

## CGT Essential V2.1 Variants List

Gene	Tested Variants
MMACHC NM_015506.2	c.1A>G; c.3G>A; c.81+2T>G; c.82-1G>A; c.90G>A; c.217C>T; c.271dupA; c.273_276delAGAG; c.285dupA; c.292C>T; c.310_313delGACT; c.315C>G; c.328_331delAACC; c.331C>T; c.347T>C; c.352delC; c.388_390delTAC; c.389A>G; c.391C>T; c.394C>T; c.398_399delAA; c.420G>A; c.427C>T; c.445_446delTG; c.440G>A; c.440G>C; c.457C>T; c.464G>A; c.471G>A; c.481C>T; c.482G>A; c.500delC; c.507_519delAGAGGTGCCAGAT; c.547_548delGT; c.565delC; c.565C>A; c.567dupT; c.608G>A; c.609G>A; c.615C>G; c.619dupG; c.616C>T; c.658_660delAAG; c.666C>A; c.688C>T
<b>ACADM</b> NM_001286043.1	c.942A>T; c.199T>C; c.30+2T>C; c.107_113dupGATTTAG; c.118+1G>T; c.157C>T; c.173_174delAG; c.216+2T>G; c.224delT; c.233T>C; c.244dupT; c.250C>T; c.253G>A; c.270_271delCA; c.286+2T>G; c.386-2A>G; c.386-1G>C; c.421_424delATTA; c.419T>C; c.446G>A; c.461C>T; c.486+1G>A; c.486+1G>T; c.525delG; c.530_533delAGTA; c.536delT; c.548_551delCTGA; c.546G>A; c.563T>C; c.568-2A>C; c.568-1G>A; c.676A>G; c.682G>A; c.698+1G>A; c.698+2T>C; c.699-18G>A; c.715C>T; c.716G>T; c.797T>C; c.807+1G>A; c.807+2T>G; c.808-2A>C; c.808-1G>A; c.829T>C; c.833C>T; c.841A>G; c.896A>G; c.898G>A; c.916_928delGCAATGGGAGCTT; c.948+1G>A; c.949-2A>G; c.981_982delAG; c.980G>C; c.1012G>T; c.1025dupT; c.1045-2A>C; c.1048C>T; c.1056_1057delAT; c.1058C>A; c.1076T>C; c.1083delG; c.1084A>G; c.1098_1110dupTAGAATGAGTTAC; c.1111_112insTAGAATGAGTTAC; c.1111C>T; c.1144delC; c.1144C>T; c.1151C>T; c.1172delA; c.1201_1204delTTAG; c.1213dupG; c.1223T>C; c.1249G>T; c.1288dupT; c.1293+1G>A; c.1294-2A>T; c.1294-1G>C; c.893_902delGTGACGGAGCinsTTTAA; c.708A>C; c.217-1G>A; c.727C>T
<b>DHCR7</b> NM_001163817.1	c.1426T>C; c.1396G>A; c.1342G>A; c.1337G>A; c.1328G>A; c.1228G>A; c.1222T>C; c.1210C>T; c.1057delG; c.1055G>A; c.1054C>T; c.976G>T; c.964-1G>T; c.964-1G>C; c.963+2T>G; c.963+1G>T; c.939G>A; c.934_935delGT; c.915C>G; c.907G>A; c.906C>G; c.894C>A; c.870G>A; c.866C>T; c.862G>A; c.858G>A; c.841G>A; c.832-1G>C; c.831+2T>A; c.804delT; c.740C>T; c.725G>A; c.724C>T; c.627-1G>A; c.626+1G>T; c.626+1G>C; c.470T>C; c.461C>T; c.461C>G; c.453G>A; c.452G>A; c.440G>A; c.413-1G>A; c.413-2A>G; c.385_412+5delATCCAGGAGGGGGCCGTGACTCCTGCAGGTAGC; c.322-2A>G; c.292C>T; c.278C>T; c.151C>T; c.111G>A; c.99-1G>C; c.89G>C; c.82C>T; c.16C>T; c.3G>A; c.1A>G; c.1084C>T; c.895C>T; c.506C>T; c.1190C>T; c.1112G>A; c.1139G>A; c.1214delA; c.546G>A; c.651C>A; c.696G>A; c.9952delT
<b>HBB</b> NM_000518.4	c.440_441dupAC; c.440A>T; c.440A>C; c.439C>G; c.438T>A; c.437A>G; c.436T>C; c.435G>C; c.431A>C; c.428C>A; c.421G>A; c.383A>C; c.371_378delCCCCACCA; c.364G>A; c.364G>T; c.347C>A; c.344T>C; c.343_344delCTinsG; c.341T>A; c.332T>C; c.328delG; c.328G>A; c.323dupG; c.320T>G; c.316-1G>T; c.316-1G>A; c.316-2A>G; c.316-2A>C; c.316-3C>A; c.315+2T>G; c.315+1G>A; c.315+1G>C; c.312C>G; c.306G>C; c.305A>G; c.304G>A; c.302C>T; c.299A>T; c.299A>C; c.298G>T; c.298G>C; c.298G>A; c.295G>A; c.293A>T; c.287dupA; c.282_283dupTG; c.283G>C; c.277C>T; c.277C>A; c.277C>A; c.275T>C; c.271G>T; c.269G>A; c.268A>C; c.257T>C; c.251delG; c.248A>T; c.248A>C; c.247A>G; c.230delC; c.226delC; c.217_221delAGTGAinsT; c.217dupA; c.216dupT; c.208G>A; c.206T>A; c.203_204delTG; c.201delA; c.199A>G; c.194delG; c.190C>T; c.184A>T; c.182T>A; c.179A>C; c.176C>G; c.162delT; c.143_146dupATCT; c.143dupA; c.135delC; c.134C>G; c.130G>T; c.126_129delCTTT; c.128T>C; c.127T>G; c.127T>C; c.114_120delGACCCAG; c.117_118delCC; c.118C>T; c.114G>A; c.113G>A; c.112delT; c.110delC; c.108C>A; c.103G>T; c.93G>T; c.93-17_93-1delTATTTTCCCACCCTTAG; c.93-1G>A; c.93-1G>C; c.93-2A>C; c.93-21G>A; c.92+6T>C; c.92+2T>C; c.92+2T>A; c.92+1G>A; c.92+1G>T; c.92G>C; c.92G>A; c.91A>C; c.90C>T; c.79_80insT; c.80A>G; c.79G>T; c.79G>A; c.75T>A; c.64dupG; c.59A>G; c.52A>T; c.51delCT; c.8A>C; c.46delT; c.36C>C; c.36C>C; c.78A>C; c78A>C; c78A>C; c80T>A; c.316-7C>G; c.316-7C>G; c.380T>G; c81A>G; c29G>A; c18C>G; c.*6C>G; c.82G>T; c137C>T; c137C>G; c.*11A>G; c50A>C; c18C>G; c.*6C>G; c.82G>T; c137C>T; c137C>G; c.*11A>G; c50A>C; c18C>G; c.*6C>G; c.82G>T; c137C>T; c137C>G; c.*11A>G; c51A>G; c50C>T; c138C>T; c136C>G; c.*110T>C; c.*111A>G; c.*113A>G
<b>PAH</b> NM_000277.1	C.1355dupA; C.1340C>A; C.1314_1315+4delCAGTAA; C.1315+2T>C; C.1315+1G>A; C.1315+1G>T; C.1301C>A; C.1298dupT; C.1293_1294delGA; C.1282C>T; C.1256A>G; C.1252A>C; C.1249T>C; C.124G>A; C.1241A>G; C.1240T>C; C.1238G>C; C.1223G>A; C.1221A>C; C.1294C>T; C.1209delT; C.1208C>T; C.1200-1G>A; C.1200-8G>A; C.1199+1TG>A; C.1199+2T>G; C.1199+1G>C; C.1199+1G>C; C.1199+1G>A; C.1199+1G>C; C.1199+1G>A; C.1194A>T; C.1169A>G; C.1169A>G; C.1166delC; C.1163T>C; C.1162G>A; C.1162G>C; C.1180G>T; C.1180G>T; C.1171_172delAG; C.1174A>T; C.1089delG; C.1076C>G; C.1068C>G; C.1068C>A; C.1066-2A>T; C.1066-3C>T; C.1066-1G>A; C.1065+1G>A; C.1055delG; C.1049C>A; C.1045T>C; C.1042C>G; C.1033G>A; C.1033G>T; C.1028A>G; C.1024delG; C.1025C>A; C.1004A>C; C.997C>T; C.992T>C; C.978G>A; C.977C>A; C.975C>G; C.974A>G; C.970-1G>A; C.970-1G>A; C.967_969delACA; C.955G>T; C.941C>A; C.940C>A; C.934G>T; C.931_293delCT; C.932T>C; C.929C>T; C.926C>T; C.926C>A; C.916delA; C.916A>G; C.913-7A>G; C.912-7TA>G; C.912-4TS>G; C.912-4TG>A; C.910C>T; C.901C>A; C.898G>T; C.896T>G; C.895T>C; C.890G>A; C.887A>G; C.824C>T; C.841C>T; C.



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<b>PMM2</b> NM_000303.2	c.395T>C; c.1A>G; c.24delC; c.67-2A>T; c.95T>G; c.95_96delTAinsGC; c.104T>A; c.157C>T; c.179-1G>T; c.189delA; c.193G>T; c.205C>T; c.255+1G>A; c.255+2T>C; c.256-2A>G; c.256-1G>C; c.310C>G; c.323C>T; c.324delG; c.338C>T; c.345dupG; c.347+1G>A; c.348-2A>C; c.348-1G>C; c.349G>C; c.357C>A; c.359T>C; c.367C>T; c.385G>A; c.392delC; c.414delA; c.415G>A; c.422G>A; c.430T>C; c.442G>A; c.451_454delGAAA; c.454_455delAA; c.458T>C; c.470T>C; c.484C>T; c.511dupA; c.524-2A>G; c.560G>A; c.563A>G; c.580C>T; c.620T>C; c.623G>C; c.639+1G>A; c.647A>T; c.652C>G; c.653A>T; c.669C>G; c.677C>G; c.691G>A; c.710C>G; c.710C>T; c.722G>C; c.447+5G>A; c.53C>G; c.131T>C; c.355T>C; c.190delT; c.109C>T; c.368G>A; c.26G>A; c.178+1GA; c.179-1G>C; c.192C>G; c.395T>C; c.421C>T; c.435C>G; c.561G>A; c.661T>G; c.72delT; c.97C>T
<b>GAA</b> NM_000152.4	c.1128_1129delGGinsC; c.1129G>C; c.1134C>G; c.1143delC; c.1153delC; c.1156C>T; c.1165delG; c.1192dupC; c.1193delT; c.1194+2T>C; c.1195-1G>A; c.1222A>G; c.1292_1295dupTGCA; c.1309C>T; c.1316T>A; c.1326+1G>A; c.1326+2T>C; c.1411_141delGAGA; c.1437+1G>A; c.1438-2A>G; c.1438-1G>C; c.1441T>C; c.1447G>A; c.1465G>A; c.1478C>T; c.1496G>A; c.1548G>A; c.1551+1G>C; c.1551+1G>T; c.1552-3C>G; c.1552-2A>G; c.1556T>C; c.1561G>A; c.1564C>A; c.1564C>G; c.1567delT; c.1655T>C; c.1687C>T; c.1754+1G>A; c.1799G>A; c.1802C>A; c.1802C>T; c.1802C>G; c.1824_1828dupATACG; c.1827delC; c.1832G>A; c.1843G>A; c.1856G>A; c.1912G>T; c.1927G>A; c.1933G>C; c.1933G>T; c.1933G>A; c.1935C>A; c.1941C>G; c.1942G>A; c.1961C>A; c.1979G>A; c.2012T>G; c.2014C>T; c.2015G>A; c.2040+1G>T; c.2061delC; c.2104C>T; c.2105G>A; c.2136_2137delGT; c.2140delC; c.2161dupG; c.2173C>T; c.2185delC; c.2188G>T; c.2189+1G>T; c.2213G>A; c.2214G>A; c.2227C>T; c.2242delG; c.2242dupG; c.2237G>A; c.2237G>C; c.2238G>A; c.2238G>C; c.2242G>T; c.2269C>T; c.2281delGinsAT; c.2300delT; c.2331+2T>A; c.2332-1G>C; c.2367dupA; c.2407C>T; c.2495_2496delCA; c.2501_2502delCA; c.2512C>T; c.2544delC; c.2560C>T; c.2608C>T; c.2646+2T>A; c.2662G>T; c.2704_2716dupCAGAAGGTGACTG; c.2704C>T; c.2706delG; c.2815_2816delGT; c.1978C>T; c.1634C>T; c.1822C>T; c.877G>A
<b>AGXT</b> NM_000030.2	c.245G>A; c.847-3C>G; c.698G>A; c.346G>A; c.2T>C; c.2_3delTGinsAT; c.3G>T; c.74T>G; c.77T>C; c.107G>A; c.116_117dupCA; c.122G>A; c.122G>T; c.125G>A; c.130C>T; c.139G>A; c.166-1G>A; c.167T>A; c.187G>C; c.198C>G; c.205C>T; c.209C>A; c.215dupA; c.221_227dupTCACACT; c.242C>A; c.242C>T; c.244G>C; c.248A>G; c.276delT; c.283_285dupGAG; c.283G>A; c.327delG; c.322G>A; c.324G>T; c.326G>T; c.331C>T; c.332G>A; c.335C>A; c.349G>T; c.358+1G>T; c.358+2T>G; c.424-2A>G; c.445delG; c.466G>A; c.473C>A; c.473C>T; c.481G>C; c.481G>T; c.481G>A; c.497T>C; c.508G>A; c.518G>A; c.519C>A; c.524+2T>A; c.525-1G>A; c.533G>A; c.547G>A; c.560C>T; c.570delG; c.568G>A; c.577dupC; c.577delC; c.583A>C; c.584T>G; c.596-2A>G; c.603C>A; c.605T>A; c.612C>A; c.613T>C; c.614C>A; c.614C>T; c.642_645delTCCA; c.646G>A; c.661T>C; c.673_676delAAGG; c.679_680+2delAAGT; c.680+1G>A; c.680+1G>C; c.680+2T>A; c.681-1G>T; c.698C>T; c.776+1G>C; c.777-2A>G; c.777-1G>C; c.798_802delCATCAinsACAATCTCAG; c.806T>C; c.823_824dupAG; c.822G>C; c.834delC; c.844C>T; c.846G>C; c.846+1G>A; c.846+1G>T; c.847-1G>C; c.851T>C; c.853G>T; c.891T>G; c.893T>C; c.907C>T; c.997A>T; c.1014C>G; c.1045G>A; c.1071+1G>A; c.1076T>C; c.1079G>A; c.1079G>C; c.1102G>A; c.1125_1126delCG; c.1151T>C; c.1049G>A; c.302T>C
<b>HADHA</b> NM_000182.4	c.337T>C; c.1246C>T; c.1241T>C; c.1235_1236delCT; c.1229C>T; c.1228A>G; c.1225C>G; c.1225C>T; c.1192G>T; c.1188delC; c.1157A>C; c.1124G>C; c.1118G>A; c.1117G>A; c.1095T>A; c.1088G>A; c.1081G>A; c.1081G>C; c.1077delT; c.1072_1074delGAG; c.1072G>A; c.1069C>T; c.1067G>C; c.1066C>T; c.1057_1058delAT; c.1055_1056delCT; c.1037delG; c.1033_1034delTC; c.1025G>A; c.1024C>T; c.1024C>G; c.1023A>C; c.1021G>T; c.1020G>A; c.1018T>C; c.999+2T>C; c.996_999delACAG; c.983G>C; c.982G>C; c.982G>A; c.980A>T; c.980A>G; c.979C>A; c.974G>A; c.973G>A; c.966C>A; c.959_962delATCA; c.950T>G; c.916C>T; c.902G>A; c.901C>T; c.899T>C; c.896A>G; c.893A>G; c.890C>T
<b>CBS</b> NM_000071.2	c.1552+1G>A; c.1545delG; c.1468-1G>A; c.1359-1G>C; c.1358+2T>C; c.1358+1G>A; c.1330G>A; c.1321A>T; c.1280C>T; c.1224-2A>C; c.1219_1223+8del; c.1223G>A; c.1221delC; c.1218delG; c.1150A>G; c.1136G>A; c.1111G>A; c.1109G>A; c.1087delG; c.1051G>C; c.1039G>A; c.1009_1012delATGC; c.1007G>A; c.1006C>T; c.992C>A; c.969G>A; c.959T>C; c.954+2T>G; c.954+1G>A; c.919G>A; c.904G>A; c.903C>G; c.833T>C; c.829-1G>C; c.828+1G>A; c.816T>A; c.797G>A; c.785C>T; c.770C>T; c.738delG; c.737-1G>C; c.736+2T>G; c.707_708delCCinsGGTG; c.700G>A; c.667G-A; c.667-14_667-7delCTCTTTCT; c.572C>T; c.536_553del; c.532-2A>G; c.494G>A; c.467delT; c.451+1G>T; c.442G>A; c.434C>T; c.430G>A; c.415G>A; c.402delG; c.374G>A; c.373C>T; c.362G>A; c.346G>A; c.341C>T; c.325T>C; c.316+1G>A; c.306G>C; c.302T>C; c.253G>A; c.233C>G; c.209+2T>C; c.209+1G>C; c.153_165del; c.162G>A; c.146C>T; c.18_36del; c.28delG; c.19dupC
<b>ARSA</b> NM_000487.5	c.1226C>T; c.869G>A; c.1223_1231delGTGATACCA; c.1229C>T; c.1462C>T; c.1408_1418delGCAGCTGTGAC; c.1344dupC; c.1337delG; c.1283C>T; c.1279C>A; c.1274A>G; c.1264delC; c.1210+1G>A; c.1210+1G>T; c.1114C>T; c.1108-2A>G; c.1107+1delG; c.1036delG; c.1010A>T; c.991G>T; c.986C>T; c.980-2A>C; c.979_979+3delGGTC; c.979+1G>A; c.979G>A; c.960G>A; c.938G>A; c.937C>T; c.929delG; c.905G>T; c.899T>C; c.891delC; c.890C>A; c.883G>A; c.877C>T; c.868C>T; c.862A>C; c.854+1G>T; c.827C>T; c.769G>C; c.763G>A; c.758dupT; c.746T>C; c.739G>A; c.737G>A; c.697C>A; c.674_675dupAT; c.641C>T; c.542T>G; c.526C>T; c.474C>A; c.470C>G; c.467G>A; c.466-2A>G; c.465+2T>A; c.465+1G>A; c.421C>T; c.418delC; c.418dupC; c.410T>C; c.346C>T; c.304delC; c.302delG; c.302G>A; c.293C>T; c.263G>A; c.257G>A; c.256C>T; c.240dupC; c.229G>C; c.227_228insTA; c.225-2A>G; c.224+1G>A; c.211_212delTG; c.206_209delCTCT; c.195delC; c.185_186dupCA; c.109_116delGACCTGGG; c.98T>C; c.1136C>T; c.1174C>T; c.257G>T; c.270C>A; c.774delA
<b>BTD</b> NM_001281723.2	c.449G>A; c.998_1007delACCTTATAAT; c.600_602delCGT; c.44+1G>A; c.44+1G>C; c.44+1G>T; c.104_110delGCGGCTGinsTCC; c.113dupA; c.124_125delCT; c.142G>T; c.166G>T; c.177T>G; c.190G>A; c.190G>T; c.196G>A; c.198G>C; c.208_211dupATCC; c.200A>G; c.241C>T; c.251C>A; c.263T>G; c.268C>T; c.272delA; c.284A>G; c.289C>T; c.304G>A; c.316-1G>T; c.316G>T; c.322C>T; c.329_330dupTA; c.332dupT; c.332T>G; c.340G>A; c.340G>C; c.347G>T; c.378_381dupCATT; c.388T>G; c.399delC; c.412delC; c.426G>A; c.430C>A; c.451T>C; c.460A>C; c.461C>G; c.465G>A; c.472C>T; c.475C>T; c.476G>A; c.496_497delAG; c.534G>T; c.550delA; c.563G>A; c.565C>T; c.590A>G; c.593delC; c.593C>G; c.600delC; c.632G>A; c.637delC; c.635A>G; c.637C>T; c.643delC; c.649C>T; c.652T>A; c.658G>C; c.660G>C; c.670G>C; c.670G>A; c.689A>G; c.699delC; c.707C>T; c.715G>A; c.740G>A; c.761A>G; c.764C>T; c.789C>G; c.800A>T; c.838C>G; c.842T>A; c.842T>G; c.871G>C; c.893T>G; c.901G>C; c.902C>T; c.904A>C; c.935G>A; c.938G>A; c.939delT; c.939T>G; c.1007T>A; c.1055delC; c.1058delC; c.1102_1103dupTC; c.1132C>T; c.1163G>A; c.1164G>A; c.1197_1198delGA; c.1213T>G; c.1233_1247delGGGAAAGGAAGGCTAinsTTCCAATGGCC; c.1245delC; c.1247_1258delATCTCCACGTCT; c.1270dupC; c.1281T>G; c.1290C>A; c.1320T>A; c.1330delG; c.1358_1359delGC; c.1367A>G; c.1374A>C; c.1378dupT; c.1390delA; c.1400dupG; c.1461C>G; c.1464delG; c.1465delT; c.1495C>T; c.1499dupT; c.1514_1518delGGATG; c.1563T>G; c.1601C>T; c.1618C>T; c.1622dupT; c.1274dupA; c.1324delG; c.1447G>T; c.557T>A; c.637delG; c.933delT; c.494dupG; c.442T>C; c.1495dupT; c.1555dupT



<b>SLC26A2</b> NM_000112.3	c.47C>G; c.55G>T; c.63_64delCA; c.185C>G; c.188delA; c.207delT; c.239_243dupGCAGT; c.255delC; c.325_326delTT; c.331G>T; c.387T>G; c.391delC; c.398C>T; c.403C>A; c.451delT; c.485_486delTG; c.496G>A; c.499delG; c.532C>T; c.541C>T; c.578_581delCCTT; c.611T>G; c.642_643delAA; c.699+2T>C; c.700-2A>G; c.700-1G>C; c.705_711delGATGGGC; c.835C>T; c.906_907delCT; c.1020_1022delTGT; c.1157C>T; c.1242_1245delAAAC; c.1273A>G; c.1361A>C; c.1451G>A; c.1535C>A; c.1724delA; c.1957T>A; c.1976delT; c.1983delA; c.2033G>T; c.2124_2125dupCT; c.117delC; c.1303dupA; c.1639CT; c.1650delG; c.166delAinsCTC; c.1714delC; c.223CT; c26+2T>C; c.294G>A; c.2T>C; c.1777G>T; c.1800C>G; c.1878delG; c.854C>A; c.909T>A
<b>GALT</b> NM_000155.3	C.607S-A; C.1AS-G; C.18delC; C.25C>T; C.41delCinsTT; C.82G>C; C.82G>T; C.83-2A>G; C.90G>C; C.95T>A; C.98G>A; C.113A>C; C.130G>T; C.130G>A; C.136_140delGCTCA; C.152G>T; C.160C>T; C.163G>T; C.180delG; C.197C>A; C.199C>T; C.203A>C; C.207_214delCCCTCTCA; C.220_221delCT; C.220_221insG; C.221T>C; C.238C>T; C.253-2A>G; C.265T>G; C.265T>C; C.285T>G; C.289_291delAAC; C.289A>G; C.292G>A; C.299C>G; C.307C>T; C.308A>G; C.328+2T>C; C.329-2A>C; C.334dupA; C.337G>A; C.341A>T; C.350T>C; C.354A>C; C.367C>T; C.368G>A; C.374T>C; C.377+1G>T; C.378-2A>T; C.385A>T; C.386T>C; C.392T>G; C.398_399dupCC; C.396C>A; C.400delT; C.404C>G; C.404C>T; C.410dupT; C.413C>T; C.416T>C; C.424A>G; C.425T>C; C.49C>T; C.490E>T; C.490T>C; C.490E>T; C.490T>C; C.460T>C; C.460T>C; C.460T>C; C.454A>G; C.425T>C; C.49C>T; C.499T>C; C.502G>T; C.502G>T; C.502G>T; C.50T>C; C.50T+2T>C; C.508-1G>C; C.509T>A; C.509T>C; C.513delT; C.512T>C; C.524G>A; C.528_529insG; C.536G>A; C.539G>T; C.541T>G; C.542C>T; C.556C>G; C.553C>T; C.556C>T; C
<b>EMD</b> NM_000117.2	c.1A>G; c.3G>A; c.82+1G>T; c.83-2A>G; c.103G>T; c.123C>A; c.130C>T; c.153dupC; c.184dupT; c.187+1G>T; c.239_240insT; c.251_255delTCTAC; c.266-2A>G; c.355C>T; c.419T>A; c.430G>T; c.450-2A>G; c.484C>T; c.512C>A; c.547C>A; c.548C>A; c.600G>A; c.607delC; c.621delG; c.650_654dupTGGGC; c.674_678delTCTGG
<b>GLA</b> NM_000169.2	c.337T>C; c.1246C>T; c.1241T>C; c.1235_1236delCT; c.1229C>T; c.1228A>G; c.1225C>G; c.1225C>T; c.1192G>T; c.1188delC; c.1157A>C; c.1124G>C; c.1118G>A; c.1117G>A; c.1095T>A; c.1088G>A; c.1081G>A; c.1081G>C; c.1077delT; c.1072_1074delGAG; c.1072G>A; c.1069C>T; c.1067G>C; c.1066C>T; c.1057_1058delAT; c.1055_1056delCT; c.1037delG; c.1033_1034delTC; c.1025G>A; c.1024C>T; c.1024C>G; c.1023A>C; c.1021G>T; c.1020G>A; c.1018T>C; c.999+2T>C; c.996_999delACAG; c.983G>C; c.982G>C; c.982G>A; c.980A>T; c.980A>G; c.979C>T; c.979C>A; c.974G>A; c.973G>A; c.966C>A; c.959_962delATCA; c.950T>G; c.916C>T; c.902G>A; c.901C>T; c.899T>C; c.896A>G; c.893A>G; c.890C>T; c.888G>A; c.887T>C; c.886A>G; c.879_880delTTinsAATC; c.865A>T; c.861G>T; c.861G>A; c.847C>T; c.842_844delTAA; c.835C>G; c.830G>A; c.826A>G; c.823delC; c.823C>T; c.815A>G; c.806T>C; c.802-3_802-2delCA; c.802-2A>G; c.802-2A>T; c.801G>A; c.777A>T; c.7791A>T; c.7790G>T; c.7785G>A; c.7784T>C; c.777delA; c.776C>G; c.605G>A; c.680G>A; c.679C>T; c.677C>A; c.666C>A; c.662_663delAG; c.661C>T; c.658C>T; c.657C>G; c.647A>G; c.664A>G; c.640-1G>T; c.640-1G>A; c.660-1G>A; c.661C>T; c.658C>T; c.657C>G; c.647A>G; c.664A>C; c.640-1G>T; c.640-1G>A; c.601C>T; c.640-1G>A; c.605G>A; c.548G>A; c.548G>A; c.548-1G>A; c.548-2A>G; c.544G>T; c.509A>G; c.485G>A; c.386T>C; c.466C>A; c.456C>A; c.443G>A; c.548-1G>A; c.548-2A>G; c.540G>T; c.509A>G; c.485G>A; c.386T>C; c.460C>T; c.427G>A; c.456C>A; c.456C>A; c.443G>A; c.439G>A; c.436C>T; c.427G>C; c.427G>A; c.335G>T; c.334C>T; c.295dupC; c.290C>T; c.285G>A; c.281G>A; c.274G>T; c.274G>A; c.272T>C; c.272T>A; c.256T>C; c.254G>A; c.244A>T; c.242G>A; c.235G>T; c.195-1G>T; c.195-1G>C
<b>CFTR</b> NM_000492.3	c9_14delCGAGAGCCATGCAGAGGTCGC; c.1A>G; c.2T>C; c.4C>T; c.11C>A; c.14C>T; c.19G>T; c.38C>T; c.35+1G>T; c.56G>A; c.57G>A; c.79G>A; c.79G>A; c.79G>T; c.88C>T; c.1614C>G; c.115C>T; c.13TC>A; c.164+1G>T; c.164+1G>T; c.164+1G>T; c.164+2T>C; c.164+3_164+4insT; c.165-3C>T; c.165-1G>A; c.166G>A; c.166F)G; c.170G>A; c.171G>A; c.174_177delTAGA; c.175dupA; c.178G>A; c.178G>T; c.200C>T; c.223C>T; c.254G>T; c.254G>A; c.262_263delTT; c.263T>A; c.263T>G; c.271G>A; c.273+1G>A; c.273+3A>C; c.274-2A>G; c.274-1G>A; c.274+1G>C; c.2746-A; c.2746-T; c.292C>T; c.293A>G; c.296C>T; c.305T>G; c.312delA; c.3255_227delTATinsG; c.326A>G; c.327T>A; c.328G>T; c.328G>C; c.330C>A; c.349C>T; c.350G>T; c.350G>A; c.358G>A; c.377G>A; c.405_406dupAC; c.409delC; c.409_412delCTCC; c.413_415dupTAC; c.416A>G; c.424delA; c.442delA; c.445G>T; c.495G>T; c.499_472delCTCC; c.413_415dupTAC; c.416A>G; c.424delA; c.442delA; c.445G>T; c.499_478delAATAGCTATGTTTAGTTT; c.470_483delTTAGTTTAGTTTAT; c.476T>C; c.481T>G; c.499+1G>T; c.489+2T>C; c.489+3A>G; c.590-5A; c.580-1G>T; c.532G>A; c.532G>A; c.571T>G; c.5775A>A; c.650A>G; c.558C>T; c.580-1G>T; c.595C>T; c.613C>T; c.617T>G; c.574G>A; c.550A>G; c.558C>T; c.680T>G; c.595T>A; c.5174delG; c.722_743delGGAGAATGATGAGGTACAG; c.723_743+1delGAGAATGATGAGGTACAGG; c.739_742dupTACA; c.743+1G>A; c.743+1G>C; c.744-2A>G; c.772A>G; c.803delA; c.805_805delAT; c.826C>A; c.830G>A; c.861_865delCTTAA; c.865A=T; c.869+1G>C; c.870-2A>G; c.870-1G>C; c.888_889dupTC; c.926C>A; c.935_937delTCT; c.933C>G; c.948delT; c.988G>T; c.1000C>T; c.1001G>T; c.1001G>T; c.1001G>T; c.1004G>T; c.104G>T; c.104G>T; c.104G>T; c.104GO>T; c.105GO>T; c.104GO>T; c.104GO>T; c

