

AncestryDNAv2

|            | Liver Detox - Phase I (Figure 1) |             |              |              |  |
|------------|----------------------------------|-------------|--------------|--------------|--|
| SNP ID     | SNP Name                         | Risk Allele | Your Alleles | Your Results |  |
| rs1799814  | CYP1A1*4 C2453A                  | Т           | GG           | _/_          |  |
| rs2470890  | CYP1A2 1545T>C                   | С           | CC           | +/+          |  |
| rs2472304  | CYP1A2*1F 34356G>A               | А           | GG           | _/_          |  |
| rs762551   | CYP1A2*1F C164A                  | А           | CC           | -/-          |  |
| rs2069526  | CYP1A2*1K -739T>G                | G           | TT           | -/-          |  |
| rs56276455 | CYP1A2*3 D348N                   | А           | GG           | -/-          |  |
| rs9341266  | CYP1B1 C1871T                    | А           | GG           | _/_          |  |
| rs1056836  | CYP1B1 L432V                     | G           | CC           | _/_          |  |
| rs1800440  | CYP1B1 N453S                     | С           | TT           | -/-          |  |
| rs9282671  | CYP1B1 T241A                     | С           | AA           | -/-          |  |
| rs72549389 | CYP1B1 T5795C                    | G           | AA           | -/-          |  |
| rs1801272  | CYP2A6*2 A1799T                  | Т           | AA           | _/_          |  |
| rs35303484 | CYP2B6 A136G                     | G           | AA           | -/-          |  |
| rs8192719  | CYP2B6 C26570T                   | Т           | CC           | -/-          |  |
| rs2279344  | CYP2B6 G23280A                   | G           | AG           | +/-          |  |
| rs7260329  | CYP2B6 G29435A                   | G           | AG           | +/-          |  |
| rs28399499 | CYP2B6 I328T                     | С           | TT           | _/_          |  |
| rs3745274  | CYP2B6 Q172H                     | Т           | GG           | _/_          |  |
| rs1042389  | CYP2B6 T1421C                    | С           | TC           | +/-          |  |
| rs36079186 | CYP2B6 T20715C                   | С           | TT           | _/_          |  |
| rs2279345  | CYP2B6 T23499C                   | С           | TC           | +/-          |  |
| rs12767583 | CYP2C19 C5709T                   | Т           | TC           | +/-          |  |
| rs4917623  | CYP2C19 T106C                    | С           | TC           | +/-          |  |
| rs4986894  | CYP2C19 T98C                     | С           | TC           | +/-          |  |
| rs4244285  | CYP2C19*2 G681A                  | А           | AG           | +/-          |  |
| rs4986893  | CYP2C19*3 G636A                  | А           | GG           | -/-          |  |
| rs28399504 | CYP2C19*4 A5001G                 | G           | AA           | -/-          |  |
| rs56337013 | CYP2C19*5 C1297T                 | Т           | CC           | _/_          |  |
| rs72558186 | CYP2C19*7 T24294A                | А           | TT           | _/_          |  |
| rs41291556 | CYP2C19*8 T358C                  | С           | TT           | _/_          |  |
| rs1057911  | CYP2C9 50298A>T                  | Т           | AA           | _/_          |  |
| rs4917639  | CYP2C9 A6326C                    | С           | AC           | +/-          |  |
| rs4086116  | CYP2C9 C334T                     | Т           | TC           | +/-          |  |
| rs10509680 | CYP2C9 G2337T                    | Т           | GG           | _/_          |  |
| rs4918758  | CYP2C9 T1188C                    | С           | CC           | +/+          |  |
| rs1934967  | CYP2C9 T2674C                    | Т           | CC           | _/_          |  |
| rs9332239  | CYP2C9*12 1465C>T                | Т           | CC           | _/_          |  |
| rs72558187 | CYP2C9*13 269T>C                 | С           | TT           | _/_          |  |
| rs1057910  | CYP2C9*3 1075A>C                 | С           | AA           | _/_          |  |



| Liver Detox - Phase I (Figure 1) |                       |             |              |              |
|----------------------------------|-----------------------|-------------|--------------|--------------|
| SNP ID                           | SNP Name              | Risk Allele | Your Alleles | Your Results |
| rs2256871                        | CYP2C9*9 752A>G       | G           | AA           | -/-          |
| rs16947                          | CYP2D6 C2850T         | А           | GG           | -/-          |
| rs61736512                       | CYP2D6 G1659A         | Т           | CC           | -/-          |
| rs5030862                        | CYP2D6*12 124G>A      | Т           | CC           | -/-          |
| rs28371706                       | CYP2D6*17 T107I       | А           | GG           | -/-          |
| rs3813865                        | CYP2E1 G3378C         | С           | GG           | -/-          |
| rs8192772                        | CYP2E1 T8845C         | С           | TT           | -/-          |
| rs6413419                        | CYP2E1*4 A4768G       | А           | GG           | -/-          |
| rs2070673                        | CYP2E1*7333T>A T333A  | А           | TT           | -/-          |
| rs2070672                        | CYP2E1*7352A>G A352G  | G           | AA           | -/-          |
| rs6413420                        | CYP2E1*771G>T G71T    | Т           | GG           | -/-          |
| rs2031920                        | CYP2E11055C>T G1055T  | Т           | CC           | -/-          |
| rs3813867                        | CYP2E11295G>C G1295C  | С           | GG           | -/-          |
| rs4646437                        | CYP3A4 C202T          | А           | GG           | -/-          |
| rs2246709                        | CYP3A4 T258C          | G           | AA           | -/-          |
| rs28371759                       | CYP3A4*18 L293P       | G           | AA           | -/-          |
| rs2740574                        | CYP3A4*1B A392G       | Т           | TT           | +/+          |
| rs55785340                       | CYP3A4*2 S222P        | G           | AA           | -/-          |
| rs55901263                       | CYP3A4*5 P218R        | С           | GG           | -/-          |
| rs2242480                        | CYP3A4*_20239G>A G12A | Т           | CC           | -/-          |
| rs28365083                       | CYP3A5*2 C2899A       | Т           | GG           | -/-          |
| rs776746                         | CYP3A5*3 G237A        | А           | CC           | -/-          |
| rs10264272                       | CYP3A5*6 G624A        | Т           | CC           | -/-          |
| rs662                            | PON1 Q192R            | Т           | TT           | +/+          |
|                                  |                       |             |              |              |



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|             | Liver Detox - Phase II (Figure 1) |             |              |              |  |  |
|-------------|-----------------------------------|-------------|--------------|--------------|--|--|
| SNP ID      | SNP Name                          | Risk Allele | Your Alleles | Your Results |  |  |
| rs3741049   | ACAT1 G22670A                     | А           | AA           | +/+          |  |  |
| rs4343      | ACE G2328A                        | G           | AG           | +/-          |  |  |
| rs11555566  | ADA A239G                         | С           | TT           | -/-          |  |  |
| rs452159    | ADA C14275A                       | Т           | TG           | +/-          |  |  |
| rs73598374  | ADA G22A                          | Т           | CC           | -/-          |  |  |
| rs4961      | ADD1 G460W                        | Т           | GG           | -/-          |  |  |
| rs699       | AGT M235T/C4072T                  | G           | AG           | +/-          |  |  |
| rs6875201   | BHMT A7961G                       | G           | AA           | -/-          |  |  |
| rs16876512  | BHMT C-448T                       | Т           | CC           | -/-          |  |  |
| rs3733890   | BHMT R239Q                        | А           | GG           | -/-          |  |  |
| rs567754    | BHMT-02 C13813T                   | Т           | TC           | +/-          |  |  |
| rs235756    | BMP2 C282Y                        | G           | AA           | -/-          |  |  |
| rs2155219   | C11orf30 76588150G>T              | Т           | TG           | +/-          |  |  |
| rs480575    | CAT A12175G                       | G           | AA           | -/-          |  |  |
| rs11032703  | CAT C14185T                       | Т           | CC           | -/-          |  |  |
| rs2300181   | CAT C21068T                       | Т           | CC           | -/-          |  |  |
| rs737866    | COMT/TXNRD2 A4251G                | Т           | TT           | +/+          |  |  |
| rs2020917   | COMT/TXNRD2 C4622T                | Т           | CC           | -/-          |  |  |
| rs3741775   | DAO A14747C                       | С           | CC           | +/+          |  |  |
| rs3918347   | DAO A24464G                       | G           | AA           | -/-          |  |  |
| rs2070586   | DAO G8864A                        | А           | GG           | -/-          |  |  |
| rs2111902   | DAO T9891G                        | G           | TT           | -/-          |  |  |
| rs1650697   | DHFR/MSH T-473A                   | G           | AG           | +/-          |  |  |
| rs3738401   | DISC1 R264Q                       | А           | AG           | +/-          |  |  |
| rs2253262   | DMGDH T372G                       | С           | AC           | +/-          |  |  |
| rs1018381   | DTNBP1 C11202T                    | А           | GG           | -/-          |  |  |
| rs2619522   | DTNBP1 T14623G                    | С           | AC           | +/-          |  |  |
| rs2071010   | FOLR1 G-20A                       | А           | GG           | -/-          |  |  |
| rs7925545   | FOLR3 A3771G                      | G           | AA           | -/-          |  |  |
| rs7926875   | FOLR3 C7672A                      | А           | CC           | -/-          |  |  |
| rs492602    | FUT2 A12190G                      | G           | GG           | +/+          |  |  |
| rs1047781   | FUT2 A12404T                      | Т           | AA           | -/-          |  |  |
| rs602662    | FUT2 G12758A                      | А           | AA           | +/+          |  |  |
| rs137852331 | G6PD A195A - Class II             | С           | TT           | -/-          |  |  |
| rs5030872   | G6PD A211V - Class III            | А           | TT           | -/-          |  |  |
| rs137852318 | G6PD A312T - Class III            | А           | CC           | -/-          |  |  |
| rs74575103  | G6PD A315H - Class III            | Т           | CC           | -/-          |  |  |
| rs5030869   | G6PD A365T - Class II             | Т           | CC           | -/-          |  |  |
| rs1050829   | G6PD A376G - Class I              | С           | TT           | -/-          |  |  |
|             |                                   |             |              |              |  |  |



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|             | Liver Detox - Phase    | II (Figure 1) |              |              |
|-------------|------------------------|---------------|--------------|--------------|
| SNP ID      | SNP Name               | Risk Allele   | Your Alleles | Your Results |
| rs137852345 | G6PD A391V - Class I   | А             | GG           | -/-          |
| rs137852329 | G6PD A393L - Class I   | Т             | GG           | -/-          |
| rs137852334 | G6PD A417C - Class I   | А             | GG           | _/_          |
| rs137852321 | G6PD A417H - Class I   | Т             | CC           | -/-          |
| rs137852316 | G6PD A423H - Class I   | Т             | CC           | -/-          |
| rs398123546 | G6PD A454C - Class II  | А             | GG           | -/-          |
| rs137852337 | G6PD A469P - Class II  | Т             | CC           | -/-          |
| rs137852324 | G6PD A484H - Class II  | Т             | CC           | -/-          |
| rs78478128  | G6PD A74G - Class III  | С             | GG           | -/-          |
| rs137852315 | G6PD A88A - Class III  | Т             | CC           | -/-          |
| rs137852346 | G6PD C299T - Class I   | Т             | CC           | _/_          |
| rs137852322 | G6PD C415A - Class I   | G             | AA           | -/-          |
| rs137852341 | G6PD G161V - Class III | А             | CC           | -/-          |
| rs137852313 | G6PD G186L - Class III | Т             | CC           | -/-          |
| rs137852314 | G6PD G193S - Class III | Т             | CC           | -/-          |
| rs387906468 | G6PD G398L - Class I   | Т             | CC           | -/-          |
| rs137852336 | G6PD G440A - Class I   | Т             | CC           | -/-          |
| rs137852323 | G6PD G440C - Class I   | А             | CC           | -/-          |
| rs137852317 | G6PD G477A - Class I   | Т             | CC           | -/-          |
| rs137852340 | G6PD H62A - Class III  | С             | TT           | -/-          |
| rs78365220  | G6PD L128P - Class II  | G             | AA           | -/-          |
| rs137852342 | G6PD L372P - Class III | А             | GG           | -/-          |
| rs137852320 | G6PD L416G - Class I   | С             | TT           | _/_          |
| rs137852343 | G6PD P203L - Class II  | G             | AA           | -/-          |
| rs137852319 | G6PD P246L - Class I   | G             | AA           | _/_          |
| rs137852333 | G6PD P383S - Class II  | А             | GG           | -/-          |
| rs137852344 | G6PD P497A - Class III | С             | GG           | -/-          |
| rs137852348 | G6PD P511A - Class III | С             | GG           | -/-          |
| rs137852330 | G6PD R198C - Class II  | А             | GG           | -/-          |
| rs72554664  | G6PD R493H - Class II  | Т             | CC           | -/-          |
| rs5030868   | G6PD S219F - Class II  | А             | GG           | -/-          |
| rs137852349 | G6PD T100H - Class II  | G             | AA           | -/-          |
| rs137852326 | G6PD V243L - Class I   | А             | CC           | -/-          |
| rs137852327 | G6PD V321M - Class II  | Т             | CC           | -/-          |
| rs137852335 | G6PD V424L - Class I   | G             | CC           | -/-          |
| rs1050828   | G6PD V98M - Class III  | Т             | CC           | -/-          |
| rs769395    | GAD1 (GAD) A48604A     | А             | AG           | +/-          |
| rs2241165   | GAD1 (GAD) C10180T     | Т             | TC           | +/-          |
| rs3828275   | GAD1 (GAD) C14541T     | Т             | TC           | +/-          |



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|            | Liver Detox - Phase II (Figure 1) |             |              |              |  |
|------------|-----------------------------------|-------------|--------------|--------------|--|
| SNP ID     | SNP Name                          | Risk Allele | Your Alleles | Your Results |  |
| rs2241164  | GAD1 (GAD) C18360T                | Т           | TC           | +/-          |  |
| rs12185692 | GAD1 (GAD) C2627A                 | А           | AC           | +/-          |  |
| rs701492   | GAD1 (GAD) C34281T                | Т           | TC           | +/-          |  |
| rs769407   | GAD1 (GAD) G25509C                | С           | CG           | +/-          |  |
| rs3791878  | GAD1 (GAD) G3992T                 | Т           | GG           | -/-          |  |
| rs3749034  | GAD1 (GAD) G5276A                 | А           | AG           | +/-          |  |
| rs2058725  | GAD1 (GAD) T21922C                | С           | TC           | +/-          |  |
| rs3791851  | GAD1 (GAD) T30473C                | С           | TC           | +/-          |  |
| rs1805398  | GAD2 (GAD) G26474809T             | Т           | GG           | -/-          |  |
| rs17851582 | GAMT C9110T                       | А           | GG           | -/-          |  |
| rs55776826 | GAMT G7497A                       | Т           | CC           | -/-          |  |
| rs3780127  | GGH C15472T                       | А           | GG           | _/_          |  |
| rs11545078 | GGH C17847T                       | А           | GG           | _/_          |  |
| rs3780126  | GGH C6699T                        | А           | AG           | +/-          |  |
| rs4617146  | GGH G13894A                       | Т           | TT           | +/+          |  |
| rs6519519  | GGT1 C17146T                      | Т           | CC           | _/_          |  |
| rs5760485  | GGT1 T11756C                      | Т           | TT           | +/+          |  |
| rs5751901  | GGT1 T17549C                      | С           | TT           | _/_          |  |
| rs8177412  | GPX3 129T>C                       | Т           | TT           | +/+          |  |
| rs2551715  | GSR A43851G                       | С           | TT           | -/-          |  |
| rs3594     | GSR G*1377T                       | А           | CC           | -/-          |  |
| rs2273684  | GSS A18836C                       | G           | TG           | +/-          |  |
| rs6088659  | GSS A5997G                        | С           | CC           | +/+          |  |
| rs28936396 | GSS C373T                         | А           | GG           | -/-          |  |
| rs6060124  | GSS G11705T                       | А           | 00           | -/-          |  |
| rs4147567  | GSTM1 7107A>G                     | G           | AA           | -/-          |  |
| rs1056806  | GSTM1 7730C>T                     | Т           | CC           | -/-          |  |
| rs2239892  | GSTM1 8869A>G                     | G           | AA           | -/-          |  |
| rs7483     | GSTM3 V224I                       | Т           | TT           | +/+          |  |
| rs1138272  | GSTP1 A114V                       | Т           | CC           | _/_          |  |
| rs1695     | GSTP1 I105V                       | G           | AA           | _/_          |  |
| rs2073440  | HDC A1932C                        | G           | TT           | _/_          |  |
| rs2794719  | HFE 6382T>G                       | G           | TG           | +/-          |  |
| rs9366637  | HFE 6590C>T                       | Т           | CC           | -/-          |  |
| rs1800562  | HFE C282Y                         | А           | GG           | -/-          |  |
| rs1799945  | HFE H63D                          | G           | CG           | +/-          |  |
| rs1800730  | HFE S65C                          | Т           | AA           | -/-          |  |
| rs7775228  | HLA-DRB4 4103732T>C               | С           | TT           | -/-          |  |
| rs17583889 | HNMT C29232A                      | А           | CC           | -/-          |  |
|            |                                   |             |              |              |  |



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|            | Liver Detox - Phase II (Figure 1) |             |              |              |  |
|------------|-----------------------------------|-------------|--------------|--------------|--|
| SNP ID     | SNP Name                          | Risk Allele | Your Alleles | Your Results |  |
| rs6430764  | HNMT C3616T                       | Т           | TT           | +/+          |  |
| rs346070   | HRH1 T*1687C                      | С           | CC           | +/+          |  |
| rs901865   | HRH1 T-17C                        | С           | CC           | +/+          |  |
| rs11662595 | HRH4 A617G                        | G           | AA           | -/-          |  |
| rs4800573  | HRH4 G*2144A                      | А           | AG           | +/-          |  |
| rs16940765 | HRH4 T3537649C                    | С           | TC           | +/-          |  |
| rs7997012  | HTR2A T64185C                     | G           | GG           | +/+          |  |
| rs7820268  | IDO1 C6202T                       | Т           | TC           | +/-          |  |
| rs2993763  | MAT1A C1131T                      | А           | GG           | -/-          |  |
| rs4934028  | MAT1A C15656T                     | А           | GG           | -/-          |  |
| rs72558181 | MAT1A G19502A                     | Т           | CC           | -/-          |  |
| rs1985908  | MAT1A T*1297C                     | G           | AG           | +/-          |  |
| rs2028900  | MAT2A C6635T                      | Т           | TC           | +/-          |  |
| rs4869089  | MAT2B A7755681G                   | G           | AG           | +/-          |  |
| rs7134594  | MMAB G16110A                      | Т           | CC           | -/-          |  |
| rs2071409  | MPO A15067C                       | G           | TT           | -/-          |  |
| rs2759     | MPO A15191G                       | С           | TT           | -/-          |  |
| rs28730837 | MPO C7900T                        | А           | GG           | -/-          |  |
| rs1076991  | MTHFD1 C105T                      | С           | TC           | +/-          |  |
| rs2236225  | MTHFD1 R635Q                      | А           | AG           | +/-          |  |
| rs803422   | MTHFD1L A33780G                   | G           | GG           | +/+          |  |
| rs11754661 | MTHFD1L G25264A                   | А           | GG           | -/-          |  |
| rs17349743 | MTHFD1L T31397C                   | С           | TT           | -/-          |  |
| rs1667627  | MTHFD2 C8503T                     | Т           | TC           | +/-          |  |
| rs6495446  | MTHFS - ST20 MTHFS G39646A        | Т           | TT           | +/+          |  |
| rs2733103  | MTHFS - ST20 MTHFS G56057A        | Т           | CC           | -/-          |  |
| rs1041983  | NAT2 C282T                        | Т           | TC           | +/-          |  |
| rs1799929  | NAT2 C481T                        | Т           | TC           | +/-          |  |
| rs1801279  | NAT2 G191A                        | А           | GG           | -/-          |  |
| rs1799931  | NAT2 G286E                        | А           | GG           | -/-          |  |
| rs1801280  | NAT2 I114T                        | С           | TC           | +/-          |  |
| rs1208     | NAT2 K268R                        | А           | AG           | +/-          |  |
| rs1799930  | NAT2 R197Q                        | А           | AG           | +/-          |  |
| rs1805158  | NAT2 R64W                         | Т           | CC           | -/-          |  |
| rs12150220 | NLRP1 7466T>A                     | Т           | AA           | -/-          |  |
| rs10733113 | NLRP3 247622357A>G                | G           | GG           | +/+          |  |
| rs17221417 | NOD2 13533C>G                     | G           | GC           | +/-          |  |
| rs2066843  | NOD2 19150C>T                     | Т           | TC           | +/-          |  |
| rs5743289  | NOD2 30725C>T                     | Т           | TC           | +/-          |  |



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|            | Liver Detox - Phase II (Figure 1) |             |              |              |  |  |
|------------|-----------------------------------|-------------|--------------|--------------|--|--|
| SNP ID     | SNP Name                          | Risk Allele | Your Alleles | Your Results |  |  |
| rs2066845  | NOD2 Gly881Arg                    | С           | GG           | _/_          |  |  |
| rs2066847  | NOD2 L1007P                       | С           | DD           | _/_          |  |  |
| rs10517    | NQO1 C494+                        | G           | AG           | +/-          |  |  |
| rs1800566  | NQO1 C609T                        | А           | GG           | _/_          |  |  |
| rs689452   | NQO1 G13070C                      | G           | CG           | +/-          |  |  |
| rs689453   | NQO1 G13161A                      | Т           | CC           | _/_          |  |  |
| rs2917669  | NQO1 T6314C                       | G           | AG           | +/-          |  |  |
| rs1437135  | NQO1 T7706C                       | G           | AA           | _/_          |  |  |
| rs6994992  | NRG1 C3314T                       | Т           | TC           | +/-          |  |  |
| rs2280673  | RAB6B C282Y                       | С           | AA           | _/_          |  |  |
| rs5568     | SLC6A2 A45583C                    | С           | AA           | _/_          |  |  |
| rs168924   | SLC6A2 A5003G                     | G           | AG           | +/-          |  |  |
| rs3785143  | SLC6A2 C10565T                    | Т           | CC           | _/_          |  |  |
| rs36020    | SLC6A2 C28547T                    | Т           | CC           | _/_          |  |  |
| rs3785157  | SLC6A2 C45295T                    | Т           | TT           | +/+          |  |  |
| rs36009    | SLC6A2 C48079T                    | Т           | CC           | _/_          |  |  |
| rs2242447  | SLC6A2 C51371T                    | Т           | TT           | +/+          |  |  |
| rs2242446  | SLC6A2 C5884T                     | Т           | TT           | +/+          |  |  |
| rs1532701  | SLC6A2 G13486A                    | А           | AG           | +/-          |  |  |
| rs40147    | SLC6A2 G32299A                    | А           | AG           | +/-          |  |  |
| rs1566652  | SLC6A2 G47034T                    | Т           | GG           | _/_          |  |  |
| rs998424   | SLC6A2 G47405A                    | А           | AA           | +/+          |  |  |
| rs3785152  | SLC6A2 T32009C                    | С           | CC           | +/+          |  |  |
| rs1800887  | SLC6A2 T49048C                    | С           | TT           | _/_          |  |  |
| rs6347     | SLC6A3 A39132G                    | С           | TC           | +/-          |  |  |
| rs2617605  | SLC6A3 A8023G                     | С           | TT           | -/-          |  |  |
| rs460000   | SLC6A3 C17719T                    | Т           | GG           | _/_          |  |  |
| rs6350     | SLC6A3 C7345T                     | А           | GG           | _/_          |  |  |
| rs27048    | SLC6A3 G37899A                    | Т           | TC           | +/-          |  |  |
| rs11133767 | SLC6A3 G48964A                    | Т           | CC           | -/-          |  |  |
| rs40184    | SLC6A3 G55467A                    | Т           | TT           | +/+          |  |  |
| rs27072    | SLC6A3 G56022A                    | Т           | TC           | +/-          |  |  |
| rs403636   | SLC6A3 T12190G                    | С           | AC           | +/-          |  |  |
| rs464049   | SLC6A3 T26639C                    | G           | AA           | _/_          |  |  |
| rs1042098  | SLC6A3 T55729C                    | G           | AG           | +/-          |  |  |
| rs4149452  | SULT2A1 G17136A                   | Т           | TC           | +/-          |  |  |
| rs2547231  | SULT2A1 G9598T                    | А           | AA           | +/+          |  |  |
| rs4149449  | SULT2A1 G9696A                    | Т           | CC           | _/_          |  |  |
| rs6717546  | UGT1A1 A188730G                   | G           | AA           | _/_          |  |  |
|            |                                   |             |              |              |  |  |



|            | Liver Detox - Phase | e II (Figure 1) |              |              |
|------------|---------------------|-----------------|--------------|--------------|
| SNP ID     | SNP Name            | Risk Allele     | Your Alleles | Your Results |
| rs887829   | UGT1A1 C175181T     | Т               | CC           | -/-          |
| rs4148325  | UGT1A1 C179920T     | Т               | CC           | _/_          |
| rs6742078  | UGT1A1 G179250T     | Т               | GG           | _/_          |
| rs62625011 | UGT1A1 G182349A     | А               | GG           | _/_          |
| rs4148323  | UGT1A1 G211A        | А               | GG           | _/_          |
| rs72551348 | UGT1A1 G328A        | G               | AA           | _/_          |
| rs72551351 | UGT1A1 G354A        | G               | AA           | _/_          |
| rs72551341 | UGT1A1 L175G        | А               | TT           | _/_          |
| rs1544410  | VDR VDR:BsmI        | Т               | CC           | _/_          |



|            | Yeast/Alcohol Metabo | olism (Figure 2) |              |              |
|------------|----------------------|------------------|--------------|--------------|
| SNP ID     | SNP Name             | Risk Allele      | Your Alleles | Your Results |
| rs4767939  | ALDH2 A7550G         | G                | AG           | +/-          |
| rs4648328  | ALDH2 C23443T        | Т                | TC           | +/-          |
| rs4646778  | ALDH2 C36438A        | А                | AC           | +/-          |
| rs16941667 | ALDH2 C45068T        | Т                | CC           | -/-          |
| rs671      | ALDH2 G1369A         | А                | GG           | -/-          |
| rs2238152  | ALDH2 G15114T        | Т                | TG           | +/-          |
| rs2238151  | ALDH2 T12488C        | С                | TC           | +/-          |
| rs968529   | ALDH2 T35023C        | С                | CC           | +/+          |
| rs72547575 | ALDH3A2 A1157G       | G                | AA           | -/-          |
| rs72547566 | ALDH3A2 C13996T      | Т                | CC           | -/-          |
| rs1800869  | ALDH3A2 C17571G      | G                | GG           | +/+          |
| rs72547564 | ALDH3A2 G641A        | А                | GG           | -/-          |



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|            | Methylation & Methionine/Homocysteine Pathways (Figure 3) |             |              |              |  |
|------------|---|-------------|--------------|--------------|--|
| SNP ID     | SNP Name  | Risk Allele | Your Alleles | Your Results |  |
| rs72547575 | ALDH3A2 A1157G  | G           | AA           | _/_          |  |
| rs72547566 | ALDH3A2 C13996T   | Т           | CC           | _/_          |  |
| rs1800869  | ALDH3A2 C17571G   | G           | GG           | +/+          |  |
| rs72547564 | ALDH3A2 G641A   | А           | GG           | _/_          |  |
| rs1799807  | BCHE A98G   | С           | TT           | _/_          |  |
| rs6875201  | BHMT A7961G   | G           | AA           | _/_          |  |
| rs16876512 | BHMT C-448T   | Т           | CC           | _/_          |  |
| rs3733890  | BHMT R239Q  | А           | GG           | _/_          |  |
| rs567754   | BHMT-02 C13813T   | Т           | TC           | +/-          |  |
| rs28934891 | CBS D44N  | Т           | CC           | _/_          |  |
| rs5742905  | CBS I278T   | G           | AA           | _/_          |  |
| rs2851391  | CBS A13637G   | С           | TC           | +/-          |  |
| rs1801181  | CBS A360A   | А           | AG           | +/-          |  |
| rs706209   | CBS C*351T  | А           | AG           | +/-          |  |
| rs4920037  | CBS C19150T   | А           | AG           | +/-          |  |
| rs234706   | CBS C699T   | А           | AG           | +/-          |  |
| rs12613    | CBS G*299A  | Т           | CC           | _/_          |  |
| rs2272306  | CSAD C25411T  | А           | GG           | _/_          |  |
| rs1145920  | CTH A11886G   | G           | AA           | _/_          |  |
| rs515064   | CTH A32114G   | G           | AA           | _/_          |  |
| rs663649   | CTH G25229T   | Т           | GG           | _/_          |  |
| rs10889869 | CTH G6010A  | А           | GG           | _/_          |  |
| rs1021737  | CTH S4031I  | Т           | GG           | _/_          |  |
| rs681475   | CTH T8763C  | С           | TT           | _/_          |  |
| rs1650697  | DHFR/MSH T-473A   | G           | AG           | +/-          |  |
| rs2253262  | DMGDH T372G   | С           | AC           | +/-          |  |
| rs2071010  | FOLR1 G-20A   | А           | GG           | _/_          |  |
| rs7925545  | FOLR3 A3771G  | G           | AA           | _/_          |  |
| rs7926875  | FOLR3 C7672A  | А           | CC           | _/_          |  |
| rs17851582 | GAMT C9110T   | А           | GG           | _/_          |  |
| rs55776826 | GAMT G7497A   | Т           | CC           | _/_          |  |
| rs2273684  | GSS A18836C   | G           | TG           | +/-          |  |
| rs6088659  | GSS A5997G  | С           | CC           | +/+          |  |
| rs28936396 | GSS C373T   | А           | GG           | _/_          |  |
| rs6060124  | GSS G11705T   | А           | 00           | _/_          |  |
| rs2993763  | MAT1A C1131T  | А           | GG           | _/_          |  |
| rs4934028  | MAT1A C15656T   | А           | GG           | _/_          |  |
| rs72558181 | MAT1A G19502A   | Т           | CC           | _/_          |  |
| rs1985908  | MAT1A T*1297C   | G           | AG           | +/-          |  |
|            |   |             |              |              |  |



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|            | Methylation & Methionine/Homocysteine Pathways (Figure 3) |             |              |              |
|------------|---|-------------|--------------|--------------|
| SNP ID     | SNP Name  | Risk Allele | Your Alleles | Your Results |
| rs2028900  | MAT2A C6635T  | Т           | TC           | +/-          |
| rs4869089  | MAT2B A7755681G   | G           | AG           | +/-          |
| rs1076991  | MTHFD1 C105T  | С           | TC           | +/-          |
| rs2236225  | MTHFD1 R635Q  | А           | AG           | +/-          |
| rs803422   | MTHFD1L A33780G   | G           | GG           | +/+          |
| rs11754661 | MTHFD1L G25264A   | А           | GG           | -/-          |
| rs17349743 | MTHFD1L T31397C   | С           | TT           | -/-          |
| rs1667627  | MTHFD2 C8503T   | Т           | TC           | +/-          |
| rs2066470  | MTHFR 03 P39P   | А           | GG           | -/-          |
| rs4846049  | MTHFR A*372C  | G           | GG           | +/+          |
| rs1801131  | MTHFR A1298C  | G           | TT           | -/-          |
| rs17367504 | MTHFR A1572G  | G           | AA           | -/-          |
| rs3737964  | MTHFR A4117C  | С           | CC           | +/+          |
| rs13306561 | MTHFR A4598G  | А           | AA           | +/+          |
| rs13306560 | MTHFR C-137T  | Т           | CC           | -/-          |
| rs17037390 | MTHFR C10318T   | А           | GG           | -/-          |
| rs4846048  | MTHFR C24909T   | А           | AA           | +/+          |
| rs1801133  | MTHFR C677T   | А           | AG           | +/-          |
| rs17037396 | MTHFR C841T   | Т           | CC           | -/-          |
| rs12121543 | MTHFR G16490T   | А           | CC           | -/-          |
| rs2274976  | MTHFR G1793A (R594Q)                                      | Т           | CC           | -/-          |
| rs1476413  | MTHFR G18861A   | Т           | CC           | -/-          |
| rs6495446  | MTHFS - ST20 MTHFS G39646A                                | Т           | TT           | +/+          |
| rs2733103  | MTHFS - ST20 MTHFS G56057A                                | Т           | CC           | -/-          |
| rs2853522  | MTR A*112C  | А           | CC           | -/-          |
| rs2853523  | MTR A*1254C   | А           | CC           | -/-          |
| rs1050993  | MTR A*1361G   | А           | GG           | -/-          |
| rs11799670 | MTR A*153G  | G           | AA           | -/-          |
| rs1805087  | MTR A2756G  | G           | AA           | -/-          |
| rs2789352  | MTR A50417C   | С           | CC           | +/+          |
| rs10925257 | MTR A92580G   | G           | AA           | -/-          |
| rs7526063  | MTR C18418T   | Т           | CC           | -/-          |
| rs2275568  | MTR C62048T   | Т           | TT           | +/+          |
| rs3820571  | MTR G106853T  | Т           | TT           | +/+          |
| rs2275565  | MTR G95096T   | Т           | GG           | -/-          |
| rs1770449  | MTR T84581C   | С           | TT           | -/-          |
| rs10925235 | MTR T9195C  | С           | CC           | +/+          |
| rs1802059  | MTRR -11 A664A  | А           | AG           | +/-          |
| rs1801394  | MTRR A66G   | G           | AG           | +/-          |



| Methylation & Methionine/Homocysteine Pathways (Figure 3) |                         |             |              |              |
|---|-------------------------|-------------|--------------|--------------|
| SNP ID  | SNP Name                | Risk Allele | Your Alleles | Your Results |
| rs3776455   | MTRR C32295T            | Т           | TC           | +/-          |
| rs1532268   | MTRR C524T              | Т           | TC           | +/-          |
| rs9332  | MTRR G*541A             | А           | GG           | -/-          |
| rs2287779   | MTRR G1155A             | А           | GG           | -/-          |
| rs3776467   | MTRR G12099A            | А           | AG           | +/-          |
| rs7703033   | MTRR G15734A            | А           | AG           | +/-          |
| rs162049  | MTRR G28905A            | G           | AA           | -/-          |
| rs10380   | MTRR H595Y              | Т           | CC           | -/-          |
| rs162036  | MTRR K350A              | G           | AA           | -/-          |
| rs2287780   | MTRR R415T              | Т           | CC           | -/-          |
| rs8659  | MTRR T*662A             | А           | AT           | +/-          |
| rs162031  | MTRR T16071C            | С           | CC           | +/+          |
| rs7298903   | NOS1 A57373G            | С           | TT           | -/-          |
| rs2293054   | NOS1 T2202C             | G           | AG           | +/-          |
| rs2297518   | NOS2 C1823T             | А           | AG           | +/-          |
| rs2248814   | NOS2 T32235C            | G           | AG           | +/-          |
| rs2274894   | NOS2 T836165G           | G           | TG           | +/-          |
| rs1800783   | NOS3 A6251T             | Т           | ТА           | +/-          |
| rs7830  | NOS3 G10T               | Т           | TG           | +/-          |
| rs1800779   | NOS3 G6797A             | А           | AG           | +/-          |
| rs7946  | PEMT G634A              | Т           | TC           | +/-          |
| rs4244593   | PEMT T17023592G         | G           | GG           | +/+          |
| rs9909104   | SHMT1 A23836G           | Т           | TT           | +/+          |
| rs1979277   | SHMT1 C1420T            | А           | GG           | -/-          |
| rs3788200   | SLC19A1 (THTR2) T10815C | G           | AG           | +/-          |
| rs4149452   | SULT2A1 G17136A         | Т           | TC           | +/-          |
| rs2547231   | SULT2A1 G9598T          | А           | AA           | +/+          |
| rs4149449   | SULT2A1 G9696A          | Т           | CC           | -/-          |
| rs526934  | TCN1 G4939288A          | А           | AG           | +/-          |
| rs9606756   | TCN2 A8700G             | G           | AA           | -/-          |
| rs1801198   | TCN2 C766G              | G           | GG           | +/+          |
| rs502396  | <b>TYMS C6633T</b>      | С           | CC           | +/+          |



|            | Transsulfuration Pathwa    | y (Figure 4) |              |              |
|------------|----------------------------|--------------|--------------|--------------|
| SNP ID     | SNP Name                   | Risk Allele  | Your Alleles | Your Results |
| rs28934891 | CBS D44N                   | Т            | CC           | -/-          |
| rs5742905  | CBS I278T                  | G            | AA           | -/-          |
| rs2851391  | CBS A13637G                | С            | TC           | +/-          |
| rs1801181  | CBS A360A                  | А            | AG           | +/-          |
| rs706209   | CBS C*351T                 | А            | AG           | +/-          |
| rs4920037  | CBS C19150T                | А            | AG           | +/-          |
| rs234706   | CBS C699T                  | А            | AG           | +/-          |
| rs12613    | CBS G*299A                 | Т            | CC           | -/-          |
| rs2272306  | CSAD C25411T               | А            | GG           | -/-          |
| rs1145920  | CTH A11886G                | G            | AA           | -/-          |
| rs515064   | CTH A32114G                | G            | AA           | -/-          |
| rs663649   | CTH G25229T                | Т            | GG           | -/-          |
| rs10889869 | CTH G6010A                 | А            | GG           | -/-          |
| rs1021737  | CTH S4031I                 | Т            | GG           | -/-          |
| rs681475   | CTH T8763C                 | С            | TT           | -/-          |
| rs2273684  | GSS A18836C                | G            | TG           | +/-          |
| rs6088659  | GSS A5997G                 | С            | CC           | +/+          |
| rs28936396 | GSS C373T                  | А            | GG           | -/-          |
| rs6060124  | GSS G11705T                | А            | 00           | -/-          |
| rs6495446  | MTHFS - ST20 MTHFS G39646A | Т            | TT           | +/+          |
| rs2733103  | MTHFS - ST20 MTHFS G56057A | Т            | CC           | -/-          |
| rs4149452  | SULT2A1 G17136A            | Т            | TC           | +/-          |
| rs2547231  | SULT2A1 G9598T             | А            | AA           | +/+          |
| rs4149449  | SULT2A1 G9696A             | Т            | CC           | -/-          |



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| SNP ID         SNP Name         Risk Allele         Your Alleles         Your Res           rs11077820         AANAT C10236T         T         TC         +/-           rs3760138         AANAT G18677AT         T         TG         +/-           rs2494732         AKT1 A27890G         C         TC         +/-           rs4767939         ALDH2 A7550G         G         AG         +/-           rs4648328         ALDH2 C23443T         T         TC         +/-           rs4646778         ALDH2 C36438A         A         AC         +/-           rs671         ALDH2 C36438A         A         GG         -/-           rs671         ALDH2 G1369A         A         GG         -/-           rs238152         ALDH2 G15114T         T         TG         +/-           rs238151         ALDH2 T12488C         C         TC         +/-           rs968529         ALDH2 T35023C         C         CC         +/-           rs72547575         ALDH3A2 A1157G         G         AA         -/-           rs72547566         ALDH3A2 C13996T         T         CC         -/-           rs1800869         ALDH3A2 C17571G         G         GG | ults |
|--|------|
| rs3760138       AANAT G18677AT       T       TG       +/-         rs2494732       AKT1 A27890G       C       TC       +/-         rs4767939       ALDH2 A7550G       G       AG       +/-         rs4648328       ALDH2 C23443T       T       TC       +/-         rs4646778       ALDH2 C36438A       A       AC       +/-         rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-  |      |
| rs2494732       AKT1 A27890G       C       TC       +/-         rs4767939       ALDH2 A7550G       G       AG       +/-         rs4648328       ALDH2 C23443T       T       TC       +/-         rs4646778       ALDH2 C36438A       A       AC       +/-         rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/+         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-   |      |
| rs4767939ALDH2 A7550GGAG+/-rs4648328ALDH2 C23443TTTC+/-rs4646778ALDH2 C36438AAAC+/-rs16941667ALDH2 C45068TTCC-/-rs671ALDH2 G1369AAGG-/-rs2238152ALDH2 G15114TTTG+/-rs2238151ALDH2 T12488CCTC+/-rs968529ALDH2 T35023CCCC+/+rs72547575ALDH3A2 A1157GGAA-/-rs72547566ALDH3A2 C13996TTCC-/-  |      |
| rs4648328       ALDH2 C23443T       T       TC       +/-         rs4646778       ALDH2 C36438A       A       AC       +/-         rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-  |      |
| rs4646778       ALDH2 C36438A       A       AC       +/-         rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-  |      |
| rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-   |      |
| rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-   |      |
| rs2238152       ALDH2 G15114T       T       TG       +/-         rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-   |      |
| rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       +/+         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-  |      |
| rs968529         ALDH2 T35023C         C         CC         +/+           rs72547575         ALDH3A2 A1157G         G         AA         -/-           rs72547566         ALDH3A2 C13996T         T         CC         -/-   |      |
| rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-   |      |
| rs72547566 ALDH3A2 C13996T T CC -/-  |      |
|  |      |
| rs1800869 ALDH3A2 C17571G G GG +/+   |      |
|  |      |
| rs72547564 ALDH3A2 G641A A GG -/-  |      |
| rs11599164 ANK3 C666301A T GG -/-  |      |
| rs10994397 ANK3 G219161A T CC -/-  |      |
| rs10994336 ANK3 G318473A T CC -/-  |      |
| rs9804190 ANK3 G658454A T TC +/-   |      |
| rs1938526 ANK3 T197902C G AA -/-   |      |
| rs10761482 ANK3 T62085337C C 00 -/-  |      |
| rs1800497 ANKK1 E713K A GG -/-   |      |
| rs216013 CACNA1C A2729632G G AA -/-  |      |
| rs2159100 CACNA1C C271442T T TC +/-  |      |
| rs1006737 CACNA1C G115699A A AG +/-  |      |
| rs2302729 CACNA1C T709021C C CC +/+  |      |
| rs769224 COMT -61 P199P A GG -/-   |      |
| rs2239393 COMT A 26166G G AA -/-   |      |
| rs6269 COMT A-1324G G AA -/-   |      |
| rs933271 COMT A2953G T CC -/-  |      |
| rs1544325 COMT A7406G G GG +/+   |      |
| rs4646316 COMT C27870T T CC -/-  |      |
| rs174696 COMT C28914T T TT +/+   |      |
| rs174699 COMT C30196T T TT +/+   |      |
| rs9332377 COMT C31430T T CC -/-  |      |
| rs8192488 COMT C438T T CC -/-  |      |
| rs165599 COMT G*522A A AA +/+  |      |
| rs165656 COMT G24601C C CC +/+   |      |
| rs165774 COMT G28299A A AA +/+   |      |



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| Neurotransmitter Pathway: Serotonin & Dopamine (Figure 5) |                 |             |              |              |
|---|-----------------|-------------|--------------|--------------|
| SNP ID  | SNP Name        | Risk Allele | Your Alleles | Your Results |
| rs4633  | COMT H62H       | Т           | TT           | +/+          |
| rs5993883   | COMT T13376G    | G           | GG           | +/+          |
| rs4646312   | COMT T24075C    | С           | TT           | -/-          |
| rs740601  | COMT T26501G    | G           | TT           | -/-          |
| rs4680  | COMT V158M      | А           | AA           | +/+          |
| rs2272306   | CSAD C25411T    | А           | GG           | -/-          |
| rs1611115   | DBH 4031T>C     | С           | TT           | -/-          |
| rs77905   | DBH A1410G      | А           | AG           | +/-          |
| rs1108580   | DBH A486G       | G           | AA           | -/-          |
| rs1108581   | DBH A8757G      | G           | AA           | -/-          |
| rs1611123   | DBH C12599T     | Т           | CC           | -/-          |
| rs129882  | DBH C27185T     | Т           | CC           | -/-          |
| rs1611114   | DBH C3719T      | Т           | CC           | -/-          |
| rs1541332   | DBH G15032A     | А           | AG           | +/-          |
| rs3025382   | DBH G5837A      | А           | GG           | -/-          |
| rs5320  | DBH G631A       | А           | GG           | -/-          |
| rs4531  | DBH G952T       | Т           | GG           | -/-          |
| rs2519152   | DBH T13150C     | С           | TT           | -/-          |
| rs2519154   | DBH T15791C     | С           | TC           | +/-          |
| rs2797853   | DBH T16031C     | G           | CC           | -/-          |
| rs2097628   | DBH T2145C      | А           | AG           | +/-          |
| rs2007153   | DBH T7335C      | С           | TT           | -/-          |
| rs2873804   | DBH T9160C      | С           | TT           | -/-          |
| rs3779084   | DDC A158104G    | G           | AA           | -/-          |
| rs880028  | DDC A159505G    | А           | AA           | +/+          |
| rs1451371   | DDC A85104G     | С           | TC           | +/-          |
| rs3735273   | DDC C186233T    | Т           | TC           | +/-          |
| rs2242041   | DDC G108706C    | G           | CC           | -/-          |
| rs11575542  | DDC G1385A      | Т           | CC           | -/-          |
| rs1451375   | DDC G15443T     | А           | AC           | +/-          |
| rs998850  | DDC G196757C    | С           | GC           | +/-          |
| rs2167364   | DDC T155196C    | Т           | TT           | +/+          |
| rs732215  | DDC T94092G     | С           | AC           | +/-          |
| rs1650697   | DHFR/MSH T-473A | G           | AG           | +/-          |
| rs251937  | DRD1 A9244G     | С           | TT           | -/-          |
| rs686   | DRD1 C7464T     | А           | AG           | +/-          |
| rs5326  | DRD1 G5968A     | Т           | TC           | +/-          |
| rs4532  | DRD1 G6014A     | Т           | TC           | +/-          |
| rs265981  | DRD1 T5262C     | G           | AG           | +/-          |



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| Neurotransmitter Pathway: Serotonin & Dopamine (Figure 5) |                 |             |              |              |
|---|-----------------|-------------|--------------|--------------|
| SNP ID  | SNP Name        | Risk Allele | Your Alleles | Your Results |
| rs4245146   | DRD2 A33029G    | С           | TC           | +/-          |
| rs4648318   | DRD2 A37613G    | С           | TC           | +/-          |
| rs1799978   | DRD2 A4651G     | С           | TT           | -/-          |
| rs1125394   | DRD2 A53817G    | С           | TT           | -/-          |
| rs1079727   | DRD2 A61820G    | С           | TT           | -/-          |
| rs2440390   | DRD2 A64124G    | С           | CC           | +/+          |
| rs10891549  | DRD2 A72555G    | С           | TC           | +/-          |
| rs4938019   | DRD2 A9611G     | С           | TT           | -/-          |
| rs4648317   | DRD2 C19470T    | А           | GG           | -/-          |
| rs17529477  | DRD2 C33935T    | А           | GG           | -/-          |
| rs4620755   | DRD2 C41383T    | А           | AG           | +/-          |
| rs2242592   | DRD2 C71572T    | А           | AG           | +/-          |
| rs2234689   | DRD2 C72519G    | С           | CC           | +/+          |
| rs6277  | DRD2 C957T      | А           | AG           | +/-          |
| rs4581480   | DRD2 G26528A    | Т           | TC           | +/-          |
| rs7125415   | DRD2 G40321A    | Т           | TC           | +/-          |
| rs4436578   | DRD2 G44237A    | Т           | TC           | +/-          |
| rs2471857   | DRD2 G52663A    | Т           | CC           | -/-          |
| rs1079596   | DRD2 G54383A    | Т           | CC           | -/-          |
| rs1079597   | DRD2 G54716A    | Т           | CC           | -/-          |
| rs2283265   | DRD2 G65466T    | А           | CC           | -/-          |
| rs7131056   | DRD2 T21228G    | С           | AA           | -/-          |
| rs12364283  | DRD2 T4047C     | G           | AA           | -/-          |
| rs1076563   | DRD2 T55093G    | С           | AC           | +/-          |
| rs2734838   | DRD2 T64501C    | G           | AG           | +/-          |
| rs6275  | DRD2 T852C      | А           | AG           | +/-          |
| rs167771  | DRD3 C26625T    | А           | AA           | +/+          |
| rs963468  | DRD3 C40013T    | А           | GG           | -/-          |
| rs9828046   | DRD3 C44637T    | А           | GG           | -/-          |
| rs10934256  | DRD3 G17248T    | А           | AC           | +/-          |
| rs1394016   | DRD3 G20405035A | G           | AG           | +/-          |
| rs6280  | DRD3 G25A       | Т           | TC           | +/-          |
| rs1486009   | DRD3 T14368C    | G           | AA           | -/-          |
| rs324029  | DRD3 T21277C    | G           | AG           | +/-          |
| rs9825563   | DRD3 T2680C     | А           | AG           | +/-          |
| rs3773678   | DRD3 T32822C    | G           | GG           | +/+          |
| rs9288993   | DRD3 T43727C    | G           | AA           | -/-          |
| rs916457  | DRD4 C4710T     | Т           | CC           | -/-          |
| rs752306  | DRD4 C5318T     | Т           | CC           | -/-          |
|   |                 |             |              |              |



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| Neurotransmitter Pathway: Serotonin & Dopamine (Figure 5) |                        |             |              |              |
|---|------------------------|-------------|--------------|--------------|
| SNP ID  | SNP Name               | Risk Allele | Your Alleles | Your Results |
| rs3758653   | DRD4 T4095C            | С           | TC           | +/-          |
| rs1800443   | DRD4 T581G             | G           | TT           | -/-          |
| rs3783642   | GCH1 A14340G           | С           | TC           | +/-          |
| rs3783641   | GCH1 A14404T           | А           | TT           | -/-          |
| rs4411417   | GCH1 A53980G           | С           | TT           | _/_          |
| rs8007267   | GCH1 C36378991T        | Т           | CC           | _/_          |
| rs2878168   | GCH1 C53758T           | А           | GG           | -/-          |
| rs3783637   | GCH1 G26425A           | Т           | TC           | +/-          |
| rs9671371   | GCH1 G45908A           | С           | CC           | +/+          |
| rs10483639  | GCH1 G55306457C        | С           | GG           | -/-          |
| rs752688  | GCH1 G62974A           | Т           | CC           | -/-          |
| rs8004018   | GCH1 T23847C           | G           | AG           | +/-          |
| rs5906957   | MAOA A36902G           | G           | GG           | +/+          |
| rs2235186   | MAOA A85020G           | G           | GG           | +/+          |
| rs909525  | MAOA C42794T           | Т           | TT           | +/+          |
| rs5953210   | MAOA G3638A            | А           | AA           | +/+          |
| rs6323  | MAOA R297R/G492T/T941G | Т           | TT           | +/+          |
| rs1137070   | MAOA T1011C/1460C      | С           | CC           | +/+          |
| rs2072743   | MAOA T89113C           | С           | CC           | +/+          |
| rs1799836   | MAOB A118723G          | С           | TT           | -/-          |
| rs10521432  | MAOB C112982T          | G           | GG           | +/+          |
| rs6651806   | MAOB T57758G           | А           | AA           | +/+          |
| rs7298903   | NOS1 A57373G           | С           | TT           | -/-          |
| rs2293054   | NOS1 T2202C            | G           | AG           | +/-          |
| rs2297518   | NOS2 C1823T            | А           | AG           | +/-          |
| rs2248814   | NOS2 T32235C           | G           | AG           | +/-          |
| rs2274894   | NOS2 T836165G          | G           | TG           | +/-          |
| rs1800783   | NOS3 A6251T            | Т           | ТА           | +/-          |
| rs7830  | NOS3 G10T              | Т           | TG           | +/-          |
| rs1800779   | NOS3 G6797A            | А           | AG           | +/-          |
| rs5030853   | PAH A300S              | А           | CC           | -/-          |
| rs5030857   | PAH A403V              | А           | GG           | -/-          |
| rs3817446   | PAH A55562G            | С           | TT           | -/-          |
| rs2037639   | PAH C45031T            | А           | GG           | -/-          |
| rs1718301   | PAH C45188T            | А           | AA           | +/+          |
| rs2245360   | PAH C81837T            | А           | AA           | +/+          |
| rs1801153   | PAH G*187A             | Т           | CC           | -/-          |
| rs772897  | PAH G1155C             | G           | CC           | -/-          |
| rs1722392   | PAH G37636A            | Т           | TT           | +/+          |



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| Neurotransmitter Pathway: Serotonin & Dopamine (Figure 5) |                 |             |              |              |
|---|-----------------|-------------|--------------|--------------|
| SNP ID  | SNP Name        | Risk Allele | Your Alleles | Your Results |
| rs1042503   | PAH G735A       | Т           | CC           | -/-          |
| rs5030855   | PAH IVS10-11G>A | Т           | CC           | -/-          |
| rs5030861   | PAH IVS12+1G>A  | Т           | CC           | -/-          |
| rs5030841   | PAH L48S        | G           | AA           | -/-          |
| rs5030858   | PAH R408W       | А           | GG           | -/-          |
| rs1522307   | PAH T17864C     | G           | AA           | -/-          |
| rs10778209  | PAH T32409C     | G           | AA           | -/-          |
| rs7946  | PEMT G634A      | Т           | TC           | +/-          |
| rs4244593   | PEMT T17023592G | G           | GG           | +/+          |
| rs74315402  | PRNP A117V      | Т           | CC           | -/-          |
| rs74315406  | PRNP A4680516G  | G           | AA           | -/-          |
| rs74315415  | PRNP C4680264T  | Т           | CC           | -/-          |
| rs74315403  | PRNP D178N      | А           | GG           | -/-          |
| rs28933385  | PRNP E200K      | А           | GG           | -/-          |
| rs74315405  | PRNP F198S      | С           | TT           | -/-          |
| rs267606980   | PRNP G127V      | Т           | GG           | -/-          |
| rs74315410  | PRNP G4680258T  | Т           | GG           | -/-          |
| rs398122413   | PRNP G4680499C  | С           | GG           | -/-          |
| rs1800014   | PRNP G4680521A  | А           | GG           | -/-          |
| rs74315413  | PRNP H187R      | G           | AA           | -/-          |
| rs1799990   | PRNP M129V      | G           | AA           | -/-          |
| rs16990018  | PRNP N171S      | G           | AA           | -/-          |
| rs74315401  | PRNP P102L      | Т           | CC           | -/-          |
| rs5568  | SLC6A2 A45583C  | С           | AA           | -/-          |
| rs168924  | SLC6A2 A5003G   | G           | AG           | +/-          |
| rs3785143   | SLC6A2 C10565T  | Т           | CC           | -/-          |
| rs36020   | SLC6A2 C28547T  | Т           | CC           | -/-          |
| rs3785157   | SLC6A2 C45295T  | Т           | TT           | +/+          |
| rs36009   | SLC6A2 C48079T  | Т           | CC           | -/-          |
| rs2242447   | SLC6A2 C51371T  | Т           | TT           | +/+          |
| rs2242446   | SLC6A2 C5884T   | Т           | TT           | +/+          |
| rs1532701   | SLC6A2 G13486A  | А           | AG           | +/-          |
| rs40147   | SLC6A2 G32299A  | А           | AG           | +/-          |
| rs1566652   | SLC6A2 G47034T  | Т           | GG           | -/-          |
| rs998424  | SLC6A2 G47405A  | А           | AA           | +/+          |
| rs3785152   | SLC6A2 T32009C  | С           | CC           | +/+          |
| rs1800887   | SLC6A2 T49048C  | С           | TT           | -/-          |
| rs6347  | SLC6A3 A39132G  | С           | TC           | +/-          |
| rs2617605   | SLC6A3 A8023G   | С           | TT           | -/-          |
|   |                 |             |              |              |



|            | Neurotransmitter Pathway: Seroto | onin & Dopamine (Fi | gure 5)      |              |
|------------|----------------------------------|---------------------|--------------|--------------|
| SNP ID     | SNP Name                         | Risk Allele         | Your Alleles | Your Results |
| rs460000   | SLC6A3 C17719T                   | Т                   | GG           | -/-          |
| rs6350     | SLC6A3 C7345T                    | А                   | GG           | -/-          |
| rs27048    | SLC6A3 G37899A                   | Т                   | TC           | +/-          |
| rs11133767 | SLC6A3 G48964A                   | Т                   | CC           | -/-          |
| rs40184    | SLC6A3 G55467A                   | Т                   | TT           | +/+          |
| rs27072    | SLC6A3 G56022A                   | Т                   | TC           | +/-          |
| rs403636   | SLC6A3 T12190G                   | С                   | AC           | +/-          |
| rs464049   | SLC6A3 T26639C                   | G                   | AA           | -/-          |
| rs1042098  | SLC6A3 T55729C                   | G                   | AG           | +/-          |
| rs28934581 | TH A733C                         | G                   | TT           | -/-          |
| rs28934580 | TH G1010A//R337H                 | Т                   | CC           | -/-          |
| rs2070762  | TH T1090C                        | G                   | GG           | +/+          |
| rs6356     | TH V112M                         | Т                   | TC           | +/-          |



|             | Neurotransmitter Pathway: Glutar | nate & GABA (Fig | ure 6)       |              |
|-------------|----------------------------------|------------------|--------------|--------------|
| SNP ID      | SNP Name                         | Risk Allele      | Your Alleles | Your Results |
| rs769395    | GAD1 (GAD) A48604A               | А                | AG           | +/-          |
| rs2241165   | GAD1 (GAD) C10180T               | Т                | TC           | +/-          |
| rs3828275   | GAD1 (GAD) C14541T               | Т                | TC           | +/-          |
| rs2241164   | GAD1 (GAD) C18360T               | Т                | TC           | +/-          |
| rs12185692  | GAD1 (GAD) C2627A                | А                | AC           | +/-          |
| rs701492    | GAD1 (GAD) C34281T               | Т                | TC           | +/-          |
| rs769407    | GAD1 (GAD) G25509C               | С                | CG           | +/-          |
| rs3791878   | GAD1 (GAD) G3992T                | Т                | GG           | -/-          |
| rs3749034   | GAD1 (GAD) G5276A                | А                | AG           | +/-          |
| rs2058725   | GAD1 (GAD) T21922C               | С                | TC           | +/-          |
| rs3791851   | GAD1 (GAD) T30473C               | С                | TC           | +/-          |
| rs1805398   | GAD2 (GAD) G26474809T            | Т                | GG           | -/-          |
| rs74315402  | PRNP A117V                       | Т                | CC           | -/-          |
| rs74315406  | PRNP A4680516G                   | G                | AA           | _/_          |
| rs74315415  | PRNP C4680264T                   | Т                | CC           | _/_          |
| rs74315403  | PRNP D178N                       | А                | GG           | _/_          |
| rs28933385  | PRNP E200K                       | А                | GG           | _/_          |
| rs74315405  | PRNP F198S                       | С                | TT           | _/_          |
| rs267606980 | PRNP G127V                       | Т                | GG           | _/_          |
| rs74315410  | PRNP G4680258T                   | Т                | GG           | -/-          |
| rs398122413 | PRNP G4680499C                   | С                | GG           | _/_          |
| rs1800014   | PRNP G4680521A                   | А                | GG           | _/_          |
| rs74315413  | PRNP H187R                       | G                | AA           | -/-          |
| rs1799990   | PRNP M129V                       | G                | AA           | _/_          |
| rs16990018  | PRNP N171S                       | G                | AA           | _/_          |
| rs74315401  | PRNP P102L                       | Т                | CC           | -/-          |



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| COMT Activity (Figure 7) |                   |             |              |              |  |
|--------------------------|-------------------|-------------|--------------|--------------|--|
| SNP ID                   | SNP Name          | Risk Allele | Your Alleles | Your Results |  |
| rs2494732                | AKT1 A27890G      | С           | TC           | +/-          |  |
| rs4767939                | ALDH2 A7550G      | G           | AG           | +/-          |  |
| rs4648328                | ALDH2 C23443T     | Т           | TC           | +/-          |  |
| rs4646778                | ALDH2 C36438A     | А           | AC           | +/-          |  |
| rs16941667               | ALDH2 C45068T     | Т           | CC           | -/-          |  |
| rs671                    | ALDH2 G1369A      | А           | GG           | -/-          |  |
| rs2238152                | ALDH2 G15114T     | Т           | TG           | +/-          |  |
| rs2238151                | ALDH2 T12488C     | С           | TC           | +/-          |  |
| rs968529                 | ALDH2 T35023C     | С           | CC           | +/+          |  |
| rs72547575               | ALDH3A2 A1157G    | G           | AA           | -/-          |  |
| rs72547566               | ALDH3A2 C13996T   | Т           | CC           | -/-          |  |
| rs1800869                | ALDH3A2 C17571G   | G           | GG           | +/+          |  |
| rs72547564               | ALDH3A2 G641A     | А           | GG           | -/-          |  |
| rs11599164               | ANK3 C666301A     | Т           | GG           | -/-          |  |
| rs10994397               | ANK3 G219161A     | Т           | CC           | -/-          |  |
| rs10994336               | ANK3 G318473A     | Т           | CC           | -/-          |  |
| rs9804190                | ANK3 G658454A     | Т           | TC           | +/-          |  |
| rs1938526                | ANK3 T197902C     | G           | AA           | -/-          |  |
| rs10761482               | ANK3 T62085337C   | С           | 00           | -/-          |  |
| rs1800497                | ANKK1 E713K       | А           | GG           | -/-          |  |
| rs216013                 | CACNA1C A2729632G | G           | AA           | -/-          |  |
| rs2159100                | CACNA1C C271442T  | Т           | TC           | +/-          |  |
| rs1006737                | CACNA1C G115699A  | А           | AG           | +/-          |  |
| rs2302729                | CACNA1C T709021C  | С           | CC           | +/+          |  |
| rs769224                 | COMT -61 P199P    | А           | GG           | -/-          |  |
| rs2239393                | COMT A 26166G     | G           | AA           | -/-          |  |
| rs6269                   | COMT A-1324G      | G           | AA           | -/-          |  |
| rs933271                 | COMT A2953G       | Т           | CC           | -/-          |  |
| rs1544325                | COMT A7406G       | G           | GG           | +/+          |  |
| rs4646316                | COMT C27870T      | Т           | CC           | -/-          |  |
| rs174696                 | COMT C28914T      | Т           | TT           | +/+          |  |
| rs174699                 | COMT C30196T      | Т           | TT           | +/+          |  |
| rs9332377                | COMT C31430T      | Т           | CC           | -/-          |  |
| rs8192488                | COMT C438T        | Т           | CC           | -/-          |  |
| rs165599                 | COMT G*522A       | А           | AA           | +/+          |  |
| rs165656                 | COMT G24601C      | С           | CC           | +/+          |  |
| rs165774                 | COMT G28299A      | А           | AA           | +/+          |  |
| rs4633                   | COMT H62H         | Т           | TT           | +/+          |  |
| rs5993883                | COMT T13376G      | G           | GG           | +/+          |  |



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|            | COMT Activity   | v (Figure 7) |              |              |
|------------|-----------------|--------------|--------------|--------------|
| SNP ID     | SNP Name        | Risk Allele  | Your Alleles | Your Results |
| rs4646312  | COMT T24075C    | С            | TT           | _/_          |
| rs740601   | COMT T26501G    | G            | TT           | _/_          |
| rs4680     | COMT V158M      | А            | AA           | +/+          |
| rs1799814  | CYP1A1*4 C2453A | Т            | GG           | _/_          |
| rs1056836  | CYP1B1 L432V    | G            | CC           | _/_          |
| rs1800440  | CYP1B1 N453S    | С            | TT           | _/_          |
| rs1611115  | DBH 4031T>C     | С            | TT           | -/-          |
| rs77905    | DBH A1410G      | А            | AG           | +/-          |
| rs1108580  | DBH A486G       | G            | AA           | -/-          |
| rs1108581  | DBH A8757G      | G            | AA           | _/_          |
| rs1611123  | DBH C12599T     | Т            | CC           | _/_          |
| rs129882   | DBH C27185T     | Т            | CC           | _/_          |
| rs1611114  | DBH C3719T      | Т            | CC           | _/_          |
| rs1541332  | DBH G15032A     | А            | AG           | +/-          |
| rs3025382  | DBH G5837A      | А            | GG           | -/-          |
| rs5320     | DBH G631A       | А            | GG           | _/_          |
| rs4531     | DBH G952T       | Т            | GG           | -/-          |
| rs2519152  | DBH T13150C     | С            | TT           | -/-          |
| rs2519154  | DBH T15791C     | С            | TC           | +/-          |
| rs2797853  | DBH T16031C     | G            | CC           | -/-          |
| rs2097628  | DBH T2145C      | А            | AG           | +/-          |
| rs2007153  | DBH T7335C      | С            | TT           | -/-          |
| rs2873804  | DBH T9160C      | С            | TT           | -/-          |
| rs251937   | DRD1 A9244G     | С            | TT           | -/-          |
| rs686      | DRD1 C7464T     | А            | AG           | +/-          |
| rs5326     | DRD1 G5968A     | Т            | TC           | +/-          |
| rs4532     | DRD1 G6014A     | Т            | TC           | +/-          |
| rs265981   | DRD1 T5262C     | G            | AG           | +/-          |
| rs4245146  | DRD2 A33029G    | С            | TC           | +/-          |
| rs4648318  | DRD2 A37613G    | С            | TC           | +/-          |
| rs1799978  | DRD2 A4651G     | С            | TT           | -/-          |
| rs1125394  | DRD2 A53817G    | С            | TT           | -/-          |
| rs1079727  | DRD2 A61820G    | С            | TT           | -/-          |
| rs2440390  | DRD2 A64124G    | С            | CC           | +/+          |
| rs10891549 | DRD2 A72555G    | С            | TC           | +/-          |
| rs4938019  | DRD2 A9611G     | С            | TT           | -/-          |
| rs4648317  | DRD2 C19470T    | А            | GG           | -/-          |
| rs17529477 | DRD2 C33935T    | А            | GG           | -/-          |
| rs4620755  | DRD2 C41383T    | А            | AG           | +/-          |



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| COMT Activity (Figure 7) |                        |             |              |              |  |
|--------------------------|------------------------|-------------|--------------|--------------|--|
| SNP ID                   | SNP Name               | Risk Allele | Your Alleles | Your Results |  |
| rs2242592                | DRD2 C71572T           | А           | AG           | +/-          |  |
| rs2234689                | DRD2 C72519G           | С           | CC           | +/+          |  |
| rs6277                   | DRD2 C957T             | А           | AG           | +/-          |  |
| rs4581480                | DRD2 G26528A           | Т           | TC           | +/-          |  |
| rs7125415                | DRD2 G40321A           | Т           | TC           | +/-          |  |
| rs4436578                | DRD2 G44237A           | Т           | TC           | +/-          |  |
| rs2471857                | DRD2 G52663A           | Т           | CC           | -/-          |  |
| rs1079596                | DRD2 G54383A           | Т           | CC           | _/_          |  |
| rs1079597                | DRD2 G54716A           | Т           | CC           | _/_          |  |
| rs2283265                | DRD2 G65466T           | А           | CC           | _/_          |  |
| rs7131056                | DRD2 T21228G           | С           | AA           | _/_          |  |
| rs12364283               | DRD2 T4047C            | G           | AA           | _/_          |  |
| rs1076563                | DRD2 T55093G           | С           | AC           | +/-          |  |
| rs2734838                | DRD2 T64501C           | G           | AG           | +/-          |  |
| rs6275                   | DRD2 T852C             | А           | AG           | +/-          |  |
| rs167771                 | DRD3 C26625T           | А           | AA           | +/+          |  |
| rs963468                 | DRD3 C40013T           | А           | GG           | _/_          |  |
| rs9828046                | DRD3 C44637T           | А           | GG           | _/_          |  |
| rs10934256               | DRD3 G17248T           | А           | AC           | +/-          |  |
| rs1394016                | DRD3 G20405035A        | G           | AG           | +/-          |  |
| rs6280                   | DRD3 G25A              | Т           | TC           | +/-          |  |
| rs1486009                | DRD3 T14368C           | G           | AA           | _/_          |  |
| rs324029                 | DRD3 T21277C           | G           | AG           | +/-          |  |
| rs9825563                | DRD3 T2680C            | А           | AG           | +/-          |  |
| rs3773678                | DRD3 T32822C           | G           | GG           | +/+          |  |
| rs9288993                | DRD3 T43727C           | G           | AA           | _/_          |  |
| rs916457                 | DRD4 C4710T            | Т           | CC           | _/_          |  |
| rs752306                 | DRD4 C5318T            | Т           | CC           | _/_          |  |
| rs3758653                | DRD4 T4095C            | С           | TC           | +/-          |  |
| rs1800443                | DRD4 T581G             | G           | TT           | -/-          |  |
| rs5906957                | MAOA A36902G           | G           | GG           | +/+          |  |
| rs2235186                | MAOA A85020G           | G           | GG           | +/+          |  |
| rs909525                 | MAOA C42794T           | Т           | TT           | +/+          |  |
| rs5953210                | MAOA G3638A            | А           | AA           | +/+          |  |
| rs6323                   | MAOA R297R/G492T/T941G | Т           | TT           | +/+          |  |
| rs1137070                | MAOA T1011C/1460C      | С           | CC           | +/+          |  |
| rs2072743                | MAOA T89113C           | С           | CC           | +/+          |  |
| rs1799836                | MAOB A118723G          | С           | TT           | -/-          |  |
| rs10521432               | MAOB C112982T          | G           | GG           | +/+          |  |



|            | COMT Activity    | (Figure 7)  |              |              |
|------------|------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name         | Risk Allele | Your Alleles | Your Results |
| rs6651806  | MAOB T57758G     | А           | AA           | +/+          |
| rs5030853  | PAH A300S        | А           | CC           | -/-          |
| rs5030857  | PAH A403V        | А           | GG           | -/-          |
| rs3817446  | PAH A55562G      | С           | TT           | -/-          |
| rs2037639  | PAH C45031T      | А           | GG           | -/-          |
| rs1718301  | PAH C45188T      | А           | AA           | +/+          |
| rs2245360  | PAH C81837T      | А           | AA           | +/+          |
| rs1801153  | PAH G*187A       | Т           | CC           | -/-          |
| rs772897   | PAH G1155C       | G           | CC           | -/-          |
| rs1722392  | PAH G37636A      | Т           | TT           | +/+          |
| rs1042503  | PAH G735A        | Т           | CC           | -/-          |
| rs5030855  | PAH IVS10-11G>A  | Т           | CC           | -/-          |
| rs5030861  | PAH IVS12+1G>A   | Т           | CC           | -/-          |
| rs5030841  | PAH L48S         | G           | AA           | -/-          |
| rs5030858  | PAH R408W        | А           | GG           | -/-          |
| rs1522307  | PAH T17864C      | G           | AA           | -/-          |
| rs10778209 | PAH T32409C      | G           | AA           | -/-          |
| rs28934581 | TH A733C         | G           | TT           | -/-          |
| rs28934580 | TH G1010A//R337H | Т           | CC           | -/-          |
| rs2070762  | TH T1090C        | G           | GG           | +/+          |
| rs6356     | TH V112M         | Т           | TC           | +/-          |



AncestryDNAv2

| SNP ID         SNP Name         Rick Allele         Your Alleles         Your Results           rs4767939         ALDH2 A7550G         G         AG         +/-           rs4648328         ALDH2 C23443T         T         TC         +/-           rs4646778         ALDH2 C36438A         A         AC         +/-           rs671         ALDH2 G1369A         A         GG         -/-           rs238152         ALDH2 G15114T         T         TG         +/-           rs968529         ALDH2 T35023C         C         C         -/-           rs72547575         ALDH3A2 C1396T         T         CC         -/-           rs72547566         ALDH3A2 C1396T         T         CC         -/-           rs1800869         ALDH3A2 C1396T         T         CC         -/-           rs172547564         ALDH3A2 C1396T         T         CC         -/-           rs1800869         ALDH3A2 C13771G         G         GG         -/-         -/-           rs1800869         ALDH3A2 C13791T         T         CC         -/-         -/-           rs1800869         GLDH3A2 C137891T         T         CC         -/-         -/-           rs1800767 |            | Mitochondrial Func | tion (Figure 8) |              |              |
|--|------------|--------------------|-----------------|--------------|--------------|
| rs4648328       ALDH2 C23443T       T       TC       #/-         rs4646778       ALDH2 C36438A       A       AC       #/-         rs16941667       ALDH2 C3698T       T       CC       #/-         rs671       ALDH2 G139A       A       GG       #/-         rs6238152       ALDH2 G15114T       T       TG       #/-         rs696829       ALDH2 T12488C       C       TC       #/-         rs72547575       ALDH3A2 C13996T       T       CC       #/-         rs72547564       ALDH3A2 C13996T       T       CC       #/-         rs72547564       ALDH3A2 C17571G       G       GG       #/+         rs72547564       ALDH3A2 C641A       A       GG       #/-         rs72547564       ALDH3A2 C641A       A       GG       #/-         rs72547564       ALDH3A2 C641A       A       GG       #/-         rs7253262       DMGDH T372G       C       AC       #/-         rs783641       GCH1 14340G       C       T       -/-         rs78383621       GAMT C7497A       T       CC       -/-         rs783783641       GCH1 C357891T       T       CC       -/-  | SNP ID     | SNP Name           | Risk Allele     | Your Alleles | Your Results |
| rs4646778       ALDH2 C36438A       A       AC       +/-         rs16941667       ALDH2 C13608T       T       CC       -/-         rs671       ALDH2 G1314T       T       CC       -/-         rs238152       ALDH2 G15114T       T       TG       +/-         rs968529       ALDH2 T35023C       C       CC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C13996T       C       CT       +/-         rs1800869       ALDH3A2 G1499A       A       GG       -/-         rs23252       DMGDHJ T372G       C       AC       +/-         rs178541582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs5378641       GCH1 A1340G       C       TT       -/-   | rs4767939  | ALDH2 A7550G       | G               | AG           | +/-          |
| rs16941667       ALDH2 C45068T       T       CC       -/-         rs671       ALDH2 G13199A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       TG       +/-         rs238151       ALDH2 T12488C       C       C       -/-         rs968529       ALDH3 T12488C       C       C       -/-         rs72547575       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C13996T       T       CC       -/-         rs12547564       ALDH3A2 C13996T       C       CC       -/-         rs1800869       ALDH3A2 C13971G       G       GG       -/-       -/-         rs12547564       ALDH3A2 C641A       A       GG       -/-       -/-       -/-         rs1244422       ATPS-17838932C>T       C       TC       +/-       -/   | rs4648328  | ALDH2 C23443T      | Т               | TC           | +/-          |
| rs671       ALDH2 G1369A       A       GG       -/-         rs2238152       ALDH2 G15114T       T       T       G       +/-         rs988529       ALDH2 T3203C       C       C       TC       +/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C13996T       T       CC       -/-         rs72547564       ALDH3A2 C61A       A       GG       -/-         rs1244422       ATP5c1 783893CC>T       C       TC       +/-         rs1253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT C9110T       A       GG       -/-         rs5776826       GAMT C9110T       A       T       CC       -/-         rs5776826       GAMT C9107A       T       CC   | rs4646778  | ALDH2 C36438A      | А               | AC           | +/-          |
| rs2238152       ALDH2 G15114T       T       TG       +/-         rs238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       (-/-         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C17571G       G       GG       -/-         rs1244422       ATP5c17838932C>T       C       AC       +/-         rs253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs783641       GCH1 A14404T       A       T       -/-         rs783641       GCH1 A14404T       A       T       -/-         rs8007267       GCH1 C3637891T       T       CC       -/-         rs8007267       GCH1 C3637891T       T       CC       -/-         rs8007267       GCH1 C3637891T       T       CC       -/-         rs752888       GCH1 G26425A       T       T       C <tr< td=""><td>rs16941667</td><td>ALDH2 C45068T</td><td>Т</td><td>CC</td><td>_/_</td></tr<>     | rs16941667 | ALDH2 C45068T      | Т               | CC           | _/_          |
| rs2238151       ALDH2 T12488C       C       TC       +/-         rs968529       ALDH2 T35023C       C       CC       T         rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs800869       ALDH3A2 C17571G       G       GG       F/+         rs1800869       ALDH3A2 C17571G       G       GG       G       +/-         rs124422       ATP5c1 7838932C>T       C       TC       +/-         rs253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT G7497A       T       CC       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs53783642       GCH1 A14404T       A       TT       -/-         rs411417       GCH1 2537S8T       A       GG       -/-         rs7857688       GCH1 C537S8T       A       GG       -/-         rs7857684       GCH1 G5306457C       C       GG       -/-         rs8007267       GCH1 G5306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 G5373T       A       GG       -/-  | rs671      | ALDH2 G1369A       | А               | GG           | _/_          |
| rs968529         ALDH2 T35023C         C         CC         4/+           rs72547575         ALDH3A2 A1157G         G         AA         -/-           rs72547576         ALDH3A2 C13996T         T         CC         -/-           rs1800869         ALDH3A2 C13996T         T         CC         -/-           rs12547564         ALDH3A2 C17571G         G         GG         -/-           rs12547564         ALDH3A2 C17571G         C         TC         +/-           rs12547564         ALDH3A2 C17571G         C         TC         +/-           rs1244422         ATP5c1 7838932C>T         C         TC         +/-           rs5253262         DMGDH T372G         C         AC         +/-           rs5776826         GAMT G7497A         T         CC         -/-           rs7838641         GCH1 A14340G         C         TC         +/-           rs788062         G         T         TC         -/-           rs8007267         GCH1 C35378T         A         GG         -/-           rs807368         GCH1 C35378T         A         GG         -/-           rs8071371         GCH1 G45908A         C         CC         -/-            | rs2238152  | ALDH2 G15114T      | Т               | TG           | +/-          |
| rs72547575       ALDH3A2 A1157G       G       AA       -/-         rs72547566       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C17571G       G       GG       +/-         rs72547564       ALDH3A2 C614A       A       GG       -/-         rs1244422       ATP5c1 7838932C>T       C       C       -/-         rs253562       DMGDH T372G       C       AC       +/-         rs5776826       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs58776826       GAMT G7497A       T       CC       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs58776826       GCH1 A14340G       C       TT       -/-         rs58776826       GCH1 C36378991T       T       CC       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs8063639       GCHI G53506457C       C       GG       -/-         rs9671371       GCHI G45908A       C       C       -/-  | rs2238151  | ALDH2 T12488C      | С               | TC           | +/-          |
| rs72547566       ALDH3A2 C13996T       T       CC       -/-         rs1800869       ALDH3A2 C17571G       G       GG       +/+         rs72547564       ALDH3A2 G641A       A       GG       -/-         rs1244422       ATP5c17838932C>T       C       TC       +/-         rs253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TT       -/-         rs3783641       GCH1 C35378991T       T       CC       -/-         rs807267       GCH1 C36378991T       T       CC       -/-         rs878368       GCH1 C53758T       A       GG       -/-         rs9671371       GCHI G45908A       C       CC       +/-         rs9671371       GCHI G53506457C       C       GG       -/-         rs1043639       GCHI G53506457C       C       GG       AG       +/-         rs20288       GCHI G2974A       T       CC       -/-       -/-         rs6080124       GSS G1705T       A       GG<   | rs968529   | ALDH2 T35023C      | С               | CC           | +/+          |
| rs1800869ALDH3A2 C17571GGGGGG+/+rs72547564ALDH3A2 G641AAGG-/-rs1244422ATP5c1 7838932C>TCTC+/-rs253262DMGDH T372GCAC+/-rs17851582GAMT C9110TAGG-/-rs5776826GAMT G7497ATCC-/-rs3783642GCH1 Al4340GCTC+/-rs3783641GCH1 Al4404TATT-/-rs4111417GCH1 A53980GCTT-/-rs8007267GCH1 C36378991TTCC-/-rs8783637GCH1 G26425ATTC+/-rs752688GCH1 G5306457CCGG-/-rs8004018GCH1 G2974ATCC-/-rs8004018GCH1 G2874ATCC-/-rs608659GSS A5997GCCC4/-rs608659GSS GS A5997GCCC4/-rs6060124GSS G173TAGG-/-rs75258181MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/-rs1985908MAT1A C15656TAGG-/   | rs72547575 | ALDH3A2 A1157G     | G               | AA           | _/_          |
| rs72547564       ALDH3A2 G641A       A       GG       -/-         rs1244422       ATP5c1 7838932C>T       C       TC       +/-         rs2253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A1430G       C       TT       -/-         rs411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs8007267       GCH1 G26425A       T       TC       +/-         rs8071371       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G26425A       T       CC       -/-         rs90611371       GCH1 G26425A       T       CC       -/-         rs10483639       GCH1 G26425A       T       CC       -/-         rs10483639       GCH1 G26425A       T       CC       -/-         rs527384       GSS A18836C       G       G       -/-  | rs72547566 | ALDH3A2 C13996T    | Т               | CC           | _/_          |
| rs1244422       ATP5c1 7838932C>T       C       TC       +/-         rs2253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs5776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A14404T       A       TT       -/-         rs4111417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C5378891T       T       CC       -/-         rs807267       GCH1 C53758T       A       GG       -/-         rs9671371       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       -/-         rs752688       GCH1 G26425A       T       CC       -/-         rs10483639       GCH1 G26425A       T       CC       -/-         rs752688       GCH1 G26425A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       -/-         <  | rs1800869  | ALDH3A2 C17571G    | G               | GG           | +/+          |
| rs2253262       DMGDH T372G       C       AC       +/-         rs17851582       GAMT C9110T       A       GG       -/-         rs55776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A14340G       C       TT       -/-         rs4111417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs8783637       GCH1 C36378991T       T       CC       -/-         rs8783637       GCH1 C36378991T       T       CC       -/-         rs8783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G26425A       T       TC       +/-         rs8084018       GCH1 G2974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs8004018       GSS A18836C       G       TG       +/-         rs8004018       GSS C373T       A       GG       -/-         rs6088659       GSS C373T       A       GG       -/-         <  | rs72547564 | ALDH3A2 G641A      | А               | GG           | _/_          |
| rs17851582       GAMT C9110T       A       GG       -/-         rs55776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A14404T       A       TT       -/-         rs411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs807267       GCH1 C36378991T       T       CC       -/-         rs807267       GCH1 C3637891T       T       CC       -/-         rs807171       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       4/+         rs752688       GCH1 G55306457C       C       GG       -/-         rs8004018       GCH1 T23847C       G       AGG       -/-         rs8004018       GSS A18836C       G       TG       +/-         rs8004018       GSS C373T       A       GG       -/-         rs6088659       GSS C373T       A       GG       -/-         rs6088659       GSS C373T       A       GG       -/-         rs  | rs1244422  | ATP5c1 7838932C>T  | С               | TC           | +/-          |
| rs55776826       GAMT G7497A       T       CC       -/-         rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A14404T       A       TT       -/-         rs4411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs2878168       GCH1 C353758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G5306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs6088659       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs60806124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A T*1297C       G       AG       -/-   | rs2253262  | DMGDH T372G        | С               | AC           | +/-          |
| rs3783642       GCH1 A14340G       C       TC       +/-         rs3783641       GCH1 A14404T       A       TT       -/-         rs4411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs2878168       GCH1 C363758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs6088659       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs60806124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A T*1297C       G       AG       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-   | rs17851582 | GAMT C9110T        | А               | GG           | _/_          |
| rs3783641       GCH1 A14404T       A       TT       -/-         rs4411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs878168       GCH1 C53758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G55306457C       C       GG       -/-         rs10483639       GCH1 G55306457C       C       GG       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A C15656T       T       CC       -/-         rs4934028       MAT1A C15656T       T       CC       -/-         rs1985908       MAT1A T14297C       G       AG       +/-  | rs55776826 | GAMT G7497A        | Т               | CC           | _/_          |
| rs4411417       GCH1 A53980G       C       TT       -/-         rs8007267       GCH1 C36378991T       T       CC       -/-         rs2878168       GCH1 C53758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       +/+         rs10483639       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AGG       +/-         rs1985908       MAT1A T*1297C       G       AGG       +/-         rs2028900       MAT2A C6635T       T       T       TC       +/-  | rs3783642  | GCH1 A14340G       | С               | TC           | +/-          |
| rs8007267       GCH1 C36378991T       T       CC       -/-         rs2878168       GCH1 C33758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       +/+         rs10483639       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 T23847C       G       AG       +/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs6088659       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A T1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs469089       MAT2B A7755681G       G       AG       +/-         rs406918       MAT2B A7755681G       G       AG       +/-  | rs3783641  | GCH1 A14404T       | А               | TT           | -/-          |
| rs2878168       GCH1 C53758T       A       GG       -/-         rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       +/+         rs10483639       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs273684       GSS A18836C       G       TG       +/-         rs6088659       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A C15656T       T       CC       -/-         rs1985908       MAT1A T1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         <  | rs4411417  | GCH1 A53980G       | С               | TT           | _/_          |
| rs3783637       GCH1 G26425A       T       TC       +/-         rs9671371       GCH1 G45908A       C       CC       4/+         rs10483639       GCH1 G55306457C       C       GGG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs72558181       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-  | rs8007267  | GCH1 C36378991T    | Т               | CC           | -/-          |
| rs9671371       GCH1 G45908A       C       CC       +/+         rs10483639       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs2878168  | GCH1 C53758T       | А               | GG           | -/-          |
| rs10483639       GCH1 G55306457C       C       GG       -/-         rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs1985908       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs3783637  | GCH1 G26425A       | Т               | TC           | +/-          |
| rs752688       GCH1 G62974A       T       CC       -/-         rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs4934028       MAT1A C1131T       A       GG       -/-         rs72558181       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs9671371  | GCH1 G45908A       | С               | CC           | +/+          |
| rs8004018       GCH1 T23847C       G       AG       +/-         rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs469089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs10483639 | GCH1 G55306457C    | С               | GG           | -/-          |
| rs2273684       GSS A18836C       G       TG       +/-         rs6088659       GSS A5997G       C       CC       +/+         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs1985908       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4669089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs752688   | GCH1 G62974A       | Т               | CC           | -/-          |
| rs6088659       GSS A5997G       C       CC       +++         rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4669089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs8004018  | GCH1 T23847C       | G               | AG           | +/-          |
| rs28936396       GSS C373T       A       GG       -/-         rs6060124       GSS G11705T       A       00       -/-         rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs2273684  | GSS A18836C        | G               | TG           | +/-          |
| rs6060124       GSS G11705T       A       00       -/-         rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs6088659  | GSS A5997G         | С               | CC           | +/+          |
| rs2993763       MAT1A C1131T       A       GG       -/-         rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs28936396 | GSS C373T          | А               | GG           | _/_          |
| rs4934028       MAT1A C15656T       A       GG       -/-         rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs6060124  | GSS G11705T        | А               | 00           | -/-          |
| rs72558181       MAT1A G19502A       T       CC       -/-         rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs2993763  | MAT1A C1131T       | А               | GG           | -/-          |
| rs1985908       MAT1A T*1297C       G       AG       +/-         rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-  | rs4934028  | MAT1A C15656T      | А               | GG           | -/-          |
| rs2028900       MAT2A C6635T       T       TC       +/-         rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs72558181 | MAT1A G19502A      | Т               | CC           | -/-          |
| rs4869089       MAT2B A7755681G       G       AG       +/-         rs1076991       MTHFD1 C105T       C       TC       +/-         rs2236225       MTHFD1 R635Q       A       AG       +/-   | rs1985908  | MAT1A T*1297C      | G               | AG           | +/-          |
| rs1076991         MTHFD1 C105T         C         TC         +/-           rs2236225         MTHFD1 R635Q         A         AG         +/-  | rs2028900  | MAT2A C6635T       | Т               | TC           | +/-          |
| rs2236225 MTHFD1 R635Q A AG +/-  | rs4869089  | MAT2B A7755681G    | G               | AG           | +/-          |
|  | rs1076991  | MTHFD1 C105T       | С               | TC           | +/-          |
| rs803422 MTHED1L A33780G G GG +/+  | rs2236225  | MTHFD1 R635Q       | А               | AG           | +/-          |
|  | rs803422   | MTHFD1L A33780G    | G               | GG           | +/+          |



|            | Mitochondrial Function (Figure 8) |             |              |              |  |
|------------|-----------------------------------|-------------|--------------|--------------|--|
| SNP ID     | SNP Name                          | Risk Allele | Your Alleles | Your Results |  |
| rs11754661 | MTHFD1L G25264A                   | А           | GG           | _/_          |  |
| rs17349743 | MTHFD1L T31397C                   | С           | TT           | -/-          |  |
| rs1667627  | MTHFD2 C8503T                     | Т           | TC           | +/-          |  |
| rs1802059  | MTRR -11 A664A                    | А           | AG           | +/-          |  |
| rs1801394  | MTRR A66G                         | G           | AG           | +/-          |  |
| rs3776455  | MTRR C32295T                      | Т           | TC           | +/-          |  |
| rs1532268  | MTRR C524T                        | Т           | TC           | +/-          |  |
| rs9332     | MTRR G*541A                       | А           | GG           | _/_          |  |
| rs2287779  | MTRR G1155A                       | А           | GG           | -/-          |  |
| rs3776467  | MTRR G12099A                      | А           | AG           | +/-          |  |
| rs7703033  | MTRR G15734A                      | А           | AG           | +/-          |  |
| rs162049   | MTRR G28905A                      | G           | AA           | _/_          |  |
| rs10380    | MTRR H595Y                        | Т           | CC           | _/_          |  |
| rs162036   | MTRR K350A                        | G           | AA           | _/_          |  |
| rs2287780  | MTRR R415T                        | Т           | CC           | _/_          |  |
| rs8659     | MTRR T*662A                       | А           | AT           | +/-          |  |
| rs162031   | MTRR T16071C                      | С           | CC           | +/+          |  |
| rs4147730  | NDUFS3 9866G>A                    | А           | GG           | _/_          |  |
| rs1142530  | NDUFS7 Pro23Leu                   | Т           | TT           | +/+          |  |
| rs11666067 | NDUFS7 Pro355Thr                  | А           | AA           | +/+          |  |
| rs4147776  | NDUFS8 5073A>C                    | С           | AA           | -/-          |  |
| rs2075626  | NDUFS8 6843T>C                    | С           | TT           | -/-          |  |
| rs7298903  | NOS1 A57373G                      | С           | TT           | -/-          |  |
| rs2293054  | NOS1 T2202C                       | G           | AG           | +/-          |  |
| rs2297518  | NOS2 C1823T                       | А           | AG           | +/-          |  |
| rs2248814  | NOS2 T32235C                      | G           | AG           | +/-          |  |
| rs2274894  | NOS2 T836165G                     | G           | TG           | +/-          |  |
| rs1800783  | NOS3 A6251T                       | Т           | TA           | +/-          |  |
| rs7830     | NOS3 G10T                         | Т           | TG           | +/-          |  |
| rs1800779  | NOS3 G6797A                       | А           | AG           | +/-          |  |
| rs7946     | PEMT G634A                        | Т           | TC           | +/-          |  |
| rs4244593  | PEMT T17023592G                   | G           | GG           | +/+          |  |
| rs2758331  | SOD2 406+816G>T                   | А           | AC           | +/-          |  |
| rs4880     | SOD2 V16A                         | G           | AG           | +/-          |  |
| rs2855262  | SOD3 489 C>T                      | С           | TC           | +/-          |  |
| rs6497563  | UQCRC2 7485C>T                    | Т           | TT           | +/+          |  |
|            |                                   |             |              |              |  |



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|             | Pentose Phosphate Pat  | hway (Figure 9) |              |              |
|-------------|------------------------|-----------------|--------------|--------------|
| SNP ID      | SNP Name               | Risk Allele     | Your Alleles | Your Results |
| rs6702820   | DDR2 A162603881G       | G               | AA           | -/-          |
| rs10494373  | DDR2 A162619362C       | С               | AA           | -/-          |
| rs2684866   | DDR2 A162726281C       | С               | CC           | +/+          |
| rs1780007   | DDR2 A162748025C       | С               | CC           | +/+          |
| rs10799854  | DDR2 C162619828T       | Т               | TT           | +/+          |
| rs12044481  | DDR2 G162635875A       | А               | GG           | -/-          |
| rs7553831   | DDR2 T162661011G       | G               | GG           | +/+          |
| rs4559477   | DDR2 T162681151G       | G               | GG           | +/+          |
| rs1650697   | DHFR/MSH T-473A        | G               | AG           | +/-          |
| rs4129219   | FBP1 T97390288C        | С               | TT           | -/-          |
| rs762515    | G6PD A16260G           | С               | TT           | -/-          |
| rs137852331 | G6PD A195A - Class II  | С               | TT           | -/-          |
| rs5030872   | G6PD A211V - Class III | А               | TT           | -/-          |
| rs137852318 | G6PD A312T - Class III | А               | CC           | -/-          |
| rs74575103  | G6PD A315H - Class III | Т               | CC           | -/-          |
| rs5030869   | G6PD A365T - Class II  | Т               | CC           | -/-          |
| rs1050829   | G6PD A376G - Class I   | С               | TT           | -/-          |
| rs137852345 | G6PD A391V - Class I   | А               | GG           | -/-          |
| rs137852329 | G6PD A393L - Class I   | Т               | GG           | -/-          |
| rs137852334 | G6PD A417C - Class I   | А               | GG           | -/-          |
| rs137852321 | G6PD A417H - Class I   | Т               | CC           | -/-          |
| rs137852316 | G6PD A423H - Class I   | Т               | CC           | -/-          |
| rs398123546 | G6PD A454C - Class II  | А               | GG           | -/-          |
| rs137852337 | G6PD A469P - Class II  | Т               | CC           | -/-          |
| rs137852324 | G6PD A484H - Class II  | Т               | CC           | -/-          |
| rs78478128  | G6PD A74G - Class III  | С               | GG           | -/-          |
| rs137852315 | G6PD A88A - Class III  | Т               | CC           | -/-          |
| rs137852346 | G6PD C299T - Class I   | Т               | CC           | -/-          |
| rs137852322 | G6PD C415A - Class I   | G               | AA           | -/-          |
| rs5986990   | G6PD G153761628A       | А               | GG           | -/-          |
| rs137852341 | G6PD G161V - Class III | А               | CC           | -/-          |
| rs137852313 | G6PD G186L - Class III | Т               | CC           | -/-          |
| rs137852314 | G6PD G193S - Class III | Т               | CC           | -/-          |
| rs387906468 | G6PD G398L - Class I   | Т               | CC           | -/-          |
| rs137852336 | G6PD G440A - Class I   | Т               | CC           | -/-          |
| rs137852323 | G6PD G440C - Class I   | А               | CC           | -/-          |
| rs137852317 | G6PD G477A - Class I   | Т               | CC           | -/-          |
| rs137852340 | G6PD H62A - Class III  | С               | TT           | -/-          |
| rs78365220  | G6PD L128P - Class II  | G               | AA           | -/-          |



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|             | Pentose Phosphate Pathway (Figure 9) |             |              |              |  |
|-------------|--------------------------------------|-------------|--------------|--------------|--|
| SNP ID      | SNP Name                             | Risk Allele | Your Alleles | Your Results |  |
| rs137852342 | G6PD L372P - Class III               | А           | GG           | -/-          |  |
| rs137852320 | G6PD L416G - Class I                 | С           | TT           | -/-          |  |
| rs137852343 | G6PD P203L - Class II                | G           | AA           | -/-          |  |
| rs137852319 | G6PD P246L - Class I                 | G           | AA           | -/-          |  |
| rs137852333 | G6PD P383S - Class II                | А           | GG           | _/_          |  |
| rs137852344 | G6PD P497A - Class III               | С           | GG           | -/-          |  |
| rs137852348 | G6PD P511A - Class III               | С           | GG           | -/-          |  |
| rs2230036   | G6PD Q402Q                           | Т           | CC           | -/-          |  |
| rs137852330 | G6PD R198C - Class II                | А           | GG           | _/_          |  |
| rs72554664  | G6PD R493H - Class II                | Т           | CC           | -/-          |  |
| rs5030868   | G6PD S219F - Class II                | А           | GG           | _/_          |  |
| rs137852349 | G6PD T100H - Class II                | G           | AA           | -/-          |  |
| rs137852326 | G6PD V243L - Class I                 | А           | CC           | _/_          |  |
| rs137852327 | G6PD V321M - Class II                | Т           | CC           | -/-          |  |
| rs137852335 | G6PD V424L - Class I                 | G           | CC           | _/_          |  |
| rs1050828   | G6PD V98M - Class III                | Т           | CC           | -/-          |  |
| rs2268169   | H6PD G9321241A                       | А           | AG           | +/-          |  |
| rs6688832   | H6PD G9323910A                       | А           | GG           | -/-          |  |
| rs17368528  | H6PD P554L                           | Т           | TC           | +/-          |  |
| rs9434742   | H6PD Y673Y                           | Т           | TC           | +/-          |  |
| rs1076991   | MTHFD1 C105T                         | С           | TC           | +/-          |  |
| rs2236225   | MTHFD1 R635Q                         | А           | AG           | +/-          |  |
| rs803422    | MTHFD1L A33780G                      | G           | GG           | +/+          |  |
| rs11754661  | MTHFD1L G25264A                      | А           | GG           | -/-          |  |
| rs17349743  | MTHFD1L T31397C                      | С           | TT           | -/-          |  |
| rs1667627   | MTHFD2 C8503T                        | Т           | TC           | +/-          |  |
| rs6495446   | MTHFS - ST20 MTHFS G39646A           | Т           | TT           | +/+          |  |
| rs2733103   | MTHFS - ST20 MTHFS G56057A           | Т           | CC           | -/-          |  |
| rs855315    | PGM1 A64069612G                      | G           | AA           | -/-          |  |
| rs4643      | PGM1 A64125439C                      | С           | AA           | -/-          |  |
| rs2269260   | PGM1 G64085337A                      | А           | GG           | -/-          |  |
| rs2269241   | PGM1 T64108771C                      | С           | TT           | -/-          |  |
| rs7768030   | PHACTR1 12822973A>C                  | С           | AA           | -/-          |  |
| rs9369640   | PHACTR1 12901441C>A                  | С           | AC           | +/-          |  |
| rs9349379   | PHACTR1 12903957A>G                  | G           | AG           | +/-          |  |
| rs4715166   | PHACTR1 13216058A>G                  | G           | GG           | +/+          |  |
| rs202072    | PHACTR1 13268211A>G                  | G           | GG           | +/+          |  |
| rs7062536   | PRPS2 G12839152A                     | А           | GG           | -/-          |  |
| rs4666014   | RBKS G28019175A                      | А           | AG           | +/-          |  |



| Pentose Phosphate Pathway (Figure 9) |                 |             |              |              |
|--------------------------------------|-----------------|-------------|--------------|--------------|
| SNP ID                               | SNP Name        | Risk Allele | Your Alleles | Your Results |
| rs4666020                            | RBKS G28046028A | А           | AG           | +/-          |
| rs3895063                            | TALDO1 G755659A | А           | GG           | -/-          |
| rs4687718                            | TKT A53282303G  | G           | AG           | +/-          |
| rs11130362                           | TKT C53265766T  | Т           | CC           | -/-          |
| rs4687717                            | TKT T53282188C  | С           | CC           | +/+          |
| rs766419                             | TKTL1 A35635G   | G           | AA           | -/-          |
| rs2872817                            | TKTL1 A39392G   | G           | AA           | -/-          |
| rs766420                             | TKTL1 C35378G   | G           | CC           | -/-          |



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|            | Cannabinoid I      | Pathway     |              |              |
|------------|--------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name           | Risk Allele | Your Alleles | Your Results |
| rs1049748  | ABP1 P574P         | С           | CC           | +/+          |
| rs2494732  | AKT1 A27890G       | С           | TC           | +/-          |
| rs6928813  | CNR1 A88861698G    | G           | AA           | -/-          |
| rs806381   | CNR1 A88865901G    | А           | AG           | +/-          |
| rs806378   | CNR1 C88859551T    | Т           | TC           | +/-          |
| rs4707436  | CNR1 G88851751A    | А           | GG           | _/_          |
| rs1049353  | CNR1 T453T         | Т           | CC           | _/_          |
| rs806368   | CNR1 T88850100C    | С           | TT           | _/_          |
| rs12720071 | CNR1 T88851181C    | С           | TT           | -/-          |
| rs806376   | CNR1 T88858648C    | С           | TC           | +/-          |
| rs806377   | CNR1 T88858723C    | С           | TC           | +/-          |
| rs12205430 | CNR1 T88867925C    | С           | TC           | +/-          |
| rs6454674  | CNR1 T88872930G    | Т           | GG           | -/-          |
| rs2501432  | CNR2 G63A          | С           | TC           | +/-          |
| rs9424398  | CNR2 T24221834G    | G           | GG           | +/+          |
| rs3741775  | DAO A14747C        | С           | CC           | +/+          |
| rs3918347  | DAO A24464G        | G           | AA           | -/-          |
| rs2070586  | DAO G8864A         | А           | GG           | -/-          |
| rs2111902  | DAO T9891G         | G           | TT           | -/-          |
| rs492602   | FUT2 A12190G       | G           | GG           | +/+          |
| rs602662   | FUT2 G12758A       | А           | AA           | +/+          |
| rs12150220 | NLRP1 7466T>A      | Т           | AA           | _/_          |
| rs10733113 | NLRP3 247622357A>G | G           | GG           | +/+          |
| rs17221417 | NOD2 13533C>G      | G           | GC           | +/-          |
| rs2066843  | NOD2 19150C>T      | Т           | TC           | +/-          |
| rs5743289  | NOD2 30725C>T      | Т           | TC           | +/-          |
| rs2066845  | NOD2 Gly881Arg     | С           | GG           | -/-          |
| rs2066847  | NOD2 L1007P        | С           | DD           | -/-          |
| rs7967152  | VDR A48244184C     | С           | AA           | -/-          |
| rs4328262  | VDR C18167A        | Т           | TG           | +/-          |
| rs3782905  | VDR C37648G        | С           | GG           | -/-          |
| rs2189480  | VDR C39987A        | Т           | TG           | +/-          |
| rs3847987  | VDR C48238068A     | А           | CC           | -/-          |
| rs757343   | VDR C48239675T     | Т           | CC           | -/-          |
| rs2107301  | VDR C48245T        | А           | GG           | -/-          |
| rs2238136  | VDR C48277713T     | Т           | CC           | -/-          |
| rs11574027 | VDR C48287373A     | А           | CC           | -/-          |
| rs10875695 | VDR C48293037A     | А           | CC           | -/-          |
| rs7299460  | VDR C48296268T     | Т           | CC           | -/-          |
|            |                    |             |              |              |



|            | Cannabinoid Pathway |             |              |              |  |  |
|------------|---------------------|-------------|--------------|--------------|--|--|
| SNP ID     | SNP Name            | Risk Allele | Your Alleles | Your Results |  |  |
| rs739837   | VDR C65594A         | Т           | GG           | -/-          |  |  |
| rs3890733  | VDR G14442A         | Т           | TC           | +/-          |  |  |
| rs4760648  | VDR G23150A         | С           | CC           | +/+          |  |  |
| rs2238135  | VDR G25625C         | G           | CC           | -/-          |  |  |
| rs12721370 | VDR G41742T         | А           | CC           | -/-          |  |  |
| rs12717991 | VDR G44689A         | Т           | TC           | +/-          |  |  |
| rs1540339  | VDR G46489A         | Т           | TC           | +/-          |  |  |
| rs2239185  | VDR G48244559A      | А           | GG           | -/-          |  |  |
| rs886441   | VDR G48262964A      | А           | AG           | +/-          |  |  |
| rs10783218 | VDR G48272743A      | А           | GG           | -/-          |  |  |
| rs2254210  | VDR G48273714A      | А           | AA           | +/+          |  |  |
| rs2853564  | VDR G48278487A      | G           | GG           | +/+          |  |  |
| rs11168287 | VDR G48285414A      | А           | AG           | +/-          |  |  |
| rs4237855  | VDR G48287203A      | А           | AG           | +/-          |  |  |
| rs11574026 | VDR G48288246A      | А           | GG           | -/-          |  |  |
| rs11168293 | VDR G48293716T      | Т           | TG           | +/-          |  |  |
| rs4760655  | VDR G48294131A      | А           | AG           | +/-          |  |  |
| rs7975232  | VDR G64978T         | А           | CC           | -/-          |  |  |
| rs7136534  | VDR G9189A          | G           | CC           | -/-          |  |  |
| rs2239186  | VDR T34405C         | G           | AG           | +/-          |  |  |
| rs3819545  | VDR T38809C         | G           | AG           | +/-          |  |  |
| rs2239181  | VDR T47866G         | С           | AA           | -/-          |  |  |
| rs11574077 | VDR T48252927C      | С           | TT           | -/-          |  |  |
| rs2239182  | VDR T48255411C      | С           | TT           | -/-          |  |  |
| rs11168275 | VDR T48272275C      | С           | TT           | -/-          |  |  |
| rs2248098  | VDR T50459C         | G           | AA           | -/-          |  |  |
| rs4760658  | VDR T7329C          | G           | AG           | +/-          |  |  |
| rs731236   | VDR TAQ             | А           | AA           | +/+          |  |  |
| rs1544410  | VDR VDR:BsmI        | Т           | CC           | -/-          |  |  |



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| SNP ID         SNP Name         Risk Allele         Your Alleles         Your Results           rs669         A2M Te1000Val         C         TC         +/-           rs3764650         ABCA7 T1046520G         G         TG         +/-           rs2478545         AGT 11216C>T         A         GG         -/-           rs3789670         AGT 11216C>T         A         GG         -/-           rs2478523         AGT 1138281>C         G         AA         -/-           rs7079         AGT 17006C>A         T         CC         -/-           rs5049         AGT 5254G>A         T         CC         -/-           rs5051         AGT 546G>A         T         TC         1/-           rs5051         AGT 5538T>C         G         AG         +/-           rs2493134         AGT 978A>G         C         TC         +/-           rs699         AGT M235T/C4072T         G         AGG         -/-           rs49258         APOE ApoE epsilon 4         C         TT         -/-           rs699         AGT M235T/C4072T         T         CC         -/-           rs64949         APOE ApoE epsilon 4         C         TT         -/- <th></th> <th colspan="5">Alzheimers/Cardio/Lipid</th>                      |            | Alzheimers/Cardio/Lipid |   |              |              |  |
|---|------------|-------------------------|---|--------------|--------------|--|
| rs3764650         ABCA7 T1046520G         G         TG         +/-           rs3789670         AGT 11216C>T         A         GG         -/-           rs2478545         AGT 11623C>A         T         CC         -/-           rs24785132         AGT 11780A>G         G         TC         -/-           rs2478523         AGT 1780A>G         G         TC         -/-           rs7079         AGT 17006C>A         T         GG         -/-           rs5049         AGT 5254G>A         T         CC         -/-           rs11588020         AGT 5319G>A         T         CC         -/-           rs5051         AGT 538T>C         G         AG         +/-           rs204776         AGT 6635G>A         T         TC         +/-           rs204776         AGT M235T/C4072T         G         AG         -/-           rs699         AGT M235T/C4072T         G         AG         -/-           rs76943         APOE A178G         G         AA         -/-           rs6395076         APOE A178G         G         AA         -/-           rs769449         APOE C8002T         T         CC         -/- <td< th=""><th>SNP ID</th><th></th><th></th><th>Your Alleles</th><th>Your Results</th></td<>                | SNP ID     |                         |   | Your Alleles | Your Results |  |
| rs2478545         AGT 11216C>T         A         GG         -/-           rs3789670         AGT 11236C>A         T         CC         -/-           rs2493132         AGT 11780A>G         G         TC         -/-           rs2478523         AGT 13282T>C         G         AA         -/-           rs7079         AGT 17006C>A         T         CC         -/-           rs11568020         AGT 5254G>A         T         CC         -/-           rs5051         AGT 5465G>A         T         TC         +/-           rs247852         AGT 5538T>C         G         AG         +/-           rs2493134         AGT 5787SC         G         AG         +/-           rs2493134         AGT 6635G>A         T         TC         +/-           rs2493134         AGT 6635G>A         T         TC         +/-           rs4904776         AGT 6635G>A         T         TC         +/-           rs4953         APOE APDE 2017         G         AG         -/-           rs4762         AGT Thr207Met         A         GG         -/-           rs6375043         APDE APDE 65964A         A         GG         -/-  | rs669      | A2M Ile1000Val          | С | TC           | +/-          |  |
| rs3789670AGT 11623G>ATCC-/-rs2493132AGT 11780A>GGTC-/-rs7079AGT 17006C>ATGG-/-rs5049AGT 5254G>ATCC-/-rs5051AGT 5456C>ATCC-/-rs5051AGT 5456C>ATCC-/-rs2148582AGT 5338T>CGAG+/-rs2148582AGT 59538T>CGAG+/-rs204776AGT 635G>ATTC+/-rs699AGT M255TC4072TGAG-/-rs4762AGT M255TC4072TGAG-/-rs4762AGT M255TC4072TGAG-/-rs4785APOE ADE epsilon 4CTT-/-rs769449APOE ADOE 2002TTCC-/-rs675047APOE ADSThrTCC-/-rs6375066APP Ala655ThrTCC-/-rs6375066APP Ala695ThrTCC-/-rs6375066APP Ala695ThrTCC-/-rs6375066APP Ala695ThrTCC-/-rs63750671APP Glu647AspGCC-/-rs6375063APP Thr696AlaCTT-/-rs63750643APP Thr696AlaCTT-/-rs63750643APP Thr696AlaCTT-/-rs63750643APP Thr696AlaCTT-/-rs63750643APP Thr696AlaCC-/-rs63750   | rs3764650  | ABCA7 T1046520G         | G | TG           | +/-          |  |
| rs2493132       AGT 11780A>G       G       TC         rs2478523       AGT 13828T>C       G       AA         rs7079       AGT 17006C>A       T       GG         rs5049       AGT 5254G>A       T       CC         rs11568020       AGT 5319G>A       T       CC         rs15051       AGT 5465G>A       T       CC         rs5051       AGT 5978A>G       C       TC         rs2043134       AGT 5978A>G       C       TC         rs2043776       AGT 6635G>A       T       TC       +/-         rs609       AGT Th207Met       A       GG       AA         rs4762       AGT Th7207Met       A       GG       -/-         rs769455       APOE ApoE epsilon 4       C       TT       -/-         rs769455       APOE C8002T       T       CC       -/-         rs63750847       APP Ala65SThr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750364       APP Ala65SThr       T       CC       -/-         rs63750363       APP Flu698Val       C       TT       -/-         rs63750364       APP Ala65   | rs2478545  | AGT 11216C>T            | А | GG           | -/-          |  |
| rs2478523AGT 13828T>CGAA-/-rs7079AGT 17006C>ATGG-/-rs5049AGT 5254G>ATCC-/-rs11568020AGT 5319G>ATCC-/-rs5051AGT 5456G>ATTCC-/-rs2148582AGT 5578T>CGAG+/-rs204776AGT 6456G>ATTCC+/-rs204776AGT 635G>ATTCC+/-rs4762AGT Thr207MetAGG-//-rs4762AGT Thr207MetAGG-//-rs769455APOE ApoE epsilon 4CTT-//-rs6750364APOE G596AAAGG-//-rs63750363APOE G596AAAGG-//-rs63750363APP Ala674GlyCGG-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs63750363APP Bla695ThrTCC-//-rs6375034APP Thr696AlaC<   | rs3789670  | AGT 11623G>A            | Т | CC           | -/-          |  |
| rs7079         AGT 17006C>A         T         GG         -/-           rs5049         AGT 5254G>A         T         CC         -/-           rs11568020         AGT 5319G>A         T         CC         -/-           rs5051         AGT 5465G>A         T         CC         -/-           rs248452         AGT 5538T>C         G         AG         +/-           rs2493134         AGT 5978A>G         C         TC         +/-           rs2004776         AGT 6635G>A         T         TC         +/-           rs4762         AGT Thr207Met         A         GG         -/-           rs4762         AGT Thr207Met         A         GG         -/-           rs49358         APOE AJ78G         G         AA         -/-           rs63750847         APOE ADE epsilon 4         C         TT         -/-           rs6375066         APP Ala674Gly         C         GG         -/-           rs63750066         APP Ala674Gly         C         GG         -/-           rs63750066         APP Ala674Gly         C         TT         -/-           rs63750073         APP Thr696Ala         C         TT         -/-  | rs2493132  | AGT 11780A>G            | G | TC           | -/-          |  |
| rs5049         AGT 5254G>A         T         CC         -/-           rs11568020         AGT 5319G>A         T         CC         -/-           rs5051         AGT 5465G>A         T         TC         +/-           rs2148582         AGT 5538T>C         G         AG         +/-           rs2493134         AGT 5978A>G         C         TC         +/-           rs4762         AGT M235T/C4072T         G         AG         +/-           rs4762         AGT M235T/C4072T         G         AG         -/-           rs4762         AGT M235T/C4072T         G         AG         -/-           rs4762         AGT M235T/C4072T         G         AG         -/-           rs4762         AGT M235T/C4072T         T         CC         T           rs4762         AGT M235T/C4072T         T         CC         -/-           rs4762         APOE AJ78G         G         AA         -/-           rs4762         APOE APOE Spilon 4         C         T         -/-           rs63750847         APOE C8002T         T         CC         -/-           rs63750847         APP Ala655Thr         T         CC         -/-  | rs2478523  | AGT 13828T>C            | G | AA           | -/-          |  |
| rs11568020         AGT 5319G>A         T         CC         -/-           rs5051         AGT 5465G>A         T         TC         +/-           rs2148582         AGT 5338T>C         G         AG         +/-           rs2493134         AGT 5978A>G         C         TC         +/-           rs2004776         AGT 6635G>A         T         TC         +/-           rs699         AGT M235T/C4072T         G         AG         +/-           rs4762         AGT hr207Met         A         GG         -/-           rs4931576         APOE ApoE epsilon 4         C         TT         -/-           rs769455         APOE C8002T         T         CC         -/-           rs63750847         APP G165964A         A         GG         -/-           rs6375066         APP Ala655Thr         T         CC         -/-           rs6375066         APP Ala695Thr         T         CC         -/-           rs6375066         APP Ala695Thr         T         CC         -/-           rs6375063         APP G10647Asp         G         CC         -/-           rs6375043         APP Thr696Ile         A         GG         -/-  | rs7079     | AGT 17006C>A            | Т | GG           | -/-          |  |
| rs5051         AGT 5465G>A         T         TC         +/-           rs2148582         AGT 5538T>C         G         AG         +/-           rs2493134         AGT 5978A>G         C         TC         +/-           rs2004776         AGT 6635G>A         T         TC         +/-           rs699         AGT M235T/C4072T         G         AG         +/-           rs4762         AGT Thr207Met         A         GG         -/-           rs47831576         APOE AJPGE epsilon 4         C         TT         -/-           rs4762         AGT M235T/C4072T         T         CC         -/-           rs47831576         APOE AJPGE epsilon 4         C         TT         -/-           rs429358         APOE AS964A         A         GG         -/-           rs63750847         APDE C8002T         T         CC         -/-           rs63750847         APDE Ala655Thr         T         CC         -/-           rs6375066         APP Ala657Hr         T         CC         -/-           rs6375073         APP Thr696Ile         A         GG         -/-           rs6375073         APP Thr696Ile         A         GG         -/-  | rs5049     | AGT 5254G>A             | Т | CC           | -/-          |  |
| rs2148582       AGT 5538T>C       G       AG       +/-         rs2493134       AGT 5978A>G       C       TC       +/-         rs2004776       AGT 6635G>A       T       TC       +/-         rs699       AGT M235T/C4072T       G       AG       +/-         rs4762       AGT Thr207Met       A       GG       AA       -/-         rs428931576       APOE A178G       G       AAA       -/-       -/-         rs429358       APOE ApOE epsilon 4       C       TT       -/-       -/-         rs769455       APOE C8002T       T       CC       -/-       -/-         rs63750671       APP Ala655Thr       T       CC       -/-       -/-         rs6375066       APP Ala695Thr       T       CC       -/-       -/-         rs6375073       APP Thr696Ala       C       TT       -/-       -/-       -/-         rs63750734       APP Val697   | rs11568020 | AGT 5319G>A             | Т | CC           | -/-          |  |
| rs2493134       AGT 5978A>G       C       TC       +/-         rs2004776       AGT 6635G>A       T       TC       +/-         rs699       AGT M235T/C4072T       G       AG       +/-         rs4762       AGT Thr207Met       A       GG       -/-         rs4762       AGT M235T/C4072T       G       AG       -/-         rs4762       AGT Thr207Met       A       GG       -/-         rs78931576       APOE ADE epsilon 4       C       TT       -/-         rs769455       APOE C8002T       T       CC       -/-         rs769459       APOE G3964A       A       GG       -/-         rs63750847       APP Ala655Thr       T       CC       -/-         rs6375066       APP Ala695Thr       T       CC       GG       -/-         rs63750363       APP Glu647Asp       G       CC       -/- <td>rs5051</td> <td>AGT 5465G&gt;A</td> <td>Т</td> <td>TC</td> <td>+/-</td>   | rs5051     | AGT 5465G>A             | Т | TC           | +/-          |  |
| rs2004776         AGT 6635G>A         T         TC         +/-           rs699         AGT M235T/C4072T         G         AG         +/-           rs4762         AGT Thr207Met         A         GG         -/-           rs28931576         APOE A178G         G         AA         -/-           rs429358         APOE ApoE epsilon 4         C         TT         -/-           rs769455         APOE C8002T         T         CC         -/-           rs769449         APOE G5964A         A         GG         -/-           rs63750847         APP Ala655Thr         T         CC         -/-           rs6375066         APP Ala695Thr         T         CC         -/-           rs63750363         APP Glu647Asp         G         CC         -/-           rs63750363         APP The696Ala         C         TT         -/-           rs63750733         APP Thr696Ala         C         TT         -/-           rs63750734         APP Val586Gly         C         AA         -/-           rs63750734         APP Val586Gly         C         TT         -/-           rs1799807         BCHE A98G         C         TT         -/- </td <td>rs2148582</td> <td>AGT 5538T&gt;C</td> <td>G</td> <td>AG</td> <td>+/-</td> | rs2148582  | AGT 5538T>C             | G | AG           | +/-          |  |
| rs699         AGT M235T/C4072T         G         AG         +/-           rs4762         AGT Thr207Met         A         GG         -/-           rs28931576         APOE A178G         G         AAA         -/-           rs429358         APOE ApoE epsilon 4         C         TT         -/-           rs769455         APOE C8002T         T         CC         -/-           rs769449         APOE G5964A         A         GG         -/-           rs63750847         APP Ala655Thr         T         CC         -/-           rs6375066         APP Ala674Gly         C         GG         -/-           rs63750363         APP Glu647Asp         G         CC         -/-           rs6375039         APP Thr696Ala         C         TT         -/-           rs6375039         APP Thr696Ala         C         TT         -/-           rs63750733         APP Thr696Ala         C         TT         -/-           rs63750734         APP Val586Gly         C         AA         -/-           rs63750734         APP Val697Met         T         CC         -/-           rs1799807         BCHE A98G         C         TT         -/-   | rs2493134  | AGT 5978A>G             | С | TC           | +/-          |  |
| rs4762         AGT Thr207Met         A         GG         -/-           rs28931576         APOE A178G         G         AA         -/-           rs429358         APOE ApoE epsilon 4         C         TT         -/-           rs769455         APOE C8002T         T         CC         -/-           rs769449         APOE G5964A         A         GG         -/-           rs63750847         APP Ala655Thr         T         CC         -/-           rs6375066         APP Ala674Gly         C         GG         -/-           rs63750363         APP Glu647Asp         G         CC         -/-           rs6375039         APP Thr696Ala         C         TT         -/-           rs6375073         APP Thr696Ile         A         GG         -/-           rs6375073         APP Thr696Ile         A         GG         -/-           rs63750734         APP Val586Gly         C         AA         -/-           rs1799807         BCHE A98G         C         TT         -/-           rs1799807         BCHE A98G         C         TT         -/-           rs1030104         BDNF T64089C         A         AA         +/+  | rs2004776  | AGT 6635G>A             | Т | TC           | +/-          |  |
| rs28931576       APOE A178G       G       AA         rs429358       APOE ApoE epsilon 4       C       TT         rs769455       APOE C8002T       T       CC         rs769449       APOE G5964A       A       GG       -/-         rs63750847       APP Ala655Thr       T       CC       -/-         rs6375066       APP Ala695Thr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs6375073       APP Thr696Ile       A       GG       -/-         rs6375073       APP Val86Gly       C       AT       C       -/-         rs1799807       BCHE A98G       C       TT       -/-       -/-         rs103010  | rs699      | AGT M235T/C4072T        | G | AG           | +/-          |  |
| rs429358       APOE ApoE epsilon 4       C       TT       -/-         rs769455       APOE C8002T       T       CC       -/-         rs769449       APOE C5964A       A       GG       -/-         rs63750847       APP Ala655Thr       T       CC       -/-         rs6375066       APP Ala674Gly       C       GG       -/-         rs6375066       APP Ala695Thr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs6375039       APP Ile698Val       C       TT       -/-         rs6375043       APP Thr6961le       A       GG       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-   | rs4762     | AGT Thr207Met           | А | GG           | -/-          |  |
| rs769455         APOE C802T         T         CC         -/-           rs769449         APOE G5964A         A         GG         -/-           rs63750847         APP Ala655Thr         T         CC         -/-           rs63750671         APP Ala674Gly         C         GG         -/-           rs6375066         APP Ala695Thr         T         CC         -/-           rs63750363         APP Glu647Asp         G         CC         -/-           rs63750399         APP Ile698Val         C         TT         -/-           rs63750643         APP Thr696Ala         C         TT         -/-           rs63750973         APP Thr696Ile         A         GG         -/-           rs63750734         APP Val586Gly         C         AA         -/-           rs63750734         APP Val697Met         T         CC         -/-           rs1799807         BCHE A98G         C         TT         -/-           rs1799807         BCHE A98G         C         TT         -/-           rs11030104         BDNF C54365G         C         GG         -/-           rs1800775         CETP C4402A         A         AC         +/- <td>rs28931576</td> <td>APOE A178G</td> <td>G</td> <td>AA</td> <td>-/-</td>           | rs28931576 | APOE A178G              | G | AA           | -/-          |  |
| rs769449       APOE G5964A       A       GG       -/-         rs63750847       APP Ala655Thr       T       CC       -/-         rs63750671       APP Ala695Thr       T       CC       -/-         rs6375066       APP Ala695Thr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs11030104       BDNF C54365G       C       GG       -/-         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AG       +/- <td>rs429358</td> <td>APOE ApoE epsilon 4</td> <td>С</td> <td>TT</td> <td>-/-</td>  | rs429358   | APOE ApoE epsilon 4     | С | TT           | -/-          |  |
| rs63750847       APP Ala655Thr       T       CC       -/-         rs63750671       APP Ala674Gly       C       GG       -/-         rs63750066       APP Ala695Thr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs6375039       APP Ile698Val       C       TT       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63750973       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs5882       CETP I405V       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs588076       CHAT A120T       A       GG       -/-  | rs769455   | APOE C8002T             | Т | CC           | -/-          |  |
| rs63750671       APP Ala674Gly       C       GG       -/-         rs63750066       APP Ala695Thr       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750399       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1030104       BDNF C54365G       C       GG       -/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AGG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs11380076       CHAT Asp7Asn       A       GG       -/-         rs1136000       CLU A58V       C       TC       +/-   | rs769449   | APOE G5964A             | А | GG           | -/-          |  |
| rs63750066       APP Ala695Th       T       CC       -/-         rs63750363       APP Glu647Asp       G       CC       -/-         rs63750399       APP Ile698Val       C       TT       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs6375073       APP Thr696Ile       A       GG       -/-         rs6375073       APP Thr696Ile       A       GG       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1030104       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs5882       CETP I405V       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-   | rs63750847 | APP Ala655Thr           | Т | CC           | -/-          |  |
| rs63750363       APP Glu647Asp       G       CC       -/-         rs63750399       APP Ile698Val       C       TT       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1030104       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs5882       CETP C4402A       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs5880       CHAT A120T       A       GG       -/-         rs11880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs63750671 | APP Ala674Gly           | С | GG           | -/-          |  |
| rs63750399       APP Ile698Val       C       TT       -/-         rs63750643       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63750973       APP Val586Gly       C       AA       -/-         rs63750734       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs1030104       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/- <td>rs63750066</td> <td>APP Ala695Thr</td> <td>Т</td> <td>CC</td> <td>-/-</td>  | rs63750066 | APP Ala695Thr           | Т | CC           | -/-          |  |
| rs63750643       APP Thr696Ala       C       TT       -/-         rs63750973       APP Thr696Ile       A       GG       -/-         rs63749964       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs63750363 | APP Glu647Asp           | G | CC           | -/-          |  |
| rs63750973       APP Thr696Ile       A       GG       -/-         rs63749964       APP Val586Gly       C       AA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AGG       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs63750399 | APP Ile698Val           | С | TT           | -/-          |  |
| rs63749964       APP Val586Gly       C       AAA       -/-         rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AAA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs63750643 | APP Thr696Ala           | С | TT           | -/-          |  |
| rs63750734       APP Val697Met       T       CC       -/-         rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AAA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AG       +/-         rs5882       CETP I405V       A       AG       +/-         rs1880676       CHAT A120T       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs63750973 | APP Thr696Ile           | А | GG           | -/-          |  |
| rs179943       ATXN1 C368404T       A       GG       -/-         rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs1880676       CHAT A120T       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs63749964 | APP Val586Gly           | С | AA           | -/-          |  |
| rs1799807       BCHE A98G       C       TT       -/-         rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AAA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs63750734 | APP Val697Met           | Т | CC           | -/-          |  |
| rs2049045       BDNF C54365G       C       GG       -/-         rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs179943   | ATXN1 C368404T          | А | GG           | -/-          |  |
| rs11030104       BDNF T64089C       A       AA       +/+         rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs1799807  | BCHE A98G               | С | TT           | -/-          |  |
| rs4970834       CELSR2 -20C7927T       T       TC       +/-         rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs2049045  | BDNF C54365G            | С | GG           | -/-          |  |
| rs1800775       CETP C4402A       A       AC       +/-         rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs11030104 | BDNF T64089C            | А | AA           | +/+          |  |
| rs5882       CETP I405V       A       AG       +/-         rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-   | rs4970834  | CELSR2 -20C7927T        | Т |              | +/-          |  |
| rs3810950       CHAT A120T       A       GG       -/-         rs1880676       CHAT Asp7Asn       A       GG       -/-         rs11136000       CLU A58V       C       TC       +/-  | rs1800775  |                         | А | AC           | +/-          |  |
| rs1880676         CHAT Asp7Asn         A         GG         -/-           rs11136000         CLU A58V         C         TC         +/-  | rs5882     | CETP I405V              | А | AG           | +/-          |  |
| rs11136000 CLU A58V C TC +/-  | rs3810950  | CHAT A120T              | А | GG           | -/-          |  |
|   | rs1880676  | CHAT Asp7Asn            |   | GG           | -/-          |  |
| rs806370 CNR1 C88856331T T CC -/-   | rs11136000 | CLU A58V                | С | TC           | +/-          |  |
|   | rs806370   | CNR1 C88856331T         | Т | CC           | -/-          |  |



AncestryDNAv2

|            | Alzheimers/Carc         | lio/Lipid   |              |              |
|------------|-------------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name                | Risk Allele | Your Alleles | Your Results |
| rs6454673  | CNR1 G88871049A         | А           | AA           | +/+          |
| rs6656401  | CR1 A27577G             | G           | GG           | +/+          |
| rs17571    | CTSD A58V               | А           | GG           | -/-          |
| rs13146272 | CYP4V2 Q259K            | А           | AA           | +/+          |
| rs892086   | DNM2 G13923A            | А           | GG           | -/-          |
| rs2254958  | EIF2AK2 C12900T         | А           | AG           | +/-          |
| rs3211719  | F10 113777509 A5397C    | G           | AA           | -/-          |
| rs2289252  | F11 C25264T             | Т           | CC           | -/-          |
| rs2036914  | F11 T10364C             | С           | CC           | +/+          |
| rs5896     | F2 C494T                | Т           | CC           | -/-          |
| rs3917643  | F3 94997288 A10547G     | С           | TT           | -/-          |
| rs6025     | F5 Factor V Leiden FVL  | Т           | CC           | -/-          |
| rs6048     | F9 G580A A25386G        | G           | AA           | -/-          |
| rs10793294 | GAB2 G137466T           | А           | AC           | +/-          |
| rs2373115  | GAB2 G42719T            | А           | CC           | -/-          |
| rs7019241  | GOLM1 C17857992T        | С           | TC           | +/-          |
| rs10868366 | GOLM1 G88700060T        | Т           | TG           | +/-          |
| rs1613662  | GP6 Pro219Ser           | А           | AA           | +/+          |
| rs1800562  | HFE C282Y               | А           | GG           | -/-          |
| rs1799945  | HFE H63D                | G           | CG           | +/-          |
| rs1800730  | HFE S65C                | Т           | AA           | -/-          |
| rs9898     | HRG Pro204Ser           | Т           | TC           | +/-          |
| rs6583817  | IDE G91606A             | Т           | CC           | -/-          |
| rs2069837  | IL6 A6262G              | G           | AA           | -/-          |
| rs5918     | ITGB3 P1A2/T196C        | С           | TT           | -/-          |
| rs2731672  | KNG I598T GP IIIa HPA-1 | С           | CC           | +/+          |
| rs1012672  | LRP6 Cys1270            | А           | GG           | -/-          |
| rs2160525  | LRP6 T154522C           | G           | GG           | +/+          |
| rs2302685  | LRP6 V1062I             | Т           | TT           | +/+          |
| rs242557   | MAPT A52950A            | А           | AG           | +/-          |
| rs11754661 | MTHFD1L G25264A         | А           | GG           | -/-          |
| rs1523127  | NR1I2 C6709A            | А           | AA           | +/+          |
| rs1050283  | OLR1 C17502T            | G           | AA           | -/-          |
| rs12316150 | OLR1 T17500A            | Т           | AA           | -/-          |
| rs11591147 | PCSK9 R46L              | Т           | GG           | -/-          |
| rs74315402 | PRNP A117V              | Т           | CC           | -/-          |
| rs74315406 | PRNP A4680516G          | G           | AA           | -/-          |
| rs74315415 | PRNP C4680264T          | Т           | CC           | -/-          |
| rs74315403 | PRNP D178N              | А           | GG           | -/-          |



AncestryDNAv2

|             | Alzheimers/Cardio/Lipid |             |              |              |  |
|-------------|-------------------------|-------------|--------------|--------------|--|
| SNP ID      | SNP Name                | Risk Allele | Your Alleles | Your Results |  |
| rs28933385  | PRNP E200K              | А           | GG           | -/-          |  |
| rs74315405  | PRNP F198S              | С           | TT           | -/-          |  |
| rs267606980 | PRNP G127V              | Т           | GG           | -/-          |  |
| rs74315410  | PRNP G4680258T          | Т           | GG           | -/-          |  |
| rs398122413 | PRNP G4680499C          | С           | GG           | -/-          |  |
| rs1800014   | PRNP G4680521A          | А           | GG           | -/-          |  |
| rs74315413  | PRNP H187R              | G           | AA           | -/-          |  |
| rs1799990   | PRNP M129V              | G           | AA           | -/-          |  |
| rs16990018  | PRNP N171S              | G           | AA           | -/-          |  |
| rs74315401  | PRNP P102L              | Т           | CC           | -/-          |  |
| rs63750526  | PSEN1 Ala242Glu         | А           | CC           | -/-          |  |
| rs63751223  | PSEN1 Ala422Pro         | С           | GG           | -/-          |  |
| rs63749824  | PSEN1 Ala75Val          | Т           | CC           | -/-          |  |
| rs63750900  | PSEN1 Arg265His         | G           | GG           | +/+          |  |
| rs17125721  | PSEN1 Glu314Gly         | G           | AA           | -/-          |  |
| rs63751068  | PSEN1 Gly179Val         | Т           | GG           | -/-          |  |
| rs63750590  | PSEN1 His159Arg         | G           | AA           | -/-          |  |
| rs63751144  | PSEN1 Leu170Met         | А           | CC           | -/-          |  |
| rs63751163  | PSEN1 Leu246Ser         | С           | TT           | -/-          |  |
| rs63750886  | PSEN1 Leu267Val         | G           | CC           | -/-          |  |
| rs63751235  | PSEN1 Leu282Val         | G           | CC           | -/-          |  |
| rs63750218  | PSEN1 Leu388Pro         | С           | TT           | -/-          |  |
| rs63750599  | PSEN1 Leu81Pro          | С           | TT           | -/-          |  |
| rs63751037  | PSEN1 Met135Val         | G           | AA           | -/-          |  |
| rs63751229  | PSEN1 Pro263Ser         | Т           | CC           | -/-          |  |
| rs63750577  | PSEN1 Ser166Phe         | Т           | CC           | -/-          |  |
| rs63751320  | PSEN1 Tyr252Ser         | С           | AA           | -/-          |  |
| rs63750815  | PSEN1 Val85Leu          | Т           | GG           | -/-          |  |
| rs63750048  | PSEN2 Ala85Val          | Т           | CC           | -/-          |  |
| rs63750215  | PSEN2 Asn141Ile         | Т           | AA           | -/-          |  |
| rs63750110  | PSEN2 Asp438Ala         | С           | AA           | -/-          |  |
| rs63749885  | PSEN2 His159Tyr         | Т           | CC           | -/-          |  |
| rs28936379  | PSEN2 Met239Val         | G           | AA           | -/-          |  |
| rs63750197  | PSEN2 Ser130Leu         | Т           | CC           | -/-          |  |
| rs63749851  | PSEN2 Thr122Pro         | С           | AA           | -/-          |  |
| rs63750666  | PSEN2 Thr429Met         | Т           | CC           | -/-          |  |
| rs6859      | PVRL2 A37642G           | G           | AA           | -/-          |  |
| rs2248663   | RNF219 T79207588C       | С           | TT           | -/-          |  |
| rs2227589   | SERPINC1 G5301A         | Т           | CC           | -/-          |  |



|           | Alzheimers/Care   | dio/Lipid   |              |              |
|-----------|-------------------|-------------|--------------|--------------|
| SNP ID    | SNP Name          | Risk Allele | Your Alleles | Your Results |
| rs1792113 | SORL1 A146986G    | G           | AG           | +/-          |
| rs3781835 | SORL1 G130294A    | А           | GG           | -/-          |
| rs241448  | TAP2 T14863C      | А           | AA           | +/+          |
| rs1049296 | TF Pro589Ser      | Т           | TC           | +/-          |
| rs1937    | TFAM Ser12Thr     | С           | GG           | -/-          |
| rs1042580 | THBD A7681G       | С           | TT           | -/-          |
| rs4986790 | TLR4 D299G        | G           | AA           | -/-          |
| rs157580  | TOMM40 G45395266A | А           | GG           | -/-          |
| rs1800458 | TTR Gly26Ser      | А           | GG           | -/-          |



|            | IgE                           |             |              |              |
|------------|-------------------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name                      | Risk Allele | Your Alleles | Your Results |
| rs2814778  | DARC 5174T>C                  | С           | TT           | -/-          |
| rs2427837  | FCER1A 159258545G>A           | А           | GG           | _/_          |
| rs2251746  | FCER1A 159272060T>C           | С           | TT           | -/-          |
| rs2494262  | FCER1A / OR10J2P 159253672C>A | А           | CC           | _/_          |
| rs1800925  | IL-13 C1112T 3945C>T          | Т           | CC           | _/_          |
| rs1295685  | IL13 7581A>G                  | А           | GG           | _/_          |
| rs2040704  | RAD50 85562A>G                | G           | AA           | _/_          |
| rs2240032  | RAD50 89512C>T                | Т           | CC           | _/_          |
| rs33977706 | SOCS-1 -820G>T 11256298C>A    | А           | CC           | -/-          |

#### MTHFRSupport Variant Report v2.12 AncestryDNAv2



|           | IgG                   |             |              |              |
|-----------|-----------------------|-------------|--------------|--------------|
| SNP ID    | SNP Name              | Risk Allele | Your Alleles | Your Results |
| rs1801274 | FCGR2A His167Arg      | G           | AA           | -/-          |
| rs7483    | GSTM3 V224I           | Т           | TT           | +/+          |
| rs4792800 | TNFRSF13B 16845167A>G | G           | AA           | _/_          |



|            | IgA                            |             |              |              |
|------------|--------------------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name                       | Risk Allele | Your Alleles | Your Results |
| rs6677604  | CFH 70778G>A                   | А           | GG           | -/-          |
| rs516246   | FUT2 11945C>T                  | Т           | TT           | +/+          |
| rs485186   | FUT2 12979A>G                  | А           | GG           | -/-          |
| rs504963   | FUT2 14638G>A                  | А           | AA           | +/+          |
| rs492602   | FUT2 A12190G                   | G           | GG           | +/+          |
| rs1047781  | FUT2 A12404T                   | Т           | AA           | -/-          |
| rs602662   | FUT2 G12758A                   | А           | AA           | +/+          |
| rs9271366  | HLA 4037578A>G                 | G           | AA           | -/-          |
| rs9275224  | HLA-DQA2 3941621G>A            | G           | AG           | +/-          |
| rs1990760  | IFIH1 (HLA) Ala946Thr          | Т           | TC           | +/-          |
| rs2229765  | IGF1R 290465G>A                | А           | AG           | +/-          |
| rs4728142  | IRF5 974G>A                    | А           | AG           | +/-          |
| rs9275596  | MTC03P1 4127246C>T             | С           | TC           | +/-          |
| rs12150220 | NLRP1 7466T>A                  | Т           | AA           | -/-          |
| rs10733113 | NLRP3 247622357A>G             | G           | GG           | +/+          |
| rs17221417 | NOD2 13533C>G                  | G           | GC           | +/-          |
| rs2066843  | NOD2 19150C>T                  | Т           | TC           | +/-          |
| rs5743289  | NOD2 30725C>T                  | Т           | TC           | +/-          |
| rs2066845  | NOD2 Gly881Arg                 | С           | GG           | -/-          |
| rs2066847  | NOD2 L1007P                    | С           | DD           | -/-          |
| rs9357155  | PSMB8 / TAP1 / TAP2 4254376G>A | А           | AG           | +/-          |
| rs3761847  | TRAF1 123690239G>A             | А           | AG           | +/-          |



| Clotting Factors |                         |             |              |              |  |
|------------------|-------------------------|-------------|--------------|--------------|--|
| SNP ID           | SNP Name                | Risk Allele | Your Alleles | Your Results |  |
| rs1800775        | CETP C4402A             | А           | AC           | +/-          |  |
| rs13146272       | CYP4V2 Q259K            | А           | AA           | +/+          |  |
| rs3211719        | F10 113777509 A5397C    | G           | AA           | -/-          |  |
| rs2289252        | F11 C25264T             | Т           | CC           | -/-          |  |
| rs2036914        | F11 T10364C             | С           | CC           | +/+          |  |
| rs6025           | F5 Factor V Leiden FVL  | Т           | CC           | -/-          |  |
| rs6048           | F9 G580A A25386G        | G           | AA           | -/-          |  |
| rs1613662        | GP6 Pro219Ser           | А           | AA           | +/+          |  |
| rs9898           | HRG Pro204Ser           | Т           | TC           | +/-          |  |
| rs5918           | ITGB3 P1A2/T196C        | С           | TT           | -/-          |  |
| rs2731672        | KNG I598T GP IIIa HPA-1 | С           | CC           | +/+          |  |
| rs1523127        | NR1I2 C6709A            | А           | AA           | +/+          |  |
| rs2227589        | SERPINC1 G5301A         | Т           | CC           | -/-          |  |



| Celiac Disease/Gluten Intolerance |                          |             |              |              |
|-----------------------------------|--------------------------|-------------|--------------|--------------|
| SNP ID                            | SNP Name                 | Risk Allele | Your Alleles | Your Results |
| rs6441961                         | 3p21 near CCR3 1184A>G   | С           | TC           | +/-          |
| rs6822844                         | 4q27 Region 123509421G>T | Т           | TG           | +/-          |
| rs231775                          | CTLA4 Thr17Ala           | G           | AG           | +/-          |
| rs2858331                         | HLA 4126892A>G           | G           | AA           | -/-          |
| rs2187668                         | HLA DQA1                 | Т           | TC           | +/-          |
| rs9851967                         | LPP 220966C>T            | Т           | CC           | -/-          |



|            | Thyroic        | 1           |              |              |
|------------|----------------|-------------|--------------|--------------|
| SNP ID     | SNP Name       | Risk Allele | Your Alleles | Your Results |
| rs231775   | CTLA4 Thr17Ala | G           | AG           | +/-          |
| rs1867277  | FOXE1 5378A>G  | G           | AG           | +/-          |
| rs10984009 | FOXE1 8124G>A  | А           | AG           | +/-          |



|            | Eye Health                    |             |              |              |
|------------|-------------------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name                      | Risk Allele | Your Alleles | Your Results |
| rs4889294  | BCO1/BCMO1 36464T>C           | С           | TC           | +/-          |
| rs11645428 | BCO1/BCMO1 81225291G>A        | G           | AG           | +/-          |
| rs6564851  | BCO1/BCMO1 81230992T>G        | G           | TG           | +/-          |
| rs6420424  | BCO1/BCMO1 (PKD1L2) Arg252Trp | А           | GG           | -/-          |
| rs7501331  | BCO1/BCMO1 A379V Ala379Val    | Т           | CC           | -/-          |



|            | Other Immune Factors     |             |              |              |  |  |
|------------|--------------------------|-------------|--------------|--------------|--|--|
| SNP ID     | SNP Name                 | Risk Allele | Your Alleles | Your Results |  |  |
| rs6822844  | 4q27 Region 123509421G>T | Т           | TG           | +/-          |  |  |
| rs429358   | APOE ApoE epsilon 4      | С           | TT           | -/-          |  |  |
| rs10210302 | ATG16L1 C234158839T      | С           | TT           | -/-          |  |  |
| rs2253262  | DMGDH T372G              | С           | AC           | +/-          |  |  |
| rs17851582 | GAMT C9110T              | А           | GG           | -/-          |  |  |
| rs55776826 | GAMT G7497A              | Т           | CC           | -/-          |  |  |
| rs7216389  | GSDMB 38069949C>T        | Т           | CC           | -/-          |  |  |
| rs660895   | HLA-DRB1 4028086A>G      | G           | AG           | +/-          |  |  |
| rs20541    | IL-13 Gln144Arg          | G           | GG           | +/+          |  |  |
| rs1801275  | IL4R Q576R Gln576Arg     | G           | AA           | -/-          |  |  |
| rs2069812  | IL5 A131879916G          | G           | AA           | -/-          |  |  |
| rs28940578 | MeFV M694I Met694Ile     | Т           | CC           | -/-          |  |  |
| rs10181656 | STAT4 51047C>G           | С           | CC           | +/+          |  |  |
| rs361525   | TNF -238 4752G>A         | А           | GG           | -/-          |  |  |
| rs1800629  | TNF -308 4682G>A         | А           | AG           | +/-          |  |  |



| SNP ID         SNP Name         Risk Allele         Your Alleles         Your Results           rs118204448         GALNS Ala291Ser         T         CC         -/-           rs118204442         GALNS Arg239Gln         T         CC         -/-           rs118204437         GALNS Arg386Cys         A         GG         -/-           rs118204441         GALNS Arg386Cys         G         GG         +/+           rs118204447         GALNS Arg94Cys         G         GG         +/+           rs118204443         GALNS Arg94Cys         A         CC         -/-           rs118204443         GALNS Phe69val         T         TT         +/+           rs118204445         GALNS Phe69val         C         AA         -/-           rs118204444         GALNS Thr312Ser         G         GG         -/-         -/-           rs118204449         GALNS Thr312Ser         G         GG         -/-         -/-         -/-           rs118204449         GALNS Trp230Ter         T         CC         -/-         -/-           rs118204449         GALNS Trp30Ser         A         GG         -/-         -/-           rs119401974         GNS Arg355Ter         A                                |             | Sulfite/Sulfate/Oxa | late Transport |              |              |
|---|-------------|---------------------|----------------|--------------|--------------|
| rs118204442       GALNS Arg259Gln       T       CC       -/-         rs118204437       GALNS Arg386Cys       A       GG       -/-         rs118204441       GALNS Arg94Cys       G       GG       +/+         rs118204447       GALNS Asp60Asn       T       CC       -/-         rs118204443       GALNS Gly301Cys       A       CC       -/-         rs118204443       GALNS Phe69Val       C       AA       -/-         rs118204445       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       4/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp320Ter       T       CG       -/-         rs118204449       GALNS Trp325Ter       A       GG       -/-         rs119461975       GNS Gln390Ter       A       GG       -/-         rs119461975       GNS Gln390Ter       A       GG       -/-         rs119066451       HGSNAT Arg344Cys       T       CC       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs199422230       IDS Trp475Ter <td< th=""><th>SNP ID</th><th>SNP Name</th><th>Risk Allele</th><th>Your Alleles</th><th>Your Results</th></td<> | SNP ID      | SNP Name            | Risk Allele    | Your Alleles | Your Results |
| rs118204437       GALNS Arg386Cys       A       GG       -/-         rs118204441       GALNS Arg94Cys       G       GG       4/4         rs118204447       GALNS Asp60Asn       T       CC       -/-         rs118204443       GALNS Gly301Cys       A       CC       -/-         rs118204443       GALNS Phe69Val       C       AA       -/-         rs118204445       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Trp312Ser       G       GG       4/4         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp30Ter       A       GG       -/-         rs118204449       GALNS Trg30Ter       A       GG       -/-         rs118204449       GALNS Trg30Ter       A       GG       -/-         rs119461974       GNS Arg35Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Met482Lys       A       TT       -/-         rs121908284       HGSNAT Pro283Leu       T   | rs118204448 | GALNS Ala291Ser     | Т              | CC           | -/-          |
| rs118204441       GALNS Arg94Cys       G       GG       +/+         rs118204447       GALNS Asp60Asn       T       CC       -/-         rs118204443       GALNS Gly301Cys       A       CC       -/-         rs118204438       GALNS Ile113Phe       T       TT       +/+         rs118204445       GALNS Phe69Val       C       AA       -/-         rs118204445       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS Gln390Ter       A       GG       -/-         rs193066451       HGSNAT Arg344Cys       T       CC       -/-         rs121908285       HGSNAT Met482Lys       A       TT       -/-         rs121908286       HGSNAT Ser518Phe  | rs118204442 | GALNS Arg259Gln     | Т              | CC           | -/-          |
| rs118204447       GALNS Asp60Asn       T       CC       -/-         rs118204443       GALNS Gly301Cys       A       CC       -/-         rs118204438       GALNS Ile113Phe       T       TT       +/+         rs118204445       GALNS Phe69Val       C       AA       -/-         rs118204445       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       +/+         rs118204446       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT Arg344Cys       T       CC       -/-         rs121908284       HGSNAT Met482Lys  | rs118204437 | GALNS Arg386Cys     | А              | GG           | -/-          |
| rs118204443       GALNS GIVS       A       CC       -/-         rs118204438       GALNS Ile113Phe       T       TT       +/+         rs118204445       GALNS Phe69Val       C       AA       -/-         rs118204445       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       +/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908284       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs199422228       IDS Trp502Ser       C <td>rs118204441</td> <td>GALNS Arg94Cys</td> <td>G</td> <td>GG</td> <td>+/+</td>                             | rs118204441 | GALNS Arg94Cys      | G              | GG           | +/+          |
| rs118204438       GALNS Ile 113Phe       T       TT       +/+         rs118204445       GALNS Phe69Val       C       AA       -/-         rs118204444       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       +/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs19942228       IDS Trp502Ser       C       C       -/-         rs121965020       IDUA Gin70Ter       T <td>rs118204447</td> <td>GALNS Asp60Asn</td> <td>Т</td> <td>CC</td> <td>-/-</td>                             | rs118204447 | GALNS Asp60Asn      | Т              | CC           | -/-          |
| rs118204445       GALNS Phe69Val       C       AA       -/-         rs118204444       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       4/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs118204449       GALNS Trp230Ter       A       GG       -/-         rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Ser518Phe       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AAA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro  | rs118204443 | GALNS Gly301Cys     | А              | CC           | -/-          |
| rs118204444       GALNS Ser162Phe       A       GG       -/-         rs118204446       GALNS Thr312Ser       G       GG       +/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs11920174       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs119408282       HGSNAT Ser518Phe       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs199422230       IDS Trp502Ser       C       C       -/-         rs121965020       IDUA GIn70Ter       T       CC       -/-         rs121965021       IDUA Leu490Pro <td< td=""><td>rs118204438</td><td>GALNS Ile113Phe</td><td>Т</td><td>TT</td><td>+/+</td></td<>                  | rs118204438 | GALNS Ile113Phe     | Т              | TT           | +/+          |
| rs118204446       GALNS Thr312Ser       G       GG       +/+         rs118204449       GALNS Trp230Ter       T       CC       -/-         rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS Gln390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Ser518Phe       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs199422228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       -/-         rs121965032       IDUA Trp402Ter       A<   | rs118204445 | GALNS Phe69Val      | С              | AA           | -/-          |
| rs118204449       GALNS Trp230Ter       T       CC       -/-         rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS GIn390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs121908284       HGSNAT Ser518Phe       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AAA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Trp402Ter       A       GG       -/-  | rs118204444 | GALNS Ser162Phe     | А              | GG           | -/-          |
| rs119461974       GNS Arg355Ter       A       GG       -/-         rs119461975       GNS Gln390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908285       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       C       -/-         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs118204446 | GALNS Thr312Ser     | G              | GG           | +/+          |
| rs119461975       GNS Gln 390Ter       A       GG       -/-         rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908285       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AAA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       C       +/+         rs121965032       IDUA Trp402Ter       A       GG       -/-  | rs118204449 | GALNS Trp230Ter     | Т              | CC           | -/-          |
| rs193066451       HGSNAT 23597G>A       A       GG       -/-         rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Met482Lys       A       TT       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965021       IDUA Leu490Pro       C       CC       -/-         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-  | rs119461974 | GNS Arg355Ter       | А              | GG           | -/-          |
| rs121908285       HGSNAT Arg344Cys       T       CC       -/-         rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs119461975 | GNS Gln390Ter       | А              | GG           | -/-          |
| rs121908283       HGSNAT Leu321Ter       G       TT       -/-         rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Trp402Ter       A       GG       -/-   | rs193066451 | HGSNAT 23597G>A     | А              | GG           | -/-          |
| rs121908284       HGSNAT Met482Lys       A       TT       -/-         rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs199422229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs199422228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs121908285 | HGSNAT Arg344Cys    | Т              | CC           | -/-          |
| rs121908282       HGSNAT Pro283Leu       T       CC       -/-         rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs19942228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Trp402Ter       A       GG       -/-   | rs121908283 | HGSNAT Leu321Ter    | G              | TT           | -/-          |
| rs121908286       HGSNAT Ser518Phe       T       CC       -/-         rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs19942228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs121908284 | HGSNAT Met482Lys    | А              | TT           | -/-          |
| rs19942229       IDS Cys422Gly       C       AA       -/-         rs199422230       IDS Trp475Ter       T       CC       -/-         rs19942228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Trp402Ter       A       GG       -/-   | rs121908282 | HGSNAT Pro283Leu    | Т              | CC           | -/-          |
| rs199422230       IDS Trp475Ter       T       CC       -/-         rs199422228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-  | rs121908286 | HGSNAT Ser518Phe    | Т              | CC           | -/-          |
| rs199422228       IDS Trp502Ser       C       CC       +/+         rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs199422229 | IDS Cys422Gly       | С              | AA           | -/-          |
| rs121965020       IDUA Gln70Ter       T       CC       -/-         rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-  | rs199422230 | IDS Trp475Ter       | Т              | CC           | -/-          |
| rs121965027       IDUA Leu490Pro       C       CC       +/+         rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs199422228 | IDS Trp502Ser       | С              | CC           | +/+          |
| rs121965032       IDUA Thr364Met       T       CC       -/-         rs121965019       IDUA Trp402Ter       A       GG       -/-   | rs121965020 | IDUA Gln70Ter       | Т              | CC           | -/-          |
| rs121965019 IDUA Trp402Ter A GG -/-   | rs121965027 | IDUA Leu490Pro      | С              | CC           | +/+          |
| 1   | rs121965032 | IDUA Thr364Met      | Т              | CC           | -/-          |
| rs138504221 SGSH Ser298Pro G AA -/-   | rs121965019 | IDUA Trp402Ter      | А              | GG           | -/-          |
|   | rs138504221 | SGSH Ser298Pro      | G              | AA           | -/-          |



| Glyoxylate Metabolic Process (Figure 10) |                    |             |              |              |  |
|--|--------------------|-------------|--------------|--------------|--|
| SNP ID                                   | SNP Name           | Risk Allele | Your Alleles | Your Results |  |
| rs1049748                                | ABP1 P574P         | С           | CC           | +/+          |  |
| rs4426527                                | AGXT I340M         | G           | AA           | -/-          |  |
| rs344156                                 | AGXT2 A35035579G   | G           | GG           | +/+          |  |
| rs40200                                  | AGXT2 A35045745G   | G           | GG           | +/+          |  |
| rs7717823                                | AGXT2 C35000795T   | Т           | CC           | -/-          |  |
| rs37369                                  | AGXT2 V140I        | Т           | CC           | -/-          |  |
| rs16899974                               | AGXT2 V498L        | А           | CC           | -/-          |  |
| rs1377210                                | AGXT2L1 S127P      | G           | AG           | +/-          |  |
| rs3810174                                | BCKDHA C5472T      | Т           | TT           | +/+          |  |
| rs10455370                               | BCKDHB C229524T    | Т           | CC           | _/_          |  |
| rs6931421                                | BCKDHB T68795G     | G           | TT           | _/_          |  |
| rs3741775                                | DAO A14747C        | С           | CC           | +/+          |  |
| rs3918347                                | DAO A24464G        | G           | AA           | -/-          |  |
| rs2070586                                | DAO G8864A         | А           | GG           | _/_          |  |
| rs2111902                                | DAO T9891G         | G           | TT           | _/_          |  |
| rs2810424                                | DBT A56731G        | С           | CC           | +/+          |  |
| rs12021720                               | DBT G384S          | С           | CC           | +/+          |  |
| rs2057149                                | DDO C110717493T    | Т           | TT           | +/+          |  |
| rs3740015                                | DHTKD1 Y272D       | G           | GG           | +/+          |  |
| rs2303436                                | DLAT A43V          | Т           | CC           | -/-          |  |
| rs10263341                               | DLD T19214C        | С           | TC           | +/-          |  |
| rs732765                                 | DLST A22136G       | G           | AG           | +/-          |  |
| rs11789777                               | GLDC A55715G       | С           | TC           | +/-          |  |
| rs7848919                                | GLDC C118216T      | А           | GG           | -/-          |  |
| rs2423322                                | HAO1 A7873112G     | G           | GG           | +/+          |  |
| rs6118004                                | HAO1 C7897049T     | Т           | CC           | -/-          |  |
| rs16994134                               | HAO1 T7894092C     | С           | TC           | +/-          |  |
| rs2423334                                | HAO1 T7905947C     | С           | TC           | +/-          |  |
| rs2297644                                | HOGA1 T20638C      | С           | TT           | -/-          |  |
| rs730168                                 | LDHD C75150275T    | Т           | TC           | +/-          |  |
| rs2259073                                | LIAS A19410C       | С           | AA           | -/-          |  |
| rs459894                                 | NDUFAB1 A23601488G | G           | AG           | +/-          |  |
| rs497582                                 | PDHX V271V         | С           | TC           | +/-          |  |
|  |                    |             |              |              |  |



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|            | Thiamin/Thiamine Degrad | lation (Figure 11) |              |              |
|------------|-------------------------|--------------------|--------------|--------------|
| SNP ID     | SNP Name                | Risk Allele        | Your Alleles | Your Results |
| rs975508   | ATP8A2 (ATP) A7545586G  | G                  | GG           | +/+          |
| rs912514   | ATP8A2 (ATP) C7524369T  | Т                  | TT           | +/+          |
| rs6491066  | ATP8A2 (ATP) F561F      | Т                  | TT           | +/+          |
| rs3117849  | ATP8A2 (ATP) G7279179A  | А                  | GG           | -/-          |
| rs7320729  | ATP8A2 (ATP) T7044148C  | С                  | TC           | +/-          |
| rs3783139  | ATP8A2 (ATP) T7520642C  | С                  | TT           | -/-          |
| rs480575   | CAT A12175G             | G                  | AA           | -/-          |
| rs11032703 | CAT C14185T             | Т                  | CC           | -/-          |
| rs2300181  | CAT C21068T             | Т                  | CC           | -/-          |
| rs2297810  | CYP4B1 M332I            | А                  | GG           | -/-          |
| rs4646487  | CYP4B1 R173W            | Т                  | CC           | -/-          |
| rs2297809  | CYP4B1 R376C            | Т                  | CC           | -/-          |
| rs762515   | G6PD A16260G            | С                  | TT           | -/-          |
| rs1050829  | G6PD A376G - Class I    | С                  | TT           | -/-          |
| rs5986990  | G6PD G153761628A        | А                  | GG           | -/-          |
| rs2472394  | G6PD G9437T             | А                  | CC           | -/-          |
| rs2230036  | G6PD Q402Q              | Т                  | CC           | -/-          |
| rs72554664 | G6PD R493H - Class II   | Т                  | CC           | -/-          |
| rs1050828  | G6PD V98M - Class III   | Т                  | CC           | -/-          |
| rs769395   | GAD1 (GAD) A48604A      | А                  | AG           | +/-          |
| rs2241165  | GAD1 (GAD) C10180T      | Т                  | TC           | +/-          |
| rs3828275  | GAD1 (GAD) C14541T      | Т                  | TC           | +/-          |
| rs2241164  | GAD1 (GAD) C18360T      | Т                  | TC           | +/-          |
| rs12185692 | GAD1 (GAD) C2627A       | А                  | AC           | +/-          |
| rs701492   | GAD1 (GAD) C34281T      | Т                  | TC           | +/-          |
| rs769407   | GAD1 (GAD) G25509C      | С                  | CG           | +/-          |
| rs3791878  | GAD1 (GAD) G3992T       | Т                  | GG           | -/-          |
| rs3749034  | GAD1 (GAD) G5276A       | А                  | AG           | +/-          |
| rs2058725  | GAD1 (GAD) T21922C      | С                  | TC           | +/-          |
| rs3791851  | GAD1 (GAD) T30473C      | С                  | TC           | +/-          |
| rs2236418  | GAD2 (GAD) A26505496G   | G                  | AA           | -/-          |
| rs8190646  | GAD2 (GAD) A26520507G   | G                  | AA           | -/-          |
| rs1330581  | GAD2 (GAD) A26528835G   | G                  | AA           | -/-          |
| rs8190612  | GAD2 (GAD) C26512375T   | Т                  | CC           | -/-          |
| rs1805398  | GAD2 (GAD) G26474809T   | Т                  | GG           | -/-          |
| rs12009    | HSPA5 (GRP78) C11364T   | А                  | GG           | -/-          |
| rs430397   | HSPA5 (GRP78) G7548A    | Т                  | CC           | -/-          |
| rs2066786  | RFC1 P848P              | С                  | TC           | +/-          |
| rs6844176  | RFC1 T39366590C         | С                  | TC           | +/-          |
|            |                         |                    |              |              |



| Thiamin/Thiamine Degradation (Figure 11) |                         |             |              |              |  |
|--|-------------------------|-------------|--------------|--------------|--|
| SNP ID                                   | SNP Name                | Risk Allele | Your Alleles | Your Results |  |
| rs6851075                                | RFC1 T39367654C         | С           | TT           | -/-          |  |
| rs35786590                               | SLC19A1 A518V           | А           | GG           | -/-          |  |
| rs4818789                                | SLC19A1 C18559A         | Т           | TG           | +/-          |  |
| rs3788190                                | SLC19A1 C30428T         | А           | AG           | +/-          |  |
| rs1051298                                | SLC19A1 C32560T         | А           | AG           | +/-          |  |
| rs2330183                                | SLC19A1 G14094A         | Т           | TC           | +/-          |  |
| rs4819130                                | SLC19A1 G9087A          | Т           | TC           | +/-          |  |
| rs1051266                                | SLC19A1 H27R            | С           | TC           | +/-          |  |
| rs12659                                  | SLC19A1 P192P           | А           | AG           | +/-          |  |
| rs1051296                                | SLC19A1 T32525G         | С           | AC           | +/-          |  |
| rs3788200                                | SLC19A1 (THTR2) T10815C | G           | AG           | +/-          |  |
| rs6656822                                | SLC19A2 A23663G         | С           | TC           | +/-          |  |
| rs12185721                               | SLC19A3 L252L           | Т           | CC           | -/-          |  |
| rs2156310                                | TFF1 G781047A           | А           | AG           | +/-          |  |
| rs4687718                                | TKT A53282303G          | G           | AG           | +/-          |  |
| rs11130362                               | TKT C53265766T          | Т           | CC           | -/-          |  |
| rs4687717                                | TKT T53282188C          | С           | CC           | +/+          |  |
| rs766419                                 | TKTL1 A35635G           | G           | AA           | -/-          |  |
| rs2872817                                | TKTL1 A39392G           | G           | AA           | -/-          |  |
| rs766420                                 | TKTL1 C35378G           | G           | CC           | -/-          |  |
| rs969356                                 | TPK1 C364824T           | А           | AA           | +/+          |  |



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|            | HLA                 |             |              |              |
|------------|---------------------|-------------|--------------|--------------|
| SNP ID     | SNP Name            | Risk Allele | Your Alleles | Your Results |
| rs9271366  | HLA 4037578A>G      | G           | AA           | _/_          |
| rs2858331  | HLA 4126892A>G      | G           | AA           | -/-          |
| rs2187668  | HLA DQA1            | Т           | TC           | +/-          |
| rs3823339  | HLA-A 7727C>G       | G           | GC           | +/-          |
| rs1061235  | HLA-A 8057A>T       | Т           | AA           | -/-          |
| rs2523608  | HLA-B 7431C>T       | А           | AG           | +/-          |
| rs3819299  | HLA-B His363Pro     | G           | TT           | -/-          |
| rs2001181  | HLA-C 7911A>G       | С           | TT           | -/-          |
| rs23544    | HLA-DMB 4348055C>T  | Т           | CC           | -/-          |
| rs151719   | HLA-DMB 4348318T>C  | С           | TT           | -/-          |
| rs86567    | HLA-DOA 5631C>A     | G           | GG           | +/+          |
| rs2284191  | HLA-DOA 5736C>T     | А           | GG           | -/-          |
| rs399604   | HLA-DOA 7376A>G     | С           | TC           | +/-          |
| rs2581     | HLA-DOA 7989C>A     | Т           | TG           | +/-          |
| rs376892   | HLA-DOA 9503C>T     | А           | GG           | -/-          |
| rs1044429  | HLA-DOA 9748G>A     | Т           | CC           | _/_          |
| rs3128935  | HLA-DOA 9986A>G     | С           | TT           | _/_          |
| rs7383287  | HLA-DOB 6740T>C     | G           | AG           | +/-          |
| rs2071473  | HLA-DOB 7221G>A     | С           | CC           | +/+          |
| rs2071474  | HLA-DOB 7244G>A     | Т           | CC           | _/_          |
| rs2856997  | HLA-DOB 8050G>T     | А           | CC           | _/_          |
| rs11244    | HLA-DOB 9102C>T     | А           | AG           | +/-          |
| rs2301226  | HLA-DPA1 18960C>T   | А           | GG           | -/-          |
| rs3077     | HLA-DPA1 20534T>C   | G           | AA           | -/-          |
| rs9277535  | HLA-DPB1 16159A>G   | G           | AA           | -/-          |
| rs9277555  | HLA-DPB1 16903G>A   | А           | GG           | _/_          |
| rs9275224  | HLA-DQA2 3941621G>A | G           | AG           | +/-          |
| rs17500468 | HLA-DQA2 4156973A>G | G           | AA           | -/-          |
| rs9276431  | HLA-DQA2 4158042T>C | Т           | TT           | +/+          |
| rs17500510 | HLA-DQA2 4158614G>A | А           | GG           | -/-          |
| rs2239800  | HLA-DQA2 4159063A>G | G           | AA           | -/-          |
| rs7453920  | HLA-DQB2 4175809A>G | G           | AA           | -/-          |
| rs2051549  | HLA-DQB2 4175883G>A | А           | GG           | -/-          |
| rs1573649  | HLA-DQB2 Met1Thr    | А           | GG           | -/-          |
| rs3135394  | HLA-DRA 5055G>A     | G           | AG           | +/-          |
| rs9268645  | HLA-DRA 5085C>G     | G           | CG           | +/-          |
| rs3129878  | HLA-DRA 5293C>A     | С           | AC           | +/-          |
| rs3129882  | HLA-DRA 6087A>G     | G           | AA           | -/-          |
| rs6911777  | HLA-DRA 6553T>C     | С           | TT           | _/_          |
|            |                     |             |              |              |



|           | HLA                     |             |              |              |
|-----------|-------------------------|-------------|--------------|--------------|
| SNP ID    | SNP Name                | Risk Allele | Your Alleles | Your Results |
| rs3129883 | HLA-DRA 6694C>T         | Т           | CC           | -/-          |
| rs9268658 | HLA-DRA 7273G>A         | А           | AG           | +/-          |
| rs3135391 | HLA-DRA 7544G>A         | А           | GG           | -/-          |
| rs8084    | HLA-DRA 7592A>C         | С           | AC           | +/-          |
| rs2239804 | HLA-DRA 8080T>C         | С           | TC           | +/-          |
| rs3129888 | HLA-DRA 8283A>G         | G           | AA           | -/-          |
| rs2239803 | HLA-DRA 8390C>T         | Т           | TC           | +/-          |
| rs2239802 | HLA-DRA 8403G>C         | С           | GG           | -/-          |
| rs3177928 | HLA-DRA 8958G>A         | А           | GG           | -/-          |
| rs7194    | HLA-DRA 9003G>A         | G           | AG           | +/-          |
| rs1041885 | HLA-DRA 9332A>T         | А           | AT           | +/-          |
| rs7192    | HLA-DRA Leu242Val       | Т           | TG           | +/-          |
| rs660895  | HLA-DRB1 4028086A>G     | G           | AG           | +/-          |
| rs7775228 | HLA-DRB4 4103732T>C     | С           | TT           | -/-          |
| rs9268831 | HLA-DRB9 7239C>T        | С           | TC           | +/-          |
| rs9268832 | HLA-DRB9 7280T>C        | Т           | TC           | +/-          |
| rs2743951 | HLA-F-AS1 7747G>A       | С           | TT           | -/-          |
| rs2844846 | HLA-F-AS1, MICE 4945T>A | Т           | TT           | +/+          |
| rs1632933 | HLA-G 8178C>T           | Т           | TC           | +/-          |
| rs1063320 | HLA-G 8994C>G           | С           | CG           | +/-          |
| rs9380142 | HLA-G 9039A>G           | G           | AG           | +/-          |
| rs1610696 | HLA-G 9048C>G           | G           | CG           | +/-          |
| rs2517701 | HLA-W 2462A>T           | Т           | ТА           | +/-          |
| rs3094228 | HLA-X 441A>G            | С           | TC           | +/-          |
|           |                         |             |              |              |



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| Iron Uptake & Transport |                                     |             |              |              |
|-------------------------|-------------------------------------|-------------|--------------|--------------|
| SNP ID                  | SNP Name                            | Risk Allele | Your Alleles | Your Results |
| rs2622621               | ABCG2 126555G>C                     | G           | GG           | +/+          |
| rs2231164               | ABCG2 89015857C>T                   | Т           | TT           | +/+          |
| rs13120400              | ABCG2 89033527T>C                   | С           | TT           | -/-          |
| rs1481012               | ABCG2 89039082A>G                   | А           | AA           | +/+          |
| rs4148155               | ABCG2 89054667A>G                   | G           | AA           | -/-          |
| rs4148152               | ABCG2 89060909T>C                   | С           | TT           | -/-          |
| rs3114018               | ABCG2 89064581A>C                   | С           | AC           | +/-          |
| rs2622604               | ABCG2 89078924T>C                   | С           | CC           | +/+          |
| rs72552713              | ABCG2 Gln126Ter                     | А           | GG           | -/-          |
| rs2231142               | ABCG2 Gln141Lys                     | Т           | GG           | _/_          |
| rs3116448               | ABCG2 Ser248Pro                     | G           | AA           | -/-          |
| rs2266917               | ATP6V1B1 11708C>T                   | Т           | TT           | +/+          |
| rs2239484               | ATP6V1B1 15411A>G                   | G           | AA           | -/-          |
| rs2071594               | ATP6V1G2-DDX39B,ATP6V1G2<br>3093G>C | С           | CG           | +/-          |
| rs235756                | BMP2 C282Y                          | G           | AA           | -/-          |
| rs701755                | CP 148902714T>C                     | С           | TC           | +/-          |
| rs13072552              | CP 148913126G>T                     | Т           | GG           | -/-          |
| rs772908                | CP 148923656G>A                     | А           | AG           | +/-          |
| rs11709714              | CP 148931980G>A                     | А           | AG           | +/-          |
| rs701753                | CP Asp544Glu                        | А           | AA           | +/+          |
| rs960748                | CYBRD1 171523426G>A                 | А           | AA           | +/+          |
| rs10455                 | CYBRD1 Ser208Asn                    | А           | AA           | +/+          |
| rs1264216               | HEPH 57825T>G                       | G           | TT           | _/_          |
| rs17216603              | HEPH Ala598Thr                      | А           | GG           | _/_          |
| rs1800562               | HFE C282Y                           | А           | GG           | _/_          |
| rs1799945               | HFE H63D                            | G           | CG           | +/-          |
| rs1800730               | HFE S65C                            | Т           | AA           | -/-          |
| rs2071749               | HMOX1 11354A>G                      | G           | AA           | -/-          |
| rs11912889              | HMOX1 11558G>A                      | А           | GG           | -/-          |
| rs5755720               | HMOX1 14814A>G                      | G           | AA           | -/-          |
| rs2071748               | HMOX1 5559G>A                       | А           | GG           | -/-          |
| rs2071747               | HMOX1 Asp7His                       | С           | GG           | -/-          |
| rs149411                | SLC11A2 51380232A>G                 | G           | GG           | +/+          |
| rs224589                | SLC11A2 51399050T>G                 | G           | GG           | +/+          |
| rs4667287               | SLC40A1 190431875C>A                | С           | AA           | -/-          |
| rs1123109               | SLC40A1 190444392T>C                | С           | TT           | -/-          |
| rs708672                | STEAP3 10971G>T                     | G           | GG           | +/+          |
| rs12711924              | STEAP3 35788G>A                     | А           | AA           | +/+          |



| rs838102       STEAP3 8350G>A       A       GG         rs4241357       TF 15587G>T       T       TG       -         rs1799852       TF 15746C>T       T       CC       -         rs1880669       TF 23720T>C       T       TC       -         rs3811647       TF 24053G>A       A       AG       -         rs1358024       TF 24212C>T       T       TC       -         rs1130459       TF 5307A>G       A       AG       -         rs4428180       TF 6398A>G       G       AA       - |             |
|---|-------------|
| rs4241357       TF 15587G>T       T       TG       -         rs1799852       TF 15746C>T       T       CC       -         rs1880669       TF 23720T>C       T       TC       -         rs3811647       TF 24053G>A       A       AG       -         rs1358024       TF 24212C>T       T       TC       -         rs1130459       TF 5307A>G       A       AG       -         rs4428180       TF 6398A>G       G       AA       -  | Results     |
| rs1799852       TF 15746C>T       T       CC         rs1880669       TF 23720T>C       T       TC         rs3811647       TF 24053G>A       A       AG         rs1358024       TF 24212C>T       T       TC         rs1130459       TF 5307A>G       A       AG         rs4428180       TF 6398A>G       G       AA   | -/-         |
| rs1880669       TF 23720T>C       T       TC       TC         rs3811647       TF 24053G>A       A       AG       AG         rs1358024       TF 24212C>T       T       TC       T         rs1130459       TF 5307A>G       A       AG       AG         rs4428180       TF 6398A>G       G       AA       AA  | +/ <b>-</b> |
| rs3811647       TF 24053G>A       A       AG         rs1358024       TF 24212C>T       T       TC       T         rs1130459       TF 5307A>G       A       AG       AG         rs4428180       TF 6398A>G       G       AA  | -/-         |
| rs1358024       TF 24212C>T       T       TC       T         rs1130459       TF 5307A>G       A       AG       A         rs4428180       TF 6398A>G       G       AA  | +/ <b>-</b> |
| rs1130459     TF 5307A>G     A     AG       rs4428180     TF 6398A>G     G     AA   | +/ <b>-</b> |
| rs4428180 TF 6398A>G G AA   | +/ <b>-</b> |
|   | +/ <b>-</b> |
| rs12493168 TF 6612A>G G AA  | -/-         |
|   | -/-         |
| rs8177190 TF 7720C>T T CC   | -/-         |
| rs8177191 TF 8163G>A A GG   | -/-         |
| rs1799899 TF Gly277Ser A GG   | -/-         |
| rs1049296 TF Pro589Ser T TC   | +/ <b>-</b> |
| rs406271 TFRC 195776976T>C T TT   | -/+         |
| rs3804141 TFRC 195796908C>T T CC  | -/-         |
| rs480760 TFRC 195798258T>C T CC   | -/-         |
| rs3817672 TFRC Gly142Ser T TT   | -/+         |



AncestryDNAv2

|             | Molybder          | num         |              |              |
|-------------|-------------------|-------------|--------------|--------------|
| SNP ID      | SNP Name          | Risk Allele | Your Alleles | Your Results |
| rs291593    | DPYD 97543752G>A  | А           | AG           | +/-          |
| rs291592    | DPYD 97543764C>T  | Т           | TC           | +/-          |
| rs1399291   | DPYD 97576922C>T  | Т           | TC           | +/-          |
| rs828054    | DPYD 97610026G>T  | G           | TG           | +/-          |
| rs11587873  | DPYD 97653070C>T  | Т           | TC           | +/-          |
| rs12137711  | DPYD 97700589C>T  | Т           | TC           | +/-          |
| rs7548189   | DPYD 97867713C>A  | С           | CC           | +/+          |
| rs3918290   | DPYD 97915614C>T  | Т           | CC           | -/-          |
| rs17376848  | DPYD 97915624A>G  | G           | AA           | _/_          |
| rs56038477  | DPYD 98039419C>T  | Т           | CC           | _/_          |
| rs56293913  | DPYD 98039541A>G  | G           | AA           | _/_          |
| rs1801266   | DPYD Arg235Trp    | А           | GG           | -/-          |
| rs67376798  | DPYD Asp949Val    | А           | TT           | _/_          |
| rs1801265   | DPYD Cys29Arg     | А           | AA           | +/+          |
| rs1801159   | DPYD Ile543Val    | С           | TT           | -/-          |
| rs55886062  | DPYD Ile560Asn    | С           | AA           | -/-          |
| rs2297595   | DPYD Met166Val    | С           | TT           | -/-          |
| rs1801158   | DPYD Ser534Asn    | Т           | CC           | -/-          |
| rs115232898 | DPYD Tyr186Cys    | С           | TT           | -/-          |
| rs1801160   | DPYD Val732Ile    | Т           | 00           | -/-          |
| rs1801268   | DPYD Val995Phe    | А           | CC           | -/-          |
| rs2301995   | ELN 14714G>A      | А           | GG           | -/-          |
| rs4717865   | ELN 16773G>A      | А           | AG           | +/-          |
| rs2856728   | ELN 33356C>T      | Т           | TT           | +/+          |
| rs2528795   | ELN 36068T>C      | С           | TT           | -/-          |
| rs2071307   | ELN Gly422Ser     | G           | GG           | +/+          |
| rs41511151  | ELN Gly711Asp     | А           | GG           | -/-          |
| rs8020095   | GPHN 484734G>A    | А           | AG           | +/-          |
| rs2297385   | KCNQ2 62070966G>A | А           | GG           | -/-          |
| rs1801475   | KCNQ2 Asn752Thr   | Т           | GG           | -/-          |
| rs7785      | PNP 12473C>T      | Т           | CC           | -/-          |
| rs1049564   | PNP Gly51Ser      | G           | GG           | +/+          |
| rs121908008 | SUOX Ala265Asp    | А           | CC           | -/-          |
| rs121908007 | SUOX Arg217Gln    | А           | GG           | -/-          |
| rs121908009 | SUOX Gly530Asp    | А           | GG           | _/_          |
| rs723744    | TTR 5747G>T       | Т           | TT           | +/+          |
| rs1800458   | TTR Gly26Ser      | А           | GG           | _/_          |
| rs76992529  | TTR Val142Ile     | А           | GG           | _/_          |
| rs207444    | XDH 31563797A>G   | А           | GG           | -/-          |



|            | Molybder        | num         |              |              |
|------------|-----------------|-------------|--------------|--------------|
| SNP ID     | SNP Name        | Risk Allele | Your Alleles | Your Results |
| rs1884725  | XDH 31571786A>G | А           | AG           | +/-          |
| rs1429376  | XDH 31588561A>C | А           | AA           | +/+          |
| rs185925   | XDH 31609993G>A | G           | AG           | +/-          |
| rs2073316  | XDH 31611029G>A | А           | GG           | -/-          |
| rs206811   | XDH 31636915A>G | А           | AG           | +/-          |
| rs17323225 | XDH Ile646Val   | С           | TT           | -/-          |
| rs17011368 | XDH Ile703Val   | С           | TT           | -/-          |



| Muscle Fatigue & Pain |                    |             |              |              |
|-----------------------|--------------------|-------------|--------------|--------------|
| SNP ID                | SNP Name           | Risk Allele | Your Alleles | Your Results |
| rs926938              | AMPD1 114697195A>G | А           | AG           | +/-          |
| rs35859650            | AMPD1 Arg421Trp    | А           | GG           | -/-          |
| rs121912682           | AMPD1 Arg458His    | Т           | CC           | -/-          |
| rs17602729            | AMPD1 Gln45Lys     | А           | GG           | -/-          |
| rs61752478            | AMPD1 Met343Ile    | А           | CC           | -/-          |
| rs587777394           | AMPD2 Asp793Tyr    | Т           | GG           | -/-          |
| rs587777392           | AMPD2 Glu778Asp    | С           | GG           | -/-          |
| rs3741040             | AMPD3 Arg582Cys    | Т           | CC           | -/-          |



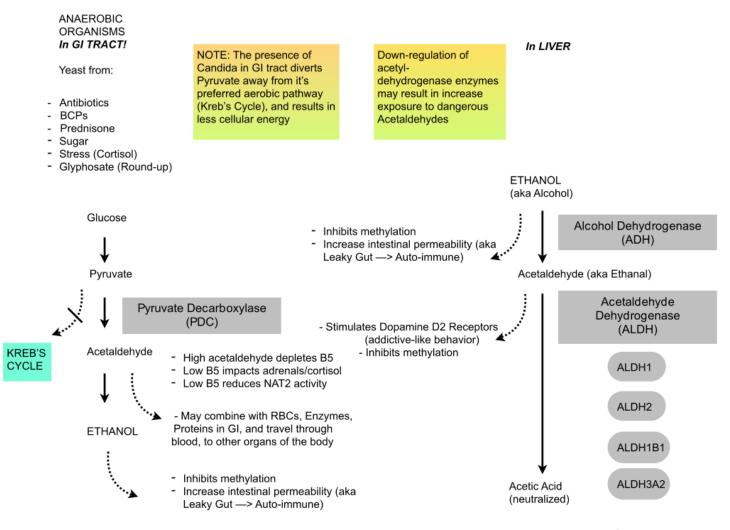
PHASE I PHASE II (Cytochrome P450) (Conjugation Pathways) Fat Soluble Metabolite (e.g., Intermediary hormones, CYP19A1 Water Soluble Acetylation - NAT1, NAT2, etc. Metabolites toxins) CYP1A1 Excretory CYP1A2 Glucaronidation - UGT1A1, UGT2A1, Derivative CYP1B1 (reproductive tissue, eye) etc. CYP21A1 CYP2481 Glutathione Conjugation - GGT1, CYP26A1 GPX3, GSR, GSTM, GSTP, etc. CYP27B1 Serum to CYP2A13 Peptide Conjugation - Glycine, Kidneys to CYP2A6 Taurine CYP2B6 Urine CYP2C19 OR Methylation -MTHFR, MTR, MTRR, CYP2C9 Bile to COMT, etc. CYP2D6 Stool CYP3A4 Sulfation - SULT1A1, SULT1A2, etc. Enzyme Cofactors: Enzyme Cofactors: Vits B2, B3, B6, B9 (folate), Glycine, Taurine, Glutamine, B12, Glutathione, Leucine, N-acetylcysteine, Cysteine, Methionine Isoleucine, Valine, NOTE: Slow Phase Flavonoids, Phospholipids II Conjugation . نىنىنىڭ (e.g., COMT SNPs) wrt to Phase I, Reactive Oxygen contributes to Intermediaries disease as (Anti-oxidants quench) Reactive Oxygen Intermediaries can cause free radical damage to tissue

PHASE I & II LIVER DETOX

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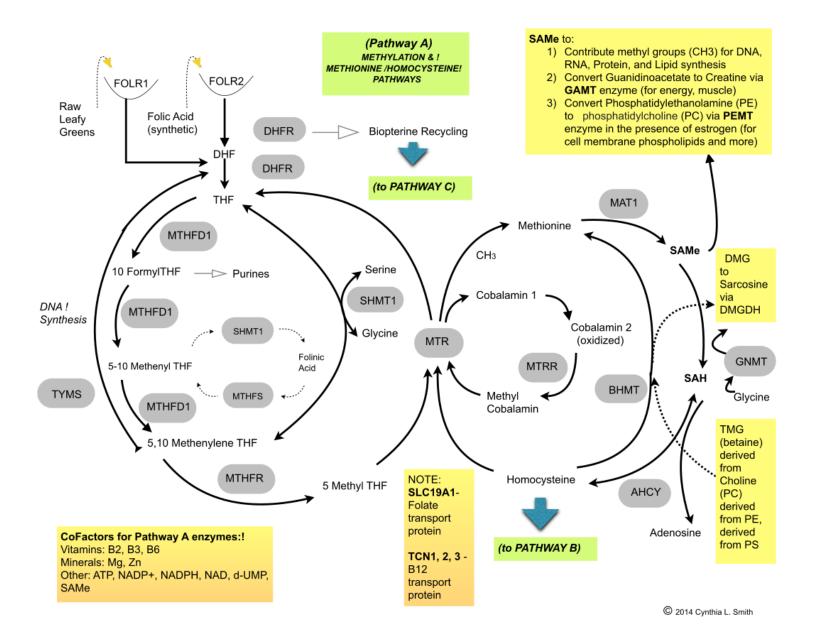


#### YEAST & ALCOHOL METABOLISM -> METHYLATION INHIBITION & LEAKY GUT & LOW ENERGY PRODUCTION (decreased Kreb's)

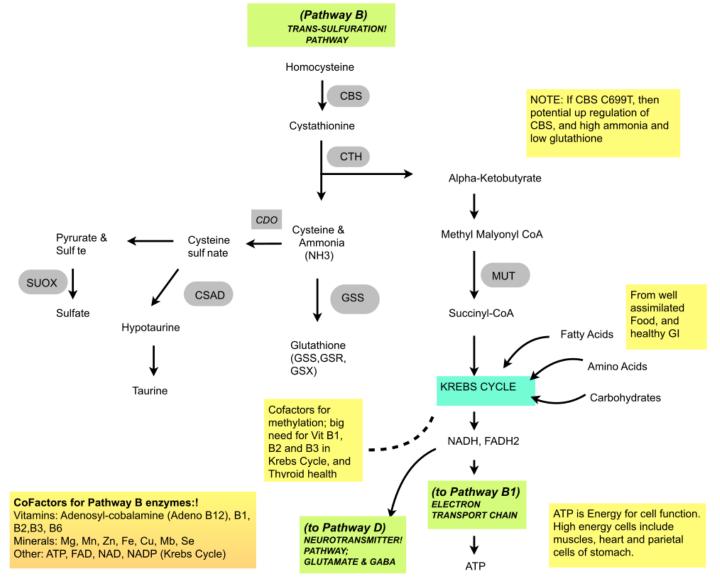


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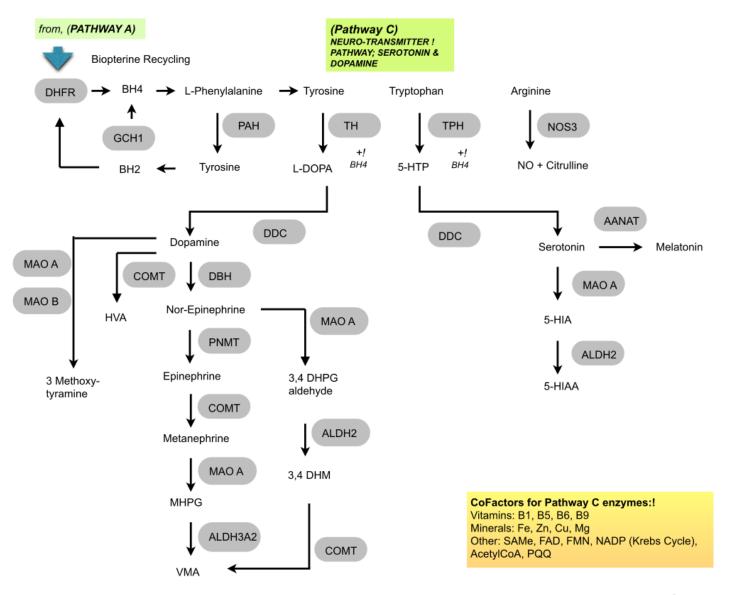






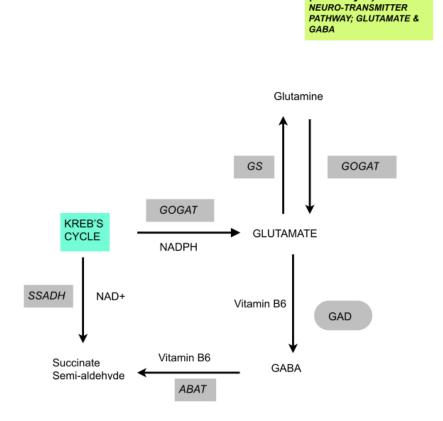
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(Pathway D)

GS - Glutamine Synthetase - Located in brain astrocytes. Neuro-protective against excitotoxicity via taking up excess ammonia and glutamate and converting it into glutamine via the enzyme GS

GOGAT - aka Glutamate Synthase (NADPH) - Manufactures glutamate from glutamine and  $\alpha$ -ketoglutarate, and thus along with glutamine synthetase (abbreviated GS) plays a central role in the regulation of nitrogen assimilation

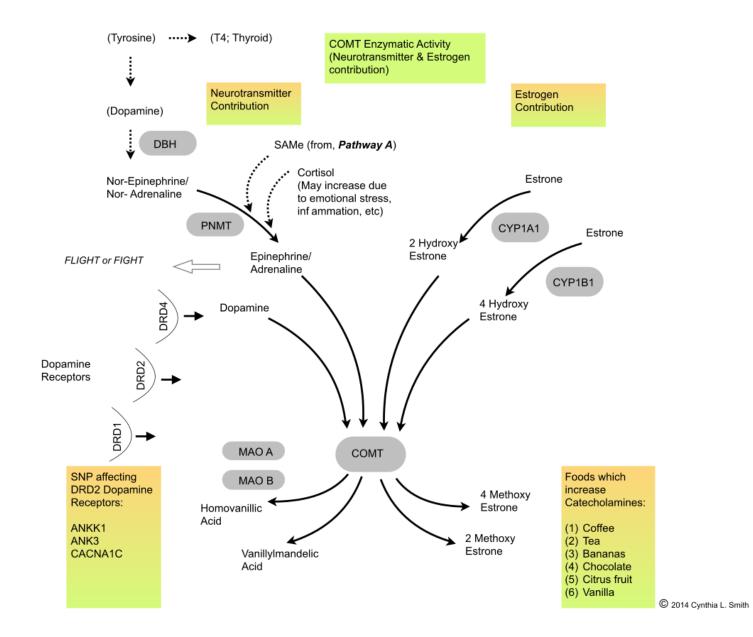
GAD - Glutamate decarboxylase -Responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid

ABAT - 4-aminobutyrate aminotransferase - Responsible for catabolism of gamma-aminobutyric acid (GABA), a mostly inhibitory neurotransmitter in the central nervous system, into succinic semialdehyde

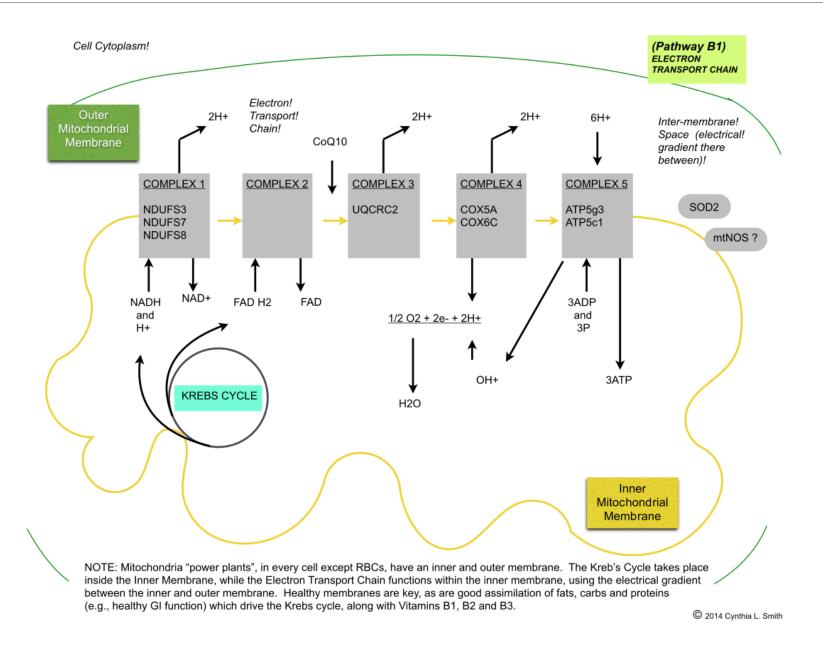
SSADH - Succinate semialdehyde dehydrogenase - one of three enzymes utilized in 4-aminobutyrate (GABA) degradation

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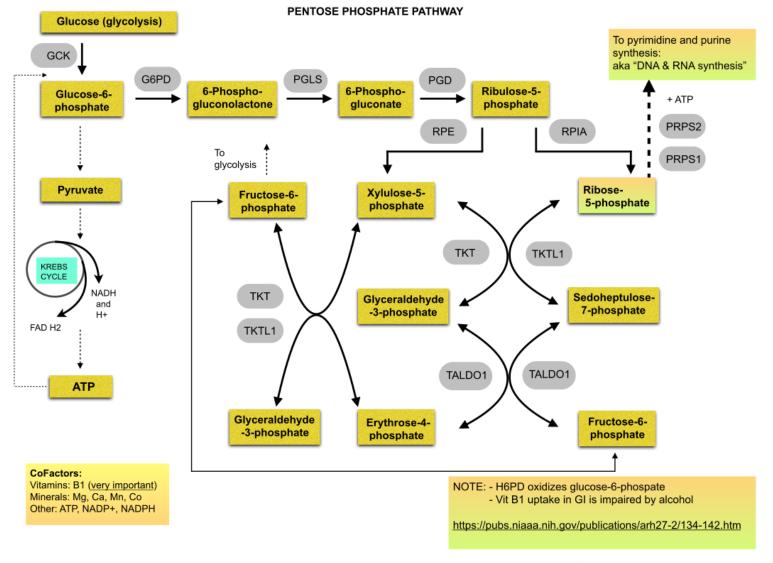








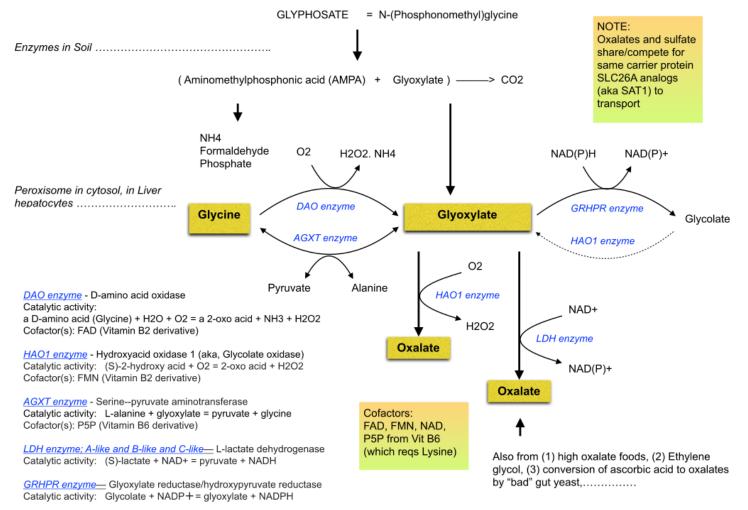




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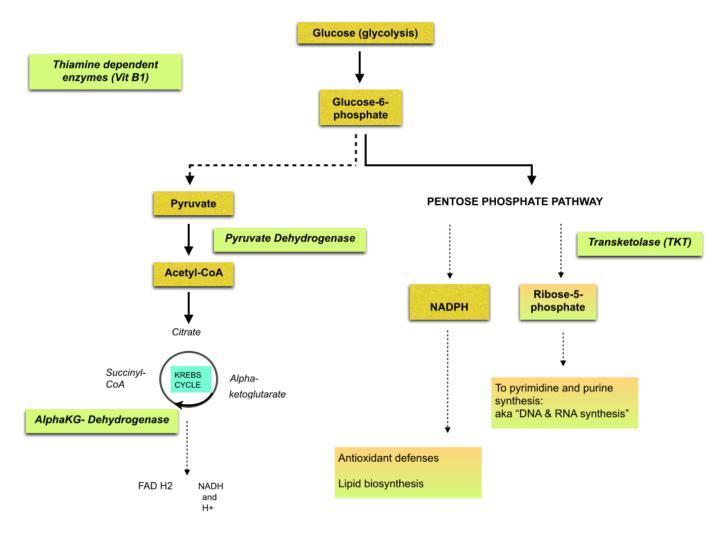
#### GLYPHOSATE DEGRADATION



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#### OVERVIEW CONNECTION BETWEEN: GLYCOLYSIS & PENTOSE PHOSPHATE PATHWAY & KREBS CYCLE & THIAMINE



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