0605
EPHX1	sqrt_dose	rs4149223	2	2.84598521	0.012301	0.3761
EPHX1	sqrt_dose	rs2740170	2	0.58127545	0.001866	0.8358
EPHX1	sqrt_dose	rs2260863	2	1.34265597	0.005868	0.6546
EPHX1	sqrt_dose	rs2292566	2	2.35747614	0.008596	0.4927
EPHX1	sqrt_dose	rs1051740	2	0.04285224	0.000182	0.9861

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
EPHX1	sqrt_dose	rs3817268	2	1.59759588	0.005024	0.6089
EPHX1	sqrt_dose	rs2671270	2	3.29082911	0.010450	0.3686
EPHX1	sqrt_dose	rs3738047	1	0.15745438	0.000519	0.7532
EPHX1	sqrt_dose	rs2671272	2	1.84343982	0.006170	0.5694
EPHX1	sqrt_dose	rs3753661	1	2.11998033	0.006682	0.2535
EPHX1	sqrt_dose	rs3753660	2	1.5995325	0.005206	0.6122
EPHX1	sqrt_dose	rs3753659	2	1.58828987	0.004995	0.6122
EPHX1	sqrt_dose	rs3753658	2	1.51920053	0.004823	0.6302
EPHX1	sqrt_dose	rs2854451	2	3.61602469	0.011386	0.3331
EPHX1	sqrt_dose	rs2854450	2	1.01925999	0.003361	0.7374
EPHX1	sqrt_dose	rs2854447	2	3.52379575	0.011246	0.3513
EPHX1	sqrt_dose	rs2854461	2	1.19396464	0.004152	0.6820
EPHX1	sqrt_dose	rs6426089	2	1.11581491	0.003700	0.7176
EPHX1	sqrt_dose	rs4653436	2	14.39173813	0.045716	0.0112
F10	sqrt_dose	rs5960	2	6.35037606	0.020425	0.1561
F10	sqrt_dose	rs473598	2	5.20104655	0.017318	0.1987
F10	sqrt_dose	rs776897	3	1.00203458	0.003151	0.8918
F10	sqrt_dose	rs3211770	2	5.67837886	0.018390	0.1830
F10	sqrt_dose	rs2026160	2	1.35967122	0.004391	0.6583
F10	sqrt_dose	rs2251102	2	1.38966969	0.005767	0.6259
F10	sqrt_dose	rs3211764	2	1.13640148	0.003953	0.7127
F10	sqrt_dose	rs2480946	2	2.14668455	0.007028	0.5245
F10	sqrt_dose	rs693335	2	3.26463572	0.010845	0.3768
F10	sqrt_dose	rs483949	2	0.05387112	0.000172	0.9834
F10	sqrt_dose	rs485798	2	3.8564801	0.012714	0.3062
F10	sqrt_dose	rs776905	2	6.887572	0.022713	0.1154
F10	sqrt_dose	rs474810	2	1.99234813	0.006498	0.5418
F10	sqrt_dose	rs563964	2	5.25007401	0.018172	0.2182
F10	sqrt_dose	rs3093261	2	0.92468481	0.003094	0.7531
F2	sqrt_dose	rs3136516	2	3.15950427	0.009957	0.3807
F2	sqrt_dose	rs2282687	2	3.09432691	0.009811	0.3805
F2	sqrt_dose	rs5898	2	6.47376991	0.020450	0.1362
F2	sqrt_dose	rs3136460	2	3.23492237	0.010242	0.3703
F2	sqrt_dose	rs5896	2	3.9541219	0.012474	0.2923
F2	sqrt_dose	rs2070852	2	2.77038829	0.008807	0.4240
F2	sqrt_dose	rs2070851	2	7.85489576	0.024969	0.0861
F2	sqrt_dose	rs3136447	2	4.05724411	0.013567	0.2695
F2	sqrt_dose	rs3136435	2	1.09943287	0.003648	0.7197
F2	sqrt_dose	rs2070850	2	1.26385185	0.004935	0.6782
F5	sqrt_dose	rs2269648	2	2.05512126	0.006766	0.5283
F5	sqrt_dose	rs3753305	2	7.97046148	0.027668	0.0823
F5	sqrt_dose	rs6028	2	7.85436773	0.031331	0.0979
F5	sqrt_dose	rs9332504	2	4.17027663	0.013230	0.2729
F5	sqrt_dose	rs2298905	2	4.69192413	0.017056	0.2378

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
F5	sqrt_dose	rs2298908	2	2.43214908	0.007898	0.4689
F5	sqrt_dose	rs2236870	2	7.3019912	0.024851	0.1134
F5	sqrt_dose	rs3766121	2	5.3740322	0.019020	0.2031
F5	sqrt_dose	rs3766120	2	7.88491922	0.025221	0.0872
F5	sqrt_dose	rs3766119	2	5.42995615	0.017630	0.1912
F5	sqrt_dose	rs1894702	2	6.35339168	0.020392	0.1487
F5	sqrt_dose	rs6029	2	2.14920561	0.006851	0.5187
F5	sqrt_dose	rs6022	2	2.98118483	0.010302	0.3837
F5	sqrt_dose	rs6012	2	2.50070121	0.008016	0.4674
F5	sqrt_dose	rs3766117	2	2.13737838	0.007440	0.5242
F5	sqrt_dose	rs1894699	2	6.6566744	0.023726	0.1223
F5	sqrt_dose	rs6427198	2	0.48103783	0.001663	0.8768
F5	sqrt_dose	rs6033	2	2.64805427	0.009230	0.4321
F5	sqrt_dose	rs6035	1	3.06308747	0.010709	0.1645
F5	sqrt_dose	rs721161	2	1.47432244	0.004872	0.6506
F5	sqrt_dose	rs2298909	2	2.9580763	0.012419	0.3917
F5	sqrt_dose	rs6015	2	0.74013286	0.002647	0.7867
F5	sqrt_dose	rs6025	2	2.36196859	0.008299	0.4925
F5	sqrt_dose	rs6036	2	1.59299072	0.005260	0.6221
F5	sqrt_dose	rs3766110	2	0.07613453	0.000264	0.9774
F5	sqrt_dose	rs6037	2	1.52447597	0.004794	0.6244
F5	sqrt_dose	rs6024	2	4.39307473	0.014073	0.2602
F5	sqrt_dose	rs6021	2	0.11506032	0.000366	0.9653
F5	sqrt_dose	rs6018	2	3.20136968	0.010456	0.3703
F5	sqrt_dose	rs4525	3	0.48940891	0.001608	0.9621
F5	sqrt_dose	rs6032	2	0.71235853	0.002243	0.8025
F5	sqrt_dose	rs1557572	2	0.56456747	0.001889	0.8371
F5	sqrt_dose	rs9332618	2	2.15058365	0.006988	0.5173
F5	sqrt_dose	rs6030	2	2.33482087	0.007502	0.4909
F5	sqrt_dose	rs9332629	2	3.56616671	0.011254	0.3374
F5	sqrt_dose	rs2213867	2	0.67139079	0.002138	0.8125
F5	sqrt_dose	rs2213866	2	0.67784658	0.002158	0.8101
F5	sqrt_dose	rs2227244	2	0.4006878	0.001332	0.8828
F5	sqrt_dose	rs966751	2	4.3882834	0.013965	0.2629
F5	sqrt_dose	rs6027	2	3.85098202	0.012172	0.3067
F5	sqrt_dose	rs2187952	2	0.75695812	0.002432	0.7964
F7	sqrt_dose	rs2476324	2	2.6995095	0.008489	0.4318
F7	sqrt_dose	rs6046	2	3.39641793	0.011477	0.3559
F7	sqrt_dose	rs6041	2	2.07683276	0.006590	0.5318
F7	sqrt_dose	rs488703	2	1.05060222	0.003829	0.7176
F7	sqrt_dose	rs569557	2	2.63001583	0.008733	0.4601
F7	sqrt_dose	rs493833	2	3.94308895	0.012506	0.2969
F7	sqrt_dose	rs491098	2	3.08529256	0.013818	0.3522
F7	sqrt_dose	rs2774030	2	0.62712618	0.002011	0.8234

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
F7	sqrt_dose	rs3093233	2	7.48046198	0.023713	0.0975
F7	sqrt_dose	rs3093230	2	8.7830618	0.030734	0.0612
F7	sqrt_dose	rs3093229	2	6.00590373	0.019704	0.1495
F9	sqrt_dose	rs445691	2	4.33323409	0.013660	0.2670
F9	sqrt_dose	rs434447	2	5.36723351	0.018524	0.1790
F9	sqrt_dose	rs440051	2	4.69599288	0.015367	0.2406
F9	sqrt_dose	rs413536	2	1.5049353	0.005631	0.6101
F9	sqrt_dose	rs110583	2	4.58551641	0.014696	0.2432
F9	sqrt_dose	rs413957	2	4.81223104	0.015499	0.2232
F9	sqrt_dose	rs6048	2	1.70729075	0.005837	0.5887
F9	sqrt_dose	rs422187	2	2.47126951	0.008150	0.4577
F9	sqrt_dose	rs398101	2	8.23167632	0.026263	0.0787
F9	sqrt_dose	rs392959	2	6.5921089	0.020896	0.1303
F9	sqrt_dose	rs401597	2	4.77401881	0.016315	0.2257
GAS6	sqrt_dose	rs9577874	2	0.64898874	0.002122	0.8147
GAS6	sqrt_dose	rs9604573	2	5.97359097	0.020083	0.1595
GAS6	sqrt_dose	rs6602908	2	5.4636253	0.018707	0.1810
GAS6	sqrt_dose	rs7997328	2	1.53257493	0.005157	0.6230
NQO1	sqrt_dose	rs689456	2	0.74585143	0.002371	0.7981
NQO1	sqrt_dose	rs2917669	2	0.27004522	0.000850	0.9204
NQO1	sqrt_dose	rs2917671	2	9.33604926	0.033893	0.0449
NQO1	sqrt_dose	rs1437135	2	0.27144351	0.000991	0.9210
NQO1	sqrt_dose	rs689452	2	0.49152599	0.001554	0.8600
NQO1	sqrt_dose	rs689453	1	0.95199967	0.002994	0.4427
NQO1	sqrt_dose	GS30566	1	0.02355043	0.000077	0.9046
NQO1	sqrt_dose	rs7186002	2	1.87876248	0.006668	0.5458
NQO1	sqrt_dose	rs1800566	2	1.15462818	0.003956	0.7041
NR1I2	sqrt_dose	rs3814057	2	4.79721662	0.015974	0.2219
NR1I2	sqrt_dose	rs1054191	2	0.47055375	0.001612	0.8690
NR1I2	sqrt_dose	rs3732360	2	1.79003247	0.005677	0.5724
NR1I2	sqrt_dose	rs3732359	2	1.13984383	0.004065	0.6889
NR1I2	sqrt_dose	rs2472682	2	1.20981938	0.003853	0.6970
NR1I2	sqrt_dose	rs3732357	2	2.72386327	0.008779	0.4270
NR1I2	sqrt_dose	rs3732356	2	2.49281776	0.008162	0.4705
NR1I2	sqrt_dose	rs1464602	2	7.38256851	0.029139	0.0859
NR1I2	sqrt_dose	rs7643645	2	8.25811216	0.029896	0.0651
NR1I2	sqrt_dose	rs2461818_2	1	2.2592398	0.007593	0.2319
NR1I2	sqrt_dose	rs13059232	2	5.66180334	0.018302	0.1714
NR1I2	sqrt_dose	rs2461823	2	5.46074474	0.017966	0.1819
NR1I2	sqrt_dose	rs2472677	3	11.84315278	0.038942	0.0600
NR1I2	sqrt_dose	rs1403527	2	5.44189137	0.017167	0.1832
NR1I2	sqrt_dose	rs2056530	2	6.35766889	0.022425	0.1455
NR1I2	sqrt_dose	rs2472672	2	6.51952904	0.021041	0.1414
NR1I2	sqrt_dose	rs2276706	2	1.42072339	0.004549	0.6470

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
NR1I2	sqrt_dose	rs1523127	2	1.04100685	0.003496	0.7195
NR1I2	sqrt_dose	rs1523130	2	0.01721202	0.000071	0.9946
NR1I2	sqrt_dose	rs7643038	2	1.54672057	0.004874	0.6211
NR1I3	sqrt_dose	rs2501870	2	0.9777107	0.003115	0.7424
NR1I3	sqrt_dose	rs7530560	2	2.60794294	0.008500	0.4406
NR1I3	sqrt_dose	rs2502804	2	0.04854883	0.000197	0.9857
NR1I3	sqrt_dose	rs6686001	2	9.24025622	0.034324	0.0505
NR1I3	sqrt_dose	rs3003596	2	7.27653216	0.025301	0.1049
NR1I3	sqrt_dose	rs2307424	2	7.16041357	0.026913	0.0984
NR1I3	sqrt_dose	rs2307418	2	2.11046244	0.007206	0.5178
NR1I3	sqrt_dose	rs4073054	2	1.99576631	0.008628	0.5500
NR1I3	sqrt_dose	rs4233368	2	0.06198354	0.000202	0.9812
ORM1_2	sqrt_dose	GS30155	1	5.29876961	0.016916	0.0722
ORM1_2	sqrt_dose	GS30283	1	6.88921317	0.027913	0.0424
ORM1_2	sqrt_dose	rs1976193	2	2.27309693	0.007243	0.5013
ORM1_2	sqrt_dose	rs10982151	1	2.92141531	0.009794	0.1720
ORM1_2	sqrt_dose	rs17230081	2	1.00149348	0.003536	0.7244
ORM1_2	sqrt_dose	rs2787337	2	0.11797556	0.000381	0.9641
P4HB	sqrt_dose	rs1799919	2	1.0186033	0.010689	0.3650
P4HB	sqrt_dose	rs1130674	2	2.386251906	0.016979	0.0955
P4HB	sqrt_dose	rs2070871	2	1.363365296	0.009151	0.2588
P4HB	sqrt_dose	rs876017	2	0.850222584	0.005379	0.4292
P4HB	sqrt_dose	rs1533756	2	2.246947202	0.015043	0.1091
P4HB	sqrt_dose	rs1010954	2	0.236199594	0.001383	0.7899
PDIA2	sqrt_dose	rs432925	2	0.417196809	0.002488	0.6596
PDIA2	sqrt_dose	rs2685127	2	1.163145202	0.006771	0.3149
PDIA2	sqrt_dose	rs400037	2	3.594688734	0.020014	0.0295
PDIA3	sqrt_dose	rs10163054	2	2.029765709	0.011574	0.1344
PDIA3	sqrt_dose	rs8040336	2	0.118528655	0.000914	0.8883
PDIA3	sqrt_dose	rs11070411	2	1.326393811	0.009524	0.2687
PDIA3	sqrt_dose	rs7175032	2	0.29073609	0.001724	0.7481
PDIA4	sqrt_dose	rs10085877	2	0.356000694	0.002446	0.7010
PDIA4	sqrt_dose	rs4727005	2	0.377770767	0.002542	0.6860
PDIA4	sqrt_dose	rs10272564	2	0.249943669	0.001884	0.7792
PDIA4	sqrt_dose	rs10269104	2	0.59350858	0.004230	0.5536
PDIA4	sqrt_dose	rs6464929	2	0.17781333	0.001073	0.8373
PDIA4	sqrt_dose	rs1551927	2	1.120921255	0.007818	0.3286
PDIA4	sqrt_dose	rs6464930	2	0.210143256	0.001567	0.8107
PDIA5	sqrt_dose	rs1078982	2	0.675265617	0.005024	0.5106
PDIA5	sqrt_dose	rs3792366	2	1.730843606	0.010673	0.1804
PDIA5	sqrt_dose	rs4677875	2	1.547257543	0.009344	0.2159
PDIA5	sqrt_dose	rs702030	2	0.444883337	0.002561	0.6416
PDIA5	sqrt_dose	rs836832	2	0.026478749	0.000156	0.9739
PDIA5	sqrt_dose	rs1107377	2	0.228777877	0.002173	0.7959

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
PDIA6	sqrt_dose	rs1686482	2	0.915588433	0.005517	0.4025
PDIA6	sqrt_dose	rs1198873	2	0.160884135	0.001135	0.8515
PDIA6	sqrt_dose	rs11904084	2	0.196506662	0.001395	0.8218
PDIA6	sqrt_dose	rs1686447	2	0.002565505	0.000016	0.9974
PDIA6	sqrt_dose	rs1734343	2	1.045043314	0.006443	0.3540
PDIA6	sqrt_dose	rs1734346	2	0.003370188	0.000020	0.9966
PDIA6	sqrt_dose	rs12471762	2	0.202306932	0.001554	0.8171
PROC	sqrt_dose	rs2069933	2	6.67530579	0.021880	0.1292
PROC	sqrt_dose	rs2069928	2	1.51334871	0.004988	0.6234
PROC	sqrt_dose	rs2069924	2	9.12724682	0.029936	0.0566
PROC	sqrt_dose	rs1518759	2	5.45356618	0.017300	0.1872
PROC	sqrt_dose	rs5936	2	5.88092628	0.019460	0.1608
PROC	sqrt_dose	rs973760	2	8.63458813	0.034223	0.0606
PROC	sqrt_dose	rs2069921	2	8.49097097	0.027243	0.0715
PROC	sqrt_dose	rs2069919	2	25.08270504	0.087800	0.0003
PROC	sqrt_dose	rs2069916	2	5.51731365	0.017617	0.1832
PROC	sqrt_dose	rs2069915	2	2.77087859	0.011058	0.4018
PROC	sqrt_dose	rs2069910	2	12.46310896	0.043535	0.0208
PROC	sqrt_dose	rs1799809	2	23.30259318	0.076473	0.0007
PROC	sqrt_dose	rs2069901	2	21.05871589	0.072256	0.0015
PROS1	sqrt_dose	rs7650230	2	2.41868926	0.007853	0.4654
PROS1	sqrt_dose	rs8178592	2	2.10882456	0.006667	0.5244
PROS1	sqrt_dose	rs5013930	2	3.11374059	0.009866	0.3879
PROS1	sqrt_dose	rs8178607	2	1.82579137	0.005988	0.5720
PROS1	sqrt_dose	rs8178610	2	0.33182038	0.001483	0.9000
PROS1	sqrt_dose	rs4857343	2	5.67417705	0.018568	0.1800
PROS1	sqrt_dose	rs8178623	2	1.79217551	0.007749	0.5494
PROS1	sqrt_dose	rs4857037	2	4.37091662	0.015886	0.2733
PROS1	sqrt_dose	rs8178649	2	1.55418021	0.004975	0.6180
PROS1	sqrt_dose	rs9713061	2	5.51303856	0.018096	0.1701
PROS1	sqrt_dose	rs9683303	2	0.42690243	0.001536	0.8822
PROZ	sqrt_dose	rs3024764	2	6.17172611	0.021079	0.1502
PROZ	sqrt_dose	rs3024747	2	1.94735584	0.006543	0.5799
PROZ	sqrt_dose	rs3024746	2	3.45952522	0.010906	0.3471
PROZ	sqrt_dose	rs17881956	2	2.51456391	0.007991	0.4611
PROZ	sqrt_dose	rs3024743	2	0.26346762	0.000993	0.9227
PROZ	sqrt_dose	rs17886440	2	1.10691855	0.003494	0.7109
PROZ	sqrt_dose	rs3024731	2	1.2423885	0.003922	0.6817
PROZ	sqrt_dose	rs2480948	2	9.16254677	0.029121	0.0569
PROZ	sqrt_dose	rs513479	2	3.09517632	0.010371	0.3954
PROZ	sqrt_dose	rs3024718	2	5.29253882	0.017112	0.1907
PROZ	sqrt_dose	rs3024711	2	6.80337261	0.022537	0.1173
PROZ	sqrt_dose	rs2273971	2	0.36235782	0.001193	0.8933
PROZ	sqrt_dose	rs7335409	2	5.11718453	0.016475	0.2013

Gene	Dependent	SNP	DF	Type III SS	R-Square	P-value
SERPINC1	sqrt_dose	rs2227588	2	0.92574359	0.002969	0.7483
SERPINC1	sqrt_dose	rs2227590	2	0.90248567	0.002911	0.7636
SERPINC1	sqrt_dose	rs2227593	2	0.22973271	0.000753	0.9306
SERPINC1	sqrt_dose	rs2227594	2	0.71979859	0.002307	0.7993
SERPINC1	sqrt_dose	rs2227607	2	2.2559729	0.007204	0.4995
SERPINC1	sqrt_dose	rs5877	2	0.79834596	0.002685	0.7808
SERPINC1	sqrt_dose	rs5878	2	1.68534442	0.005485	0.5996
SERPINC1	sqrt_dose	rs2759328	2	5.17858637	0.016453	0.2000
SERPINC1	sqrt_dose	rs2146372	2	4.75156343	0.015065	0.2329
VKORC1LD	sqrt_dose	rs4889537	2	42.42121122	0.134033	<.0001
VKORC1LD	sqrt_dose	rs9923231	2	93.54772025	0.327232	<.0001
VKORC1LD	sqrt_dose	rs9934438	2	83.87566494	0.291960	<.0001
VKORC1LD	sqrt_dose	rs2359612	2	94.72991801	0.298437	<.0001
VKORC1LD	sqrt_dose	rs7294	2	64.80046481	0.209333	<.0001
VKORC1LD	sqrt_dose	rs8046978	2	16.12002303	0.050909	0.0065
VKORC1LD	sqrt_dose	rs4889599	2	37.47511211	0.123298	<.0001
VKORC1LD	sqrt_dose	rs11642603	1	6.73545886	0.021825	0.0414
VKORC1LD	sqrt_dose	rs4889630	2	5.18182141	0.016598	0.1989
VKORC1LD	sqrt_dose	rs7405035	2	10.29709659	0.036326	0.0385
VKORC1LD	sqrt_dose	rs4889490	2	50.90208213	0.162005	<.0001
VKORC1LD	sqrt_dose	rs11642466	1	6.29596653	0.020713	0.0453
VKORC1LD	sqrt_dose	rs7194347	2	10.77216988	0.035589	0.0303

APPENDIX III UNIVARIATE RESULT OF DOSE ASSOCIATION (WARG STUDY).

Gene	SNP	MAF	Patients	%	R ²	P-value
ABCB1	rs3842	0.137	1193	97.66%	0.00	9.47E-01
ABCB1	rs2235040	0.108	1284	96.98%	0.20	3.22E-01
ABCB1	rs4148737	0.453	1219	93.50%	0.10	6.99E-01
ABCB1	rs2235046	0.432	1279	95.85%	0.00	8.32E-01
ABCB1	rs2235033	0.493	1260	98.11%	0.00	7.47E-01
ABCB1	rs1922240	0.337	1275	90.48%	0.00	9.08E-01
ABCB1	rs955000	0.102	1238	93.58%	0.10	4.38E-01
ABCB1	rs10260862	0.195	1299	92.07%	0.10	5.97E-01
ABCB1	rs1202172	0.351	1269	95.17%	0.10	5.50E-01
ABCB1	rs9282564	0.132	1239	96.60%	0.10	6.60E-01
ABCB1	rs2214102	0.098	1283	96.30%	0.00	9.14E-01
ABCB1	rs2214101	0.064	1198	96.90%	0.10	6.55E-01
ABCB1	rs10267099	0.239	1293	90.11%	0.30	1.41E-01
APOE	rs429358	0.173	1261	95.24%	0.00	9.68E-01
APOE	rs7412	0.07	1225	92.52%	0.00	9.93E-01
CALU	rs230704	0.285	1294	97.21%	0.00	7.27E-01
CALU	rs339057	0.438	1297	97.96%	0.30	1.27E-01
CALU	rs2060717	0.062	1280	94.56%	0.00	7.62E-01
CALU	rs339054	0.468	1287	97.51%	0.40	9.03E-02
CALU	rs2290228	0.15	1244	84.14%	0.10	7.09E-01
CALU	rs2307040	0.36	1291	97.43%	0.20	2.38E-01
CALU	rs339098	0.356	1290	86.03%	0.20	3.51E-01
CALU	rs339095	0.473	1114	93.96%	0.20	2.62E-01
CALU	rs11653	0.391	1252	97.73%	0.30	1.81E-01
CALU	rs8597	0.07	1139	96.68%	0.10	5.01E-01
CYP1A1	rs1048943	0.026	1216	96.00%	0.00	2.14E-01
CYP1A1	rs4646421	0.081	1302	88.97%	0.10	6.75E-01
CYP1A1	rs2606345	0.317	1178	91.84%	0.30	1.83E-01
CYP1A1	rs2470893	0.342	1271	98.34%	0.70	1.49E-02
CYP1A2	rs2069522	0.032	1290	94.18%	0.00	9.85E-01
CYP1A2	rs762551	0.27	1247	96.30%	0.20	3.41E-01
CYP1A2	rs4646425	0.019	1238	93.50%	0.00	8.55E-01
CYP1A2	rs2470890	0.336	1275	97.43%	0.10	5.98E-01
CYP2C18	rs2901783	0.222	1289	97.36%	1.20	4.09E-04
CYP2C18	rs2860840	0.388	1223	92.37%	0.10	5.53E-01
CYP2C19	rs3814637	0.073	1284	96.98%	7.10	3.14E-21
CYP2C19	rs12248560	0.185	1298	98.04%	0.50	4.78E-02
CYP2C19	rs17878459	0.035	1295	96.83%	0.00	9.24E-01
CYP2C19	rs4244284	0.45	1277	96.45%	0.10	4.94E-01
CYP2C19	rs4244285	0.162	1282	99.17%	0.10	4.30E-01
CYP2C19	rs4417205	0.158	1313	97.81%	0.10	5.15E-01
CYP2C8	rs1058932	0.165	1264	94.86%	0.20	2.51E-01

Gene	SNP	MAF	Patients	%	R ²	P-value
CYP2C8	rs10509681	0.093	1147	86.63%	3.00	3.08E-08
CYP2C8	rs2275620	0.417	1204	90.94%	1.60	7.99E-05
CYP2C8	rs947173	0.295	1312	99.09%	0.90	3.23E-03
CYP2C8	rs1536430	0.022	1303	98.41%	0.40	1.84E-02
CYP2C8	rs1058930	0.059	1288	99.09%	0.00	8.95E-01
CYP2C8	rs11572080	0.1	1256	95.47%	4.10	3.16E-12
CYP2C8	rs17110453	0.147	1021	77.11%	0.10	5.24E-01
CYP2C8	rs1557044	0.139	1312	97.28%	0.40	7.85E-02
CYP2C9	rs1799853	0.114	1321	99.55%	4.10	1.34E-12
CYP2C9	rs2860905	0.214	1296	82.48%	7.40	3.05E-22
CYP2C9	rs2475376	0.152	1258	97.89%	1.00	1.38E-03
CYP2C9	rs4917639	0.209	1092	99.77%	11.70	4.61E-30
CYP2C9	rs1856908	0.433	1291	99.77%	2.90	6.71E-09
CYP2C9	rs9332197	0.073	1280	97.51%	0.20	3.21E-01
CYP2C9	rs1057910	0.071	1321	95.02%	6.30	1.82E-19
CYP2C9	cyp2c9s2s3	n/a	1318	96.68%	11.80	6.63E-34
CYP3A4	GS30681	0.069	1309	98.11%	0.10	4.70E-01
CYP3A4	rs4986910	0.008	1299	93.88%	0.40	1.85E-02
CYP3A4	rs2242480	0.087	1243	92.22%	0.20	3.68E-01
CYP3A4	rs11773597	0.066	1221	98.87%	0.10	4.33E-01
CYP3A5	rs4646457	0.076	1276	98.11%	0.30	1.32E-01
CYP3A5	rs6976017	0.054	1302	97.89%	0.30	1.13E-01
CYP3A5	rs28365083	0.01	1293	98.34%	0.10	2.60E-01
CYP3A5	rs28365094	0.122	1299	96.37%	0.40	5.82E-02
CYP3A5	rs4646453	0.018	1307	97.66%	0.00	4.54E-01
CYP3A5	rs776746	0.073	1296	98.72%	0.40	9.65E-02
EPHX1	rs4653436	0.309	1207	97.05%	0.10	4.25E-01
EPHX1	rs6426089	0.496	1288	97.28%	0.50	3.59E-02
EPHX1	rs2854461	0.328	1284	96.98%	0.30	1.79E-01
EPHX1	rs3753660	0.144	1292	91.77%	0.20	3.36E-01
EPHX1	rs3753661	0.069	1309	95.92%	0.00	8.82E-01
EPHX1	rs2671272	0.21	1272	97.58%	0.10	6.76E-01
EPHX1	rs2671270	0.254	1270	96.83%	0.20	2.94E-01
EPHX1	rs3817268	0.274	1285	91.16%	0.80	6.47E-03
EPHX1	rs1051740	0.294	1215	98.87%	0.20	2.77E-01
EPHX1	rs2292566	0.132	1282	96.60%	0.10	4.20E-01
EPHX1	rs2260863	0.3	1280	95.39%	0.00	8.60E-01
EPHX1	rs2740170	0.201	1291	96.07%	0.00	7.80E-01
EPHX1	rs4149223	0.468	1279	81.95%	0.10	5.77E-01
EPHX1	rs2234922	0.213	1299	97.51%	0.00	9.16E-01
EPHX1	rs2292567	0.101	1085	95.24%	0.10	7.21E-01
EPHX1	rs1051741	0.103	1261	96.68%	0.00	8.51E-01
EPHX1	rs3753663	0.047	1309	98.87%	0.10	4.76E-01
EPHX1	rs2102663	0.157	1263	98.11%	0.10	6.01E-01

Gene	SNP	MAF	Patients	%	R ²	P-value
F10	rs3093261	0.427	1273	88.14%	0.30	1.52E-01
F10	rs3212998	0.064	1266	96.15%	0.00	8.93E-01
F10	rs776905	0.103	1272	94.26%	0.00	7.74E-01
F10	rs693335	0.405	1220	97.43%	0.10	5.86E-01
F10	rs3211764	0.465	1290	90.03%	0.20	2.28E-01
F10	rs2251102	0.192	1167	96.30%	0.50	4.82E-02
F10	rs2026160	0.3	1192	92.15%	0.20	2.31E-01
F10	rs753057	0.052	1297	97.96%	0.10	6.92E-01
F10	rs3213005	0.043	1275	96.07%	0.10	5.61E-01
F10	rs5960	0.135	1248	95.62%	0.20	2.11E-01
F2	rs3136435	0.071	1271	98.56%	0.20	3.40E-01
F2	rs2070851	0.22	1280	96.68%	0.20	3.14E-01
F2	rs2070852	0.301	1297	96.00%	0.00	8.46E-01
F2	rs5898	0.092	1305	98.87%	0.50	5.17E-02
F2	rs2282687	0.131	1309	97.96%	0.00	7.48E-01
F2	rs3136516	0.449	1273	96.15%	0.00	8.63E-01
F5	rs9332618	0.133	1269	99.09%	0.10	4.03E-01
F5	rs4656687	0.321	1293	96.07%	0.00	7.48E-01
F5	rs1557572	0.315	1295	99.09%	0.00	8.13E-01
F5	rs6018	0.058	1133	95.85%	0.00	8.05E-01
F5	rs6037	0.068	1298	91.01%	0.00	8.09E-01
F5	rs3766110	0.229	1289	96.75%	0.10	5.33E-01
F5	rs6025	0.066	1312	91.01%	0.30	1.42E-01
F5	rs2298909	0.303	1205	97.21%	0.10	5.26E-01
F5	rs721161	0.387	1206	97.36%	0.00	7.48E-01
F5	rs6035	0.076	1281	82.55%	0.10	4.87E-01
F5	rs6427198	0.478	1205	97.66%	0.10	4.44E-01
F5	rs1894699	0.49	1279	91.09%	0.00	8.65E-01
F5	rs6029	0.164	1312	85.57%	0.10	4.01E-01
F5	rs2298905	0.301	1093	98.04%	0.10	5.81E-01
F5	rs9332504	0.074	1272	97.81%	0.20	3.50E-01
F5	rs3753305	0.441	1287	96.60%	0.10	5.27E-01
F7	rs3093229	0.24	1205	80.29%	0.00	9.34E-01
F7	rs3093230	0.254	1298	98.34%	0.10	6.97E-01
F7	rs2774030	0.371	1299	98.04%	0.00	7.98E-01
F7	rs6041	0.101	1063	98.11%	0.40	9.56E-02
F7	rs6046	0.103	1302	91.01%	0.10	4.01E-01
F9	rs3817939	0.02	1219	93.43%	0.10	5.85E-01
F9	rs401597	0.283	1273	96.15%	0.30	1.72E-01
F9	rs6048	0.282	1237	95.32%	0.40	7.55E-02
F9	rs413536	0.2	1262	92.07%	0.20	2.19E-01
GAS6	rs7997328	0.287	1256	94.86%	0.30	2.04E-01
GAS6	rs6602908	0.395	1238	93.50%	0.10	6.23E-01
GAS6	rs9577874	0.408	1227	92.67%	0.10	7.14E-01

Gene	SNP	MAF	Patients	%	R ²	P-value
GGCX	rs2028898	0.275	1294	94.56%	0.10	5.00E-01
GGCX	rs7568458	0.451	1252	97.73%	0.10	4.97E-01
NQO1	rs1800566	0.17	1284	96.98%	0.20	2.86E-01
NQO1	rs689453	0.077	1290	97.43%	0.20	3.11E-01
NQO1	rs2917671	0.116	1315	99.32%	0.00	9.06E-01
NR1I2	rs2276706	0.401	1283	96.90%	0.40	9.34E-02
NR1I2	rs2056530	0.191	1266	97.58%	0.10	4.37E-01
NR1I2	rs2472677	0.399	1210	93.35%	0.10	6.77E-01
NR1I2	rs2461818	0.096	1193	96.83%	0.10	7.03E-01
NR1I2	rs7643645	0.352	1292	95.62%	0.30	1.65E-01
NR1I2	rs12721607	0.028	1282	96.22%	0.00	8.03E-01
NR1I2	rs1464602	0.392	1274	97.05%	0.10	4.93E-01
NR1I2	rs3732356	0.067	1236	98.11%	0.30	2.07E-01
NR1I2	rs3732357	0.34	1285	95.69%	0.10	6.30E-01
NR1I2	rs2472682	0.385	1274	91.39%	0.00	8.22E-01
NR1I2	rs3732359	0.261	1282	90.11%	0.10	4.02E-01
NR1I2	rs1054191	0.153	1299	96.83%	0.10	6.45E-01
NR1I2	rs3814057	0.199	1267	96.22%	0.10	6.74E-01
NR1I3	rs4233368	0.263	1245	94.03%	0.30	1.39E-01
NR1I3	rs4073054	0.362	1277	88.97%	0.10	4.60E-01
NR1I3	rs2307418	0.161	1257	96.45%	0.00	9.94E-01
NR1I3	rs2307420	0.023	1236	93.96%	0.00	8.50E-01
NR1I3	rs2307424	0.357	1178	93.35%	0.20	3.14E-01
NR1I3	rs3003596	0.445	1244	93.96%	0.00	8.96E-01
NR1I3	rs6686001	0.135	1244	94.94%	0.00	7.46E-01
ORM1	rs2787337	0.311	1227	92.67%	0.70	1.08E-02
ORM1	rs10982151	0.136	1279	96.60%	0.50	5.18E-02
ORM1	rs1687390	0.044	1310	98.94%	0.00	9.14E-01
ORM2	rs17230081	0.199	1269	95.85%	0.00	8.84E-01
P4HB	rs1799919	0.207399	1235	94.79%	0.00	5.55E-01
P4HB	rs1130674	0.204665	1233	93.13%	0.00	4.96E-01
P4HB	rs2070871	0.200445	1255	93.50%	0.00	4.81E-01
P4HB	rs876017	0.209328	1238	94.64%	0.00	5.01E-01
P4HB	rs1533756	0.399257	1253	93.28%	0.00	5.23E-01
P4HB	rs1010954	0.206231	1252	94.56%	0.00	5.93E-01
PDIA2	rs2685127	0.140483	1216	92.75%	0.00	8.37E-01
PDIA2	rs400037	0.242857	1228	91.84%	0.00	1.72E-01
PDIA3	rs10163054	0.0697227	1196	92.67%	0.00	4.90E-01
PDIA3	rs8040336	0.444694	1248	94.34%	0.00	8.80E-01
PDIA3	rs11070411	0.164399	1227	90.33%	0.00	4.24E-02
PDIA3	rs7175032	0.0754647	1249	94.26%	0.00	3.82E-01
PDIA4	rs10085877	0.195167	1252	94.56%	0.00	4.27E-01
PDIA4	rs4727005	0.203786	1254	94.18%	0.00	6.61E-01
PDIA4	rs10272564	0.202399	1241	93.50%	0.00	6.34E-01

Gene	SNP	MAF	Patients	%	R ²	P-value
PDIA4	rs10269104	0.190656	1231	92.98%	0.00	5.13E-01
PDIA4	rs6464929	0.202612	1238	93.73%	0.00	4.92E-01
PDIA4	rs1551927	0.14158	1247	94.71%	0.00	4.46E-01
PDIA4	rs6464930	0.186003	1232	93.05%	0.00	9.02E-01
PDIA5	rs1078982	0.222802	1249	93.73%	0.00	3.97E-01
PDIA5	rs3792366	0.372175	1166	92.37%	0.00	6.87E-01
PDIA5	rs4677875	0.371201	1211	94.34%	0.00	5.62E-01
PDIA5	rs702030	0.180859	1224	91.47%	0.00	8.44E-01
PDIA5	rs836832	0.185575	1223	88.07%	0.00	9.93E-02
PDIA5	rs1107377	0.495519	1241	92.45%	0.00	2.46E-02
PDIA6	rs1686482	0.495061	1201	91.54%	0.00	3.92E-01
PDIA6	rs1198873	0.39368	1252	90.71%	0.00	5.39E-01
PDIA6	rs11904084	0.388554	1230	89.12%	0.00	6.91E-01
PDIA6	rs1686447	0.395833	1180	94.56%	0.00	5.17E-01
PDIA6	rs1734343	0.495427	1212	92.75%	0.00	3.45E-01
PDIA6	rs1734346	0.394275	1207	92.90%	0.00	7.18E-01
PDIA6	rs12471762	0.168055	1228	91.16%	0.00	5.55E-01
PROC	rs2069901	0.435	1309	97.73%	0.10	6.21E-01
PROC	rs1799809	0.438	1244	98.11%	0.00	9.53E-01
PROC	rs2069910	0.425	1277	97.51%	0.00	7.33E-01
PROC	rs2069919	0.373	1294	98.87%	0.20	2.07E-01
PROC	rs5936	0.276	1291	96.45%	0.10	3.95E-01
PROC	rs2069928	0.18	1313	99.17%	0.00	7.69E-01
PROC	rs2069933	0.279	1299	93.96%	0.20	2.59E-01
PROS1	rs9683303	0.353	1223	91.99%	0.60	3.26E-02
PROS1	rs8178633	0.05	1218	92.37%	0.80	7.03E-03
PROS1	rs4857037	0.076	1256	94.18%	0.00	8.58E-01
PROS1	rs4857343	0.142	1265	95.54%	0.10	6.20E-01
PROS1	rs8178610	0.496	1240	94.86%	0.00	9.18E-01
PROS1	rs8178607	0.244	1222	92.30%	0.00	8.65E-01
PROS1	rs5013930	0.122	1247	93.66%	0.30	1.74E-01
PROZ	rs2273971	0.062	1290	97.43%	0.20	2.91E-01
PROZ	rs3024718	0.175	1300	95.54%	0.10	7.16E-01
PROZ	rs2480948	0.204	1299	98.19%	0.00	8.19E-01
PROZ	rs3024746	0.206	1265	98.11%	0.10	5.68E-01
SERPINC1	rs2759328	0.092	1313	98.41%	0.10	3.79E-01
SERPINC1	rs5878	0.3	1306	99.17%	0.10	3.83E-01
SERPINC1	rs2227607	0.101	1306	98.64%	0.10	4.40E-01
SERPINC1	rs2227590	0.099	1303	98.64%	0.40	6.01E-02
VKORC1	rs11150606	0.027	1309	97.58%	1.30	2.55E-05
VKORC1	rs7294	0.393	1294	97.66%	12.30	1.21E-37
VKORC1	rs2359612	0.394	1292	97.73%	29.80	9.82E-100
VKORC1	rs9923231	0.393	1293	98.87%	29.30	1.03E-97

APPENDIX IV TREND TEST RESULT IN BLEEDING (ALL BLEEDERS).

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs2502804	TREND	8_74	638_2094	6.437	1	1.1E-02
1	rs3753661	TREND	12_84	192_2756	5.266	1	2.2E-02
1	rs4653436	TREND	18_68	836_1902	3.574	1	5.9E-02
1	rs2307418	TREND	9_83	474_2434	2.816	1	9.3E-02
1	rs2227590	TREND	5_89	299_2631	2.445	1	1.2E-01
1	rs2854461	TREND	37_57	945_1967	2.107	1	1.5E-01
1	rs2260863	TREND	22_72	880_2026	2.002	1	1.6E-01
1	rs3753305	TREND	48_46	1279_1615	1.787	1	1.8E-01
1	rs2307424	TREND	26_64	955_1723	1.778	1	1.8E-01
1	rs1894699	TREND	40_54	1422_1466	1.689	1	1.9E-01
1	rs4656687	TREND	24_68	908_1890	1.632	1	2.0E-01
1	rs6025	TREND	3_89	182_2700	1.438	1	2.3E-01
1	rs3817268	TREND	19_69	791_2147	1.262	1	2.6E-01
1	rs2307420	TREND	4_90	70_2800	1.231	1	2.7E-01
1	rs6037	TREND	4_92	205_2719	1.182	1	2.8E-01
1	rs3003596	TREND	45_47	1237_1597	0.9863	1	3.2E-01
1	rs2671272	TREND	24_70	623_2289	0.9364	1	3.3E-01
1	rs2102663	TREND	11_77	468_2444	0.8253	1	3.6E-01
1	rs4149223	TREND	36_50	1359_1541	0.8171	1	3.7E-01
1	rs5878	TREND	25_71	884_2058	0.7048	1	4.0E-01
1	rs3753660	TREND	11_85	424_2514	0.6808	1	4.1E-01
1	rs6426089	TREND	48_42	1440_1488	0.6203	1	4.3E-01
1	rs4233368	TREND	27_65	745_2139	0.5841	1	4.4E-01
1	rs2740170	TREND	17_77	605_2331	0.3463	1	5.6E-01
1	rs1557572	TREND	28_68	939_2007	0.3139	1	5.8E-01
1	rs2671270	TREND	22_72	748_2164	0.2624	1	6.1E-01
1	rs2292566	TREND	10_78	384_2534	0.2403	1	6.2E-01
1	rs3766110	TREND	23_69	658_2226	0.2392	1	6.2E-01
1	rs6427198	TREND	40_48	1295_1411	0.1884	1	6.6E-01
1	rs9332618	TREND	14_80	398_2536	0.1399	1	7.1E-01
1	rs2227607	TREND	10_84	280_2656	0.1257	1	7.2E-01
1	rs3753663	TREND	4_92	145_2817	0.1045	1	7.5E-01
1	rs6035	TREND	6_86	213_2675	0.09738	1	7.6E-01
1	rs2759328	TREND	10_86	282_2674	0.08451	1	7.7E-01
1	rs2234922	TREND	18_72	606_2294	0.04526	1	8.3E-01
1	rs4073054	TREND	33_55	1047_1825	0.03997	1	8.4E-01
1	rs6029	TREND	16_76	492_2462	0.03568	1	8.5E-01
1	rs1051740	TREND	27_63	804_1948	0.02582	1	8.7E-01
1	rs2298909	TREND	26_62	807_1865	0.01684	1	9.0E-01
1	rs9332504	TREND	7_87	205_2669	0.01403	1	9.1E-01
1	rs6686001	TREND	11_73	385_2485	0.007153	1	9.3E-01
1	rs721161	TREND	37_59	1055_1699	0.002096	1	9.6E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs1051741	TREND	10_80	327_2585	0.001093	1	9.7E-01
2	rs2069933	TREND	16_74	827_2103	4.7	1	3.0E-02
2	rs5936	TREND	19_75	810_2102	2.587	1	1.1E-01
2	rs7568458	TREND	48_44	1307_1601	1.934	1	1.6E-01
2	rs2069928	TREND	13_81	533_2413	1.16	1	2.8E-01
2	rs2069910	TREND	42_50	1209_1661	0.4354	1	5.1E-01
2	rs2028898	TREND	28_64	827_2123	0.2614	1	6.1E-01
2	rs2069919	TREND	37_57	1098_1834	0.1382	1	7.1E-01
2	rs2069901	TREND	43_53	1280_1662	0.06353	1	8.0E-01
2	rs1799809	TREND	41_51	1271_1623	0.01503	1	9.0E-01
2	rs1686482	TREND	35_59	1422_1402	5.843	1	1.6E-02
2	rs12471762	TREND	8_88	459_2349	4.234	1	4.0E-02
2	rs1734343	TREND	40_62	1404_1430	3.994	1	4.6E-02
2	rs1198873	TREND	49_55	1137_1767	2.51	1	1.1E-01
2	rs11904084	TREND	49_57	1115_1755	2.162	1	1.4E-01
2	rs1686447	TREND	48_56	1109_1695	1.686	1	1.9E-01
2	rs1734346	TREND	47_55	1116_1716	1.681	1	1.9E-01
3	rs2472677	TREND	46_46	1102_1654	3.559	1	5.9E-02
3	rs2056530	TREND	11_85	555_2347	3.527	1	6.0E-02
3	rs8178633	TREND	1_83	141_2629	2.683	1	1.0E-01
3	rs4857037	TREND	3_85	219_2619	2.246	1	1.3E-01
3	rs2276706	TREND	31_63	1166_1766	1.831	1	1.8E-01
3	rs12721607	TREND	1_93	77_2799	0.8593	1	3.5E-01
3	rs4857343	TREND	16_74	424_2512	0.7104	1	4.0E-01
3	rs8178610	TREND	32_40	1392_1418	0.6898	1	4.1E-01
3	rs9683303	TREND	26_58	985_1823	0.601	1	4.4E-01
3	rs3732357	TREND	29_65	994_1930	0.3962	1	5.3E-01
3	rs1054191	TREND	16_78	446_2494	0.2458	1	6.2E-01
3	rs2472682	TREND	39_57	1110_1792	0.2245	1	6.4E-01
3	rs7643645	TREND	34_56	1039_1891	0.2004	1	6.5E-01
3	rs2461818	TREND	8_86	265_2471	0.1407	1	7.1E-01
3	rs5013930	TREND	13_83	354_2488	0.09422	1	7.6E-01
3	rs1464602	TREND	34_56	1132_1754	0.07756	1	7.8E-01
3	rs3814057	TREND	19_73	568_2314	0.04673	1	8.3E-01
3	rs3732359	TREND	20_60	762_2194	0.02358	1	8.8E-01
3	rs3732356	TREND	7_89	201_2619	0.003564	1	9.5E-01
3	rs8178607	TREND	22_68	680_2134	0.003569	1	9.5E-01
3	rs1107377	TREND	55_39	1401_1447	2.985	1	8.4E-02
3	rs702030	TREND	13_93	520_2342	2.396	1	1.2E-01
3	rs3792366	TREND	30_68	1027_1743	1.58	1	2.1E-01
3	rs4677875	TREND	32_72	1043_1789	1.49	1	2.2E-01
3	rs1078982	TREND	20_84	643_2251	0.509	1	4.8E-01
3	rs836832	TREND	20_86	523_2353	0.03056	1	8.6E-01
7	rs2214102	TREND	14_70	287_2613	3.955	1	4.7E-02

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
7	rs2235040	TREND	5_91	307_2617	2.894	1	8.9E-02
7	rs10260862	TREND	11_79	563_2361	2.809	1	9.4E-02
7	rs2060717	TREND	2_92	188_2766	2.734	1	9.8E-02
7	rs28365094	TREND	16_80	353_2571	1.749	1	1.9E-01
7	rs2242480	TREND	5_89	260_2626	1.455	1	2.3E-01
7	rs2290228	TREND	10_84	428_2416	1.393	1	2.4E-01
7	rs1922240	TREND	36_56	989_1949	1.159	1	2.8E-01
7	rs9282564	TREND	8_74	389_2477	0.9251	1	3.4E-01
7	rs11653	TREND	31_59	1115_1719	0.8928	1	3.4E-01
7	rs11773597	TREND	4_88	190_2594	0.8738	1	3.5E-01
7	rs4148737	TREND	48_48	1255_1525	0.8321	1	3.6E-01
7	rs28365083	TREND	0_60	28_2692	0.6303	1	4.3E-01
7	rs10267099	TREND	19_73	693_2239	0.4282	1	5.1E-01
7	GS30681	TREND	5_91	202_2740	0.3985	1	5.3E-01
7	rs4646453	TREND	2_76	52_2900	0.2848	1	5.9E-01
7	rs339098	TREND	31_63	1030_1868	0.2661	1	6.1E-01
7	rs3842	TREND	15_81	377_2357	0.2561	1	6.1E-01
7	rs6976017	TREND	4_90	160_2774	0.2533	1	6.1E-01
7	rs776746	TREND	6_88	221_2703	0.1835	1	6.7E-01
7	rs1202172	TREND	32_64	1026_1912	0.09854	1	7.5E-01
7	rs339057	TREND	43_51	1297_1639	0.09834	1	7.5E-01
7	rs955000	TREND	9_85	301_2575	0.07531	1	7.8E-01
7	rs339054	TREND	44_52	1367_1541	0.05268	1	8.2E-01
7	rs4646457	TREND	8_86	230_2682	0.04788	1	8.3E-01
7	rs2235046	TREND	42_52	1267_1633	0.03467	1	8.5E-01
7	rs2214101	TREND	5_79	175_2571	0.02564	1	8.7E-01
7	rs2307040	TREND	34_62	1055_1887	0.008183	1	9.3E-01
7	rs2235033	TREND	45_47	1416_1494	0.002128	1	9.6E-01
7	rs10085877	TREND	33_73	565_2341	8.983	1	2.7E-03
7	rs4727005	TREND	34_72	592_2318	8.697	1	3.2E-03
7	rs10272564	TREND	32_68	581_2299	8.274	1	4.0E-03
7	rs10269104	TREND	32_74	549_2321	7.983	1	4.7E-03
7	rs6464929	TREND	31_69	579_2303	7.081	1	7.8E-03
7	rs6464930	TREND	27_71	526_2346	5.276	1	2.2E-02
7	rs1551927	TREND	20_86	415_2485	1.721	1	1.9E-01
9	rs1687390	TREND	7_77	130_2768	2.896	1	8.9E-02
9	rs17230081	TREND	13_79	581_2339	1.832	1	1.8E-01
9	rs2787337	TREND	23_69	871_1921	1.639	1	2.0E-01
9	rs10982151	TREND	13_81	387_2521	0.02192	1	8.8E-01
10	rs1536430	TREND	4_48	61_2651	6.534	1	1.1E-02
10	rs1557044	TREND	20_76	409_2543	3.768	1	5.2E-02
10	rs947173	TREND	21_75	872_2076	2.679	1	1.0E-01
10	rs11572080	TREND	5_89	282_2560	2.187	1	1.4E-01
10	rs2860905	TREND	15_81	641_2299	2.127	1	1.4E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
10	rs1799853	TREND	7_89	346_2620	1.726	1	1.9E-01
10	rs2475376	TREND	19_77	448_2476	1.347	1	2.5E-01
10	rs2860840	TREND	32_60	1096_1692	0.787	1	3.8E-01
10	rs4244285	TREND	11_79	449_2411	0.7655	1	3.8E-01
10	rs1856908	TREND	46_50	1277_1663	0.7458	1	3.9E-01
10	rs9332197	TREND	5_83	223_2703	0.4334	1	5.1E-01
10	rs17878459	TREND	2_92	92_2812	0.3354	1	5.6E-01
10	rs2901783	TREND	19_73	649_2277	0.1159	1	7.3E-01
10	rs4417205	TREND	14_82	454_2478	0.05555	1	8.1E-01
10	rs1058932	TREND	15_81	472_2394	0.04548	1	8.3E-01
10	rs1058930	TREND	5_89	166_2722	0.03018	1	8.6E-01
10	rs12248560	TREND	17_79	538_2394	0.02572	1	8.7E-01
10	rs1057910	TREND	7_89	207_2759	0.01363	1	9.1E-01
10	rs3814637	TREND	7_87	206_2678	0.01225	1	9.1E-01
10	rs2275620	TREND	37_51	1156_1564	0.006972	1	9.3E-01
10	rs4244284	TREND	41_51	1273_1603	0.003275	1	9.5E-01
11	rs2282687	TREND	5_91	375_2573	4.709	1	3.0E-02
11	rs5898	TREND	15_81	269_2669	4.424	1	3.5E-02
11	rs3136516	TREND	48_44	1267_1623	2.471	1	1.2E-01
11	rs2070852	TREND	27_67	880_2080	0.04374	1	8.3E-01
11	rs2070851	TREND	21_73	625_2279	0.03426	1	8.5E-01
11	rs3136435	TREND	7_87	210_2728	0.01223	1	9.1E-01
13	rs6046	TREND	5_91	310_2610	2.835	1	9.2E-02
13	rs5960	TREND	17_75	385_2513	2.055	1	1.5E-01
13	rs3212998	TREND	9_85	180_2744	1.875	1	1.7E-01
13	rs3093230	TREND	14_68	683_2235	1.814	1	1.8E-01
13	rs2480948	TREND	24_72	585_2361	1.542	1	2.1E-01
13	rs776905	TREND	6_82	314_2626	1.338	1	2.5E-01
13	rs2774030	TREND	31_65	1101_1835	1.107	1	2.9E-01
13	rs3213005	TREND	6_88	124_2782	0.95	1	3.3E-01
13	rs3024746	TREND	15_77	595_2341	0.8507	1	3.6E-01
13	rs3093261	TREND	44_48	1246_1650	0.8435	1	3.6E-01
13	rs7997328	TREND	30_64	813_2051	0.5543	1	4.6E-01
13	rs3211764	TREND	36_48	1351_1555	0.4364	1	5.1E-01
13	rs2026160	TREND	25_67	833_1905	0.4158	1	5.2E-01
13	rs753057	TREND	4_92	158_2786	0.2631	1	6.1E-01
13	rs693335	TREND	34_46	1108_1658	0.1989	1	6.6E-01
13	rs9577874	TREND	35_57	1127_1681	0.1759	1	6.8E-01
13	rs3093229	TREND	23_69	663_2139	0.08732	1	7.7E-01
13	rs6602908	TREND	35_53	1101_1723	0.02283	1	8.8E-01
13	rs2273971	TREND	6_88	179_2759	0.0132	1	9.1E-01
13	rs3024718	TREND	16_80	502_2442	0.009844	1	9.2E-01
14	rs230704	TREND	26_70	847_2083	0.1488	1	7.0E-01
15	rs1048943	TREND	4_86	70_2700	1.172	1	2.8E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
15	rs2470890	TREND	28_64	969_1923	0.3787	1	5.4E-01
15	rs4646425	TREND	1_93	53_2775	0.3356	1	5.6E-01
15	rs762551	TREND	22_68	764_2058	0.308	1	5.8E-01
15	rs2470893	TREND	34_60	986_1918	0.1934	1	6.6E-01
15	rs2606345	TREND	27_63	868_1834	0.175	1	6.8E-01
15	rs4646421	TREND	8_88	240_2708	0.004477	1	9.5E-01
15	rs2069522	TREND	3_93	89_2847	0.002861	1	9.6E-01
15	rs11070411	TREND	20_80	439_2407	1.559	1	2.1E-01
15	rs7175032	TREND	5_99	218_2676	1.086	1	3.0E-01
15	rs10163054	TREND	5_95	203_2613	0.6927	1	4.1E-01
15	rs8040336	TREND	46_58	1275_1607	3.58E-06	1	1.0E+00
16	rs9923231	TREND	28_58	1153_1755	1.778	1	1.8E-01
16	rs2917671	TREND	26_60	1004_1726	1.531	1	2.2E-01
16	rs11150606	TREND	4_92	84_2858	0.5722	1	4.5E-01
16	rs2359612	TREND	34_60	1149_1749	0.4605	1	5.0E-01
16	rs1800566	TREND	17_75	485_2371	0.1418	1	7.1E-01
16	rs689453	TREND	7_89	232_2676	0.06061	1	8.1E-01
16	rs7294	TREND	37_55	1146_1776	0.03684	1	8.5E-01
16	rs2685127	TREND	17_89	405_2455	0.2967	1	5.9E-01
16	rs400037	TREND	27_79	696_2174	0.08015	1	7.8E-01
17	rs1799919	TREND	29_57	599_2189	7.393	1	6.5E-03
17	rs1533756	TREND	31_75	1165_1739	5.128	1	2.4E-02
17	rs876017	TREND	30_74	605_2289	3.781	1	5.2E-02
17	rs1010954	TREND	30_76	599_2311	3.714	1	5.4E-02
17	rs1130674	TREND	29_77	588_2282	2.936	1	8.7E-02
17	rs2070871	TREND	28_78	583_2327	2.576	1	1.1E-01
19	rs7412	TREND	8_86	193_2609	0.3449	1	5.6E-01
19	rs429358	TREND	17_77	509_2373	0.01136	1	9.2E-01
X	rs413536	TREND	13_79	586_2282	1.367	1	2.4E-01
X	rs3817939	TREND	1_95	53_2739	0.2287	1	6.3E-01
X	rs401597	TREND	24_66	843_2073	0.1316	1	7.2E-01
X	rs6048	TREND	27_65	813_2025	0.01298	1	9.1E-01

APPENDIX V TREND TEST RESULT IN BLEEDING (UPPSALA BLEEDERS).

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs2502804	TREND	1_35	598_1932	6.59	1	1.03E-02
1	rs2759328	TREND	9_35	262_2452	5.811	1	1.59E-02
1	rs4653436	TREND	5_33	773_1725	5.434	1	1.98E-02
1	rs3753305	TREND	26_16	1185_1485	5.318	1	2.11E-02
1	rs2307420	TREND	3_41	61_2567	3.716	1	5.39E-02
1	rs2854461	TREND	20_24	867_1809	3.555	1	5.94E-02
1	rs1894699	TREND	15_27	1298_1362	2.92	1	8.75E-02
1	rs3817268	TREND	7_37	737_1959	2.89	1	8.91E-02
1	rs2292566	TREND	2_34	359_2353	1.811	1	1.78E-01
1	rs3753663	TREND	4_40	128_2592	1.779	1	1.82E-01
1	rs6686001	TREND	2_32	363_2295	1.751	1	1.86E-01
1	rs2260863	TREND	9_33	826_1898	1.522	1	2.17E-01
1	rs3753661	TREND	5_39	180_2526	1.518	1	2.18E-01
1	rs2234922	TREND	5_33	564_2120	1.474	1	2.25E-01
1	rs2307424	TREND	12_32	883_1575	1.418	1	2.34E-01
1	rs2307418	TREND	4_38	436_2238	1.398	1	2.37E-01
1	rs4656687	TREND	10_32	863_1797	1.391	1	2.38E-01
1	rs6426089	TREND	23_17	1331_1373	1.09	1	2.97E-01
1	rs1557572	TREND	11_33	857_1847	0.895	1	3.44E-01
1	rs5878	TREND	16_28	822_1884	0.7291	1	3.93E-01
1	rs6029	TREND	5_37	449_2265	0.6587	1	4.17E-01
1	rs3003596	TREND	21_21	1152_1454	0.5587	1	4.55E-01
1	rs4233368	TREND	13_29	696_1952	0.4686	1	4.94E-01
1	rs9332504	TREND	2_42	187_2447	0.4545	1	5.00E-01
1	rs2671272	TREND	11_33	565_2117	0.4089	1	5.23E-01
1	rs4149223	TREND	15_21	1260_1450	0.3291	1	5.66E-01
1	rs6037	TREND	2_42	179_2503	0.3203	1	5.72E-01
1	rs2298909	TREND	10_28	756_1732	0.284	1	5.94E-01
1	rs9332618	TREND	7_37	363_2337	0.2297	1	6.32E-01
1	rs6025	TREND	2_40	173_2487	0.2114	1	6.46E-01
1	rs3766110	TREND	8_32	615_2055	0.2037	1	6.52E-01
1	rs2102663	TREND	5_31	434_2244	0.1411	1	7.07E-01
1	rs2671270	TREND	12_32	680_1994	0.08093	1	7.76E-01
1	rs721161	TREND	16_28	970_1552	0.07925	1	7.78E-01
1	rs4073054	TREND	13_25	977_1709	0.07482	1	7.84E-01
1	rs6427198	TREND	21_21	1207_1291	0.04531	1	8.31E-01
1	rs2740170	TREND	9_33	545_2157	0.04008	1	8.41E-01
1	rs2227590	TREND	4_38	275_2421	0.02088	1	8.85E-01
1	rs3753660	TREND	6_38	387_2313	0.01726	1	8.96E-01
1	rs1051740	TREND	11_27	746_1796	0.002906	1	9.57E-01
1	rs2227607	TREND	4_38	262_2434	0.00175	1	9.67E-01
1	rs1051741	TREND	4_36	273_2411	0.00131	1	9.71E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs6035	TREND	3_37	197_2461	0.000456	1	9.83E-01
2	rs2069933	TREND	8_32	760_1930	1.328	1	2.49E-01
2	rs2069928	TREND	5_37	489_2221	1.11	1	2.92E-01
2	rs7568458	TREND	23_21	1194_1472	0.9993	1	3.18E-01
2	rs5936	TREND	9_33	743_1927	0.8396	1	3.60E-01
2	rs2069910	TREND	21_23	1133_1521	0.4276	1	5.13E-01
2	rs2069901	TREND	21_23	1176_1536	0.3417	1	5.59E-01
2	rs1799809	TREND	20_22	1163_1495	0.2465	1	6.20E-01
2	rs2028898	TREND	11_31	745_1965	0.03586	1	8.50E-01
2	rs2069919	TREND	16_26	1004_1700	0.01583	1	9.00E-01
2	rs12471762	TREND	5_39	441_2149	0.9696	1	3.25E-01
2	rs1686482	TREND	24_20	1268_1314	0.4751	1	4.91E-01
2	rs1734343	TREND	23_27	1283_1289	0.2791	1	5.97E-01
2	rs1198873	TREND	19_33	1029_1609	0.123	1	7.26E-01
2	rs1734346	TREND	20_32	1006_1564	0.009112	1	9.24E-01
2	rs1686447	TREND	21_33	999_1543	0.003446	1	9.53E-01
2	rs11904084	TREND	21_33	1004_1600	0.002282	1	9.62E-01
3	rs4857037	TREND	0_38	201_2429	3.126	1	7.70E-02
3	rs2472677	TREND	21_19	1007_1519	2.511	1	1.13E-01
3	rs8178633	TREND	0_34	135_2457	1.911	1	1.67E-01
3	rs1054191	TREND	4_38	410_2304	1.028	1	3.11E-01
3	rs2056530	TREND	6_38	517_2177	0.8682	1	3.51E-01
3	rs3814057	TREND	11_33	523_2127	0.705	1	4.01E-01
3	rs7643645	TREND	11_27	955_1743	0.6727	1	4.12E-01
3	rs9683303	TREND	10_24	919_1669	0.5358	1	4.64E-01
3	rs5013930	TREND	4_40	321_2283	0.401	1	5.27E-01
3	rs2461818	TREND	3_41	241_2259	0.3822	1	5.36E-01
3	rs8178607	TREND	8_32	624_1964	0.3458	1	5.57E-01
3	rs2276706	TREND	15_27	1072_1620	0.3044	1	5.81E-01
3	rs1464602	TREND	14_26	1049_1633	0.2823	1	5.95E-01
3	rs2472682	TREND	18_26	1012_1656	0.1654	1	6.84E-01
3	rs8178610	TREND	10_12	1308_1324	0.149	1	7.00E-01
3	rs3732357	TREND	14_30	911_1773	0.08567	1	7.70E-01
3	rs12721607	TREND	1_41	75_2585	0.02696	1	8.70E-01
3	rs3732359	TREND	7_21	702_2020	0.008655	1	9.26E-01
3	rs3732356	TREND	3_41	175_2415	0.000247	1	9.88E-01
3	rs4857343	TREND	6_36	387_2313	7.02E-05	1	9.93E-01
3	rs1107377	TREND	28_14	1300_1326	4.654	1	3.10E-02
3	rs4677875	TREND	13_39	958_1622	3.045	1	8.10E-02
3	rs3792366	TREND	12_36	937_1579	2.817	1	9.33E-02
3	rs702030	TREND	5_49	472_2130	2.787	1	9.51E-02
3	rs1078982	TREND	11_43	589_2045	0.1204	1	7.29E-01
3	rs836832	TREND	9_45	483_2127	0.1134	1	7.36E-01
7	rs2290228	TREND	2_40	389_2215	3.377	1	6.61E-02

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
7	rs10260862	TREND	4_34	535_2171	2.047	1	1.53E-01
7	rs28365094	TREND	8_36	324_2360	1.445	1	2.29E-01
7	rs2060717	TREND	1_43	174_2548	1.204	1	2.73E-01
7	rs339054	TREND	24_20	1261_1411	0.9556	1	3.28E-01
7	rs10267099	TREND	8_36	645_2053	0.7599	1	3.83E-01
7	rs3842	TREND	8_36	340_2162	0.747	1	3.87E-01
7	rs955000	TREND	3_41	272_2362	0.5649	1	4.52E-01
7	rs4646453	TREND	1_25	51_2671	0.5504	1	4.58E-01
7	rs11773597	TREND	4_38	170_2372	0.5283	1	4.67E-01
7	rs9282564	TREND	3_29	358_2282	0.4412	1	5.07E-01
7	rs2214102	TREND	4_28	264_2462	0.2789	1	5.97E-01
7	rs2242480	TREND	3_41	239_2407	0.2456	1	6.20E-01
7	rs2214101	TREND	3_33	161_2343	0.2256	1	6.35E-01
7	rs1202172	TREND	14_30	947_1749	0.1988	1	6.56E-01
7	rs11653	TREND	16_28	1021_1575	0.1615	1	6.88E-01
7	rs4646457	TREND	4_38	214_2502	0.1578	1	6.91E-01
7	rs2235040	TREND	4_40	293_2389	0.1561	1	6.93E-01
7	rs2307040	TREND	17_27	970_1730	0.1419	1	7.06E-01
7	rs28365083	TREND	0_10	27_2627	0.1038	1	7.47E-01
7	rs2235046	TREND	20_24	1162_1512	0.06756	1	7.95E-01
7	rs6976017	TREND	2_40	149_2549	0.04542	1	8.31E-01
7	rs1922240	TREND	14_26	910_1804	0.03713	1	8.47E-01
7	rs2235033	TREND	19_21	1313_1369	0.03105	1	8.60E-01
7	rs339057	TREND	19_25	1188_1506	0.01597	1	8.99E-01
7	rs776746	TREND	3_39	205_2485	0.0137	1	9.07E-01
7	rs339098	TREND	16_28	954_1726	0.01134	1	9.15E-01
7	rs4148737	TREND	20_24	1151_1407	0.003484	1	9.53E-01
7	GS30681	TREND	3_41	189_2519	0.001707	1	9.67E-01
7	rs10269104	TREND	17_37	491_2111	5.482	1	1.92E-02
7	rs4727005	TREND	17_37	532_2110	4.317	1	3.77E-02
7	rs10085877	TREND	16_38	508_2130	3.756	1	5.26E-02
7	rs10272564	TREND	14_34	522_2094	2.524	1	1.12E-01
7	rs6464929	TREND	14_34	526_2102	2.491	1	1.15E-01
7	rs6464930	TREND	12_34	482_2138	1.769	1	1.84E-01
7	rs1551927	TREND	8_46	368_2264	0.03095	1	8.60E-01
9	rs1687390	TREND	4_28	122_2584	4.834	1	2.79E-02
9	rs17230081	TREND	5_35	541_2155	1.372	1	2.42E-01
9	rs2787337	TREND	12_30	802_1754	0.1565	1	6.92E-01
9	rs10982151	TREND	6_38	361_2313	0.000698	1	9.79E-01
10	rs1557044	TREND	10_34	382_2328	2.656	1	1.03E-01
10	rs1058930	TREND	0_44	144_2502	2.488	1	1.15E-01
10	rs2475376	TREND	10_34	413_2271	1.684	1	1.94E-01
10	rs3814637	TREND	1_43	190_2452	1.564	1	2.11E-01
10	rs1057910	TREND	1_43	192_2532	1.501	1	2.21E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
10	rs17878459	TREND	0_44	83_2579	1.462	1	2.27E-01
10	rs9332197	TREND	1_35	203_2509	1.073	1	3.00E-01
10	rs2860905	TREND	7_37	588_2116	0.8823	1	3.48E-01
10	rs12248560	TREND	6_38	500_2206	0.6843	1	4.08E-01
10	rs4244284	TREND	16_26	1174_1472	0.6544	1	4.19E-01
10	rs947173	TREND	11_33	801_1911	0.4356	1	5.09E-01
10	rs1856908	TREND	21_23	1173_1525	0.3126	1	5.76E-01
10	rs4244285	TREND	5_33	423_2225	0.2148	1	6.43E-01
10	rs1058932	TREND	6_38	428_2200	0.2142	1	6.44E-01
10	rs4417205	TREND	8_36	424_2286	0.2048	1	6.51E-01
10	rs1799853	TREND	6_38	319_2405	0.1519	1	6.97E-01
10	rs2275620	TREND	17_25	1051_1439	0.04944	1	8.24E-01
10	rs11572080	TREND	4_40	263_2339	0.04908	1	8.25E-01
10	rs2901783	TREND	9_33	595_2107	0.008186	1	9.28E-01
10	rs2860840	TREND	17_27	1002_1558	0.004778	1	9.45E-01
10	rs1536430	TREND	0_0	61_2651	NA	NA	NA
11	rs2282687	TREND	2_42	354_2354	2.742	1	9.77E-02
11	rs2070852	TREND	10_32	818_1900	0.7735	1	3.79E-01
11	rs2070851	TREND	7_35	579_2083	0.597	1	4.40E-01
11	rs3136516	TREND	22_22	1178_1474	0.5315	1	4.66E-01
11	rs5898	TREND	5_39	243_2455	0.2829	1	5.95E-01
11	rs3136435	TREND	3_39	196_2506	0.000752	1	9.78E-01
13	rs3093230	TREND	0_30	683_2013	10.49	1	1.20E-03
13	rs3093261	TREND	25_19	1150_1520	3.336	1	6.78E-02
13	rs2273971	TREND	0_42	167_2533	2.7	1	1.00E-01
13	rs3213005	TREND	4_40	116_2554	2.217	1	1.37E-01
13	rs3024718	TREND	4_40	465_2241	2.025	1	1.55E-01
13	rs3024746	TREND	6_38	552_2146	1.22	1	2.69E-01
13	rs7997328	TREND	16_28	761_1871	1.161	1	2.81E-01
13	rs776905	TREND	2_34	285_2415	0.9463	1	3.31E-01
13	rs9577874	TREND	15_29	1047_1521	0.8483	1	3.57E-01
13	rs2774030	TREND	15_29	1003_1693	0.1837	1	6.68E-01
13	rs3212998	TREND	2_40	171_2521	0.182	1	6.70E-01
13	rs693335	TREND	12_20	1023_1521	0.1006	1	7.51E-01
13	rs2480948	TREND	8_36	542_2162	0.09427	1	7.59E-01
13	rs6046	TREND	4_40	279_2407	0.07688	1	7.82E-01
13	rs3211764	TREND	16_20	1258_1444	0.06444	1	8.00E-01
13	rs753057	TREND	2_42	146_2556	0.06339	1	8.01E-01
13	rs5960	TREND	6_36	353_2307	0.03694	1	8.48E-01
13	rs2026160	TREND	13_31	757_1745	0.00964	1	9.22E-01
13	rs6602908	TREND	16_24	1029_1561	0.001235	1	9.72E-01
13	rs3093229	TREND	10_32	606_1958	0.000688	1	9.79E-01
14	rs230704	TREND	17_27	762_1926	2.201	1	1.38E-01
15	rs2470893	TREND	19_25	914_1760	1.507	1	2.20E-01

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
15	rs2069522	TREND	0_44	82_2612	1.425	1	2.33E-01
15	rs2470890	TREND	11_33	884_1766	1.348	1	2.46E-01
15	rs1048943	TREND	0_40	64_2468	0.9685	1	3.25E-01
15	rs762551	TREND	9_35	696_1884	0.9356	1	3.33E-01
15	rs4646425	TREND	0_44	47_2539	0.8293	1	3.63E-01
15	rs4646421	TREND	2_42	222_2490	0.7474	1	3.87E-01
15	rs2606345	TREND	13_31	782_1678	0.09722	1	7.55E-01
15	rs11070411	TREND	6_42	421_2173	0.4963	1	4.81E-01
15	rs7175032	TREND	3_49	201_2437	0.251	1	6.16E-01
15	rs8040336	TREND	22_30	1166_1458	0.09405	1	7.59E-01
15	rs10163054	TREND	4_50	180_2370	0.009616	1	9.22E-01
16	rs11150606	TREND	3_41	75_2633	2.584	1	1.08E-01
16	rs2917671	TREND	10_30	910_1590	2.204	1	1.38E-01
16	rs9923231	TREND	11_25	1060_1622	1.211	1	2.71E-01
16	rs2359612	TREND	16_28	1049_1609	0.1744	1	6.76E-01
16	rs689453	TREND	3_41	214_2452	0.08646	1	7.69E-01
16	rs7294	TREND	15_25	1059_1625	0.06251	1	8.03E-01
16	rs1800566	TREND	7_35	449_2187	0.003973	1	9.50E-01
16	rs2685127	TREND	10_44	365_2231	0.8631	1	3.53E-01
16	rs400037	TREND	13_41	632_1976	0.000701	1	9.79E-01
17	rs1799919	TREND	15_19	541_2083	11.16	1	8.35E-04
17	rs876017	TREND	15_37	546_2082	1.986	1	1.59E-01
17	rs1130674	TREND	15_39	530_2076	1.788	1	1.81E-01
17	rs1010954	TREND	15_39	541_2103	1.726	1	1.89E-01
17	rs1533756	TREND	17_37	1060_1578	1.687	1	1.94E-01
17	rs2070871	TREND	14_40	526_2116	1.185	1	2.76E-01
19	rs429358	TREND	10_34	464_2176	0.8016	1	3.71E-01
19	rs7412	TREND	4_38	180_2396	0.378	1	5.39E-01
X	rs413536	TREND	3_37	531_2111	2.455	1	1.17E-01
X	rs401597	TREND	10_32	757_1927	0.2442	1	6.21E-01
X	rs6048	TREND	14_30	738_1870	0.161	1	6.88E-01
X	rs3817939	TREND	1_43	51_2499	0.01019	1	9.20E-01

APPENDIX VI TREND TEST RESULT IN BLEEDING (WARG BLEEDERS).

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs5878	TREND	9_43	822_1884	4.114	1	0.04253
1	rs2227590	TREND	1_51	275_2421	3.896	1	0.04841
1	rs3753661	TREND	7_45	180_2526	3.715	1	0.05393
1	rs2759328	TREND	1_51	262_2452	3.589	1	0.05816
1	rs3753663	TREND	0_52	128_2592	2.482	1	0.1151
1	rs6025	TREND	1_49	173_2487	1.69	1	0.1936
1	rs2307418	TREND	5_45	436_2238	1.436	1	0.2308
1	rs2502804	TREND	7_39	598_1932	1.364	1	0.2429
1	rs6029	TREND	11_39	449_2265	1.072	1	0.3005
1	rs3766110	TREND	15_37	615_2055	0.9644	1	0.3261
1	rs3753660	TREND	5_47	387_2313	0.9404	1	0.3322
1	rs6427198	TREND	19_27	1207_1291	0.8588	1	0.3541
1	rs2102663	TREND	6_46	434_2244	0.8241	1	0.364
1	rs2671270	TREND	10_40	680_1994	0.8005	1	0.3709
1	rs6686001	TREND	9_41	363_2295	0.7888	1	0.3745
1	rs2671272	TREND	13_37	565_2117	0.7295	1	0.393
1	rs2740170	TREND	8_44	545_2157	0.7168	1	0.3972
1	rs2260863	TREND	13_39	826_1898	0.6691	1	0.4134
1	rs6037	TREND	2_50	179_2503	0.6677	1	0.4138
1	rs9332504	TREND	5_45	187_2447	0.6497	1	0.4202
1	rs2307424	TREND	14_32	883_1575	0.5952	1	0.4404
1	rs2234922	TREND	13_39	564_2120	0.5163	1	0.4724
1	rs4656687	TREND	14_36	863_1797	0.4382	1	0.508
1	rs4149223	TREND	21_29	1260_1450	0.3956	1	0.5294
1	rs4653436	TREND	13_35	773_1725	0.3212	1	0.5709
1	rs3003596	TREND	24_26	1152_1454	0.2831	1	0.5947
1	rs4073054	TREND	20_30	977_1709	0.2749	1	0.6001
1	rs6035	TREND	3_49	197_2461	0.2043	1	0.6513
1	rs2292566	TREND	8_44	359_2353	0.2022	1	0.653
1	rs2227607	TREND	6_46	262_2434	0.1891	1	0.6637
1	rs1051741	TREND	6_44	273_2411	0.1885	1	0.6642
1	rs3753305	TREND	22_30	1185_1485	0.09183	1	0.7619
1	rs721161	TREND	21_31	970_1552	0.07798	1	0.78
1	rs4233368	TREND	14_36	696_1952	0.07551	1	0.7835
1	rs2854461	TREND	17_33	867_1809	0.06094	1	0.805
1	rs2298909	TREND	16_34	756_1732	0.05868	1	0.8086
1	rs1051740	TREND	16_36	746_1796	0.05042	1	0.8223
1	rs1557572	TREND	17_35	857_1847	0.02346	1	0.8783
1	rs2307420	TREND	1_49	61_2567	0.02217	1	0.8816
1	rs9332618	TREND	7_43	363_2337	0.01334	1	0.9081
1	rs6426089	TREND	25_25	1331_1373	0.01194	1	0.913
1	rs1894699	TREND	25_27	1298_1362	0.01083	1	0.9171

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
1	rs3817268	TREND	12_32	737_1959	9.09E-05	1	0.9924
2	rs2069933	TREND	8_42	760_1930	3.675	1	0.05524
2	rs5936	TREND	10_42	743_1927	1.878	1	0.1706
2	rs2028898	TREND	17_33	745_1965	1.065	1	0.3022
2	rs7568458	TREND	25_23	1194_1472	1.045	1	0.3066
2	rs2069928	TREND	8_44	489_2221	0.2568	1	0.6123
2	rs2069919	TREND	21_31	1004_1700	0.2221	1	0.6375
2	rs1799809	TREND	21_29	1163_1495	0.06012	1	0.8063
2	rs2069901	TREND	22_30	1176_1536	0.02338	1	0.8785
2	rs2069910	TREND	21_27	1133_1521	0.02067	1	0.8857
2	rs1686482	TREND	35_15	1268_1314	7.881	1	4.99E-03
2	rs1198873	TREND	30_22	1029_1609	7.01	1	8.10E-03
2	rs1734343	TREND	17_35	1283_1289	5.647	1	1.75E-02
2	rs11904084	TREND	28_24	1004_1600	4.601	1	3.20E-02
2	rs12471762	TREND	3_49	441_2149	4.555	1	3.28E-02
2	rs1734346	TREND	27_23	1006_1564	4.12	1	4.24E-02
2	rs1686447	TREND	27_23	999_1543	4.053	1	4.41E-02
3	rs2056530	TREND	5_47	517_2177	3.033	1	0.08161
3	rs1054191	TREND	12_40	410_2304	2.552	1	0.1101
3	rs2276706	TREND	16_36	1072_1620	1.829	1	0.1763
3	rs7643645	TREND	23_29	955_1743	1.715	1	0.1903
3	rs4857343	TREND	10_38	387_2313	1.479	1	0.224
3	rs12721607	TREND	0_52	75_2585	1.395	1	0.2376
3	rs2472677	TREND	25_27	1007_1519	1.372	1	0.2415
3	rs5013930	TREND	9_43	321_2283	1.098	1	0.2948
3	rs8178633	TREND	1_49	135_2457	1.059	1	0.3035
3	rs8178610	TREND	22_28	1308_1324	0.6144	1	0.4331
3	rs8178607	TREND	14_36	624_1964	0.3857	1	0.5346
3	rs3732357	TREND	15_35	911_1773	0.337	1	0.5616
3	rs3814057	TREND	8_40	523_2127	0.2651	1	0.6066
3	rs9683303	TREND	16_34	919_1669	0.2604	1	0.6098
3	rs4857037	TREND	3_47	201_2429	0.1878	1	0.6648
3	rs2472682	TREND	21_31	1012_1656	0.1338	1	0.7146
3	rs3732356	TREND	4_48	175_2415	0.06669	1	0.7962
3	rs1464602	TREND	20_30	1049_1633	0.01654	1	0.8977
3	rs3732359	TREND	13_39	702_2020	0.0161	1	0.899
3	rs2461818	TREND	5_45	241_2259	0.007027	1	0.9332
3	rs1078982	TREND	9_41	589_2045	0.5358	1	4.64E-01
3	rs702030	TREND	8_44	472_2130	0.2591	1	6.11E-01
3	rs836832	TREND	11_41	483_2127	0.2252	1	6.35E-01
3	rs1107377	TREND	27_25	1300_1326	0.1134	1	7.36E-01
3	rs3792366	TREND	18_32	937_1579	0.03011	1	8.62E-01
3	rs4677875	TREND	19_33	958_1622	0.00727	1	9.32E-01
7	rs2214102	TREND	10_42	264_2462	5.047	1	0.02467

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
7	rs2235040	TREND	1_51	293_2389	4.471	1	0.03448
7	rs11773597	TREND	0_50	170_2372	3.559	1	0.05921
7	rs1922240	TREND	22_30	910_1804	1.705	1	0.1917
7	rs339054	TREND	20_32	1261_1411	1.581	1	0.2087
7	rs2060717	TREND	1_49	174_2548	1.555	1	0.2125
7	rs4148737	TREND	28_24	1151_1407	1.519	1	0.2178
7	rs2242480	TREND	2_48	239_2407	1.445	1	0.2294
7	rs10260862	TREND	7_45	535_2171	1.3	1	0.2543
7	rs11653	TREND	15_31	1021_1575	0.8596	1	0.3538
7	GS30681	TREND	2_50	189_2519	0.7656	1	0.3816
7	rs339098	TREND	15_35	954_1726	0.6802	1	0.4095
7	rs28365094	TREND	8_44	324_2360	0.5016	1	0.4788
7	rs9282564	TREND	5_45	358_2282	0.4965	1	0.481
7	rs2214101	TREND	2_46	161_2343	0.4269	1	0.5135
7	rs339057	TREND	24_26	1188_1506	0.3259	1	0.5681
7	rs6976017	TREND	2_50	149_2549	0.273	1	0.6013
7	rs776746	TREND	3_49	205_2485	0.2545	1	0.6139
7	rs2307040	TREND	17_35	970_1730	0.2372	1	0.6263
7	rs955000	TREND	6_44	272_2362	0.1438	1	0.7045
7	rs10267099	TREND	11_37	645_2053	0.02476	1	0.875
7	rs2235033	TREND	26_26	1313_1369	0.02067	1	0.8857
7	rs2290228	TREND	8_44	389_2215	0.008011	1	0.9287
7	rs2235046	TREND	22_28	1162_1512	0.005657	1	0.94
7	rs1202172	TREND	18_34	947_1749	0.005598	1	0.9404
7	rs4646457	TREND	4_48	214_2502	0.002522	1	0.9599
7	rs4646453	TREND	1_51	51_2671	0.000692	1	0.979
7	rs3842	TREND	7_45	340_2162	0.000686	1	0.9791
7	rs10272564	TREND	18_34	522_2094	6.778	1	9.23E-03
7	rs10085877	TREND	17_35	508_2130	5.98	1	1.45E-02
7	rs6464929	TREND	17_35	526_2102	5.096	1	2.40E-02
7	rs4727005	TREND	17_35	532_2110	5.023	1	2.50E-02
7	rs6464930	TREND	15_37	482_2138	3.663	1	5.56E-02
7	rs1551927	TREND	12_40	368_2264	3.49	1	6.17E-02
7	rs10269104	TREND	15_37	491_2111	3.292	1	6.96E-02
9	rs2787337	TREND	11_39	802_1754	2.059	1	0.1513
9	rs17230081	TREND	8_44	541_2155	0.6775	1	0.4105
9	rs1687390	TREND	3_49	122_2584	0.1968	1	0.6574
9	rs10982151	TREND	7_43	361_2313	0.01061	1	0.918
10	rs1536430	TREND	4_48	61_2651	6.534	1	0.01058
10	rs1799853	TREND	1_51	319_2405	4.708	1	0.03002
10	rs11572080	TREND	1_49	263_2339	3.572	1	0.05877
10	rs947173	TREND	10_42	801_1911	2.641	1	0.1042
10	rs1058930	TREND	5_45	144_2502	1.928	1	0.1649
10	rs3814637	TREND	6_44	190_2452	1.647	1	0.1994

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
10	rs1057910	TREND	6_46	192_2532	1.521	1	0.2175
10	rs2860840	TREND	15_33	1002_1558	1.28	1	0.2579
10	rs2860905	TREND	8_44	588_2116	1.236	1	0.2662
10	rs1557044	TREND	10_42	382_2328	1.103	1	0.2935
10	rs4244285	TREND	6_46	423_2225	0.7309	1	0.3926
10	rs4417205	TREND	6_46	424_2286	0.6389	1	0.4241
10	rs4244284	TREND	25_25	1174_1472	0.6238	1	0.4296
10	rs1856908	TREND	25_27	1173_1525	0.4314	1	0.5113
10	rs12248560	TREND	11_41	500_2206	0.2437	1	0.6216
10	rs2475376	TREND	9_43	413_2271	0.1362	1	0.7121
10	rs17878459	TREND	2_48	83_2579	0.13	1	0.7185
10	rs2901783	TREND	10_40	595_2107	0.1133	1	0.7364
10	rs1058932	TREND	9_43	428_2200	0.03728	1	0.8469
10	rs2275620	TREND	20_26	1051_1439	0.02891	1	0.865
10	rs9332197	TREND	4_48	203_2509	0.002964	1	0.9566
11	rs5898	TREND	10_42	243_2455	6.202	1	0.01276
11	rs2282687	TREND	3_49	354_2354	2.372	1	0.1235
11	rs3136516	TREND	26_22	1178_1474	1.757	1	0.185
11	rs2070851	TREND	14_38	579_2083	0.756	1	0.3846
11	rs2070852	TREND	17_35	818_1900	0.1616	1	0.6877
11	rs3136435	TREND	4_48	196_2506	0.01445	1	0.9043
13	rs3212998	TREND	7_45	171_2521	4.397	1	0.036
13	rs6046	TREND	1_51	279_2407	3.898	1	0.04836
13	rs2480948	TREND	16_36	542_2162	3.675	1	0.05522
13	rs5960	TREND	11_39	353_2307	3.205	1	0.07341
13	rs2273971	TREND	6_46	167_2533	2.435	1	0.1187
13	rs3024718	TREND	12_40	465_2241	1.253	1	0.263
13	rs2774030	TREND	16_36	1003_1693	0.9281	1	0.3353
13	rs693335	TREND	22_26	1023_1521	0.6448	1	0.422
13	rs2026160	TREND	12_36	757_1745	0.5728	1	0.4492
13	rs3211764	TREND	20_28	1258_1444	0.4576	1	0.4988
13	rs776905	TREND	4_48	285_2415	0.4456	1	0.5044
13	rs753057	TREND	2_50	146_2556	0.2467	1	0.6194
13	rs3093261	TREND	19_29	1150_1520	0.2357	1	0.6273
13	rs3093229	TREND	13_37	606_1958	0.1507	1	0.6979
13	rs3024746	TREND	9_39	552_2146	0.08378	1	0.7722
13	rs3093230	TREND	14_38	683_2013	0.0709	1	0.79
13	rs7997328	TREND	14_36	761_1871	0.01999	1	0.8876
13	rs9577874	TREND	20_28	1047_1521	0.0168	1	0.8969
13	rs3213005	TREND	2_48	116_2554	0.01346	1	0.9076
13	rs6602908	TREND	19_29	1029_1561	0.000437	1	0.9833
14	rs230704	TREND	9_43	762_1926	3.004	1	0.08304
15	rs1048943	TREND	4_46	64_2468	5.235	1	0.02213
15	rs2069522	TREND	3_49	82_2612	1.305	1	0.2533

CHR	SNP	TEST	AFF	UNAFF	CHISQ	DF	P-value
15	rs4646421	TREND	6_46	222_2490	0.7394	1	0.3899
15	rs2470893	TREND	15_35	914_1760	0.3702	1	0.5429
15	rs2470890	TREND	17_31	884_1766	0.08903	1	0.7654
15	rs762551	TREND	13_33	696_1884	0.03777	1	0.8459
15	rs2606345	TREND	14_32	782_1678	0.03688	1	0.8477
15	rs4646425	TREND	1_49	47_2539	0.009313	1	0.9231
15	rs11070411	TREND	14_38	421_2173	4.333	1	3.74E-02
15	rs10163054	TREND	1_45	180_2370	1.63	1	2.02E-01
15	rs7175032	TREND	2_50	201_2437	1.048	1	3.06E-01
15	rs8040336	TREND	24_28	1166_1458	0.06104	1	8.05E-01
16	rs9923231	TREND	17_33	1060_1622	0.6353	1	0.4254
16	rs1800566	TREND	10_40	449_2187	0.3068	1	0.5797
16	rs2359612	TREND	18_32	1049_1609	0.247	1	0.6192
16	rs7294	TREND	22_30	1059_1625	0.1707	1	0.6795
16	rs11150606	TREND	1_51	75_2633	0.1367	1	0.7116
16	rs2917671	TREND	16_30	910_1590	0.05061	1	0.822
16	rs689453	TREND	4_48	214_2452	0.007803	1	0.9296
16	rs400037	TREND	14_38	632_1976	0.1931	1	6.60E-01
16	rs2685127	TREND	7_45	365_2231	0.01514	1	9.02E-01
17	rs1533756	TREND	14_38	1060_1578	3.777	1	5.20E-02
17	rs1010954	TREND	15_37	541_2103	2.193	1	1.39E-01
17	rs876017	TREND	15_37	546_2082	1.995	1	1.58E-01
17	rs2070871	TREND	14_38	526_2116	1.559	1	2.12E-01
17	rs1130674	TREND	14_38	530_2076	1.356	1	2.44E-01
17	rs1799919	TREND	14_38	541_2083	1.231	1	2.67E-01
19	rs429358	TREND	7_43	464_2176	0.4394	1	0.5074
19	rs7412	TREND	4_48	180_2396	0.03611	1	0.8493
X	rs3817939	TREND	0_52	51_2499	0.6548	1	0.4184
X	rs6048	TREND	13_35	738_1870	0.02082	1	0.8853
X	rs413536	TREND	10_42	531_2111	0.01495	1	0.9027
X	rs401597	TREND	14_34	757_1927	0.01329	1	0.9082

APPENDIX VII SEQUENCE VARIANTS IDENTIFIED WITH EXON RE-SEQUENCING.

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
rs769452	APOE	C T	19	50102950		0.01	NON_SYNONYMOUS_CODING
rs429358	APOE	C T	19	50103781	0.16	0.12	NON_SYNONYMOUS_CODING
NT_011109.15_17677924	APOE	C T	19	50101546	0.01		INTRONIC
NT_011109.15_17680755	APOE	T C	19	50104377	0.01		REGULATORY_REGION
NT_007933.14_53593466	CALU	A G	7	128197126	0.01	0.01	3PRIME_UTR
NT_007933.14_53594540	CALU	G A	7	128198200		0.01	3PRIME_UTR
NT_007933.14_53591356	CALU	C T	7	128195016	0.01	0.01	INTRONIC
NT_007933.14_53563005	CALU	G T	7	128166665		0.01	5PRIME_UTR
NT_007933.14_53563186	CALU	A G	7	128166846		0.02	INTRONIC
NT_007933.13_53564648	CALU	T A	7	128175735		0.02	INTRONIC
NT_007933.13_53576255	CALU	T G	7	128187342		0.02	INTRONIC
NT_007933.14_53593458	CALU	T C	7	128197118		0.02	3PRIME_UTR
NT_007933.14_53571635	CALU	G A	7	128175295	0.01	0.04	INTRONIC
NT_007933.14_53578384	CALU	T C	7	128182044	0.01	0.05	INTRONIC
rs2290228	CALU	A G	7	128175884	0.05	0.09	NON_SYNONYMOUS_CODING
rs8597	CALU	T C	7	128198658	0.16	0.11	3PRIME_UTR
rs1043595	CALU	A G	7	128197248	0.26	0.20	3PRIME_UTR
rs12538139	CALU	A G	7	128175777	0.36	0.35	INTRONIC
rs2307040	CALU	T C	7	128181842	0.37	0.36	NON_SYNONYMOUS_CODING
rs1043550	CALU	G A	7	128196461	0.34	0.37	3PRIME_UTR
rs11653	CALU	A T	7	128196816	0.36	0.39	3PRIME_UTR
NT_007933.13_53575380	CALU	C T	7	128186467	0.38	0.44	INTRONIC
NT_007933.14_53593768	CALU	C T	7	128197428	0.01		3PRIME_UTR
rs9332132	CYP2C9	A G	10	96699216	0.03	0.02	INTRONIC
rs1057911	CYP2C9	T A	10	96738727	0.07	0.03	SYNONYMOUS_CODING
NT_030059.11_15450889	CYP2C9	C T	10	96692353	0.06	0.03	INTRONIC

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
rs1057910	CYP2C9	C A	10	96731043	0.04	0.03	NON_SYNONYMOUS_CODING
rs9332230	CYP2C9	T A	10	96735974	0.04	0.04	INTRONIC
rs9332245	CYP2C9	A T	10	96739171		0.04	DOWNSTREAM
NT_030059.11_15450863	CYP2C9	T C	10	96692327	0.17	0.07	INTRONIC
rs9332197	CYP2C9	C T	10	96730898	0.03	0.07	INTRONIC
rs9332174	CYP2C9	G A	10	96722087	0.15	0.09	INTRONIC
rs9332242	CYP2C9	G C	10	96738883	0.11	0.13	3PRIME_UTR
NT_030059.12_15451082	CYP2C9	C T	10	96692546	0.10	0.15	INTRONIC
NT_030059.12_15450998	CYP2C9	G A	10	96692462	0.16	0.15	INTRONIC
rs9332104	CYP2C9	C T	10	96688680	0.16	0.16	INTRONIC
rs9332172	CYP2C9	G A	10	96721778	0.16	0.16	INTRONIC
rs2860905	CYP2C9	A G	10	96692285	0.15	0.21	INTRONIC
rs1934969	CYP2C9	T A	10	96738485		0.29	INTRONIC
NT_030059.12_15451550	CYP2C9	A T	10	96693014	0.01		INTRONIC
rs28371685	CYP2C9	T C	10	96730971	0.03		NON_SYNONYMOUS_CODING
rs28371678	CYP2C9	C T	10	96692542	0.06		INTRONIC
rs9332119	CYP2C9	C G	10	96691591	0.09		INTRONIC
rs2292568	EPHX1	T C	1	224094282	0.08	0.01	SYNONYMOUS_CODING
NT_004559.11_2203769	EPHX1	A C	1	224094198		0.01	NON_SYNONYMOUS_CODING
NT_004559.11_2192461	EPHX1	G A	1	224082890	0.10	0.02	INTRONIC
rs2234698	EPHX1	C T	1	224086123	0.04	0.03	SYNONYMOUS_CODING
rs3738047	EPHX1	A G	1	224083256	0.08	0.04	INTRONIC
NT_004559.11_2203742	EPHX1	T C	1	224094171	0.03	0.06	SYNONYMOUS_CODING
rs3738040	EPHX1	A G	1	224079664	0.08	0.06	INTRONIC
rs2292567	EPHX1	A G	1	224093239	0.10	0.08	DOWNSTREAM
rs1051741	EPHX1	T C	1	224098852	0.07	0.13	SYNONYMOUS_CODING
rs2292566	EPHX1	A G	1	224086276	0.11	0.14	SYNONYMOUS_CODING
rs2671266	EPHX1	T C	1	224093819	0.10	0.16	DOWNSTREAM

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
rs2234922	EPHX1	G A	1	224093029	0.12	0.18	NON_SYNONYMOUS_CODING
rs1051740	EPHX1	C T	1	224086256	0.27	0.26	NON_SYNONYMOUS_CODING
rs2260863	EPHX1	G C	1	224086397	0.28	0.28	INTRONIC
rs4149225	EPHX1	G A	1	224093824	0.21	0.36	DOWNSTREAM
NT_004559.11_2192575	EPHX1	A G	1	224083004	0.37	0.42	INTRONIC
NT_004559.11_2192591	EPHX1	A G	1	224083020	0.37	0.42	INTRONIC
NT_004559.12_2192885	EPHX1	T G	1	224083314	0.01		INTRONIC
NT_004559.12_2193017	EPHX1	T C	1	224083446	0.01		INTRONIC
rs2234699	EPHX1	C T	1	224086222	0.01		SYNONYMOUS_CODING
NT_004559.12_2208718	EPHX1	A G	1	224099147	0.02		DOWNSTREAM
NT_004487.17_19920127	F5	A G	1	167778027	0.01	0.01	SYNONYMOUS_CODING
NT_004487.17_19964604	F5	G A	1	167822288	0.01	0.01	5PRIME_UTR
NT_004487.17_19907940	F5	C T	1	167765624		0.01	NON_SYNONYMOUS_CODING
NT_004487.17_19937493	F5	A G	1	167795177		0.01	INTRONIC
NT_004487.17_19960900	F5	T C	1	167818584		0.01	INTRONIC
NT_004668.16_8060933	F5	T A	1	167822085		0.01	INTRONIC
rs6024	F5	C T	1	167778663	0.05	0.02	SYNONYMOUS_CODING
rs6007	F5	G T	1	167776363		0.02	NON_SYNONYMOUS_CODING
rs6023	F5	T C	1	167795008	0.08	0.04	INTRONIC
rs6009	F5	T C	1	167765458	0.13	0.05	INTRONIC
rs2239854	F5	A G	1	167792432	0.07	0.06	INTRONIC
rs9332609	F5	G T	1	167776107	0.06	0.06	INTRONIC
rs6019	F5	G C	1	167808137	0.02	0.07	NON_SYNONYMOUS_CODING
rs7523043	F5	T G	1	167796701	0.03	0.07	INTRONIC
rs6015	F5	A G	1	167786518	0.09	0.08	SYNONYMOUS_CODING
rs6427201	F5	T C	1	167795346	0.10	0.19	INTRONIC
rs6022	F5	A C	1	167796450	0.11	0.19	SYNONYMOUS_CODING
rs6029	F5	T C	1	167796597	0.11	0.19	SYNONYMOUS_CODING

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
rs7534848	F5	C T	1	167796717	0.11	0.19	INTRONIC
rs7545236	F5	C A	1	167796694	0.11	0.19	INTRONIC
rs6012	F5	T C	1	167795204	0.10	0.20	INTRONIC
GS30742	F5	T C	1	167822674	0.12	0.21	UPSTREAM
rs6021	F5	C T	1	167778651	0.21	0.21	SYNONYMOUS_CODING
rs9332643	F5	T C	1	167759300	0.22	0.22	INTRONIC
rs6028	F5	C T	1	167818306	0.34	0.24	SYNONYMOUS_CODING
rs6016	F5	A G	1	167778744	0.20	0.24	SYNONYMOUS_CODING
rs6662696	F5	A G	1	167779275	0.21	0.24	INTRONIC
rs2239851	F5	A C	1	167779121	0.19	0.25	INTRONIC
rs6662593	F5	A G	1	167779218	0.19	0.25	INTRONIC
rs6017	F5	G A	1	167778717	0.20	0.25	SYNONYMOUS_CODING
rs6675244	F5	C T	1	167779186	0.20	0.25	INTRONIC
rs6032	F5	C T	1	167778179	0.21	0.25	NON_SYNONYMOUS_CODING
rs4524	F5	C T	1	167778379	0.20	0.26	NON_SYNONYMOUS_CODING
rs9332635	F5	C T	1	167762057	0.19	0.27	INTRONIC
rs4525	F5	C T	1	167778358	0.22	0.27	NON_SYNONYMOUS_CODING
rs2301515	F5	T C	1	167760820	0.23	0.28	INTRONIC
rs2239852	F5	T C	1	167779148	0.26	0.31	INTRONIC
rs6030	F5	C T	1	167765599	0.27	0.31	NON_SYNONYMOUS_CODING
rs6686805	F5	C A	1	167779267	0.28	0.32	INTRONIC
rs12131397	F5	A C	1	167760577	0.50	0.43	INTRONIC
NT_004487.17_19920291	F5	T C	1	167777863	0.01		NON_SYNONYMOUS_CODING
NT_004487.17_19921046	F5	C T	1	167778730	0.01		NON_SYNONYMOUS_CODING
NT_004487.17_19928806	F5	C A	1	167786490	0.01		INTRONIC
rs6034	F5	C G	1	167765644	0.01		NON_SYNONYMOUS_CODING
rs9332658	F5	G A	1	167756570	0.01		INTRONIC
NT_004487.17_19892172	F5	C T	1	167750185	0.06		NON_SYNONYMOUS_CODING

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
NT_022184.13_64593799	GGCX	G A	2	85631372		0.01	NON_SYNONYMOUS_CODING
NT_022184.13_64598759	GGCX	A G	2	85636332		0.01	INTRONIC
NT_022184.13_64603901	GGCX	A G	2	85641474		0.01	SYNONYMOUS_CODING
NT_022184.14_64592035	GGCX	G C	2	85629606		0.01	DOWNSTREAM
NT_022184.14_64594133	GGCX	T C	2	85631704		0.01	SYNONYMOUS_CODING
NT_022184.14_64595619	GGCX	G C	2	85633190		0.01	NON_SYNONYMOUS_CODING
rs13406935	GGCX	T A	2	85629519	0.11	0.08	DOWNSTREAM
rs11676382	GGCX	G C	2	85631144	0.12	0.09	INTRONIC
rs10179904	GGCX	A G	2	85633618	0.10	0.09	SYNONYMOUS_CODING
rs1254898	GGCX	T C	2	85641651	0.31	0.27	INTRONIC
rs2592551	GGCX	A G	2	85633642	0.25	0.35	SYNONYMOUS_CODING
rs2028898	GGCX	A G	2	85630781	0.26	0.35	INTRONIC
rs699664	GGCX	T C	2	85634047	0.14	0.39	NON_SYNONYMOUS_CODING
rs7568458	GGCX	A T	2	85641686	0.42	0.42	INTRONIC
NT_022184.14_64595668	GGCX	G A	2	85633239	0.01		INTRONIC
NT_022184.14_64592216	GGCX	G T	2	85629787	0.04		3PRIME_UTR
NT_022184.14_64594203	GGCX	G C	2	85631774	0.05		INTRONIC
rs6751560	GGCX	T C	2	85639585	0.06		SYNONYMOUS_CODING
rs1254896	GGCX	T G	2	85634829	0.07		SYNONYMOUS_CODING
NT_010498.14_18473923	NQO1	A G	16	68309507	0.03	0.01	INTRONIC
NT_010498.14_18473472	NQO1	T C	16	68309958	0.01	0.01	INTRONIC
NT_010498.15_23374789	NQO1	G C	16	68318091		0.01	5PRIME_UTR
rs689453	NQO1	A G	16	68309874	0.05	0.02	SYNONYMOUS_CODING
rs689452	NQO1	G C	16	68309965	0.11	0.09	INTRONIC
rs10517	NQO1	T C	16	68301261	0.12	0.12	3PRIME_UTR
rs1800566	NQO1	T C	16	68302646	0.15	0.21	NON_SYNONYMOUS_CODING
NT_010498.15_23362858	NQO1	C T	16	68306160	0.33	0.36	INTRONIC
NT_010498.15_23374635	NQO1	A G	16	68317937	0.01		5PRIME_UTR

SNP	Gene	allele	CHR	Position	MAF (Patient)	MAF(CEPH)	Consequence
rs34590494	NQO1	A T	16	68301743	0.01		3PRIME_UTR
NT_010498.15_23358698	NQO1	A G	16	68302000	0.03		3PRIME_UTR
rs4986998	NQO1	T C	16	68306370	0.03		NON_SYNONYMOUS_CODING
NT_010663.14_15934	P4HB	A G	17	77395116	0.01	0.01	3PRIME_UTR
NT_010663.14_19476	P4HB	G A	17	77398658	0.01	0.01	INTRONIC
NT_010663.14_15329	P4HB	G A	17	77394511		0.01	3PRIME_UTR
NT_010663.14_16084	P4HB	T C	17	77395266	0.01	0.01	INTRONIC
NT_010663.14_18339	P4HB	T C	17	77397521		0.01	INTRONIC
NT_010663.14_30968	P4HB	A G	17	77410150		0.01	INTRONIC
rs2277706	P4HB	G T	17	77394960	0.01	0.01	3PRIME_UTR
NT_010663.14_17640	P4HB	A G	17	77396822		0.01	SYNONYMOUS_CODING
NT_010663.14_27400	P4HB	T C	17	77406582		0.01	INTRONIC
NT_010663.14_16992	P4HB	A G	17	77396174		0.01	INTRONIC
NT_010663.14_27335	P4HB	T C	17	77406517	0.04	0.02	INTRONIC
NT_010663.14_16981	P4HB	A C	17	77396163		0.02	INTRONIC
NT_010663.14_27411	P4HB	G A	17	77406593	0.06	0.03	INTRONIC
rs8069408	P4HB	G T	17	77411341	0.21	0.20	INTRONIC
NT_010663.14_32266	P4HB	C T	17	77411448	0.18	0.22	INTRONIC
NT_010663.14_31757	P4HB	G A	17	77410939	0.24	0.23	INTRONIC
NT_010663.14_17540	P4HB	A G	17	77396722	0.22	0.25	INTRONIC
rs2070871	P4HB	A G	17	77398423	0.22	0.25	SYNONYMOUS_CODING
rs1010954	P4HB	A G	17	77410294	0.24	0.26	INTRONIC
rs1130664	P4HB	G T	17	77411649	0.26	0.26	5PRIME_UTR
rs8324	P4HB	A C	17	77394577	0.24	0.26	3PRIME_UTR
rs11558886	P4HB	T G	17	77411549		0.26	SYNONYMOUS_CODING
rs1799919	P4HB	G A	17	77396390	0.25	0.27	SYNONYMOUS_CODING
rs1533756	P4HB	T C	17	77410215	0.40	0.31	INTRONIC
NT_010663.14_27007	P4HB	G A	17	77406189	0.01		INTRONIC

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NT_010663.14_19110	P4HB	G A	17	77398292	0.25		INTRONIC
NT_007914.13_9278378	PDIA4	A G	7	148333295	0.04	0.01	SYNONYMOUS_CODING
NT_007914.13_9287949	PDIA4	G T	7	148342866		0.01	INTRONIC
NT_007914.14_9281679	PDIA4	C T	7	148336596		0.01	INTRONIC
NT_007914.13_9287958	PDIA4	A G	7	148342875		0.01	INTRONIC
NT_007914.14_9277252	PDIA4	T C	7	148332169		0.01	NON_SYNONYMOUS_CODING
NT_007914.14_9301480	PDIA4	G A	7	148356397		0.01	SYNONYMOUS_CODING
NT_007914.14_9294341	PDIA4	A G	7	148349258		0.01	INTRONIC
rs6971353	PDIA4	T C	7	148332101		0.05	SYNONYMOUS_CODING
rs11546289	PDIA4	A G	7	148356534	0.34	0.07	5PRIME_UTR
rs6952916	PDIA4	C T	7	148355878	0.24	0.23	INTRONIC
rs1052549	PDIA4	C A	7	148331475	0.31	0.26	3PRIME_UTR
NT_007914.13_9278173	PDIA4	T C	7	148333090	0.25	0.29	INTRONIC
rs7777113	PDIA4	T C	7	148333429	0.25	0.29	INTRONIC
rs7795577	PDIA4	G A	7	148333419	0.25	0.30	INTRONIC
NT_007914.14_9292336	PDIA4	T C	7	148347253	0.26	0.31	INTRONIC
rs10272564	PDIA4	A G	7	148336423	0.28	0.31	INTRONIC
rs9065	PDIA4	T C	7	148331782		0.34	3PRIME_UTR
NT_007914.14_9292170	PDIA4	C T	7	148347087	0.01		SYNONYMOUS_CODING
rs2290971	PDIA4	A G	7	148343025	0.02		NON_SYNONYMOUS_CODING
NT_007914.14_9294383	PDIA4	C G	7	148349300	0.02		INTRONIC
NT_005079.12_1238944	PROC	T C	2	127893963		0.01	INTRONIC
NT_022135.15_16892518	PROC	A G	2	127901066		0.01	INTRONIC
NT_022135.15_16884145	PROC	C G	2	127892693		0.02	INTRONIC
rs2069928	PROC	T G	2	127900384	0.16	0.19	INTRONIC
rs5937	PROC	C T	2	127901240	0.35	0.23	SYNONYMOUS_CODING
NT_022135.14_16883972	PROC	T C	2	127892700	0.32	0.28	INTRONIC
rs1799810	PROC	T A	2	127892510	0.46	0.32	5PRIME_UTR

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rs1158867	PROC	C T	2	127893847	0.44	0.39	INTRONIC
NT_022135.15_16884044	PROC	A G	2	127892592	0.01		INTRONIC
NT_022135.15_16885346	PROC	T C	2	127893894	0.01		INTRONIC
NT_022135.15_16885383	PROC	A G	2	127893931	0.01		INTRONIC
NT_022135.15_16894449	PROC	T C	2	127902997	0.01		3PRIME_UTR
NT_022135.15_16885587	PROC	T C	2	127894135	0.01		INTRONIC
rs2884737	VKORC1	C A	16	31013055	0.19	0.29	INTRONIC
rs7294	VKORC1	T C	16	31009822	0.37	0.30	DOWNSTREAM