Supplementary Table S1: Heart tissue samples used for mitochondria quantification.

Heart tissue samples	Phenotype	Sex	Age	EF
09H3557	control			
EMBT	control	M	25	
ESS	control			
FJR	control	M	28	
MBFM	control	M	17	
ZFS	control	M		
AAF2	CCC	M	60	0.35
ABG	CCC	F	64	0.30
ABS	CCC	M	61	0.21
APA	CCC	F	60	0.20
ATL	CCC	M	41	0.19
BHAN	CCC	M	15	0.17
EAS	CCC	M	28	0.29
EBS	CCC	M	32	0.12
ECA	CCC	F	32	0.19
EPG	CCC	M	41	0.23
GMS	CCC	M	58	0.20
HBO	CCC	M	36	0.25
ISM	CCC	M	39	0.20
JAB	CCC	M	41	0.55
JMS	CCC	M	50	0.25
JRJ	CCC	M	51	0.23
LAL	CCC	M	58	0.29
LMS	CCC	M	58	0.28
LRJ	CCC	F	66	0.25
MCRS	CCC	F	45	0.20
MDSS	CCC	F	60	0.24
MERS	CCC	F	39	0.20
MGAF	CCC	M	51	0.35
MGS	CCC	F	61	0.15
MLM	CCC	F	47	0.35
MSS	CCC	F	46	0.20
NDL	CCC	F	61	0.27
NSR	CCC	F	49	0.15
OMG	CCC	M	49	0.21
PAD	CCC	M	62	0.21
PMG	CCC	M	57	0.29

SCS	CCC	M	59	0.17
ZMC	CCC	F	54	0.36

EF: Heart Ejection Fraction

Supplementary Table S2: Blood DNAs samples used for mitochondria quantification.

Blood samples	Phenotype	Sub-phenotype	Sex	Age	EF
DP100	ASY	ASY	F	42	0.63
DP123	ASY	ASY	F	51	0.57
DP130	ASY	ASY	F	59	0.63
DP135	ASY	ASY	M	51	0.66
DP136	ASY	ASY	F	48	0.64
DP139	ASY	ASY	M	54	0.70
DP141	ASY	ASY	M	48	0.73
DP142	ASY	ASY	F	58	0.72
DP163	ASY	ASY	F	55	0.69
DP164	ASY	ASY	F	57	0.60
DP166	ASY	ASY	F	59	0.64
DP167	ASY	ASY	F	41	0.63
DP174	ASY	ASY	M	58	0.82
DP179	ASY	ASY	M	58	0.68
DP181	ASY	ASY	F	51	0.75
DP182	ASY	ASY	F	54	0.62
DP184	ASY	ASY	M	60	0.73
DP200	ASY	ASY	F	55	0.63
DP229	ASY	ASY	F	57	0.67
DP63	ASY	ASY	F	47	0.70
DP80	ASY	ASY	F	59	0.68
IC100EI	ASY	ASY	F	53	0.69
IC103EI	ASY	ASY	F	60	0.64
IC105EI	ASY	ASY	F	56	0.74
IC106EI	ASY	ASY	M	44	0.55
IC107EI	ASY	ASY	F	57	0.65
IC110EI	ASY	ASY	M	57	0.66

IC111EI	ASY	ASY	F	42	0.63
IC112EI	ASY	ASY	F	54	0.67
IC112EI	ASY	ASY	F	54	0.67
IC114EI	ASY	ASY	F	53	0.60
IC115EI	ASY	ASY	F	57	0.65
IC115EI	ASY	ASY	F	57	0.65
IC116EI	ASY	ASY	M	51	0.62
IC117EI	ASY	ASY	M	53	0.62
IC117EI	ASY	ASY	M	53	0.62
IC120EI	ASY	ASY	F	42	0.65
IC121EI	ASY	ASY	M	44	0.64
IC122EI	ASY	ASY	F	59	0.55
IC123EI	ASY	ASY	M	42	0.57
IC127EI	ASY	ASY	M	53	0.60
IC132EI	ASY	ASY	M	42	0.59
IC133EI	ASY	ASY	F	56	0.67
IC134EI	ASY	ASY	M	44	0.70
IC135EI	ASY	ASY	F	46	0.58
IC137EI	ASY	ASY	M	41	0.65
IC143EI	ASY	ASY	M	54	0.65
IC144EI	ASY	ASY	F	42	0.64
IC147EI	ASY	ASY	F	44	0.66
IC157EI	ASY	ASY	M	60	0.66
IC158EI	ASY	ASY	M	41	0.66
IC162EI	ASY	ASY	F	46	0.61
IC164EI	ASY	ASY	F	56	0.63
IC166EI	ASY	ASY	M	43	0.60
IC169EI	ASY	ASY	F	60	0.62
IC170EI	ASY	ASY	M	52	0.64
IC171EI	ASY	ASY	M	48	0.61
IC176EI	ASY	ASY	M	43	0.65
IC177EI	ASY	ASY	M	48	0.64
IC182EI	ASY	ASY	M	57	0.60
IC184EI	ASY	ASY	F	47	0.68

IC189EI	ASY	ASY	F	57	0.65
IC192EI	ASY	ASY	F	50	0.65
IC193EI	ASY	ASY	F	48	0.67
IC195EI	ASY	ASY	M	45	0.65
IC197EI	ASY	ASY	M	54	0.63
IC208EI	ASY	ASY	F	44	0.64
IC20EI	ASY	ASY	F	58	0.75
IC211EI	ASY	ASY	F	43	0.67
IC221EI	ASY	ASY	M	47	0.59
IC224EI	ASY	ASY	M	47	0.59
IC225EI	ASY	ASY	F	53	0.65
IC226EI	ASY	ASY	M	43	0.70
IC229EI	ASY	ASY	F	44	0.60
IC231EI	ASY	ASY	M	43	0.59
IC237EI	ASY	ASY	F	46	0.60
IC240EI	ASY	ASY	F	51	0.62
IC241EI	ASY	ASY	M	48	0.55
IC253EI	ASY	ASY	F	41	0.62
IC255E	ASY	ASY	F	51	0.66
IC255EI	ASY	ASY	F	44	0.65
IC257EI	ASY	ASY	F	48	0.66
IC258EI	ASY	ASY	F	47	0.62
IC25EI	ASY	ASY	M	49	0.76
IC261E	ASY	ASY	F	45	0.66
IC262EI	ASY	ASY	M	51	0.63
IC265EI	ASY	ASY	F	56	0.60
IC269EI	ASY	ASY	M	46	0.59
IC26EI	ASY	ASY	F	60	0.75
IC270EI	ASY	ASY	F	51	0.65
IC276EI	ASY	ASY	F	47	0.65
IC279EI	ASY	ASY	M	49	0.68
IC281EI	ASY	ASY	F	50	0.63
IC283EI	ASY	ASY	F	49	0.58
IC284EI	ASY	ASY	M	45	0.63

IC285EI	ASY	ASY	M	53	0.60
IC287EI	ASY	ASY	M	54	0.55
IC292EI	ASY	ASY	F	53	0.65
IC311EI	ASY	ASY	M	56	0.55
IC312EI	ASY	ASY	M	44	0.63
IC314EI	ASY	ASY	M	42	0.58
IC318EI	ASY	ASY	M	50	0.61
IC328EI	ASY	ASY	M	46	0.63
IC329EI	ASY	ASY	M	59	0.65
IC332EI	ASY	ASY	M	46	0.67
IC336EI	ASY	ASY	M	59	0.60
IC337EI	ASY	ASY	F	47	0.62
IC341EI	ASY	ASY	M	43	0.55
IC343EI	ASY	ASY	F	51	0.65
IC345EI	ASY	ASY	F	54	0.60
IC34EI	ASY	ASY	M	49	0.68
IC351EI	ASY	ASY	M	42	0.63
IC352EI	ASY	ASY	F	59	0.67
IC357EI	ASY	ASY	F	47	0.65
IC359EI	ASY	ASY	M	44	0.62
IC362EI	ASY	ASY	F	58	0.64
IC364EI	ASY	ASY	F	50	0.61
IC367EI	ASY	ASY	M	55	0.50
IC369EI	ASY	ASY	F	54	0.65
IC373EI	ASY	ASY	M	50	0.64
IC380EI	ASY	ASY	F	57	0.65
IC382EI	ASY	ASY	F	45	0.60
IC383EI	ASY	ASY	F	58	0.60
IC389EI	ASY	ASY	M	46	0.64
IC393EI	ASY	ASY	F	47	0.65
IC395EI	ASY	ASY	F	50	0.60
IC398EI	ASY	ASY	M	45	0.60
IC399EI	ASY	ASY	F	53	0.61
IC39EI	ASY	ASY	F	57	0.70

IC404EI	ASY	ASY	F	59	0.61
IC405EI	ASY	ASY	F	58	0.55
IC407EI	ASY	ASY	F	48	0.59
IC408EI	ASY	ASY	F	50	0.58
IC413EI	ASY	ASY	F	53	0.65
IC414EI	ASY	ASY	M	46	0.58
IC49EI	ASY	ASY	F	56	0.70
IC57EI	ASY	ASY	F	40	0.71
IC66EI	ASY	ASY	M	51	0.53
IC67EI	ASY	ASY	F	59	0.65
IC68EI	ASY	ASY	F	51	0.75
IC68EI	ASY	ASY	F	51	0.75
IC6EI	ASY	ASY	F	53	0.71
IC88EI	ASY	ASY	F	46	0.82
IC89EI	ASY	ASY	F	50	0.69
IC95EI	ASY	ASY	F	57	0.70
IC96EI	ASY	ASY	F	59	0.69
IC97EI	ASY	ASY	F	57	
IC98EI	ASY	ASY	F	58	0.77
IC99EI	ASY	ASY	F	43	0.62
PR02	ASY	ASY	F	53	0.77
PR06	ASY	ASY	F	43	0.69
PR101	ASY	ASY	M	47	0.60
PR104	ASY	ASY	F	58	0.78
PR107	ASY	ASY	F	43	0.68
PR111	ASY	ASY	M	48	0.73
PR112	ASY	ASY	F	60	0.73
PR113	ASY	ASY	F	59	0.73
PR115	ASY	ASY	M	60	0.62
PR127	ASY	ASY	M	56	0.69
PR131	ASY	ASY	M	60	0.62
PR139	ASY	ASY	F	53	0.71
PR141	ASY	ASY	M	60	0.76
PR145	ASY	ASY	F	58	0.66

PR148	ASY	ASY	F	53	0.70
PR149	ASY	ASY	F	60	0.77
PR16	ASY	ASY	M	58	0.63
PR163	ASY	ASY	F	58	0.73
PR166	ASY	ASY	F	52	0.68
PR177	ASY	ASY	M	43	0.69
PR18	ASY	ASY	F	52	0.70
PR181	ASY	ASY	F	52	0.76
PR183	ASY	ASY	F	57	0.64
PR185	ASY	ASY	M	40	0.67
PR189	ASY	ASY	M	58	0.58
PR191	ASY	ASY	F	55	0.77
PR194	ASY	ASY	F	60	0.78
PR195	ASY	ASY	F	51	0.65
PR197	ASY	ASY	F	55	0.73
PR202	ASY	ASY	F	55	0.80
PR203	ASY	ASY	F	40	0.73
PR42	ASY	ASY	F	59	0.72
PR49	ASY	ASY	M	50	0.62
PR58	ASY	ASY	M	55	0.69
PR63	ASY	ASY	F	47	0.76
PR77	ASY	ASY	F	54	0.73
PR89	ASY	ASY	F	54	0.75
RP06I	ASY	ASY	M	42	0.65
RP18I	ASY	ASY	M	41	0.65
RP21I	ASY	ASY	M	47	0.55
RP21I	ASY	ASY	M	47	0.55
RP23I	ASY	ASY	F	57	0.50
RP25I	ASY	ASY	M	49	
RP25I	ASY	ASY	M	49	0.57
RP26I	ASY	ASY	M	46	0.68
RP30I	ASY	ASY	F	48	0.50
UB08I	ASY	ASY	F	47	
UB14I	ASY	ASY	F	49	

UB167	ASY	ASY	F	51	0.66
UB169	ASY	ASY	M	41	
UB194	ASY	ASY	M	41	0.67
UB195	ASY	ASY	F	47	0.77
UB200	ASY	ASY	F	43	0.75
UB219	ASY	ASY	M	51	0.50
UB242	ASY	ASY	F	51	0.58
UB255	ASY	ASY	F	48	0.71
UB263	ASY	ASY	F	56	0.60
UB269	ASY	ASY	F	53	
UB35I	ASY	ASY	F	56	
UB44I	ASY	ASY	F	48	
DP102	CCC	Moderate CCC	M	43	0.52
DP104	CCC	Moderate CCC	F	43	0.44
DP113	CCC	Moderate CCC	M	44	0.53
DP114	CCC	Moderate CCC	F	44	0.72
DP122	CCC	Moderate CCC	F	42	0.69
DP221	CCC	Moderate CCC	M	46	0.44
DP221	CCC	Moderate CCC	M	46	0.44
DP221	CCC	Moderate CCC	M	46	0.44
DP88	CCC	Moderate CCC	M	58	0.67
DP91	CCC	Moderate CCC	M	59	0.57
DP92	CCC	Moderate CCC	F	50	0.61
DP95	CCC	Moderate CCC	F	44	0.67
DP96	CCC	Moderate CCC	F	54	0.42
IC01MM	CCC	Moderate CCC	M	55	0.66
IC02MM	CCC	Moderate CCC	F	60	0.50
IC03MM	CCC	Moderate CCC	F	57	0.69
IC06MM	CCC	Moderate CCC	F	55	0.50
IC06MM	CCC	Moderate CCC	F	55	0.50
IC106EC	CCC	Moderate CCC	M	58	0.43
IC107MM	CCC	Moderate CCC	M	47	0.45
IC108MM	CCC	Moderate CCC	F	59	0.59
IC109MM	CCC	Moderate CCC	F	59	0.52

IC10MM	CCC	Moderate CCC	M	40	0.58
IC10MM	CCC	Moderate CCC	M	40	0.58
IC117MM	CCC	Moderate CCC	F	43	0.69
IC118MM	CCC	Moderate CCC	M	56	0.65
IC120MM	CCC	Moderate CCC	M	48	0.56
IC122EC	CCC	Moderate CCC	F	49	0.70
IC129MM	CCC	Moderate CCC	M	54	0.45
IC13MM	CCC	Moderate CCC	F	50	0.60
IC13MM	CCC	Moderate CCC	F	50	0.60
IC156EC	CCC	Moderate CCC	F	59	0.68
IC15MM	CCC	Moderate CCC	F	54	0.66
IC15MM	CCC	Moderate CCC	F	54	0.66
IC169EC	CCC	Moderate CCC	F	52	0.73
IC16EC	CCC	Moderate CCC	M	54	0.43
IC16EC	CCC	Moderate CCC	M	54	0.43
IC16EC	CCC	Moderate CCC	M	54	0.43
IC16MM	CCC	Moderate CCC	F	58	0.59
IC171EC	CCC	Moderate CCC	M	57	0.56
IC172EC	CCC	Moderate CCC	F	45	0.58
IC173EC	CCC	Moderate CCC	M	50	0.69
IC177EC	CCC	Moderate CCC	M	51	0.56
IC184EC	CCC	Moderate CCC	M	49	0.63
IC186EC	CCC	Moderate CCC	F	54	0.55
IC190EC	CCC	Moderate CCC	F	50	0.69
IC202EC	CCC	Moderate CCC	F	40	0.67
IC204EC	CCC	Moderate CCC	F	55	0.57
IC205EC	CCC	Moderate CCC	M	56	0.42
IC20MM	CCC	Moderate CCC	F	60	0.45
IC20MM	CCC	Moderate CCC	F	60	0.45
IC211EC	CCC	Moderate CCC	M	44	0.63
IC212EC	CCC	Moderate CCC	M	51	0.61
IC213EC	CCC	Moderate CCC	F	46	0.46
IC214EC	CCC	Moderate CCC	M	55	0.67
IC215EC	CCC	Moderate CCC	M	58	0.45

IC218EC	CCC	Moderate CCC	F	60	0.63
IC21MM	CCC	Moderate CCC	M	44	0.52
IC21MM	CCC	Moderate CCC	M	44	0.52
IC220EC	CCC	Moderate CCC	M	43	0.65
IC223EC	CCC	Moderate CCC	F	53	0.71
IC229E	CCC	Moderate CCC	F	48	0.52
IC233AC	CCC	Moderate CCC	F	55	0.43
IC234E	CCC	Moderate CCC	F	52	0.47
IC234E	CCC	Moderate CCC	F	52	0.47
IC235E	CCC	Moderate CCC	M	56	0.64
IC235E	CCC	Moderate CCC	M	56	0.64
IC236E	CCC	Moderate CCC	M	59	0.45
IC236E	CCC	Moderate CCC	M	59	0.45
IC237E	CCC	Moderate CCC	M	59	0.67
IC237E	CCC	Moderate CCC	M	59	0.67
IC23MM	CCC	Moderate CCC	F	58	0.62
IC23MM	CCC	Moderate CCC	F	58	0.62
IC248E	CCC	Moderate CCC	M	54	0.56
IC24EC	CCC	Moderate CCC	M	60	
IC256E	CCC	Moderate CCC	M	55	0.66
IC258E	CCC	Moderate CCC	F	56	0.56
IC25MM	CCC	Moderate CCC	F	53	0.61
IC260E	CCC	Moderate CCC	M	40	0.58
IC262E	CCC	Moderate CCC	M	40	0.68
IC269E	CCC	Moderate CCC	F	60	0.64
IC2AC	CCC	Moderate CCC	F	41	0.54
IC34EC	CCC	Moderate CCC	F	60	0.73
IC34MM	CCC	Moderate CCC	F	60	0.47
IC35MM	CCC	Moderate CCC	F	58	0.61
IC420EC	CCC	Moderate CCC	F	50	0.62
IC421EC	CCC	Moderate CCC	M	47	0.45
IC424EC	CCC	Moderate CCC	M	40	0.67
IC426EC	CCC	Moderate CCC	M	44	0.65
IC427EC	CCC	Moderate CCC	F	54	0.46

IC433EC	CCC	Moderate CCC	M	51	0.45
IC434EC	CCC	Moderate CCC	F	46	0.66
IC435EC	CCC	Moderate CCC	M	56	0.67
IC436EC	CCC	Moderate CCC	F	53	0.66
IC439EC	CCC	Moderate CCC	M	43	0.61
IC43MM	CCC	Moderate CCC	F	45	0.66
IC440EC	CCC	Moderate CCC	M	41	0.66
IC441EC	CCC	Moderate CCC	M	51	0.65
IC443EC	CCC	Moderate CCC	M	42	0.64
IC444EC	CCC	Moderate CCC	F	50	0.55
IC447EC	CCC	Moderate CCC	M	42	0.66
IC449EC	CCC	Moderate CCC	M	42	0.59
IC453EC	CCC	Moderate CCC	M	60	0.55
IC457EC	CCC	Moderate CCC	M	43	0.46
IC459EC	CCC	Moderate CCC	M	50	0.58
IC45EC	CCC	Moderate CCC	F	56	0.60
IC461EC	CCC	Moderate CCC	M	41	0.50
IC462EC	CCC	Moderate CCC	F	57	0.68
IC463EC	CCC	Moderate CCC	M	46	0.68
IC468EC	CCC	Moderate CCC	M	58	0.65
IC46MM	CCC	Moderate CCC	F	54	0.50
IC482EC	CCC	Moderate CCC	M	55	0.60
IC486EC	CCC	Moderate CCC	F	55	0.66
IC487EC	CCC	Moderate CCC	M	45	0.63
IC488EC	CCC	Moderate CCC	M	59	0.60
IC490EC	CCC	Moderate CCC	M	45	0.55
IC491EC	CCC	Moderate CCC	M	53	0.50
IC492EC	CCC	Moderate CCC	F	46	0.67
IC498EC	CCC	Moderate CCC	F	47	0.64
IC4AC	CCC	Moderate CCC	F	54	0.55
IC50MM	CCC	Moderate CCC	F	44	0.55
IC510EC	CCC	Moderate CCC	F	42	0.68
IC511EC	CCC	Moderate CCC	M	51	0.65
IC514EC	CCC	Moderate CCC	F	45	0.51

IC519EC	CCC	Moderate CCC	M	52	0.57
IC51EC	CCC	Moderate CCC	F	52	0.70
IC521EC	CCC	Moderate CCC	M	49	0.62
IC531EC	CCC	Moderate CCC	M	49	0.45
IC542EC	CCC	Moderate CCC	M	40	0.55
IC54MM	CCC	Moderate CCC	F	52	0.52
IC551EC	CCC	Moderate CCC	M	47	0.53
IC55MM	CCC	Moderate CCC	F	57	0.50
IC564EC	CCC	Moderate CCC	M	45	0.45
IC570EC	CCC	Moderate CCC	M	50	0.66
IC573EC	CCC	Moderate CCC	F	41	0.51
IC57EC	CCC	Moderate CCC	M	53	
IC57MM	CCC	Moderate CCC	F	58	0.58
IC58MM	CCC	Moderate CCC	M	40	0.58
IC597EC	CCC	Moderate CCC	F	54	0.45
IC59AC	CCC	Moderate CCC	M	60	0.60
IC59MM	CCC	Moderate CCC	F	59	0.78
IC600EC	CCC	Moderate CCC		59	
IC601EC	CCC	Moderate CCC	F	59	0.65
IC606EC	CCC	Moderate CCC	M	41	0.46
IC607EC	CCC	Moderate CCC	M	41	0.45
IC609EC	CCC	Moderate CCC	M	51	0.48
IC610EC	CCC	Moderate CCC	M	50	0.50
IC61MM	CCC	Moderate CCC	M	46	0.55
IC68MM	CCC	Moderate CCC	F	56	0.63
IC72EC	CCC	Moderate CCC	M	53	0.69
IC74MM	CCC	Moderate CCC	F	53	0.67
IC76EC	CCC	Moderate CCC	F	41	0.70
IC77EC	CCC	Moderate CCC	F	44	0.70
IC78EC	CCC	Moderate CCC	F	56	
IC82EC	CCC	Moderate CCC	F	51	0.72
IC98MM	CCC	Moderate CCC	F	59	0.54
IC9EC	CCC	Moderate CCC	F	57	0.77
PR05	CCC	Moderate CCC	F	50	0.63

PR08	CCC	Moderate CCC	F	59	0.82
PR12	CCC	Moderate CCC	F	50	0.62
PR15	CCC	Moderate CCC	F	57	0.60
PR172	CCC	Moderate CCC	F	59	
PR174	CCC	Moderate CCC	M	49	0.51
PR175	CCC	Moderate CCC	F	52	0.77
PR180	CCC	Moderate CCC	F	57	0.66
PR184	CCC	Moderate CCC	M	46	0.59
PR200	CCC	Moderate CCC	F	59	0.65
PR204	CCC	Moderate CCC	F	52	0.58
PR24	CCC	Moderate CCC	M	50	0.67
PR27	CCC	Moderate CCC	M	49	0.49
PR39	CCC	Moderate CCC	F	51	0.48
PR41	CCC	Moderate CCC	F	43	0.75
PR44	CCC	Moderate CCC	F	49	0.71
PR51	CCC	Moderate CCC	F	57	0.54
PR57	CCC	Moderate CCC	F	49	0.73
RP01C	CCC	Moderate CCC	M	53	0.54
RP05C	CCC	Moderate CCC	M	56	0.57
RP10C	CCC	Moderate CCC	M	51	
RP245	CCC	Moderate CCC	F	43	0.56
RP246	CCC	Moderate CCC	M	50	0.76
RP247	CCC	Moderate CCC	F	59	0.45
RP24C	CCC	Moderate CCC	M	55	
RP251	CCC	Moderate CCC	F	42	
RP253	CCC	Moderate CCC	F	50	0.56
RP257	CCC	Moderate CCC	M	41	0.48
RP258	CCC	Moderate CCC	M	59	0.64
RP260	CCC	Moderate CCC	F	56	0.46
RP265	CCC	Moderate CCC	F	60	0.56
RP33C	CCC	Moderate CCC	F	51	0.40
UB154	CCC	Moderate CCC	M	53	
UB159	CCC	Moderate CCC	M	60	0.47
UB170	CCC	Moderate CCC	F	49	0.72

UB179	CCC	Moderate CCC	M	44	0.44
UB180	CCC	Moderate CCC	F	60	
UB187	CCC	Moderate CCC	M	56	0.53
UB198	CCC	Moderate CCC	M	58	0.62
UB201	CCC	Moderate CCC	M	41	0.67
UB202	CCC	Moderate CCC	F	60	0.68
UB204	CCC	Moderate CCC	M	57	0.67
UB206	CCC	Moderate CCC	M	58	0.44
UB218	CCC	Moderate CCC	F	57	
UB226	CCC	Moderate CCC	F	45	0.72
UB231	CCC	Moderate CCC	F	58	
UB232	CCC	Moderate CCC	F	51	0.42
UB250	CCC	Moderate CCC	F	59	
UB257	CCC	Moderate CCC	M	43	0.65
UB283	CCC	Moderate CCC	F	47	0.80
UB284	CCC	Moderate CCC	F	53	0.68
UB285	CCC	Moderate CCC	F	58	0.44
UB292	CCC	Moderate CCC	F	60	0.64
UB293	CCC	Moderate CCC	F	57	0.75
ABG	CCC	Severe CCC	F	60	0.30
DP106	CCC	Severe CCC	M	52	0.40
DP108	CCC	Severe CCC	M	54	0.25
DP109	CCC	Severe CCC	F	59	0.20
DP112	CCC	Severe CCC	F	57	0.26
DP116	CCC	Severe CCC	M	49	0.36
DP117	CCC	Severe CCC	F	59	0.28
DP218	CCC	Severe CCC	F	54	0.20
GMS	CCC	Severe CCC	M	56	0.20
HGS	CCC	Severe CCC	M	58	0.16
IC100MM	CCC	Severe CCC	M	49	0.24
IC101AC	CCC	Severe CCC	M	45	0.17
IC103EC	CCC	Severe CCC	M	52	0.40
IC103EC	CCC	Severe CCC	M	52	0.40
IC104AC	CCC	Severe CCC	M	57	0.31

IC106MM	CCC	Severe CCC	M	58	0.20
IC110AC	CCC	Severe CCC	M	60	0.36
IC111MM	CCC	Severe CCC	F	49	0.37
IC124MM	CCC	Severe CCC	F	47	0.36
IC125AC	CCC	Severe CCC	M	43	0.21
IC132AC	CCC	Severe CCC	F	52	0.33
IC139MM	CCC	Severe CCC	M	60	0.25
IC140MM	CCC	Severe CCC	F	51	0.35
IC143MM	CCC	Severe CCC	F	53	0.35
IC144MM	CCC	Severe CCC	M	56	0.28
IC145MM	CCC	Severe CCC	M	59	0.37
IC146AC	CCC	Severe CCC	M	40	0.25
IC146MM	CCC	Severe CCC		60	
IC14EC	CCC	Severe CCC	M	54	0.39
IC14EC	CCC	Severe CCC	M	54	0.39
IC150EC	CCC	Severe CCC	F	45	0.27
IC152EC	CCC	Severe CCC	M	50	0.31
IC153EC	CCC	Severe CCC	M	60	0.32
IC159EC	CCC	Severe CCC	F	48	0.39
IC160EC	CCC	Severe CCC	M	43	0.31
IC161AC	CCC	Severe CCC	F	56	0.20
IC163EC	CCC	Severe CCC	F	54	0.30
IC164AC	CCC	Severe CCC	M	45	0.39
IC166AC	CCC	Severe CCC	F	50	0.30
IC167AC	CCC	Severe CCC	M	60	0.30
IC176EC	CCC	Severe CCC	F	49	0.39
IC180EC	CCC	Severe CCC	F	56	0.25
IC185EC	CCC	Severe CCC	F	52	0.28
IC186AC	CCC	Severe CCC	M	47	0.38
IC187EC	CCC	Severe CCC	M	58	0.26
IC188EC	CCC	Severe CCC	F	50	0.32
IC192AC	CCC	Severe CCC	M	51	0.37
IC192EC	CCC	Severe CCC	F	60	0.25
IC193EC	CCC	Severe CCC	F	54	0.40

IC197EC	CCC	Severe CCC	F	52	0.30
IC201EC	CCC	Severe CCC	F	40	0.40
IC204AC	CCC	Severe CCC	M	58	0.32
IC206EC	CCC	Severe CCC	M	52	0.19
IC207AC	CCC	Severe CCC	M	58	0.34
IC210AC	CCC	Severe CCC	M	46	0.28
IC210EC	CCC	Severe CCC	M	41	0.23
IC219EC	CCC	Severe CCC	M	57	0.27
IC221EC	CCC	Severe CCC	F	51	0.35
IC222AC	CCC	Severe CCC	M	50	0.33
IC224EC	CCC	Severe CCC	F	45	0.30
IC228AC	CCC	Severe CCC	F	47	0.37
IC228EC	CCC	Severe CCC	M	53	0.27
IC229AC	CCC	Severe CCC	M	49	0.29
IC231AC	CCC	Severe CCC	M	51	0.38
IC257E	CCC	Severe CCC	M	60	0.33
IC263E	CCC	Severe CCC	M	48	0.20
IC2EC	CCC	Severe CCC	M	53	0.31
IC2EC	CCC	Severe CCC	M	53	0.31
IC39EC	CCC	Severe CCC	M	52	0.39
IC39MM	CCC	Severe CCC	M	47	0.27
IC40MM	CCC	Severe CCC	F	56	0.35
IC417EC	CCC	Severe CCC	F	42	0.40
IC41AC	CCC	Severe CCC	F	41	0.40
IC42AC	CCC	Severe CCC	F	57	0.30
IC438EC	CCC	Severe CCC	M	42	0.32
IC445EC	CCC	Severe CCC	F	56	0.30
IC467EC	CCC	Severe CCC		42	0.30
IC477EC	CCC	Severe CCC	M	55	0.30
IC478EC	CCC	Severe CCC	M	44	0.25
IC479EC	CCC	Severe CCC	M	44	0.30
IC484EC	CCC	Severe CCC	M	54	0.25
IC504EC	CCC	Severe CCC	M	42	0.25
IC505EC	CCC	Severe CCC	F	55	0.25

IC507EC	CCC	Severe CCC	M	43	0.30
IC524EC	CCC	Severe CCC	F	43	0.25
IC526EC	CCC	Severe CCC	M	48	0.20
IC527EC	CCC	Severe CCC	F	40	0.40
IC533EC	CCC	Severe CCC	M	46	0.30
IC538EC	CCC	Severe CCC	F	40	0.35
IC53MM	CCC	Severe CCC	M	55	0.26
IC544EC	CCC	Severe CCC	F	55	0.30
IC546EC	CCC	Severe CCC	M	45	0.20
IC548EC	CCC	Severe CCC	M	53	0.20
IC550EC	CCC	Severe CCC	M	46	0.20
IC554EC	CCC	Severe CCC	F	40	0.30
IC559EC	CCC	Severe CCC	F	51	0.30
IC562EC	CCC	Severe CCC	F	52	0.15
IC563EC	CCC	Severe CCC	M	57	0.40
IC567EC	CCC	Severe CCC	M	50	0.20
IC569EC	CCC	Severe CCC	M	50	0.15
IC571EC	CCC	Severe CCC	F	43	0.25
IC572EC	CCC	Severe CCC	F	52	0.15
IC574EC	CCC	Severe CCC	M	47	0.31
IC578EC	CCC	Severe CCC	M	55	0.25
IC57AC	CCC	Severe CCC	F	55	0.40
IC582EC	CCC	Severe CCC	M	44	0.35
IC585EC	CCC	Severe CCC	F	49	0.20
IC587EC	CCC	Severe CCC	F	53	0.40
IC588EC	CCC	Severe CCC	F	59	0.30
IC589EC	CCC	Severe CCC	M	45	0.20
IC58AC	CCC	Severe CCC	M	59	0.40
IC590EC	CCC	Severe CCC	M	58	0.35
IC591EC	CCC	Severe CCC	M	57	0.40
IC594EC	CCC	Severe CCC	F	44	0.30
IC595EC	CCC	Severe CCC	F	52	0.20
IC599EC	CCC	Severe CCC	M	57	0.30
IC603EC	CCC	Severe CCC	F	57	0.30

IC605EC	CCC	Severe CCC	M	58	0.30
IC608EC	CCC	Severe CCC	M	58	0.20
IC60AC	CCC	Severe CCC	M	50	0.23
IC60MM	CCC	Severe CCC	M	51	0.40
IC64AC	CCC	Severe CCC	F	58	0.40
IC65MM	CCC	Severe CCC	M	57	0.35
IC76AC	CCC	Severe CCC	M	59	0.25
IC77MM	CCC	Severe CCC	M	44	0.29
IC83AC	CCC	Severe CCC	M	42	0.32
IC86AC	CCC	Severe CCC	F	60	0.40
IC88MM	CCC	Severe CCC	F	53	0.20
IC91AC	CCC	Severe CCC	M	52	0.29
IC91MM	CCC	Severe CCC	F	53	0.23
IC94AC	CCC	Severe CCC	M	41	0.16
JMS	CCC	Severe CCC	M	48	0.25
JRJ	CCC	Severe CCC	M	48	0.23
MAP	CCC	Severe CCC	F	53	0.23
MCRS	CCC	Severe CCC	F	43	0.20
MSS	CCC	Severe CCC	F	42	0.20
NSR	CCC	Severe CCC	F	54	0.15
OMG	CCC	Severe CCC	M	47	0.21
PR09	CCC	Severe CCC	M	52	0.24
PR188	CCC	Severe CCC	M	60	0.34
PR198	CCC	Severe CCC	M	56	0.33
PR55	CCC	Severe CCC	M	57	0.38
PR59	CCC	Severe CCC	M	48	0.35
RP261	CCC	Severe CCC	M	59	0.28
RP267	CCC	Severe CCC	M	51	0.18
RP28C	CCC	Severe CCC	M	47	0.23
RP30C	CCC	Severe CCC	M	59	0.37
RP32C	CCC	Severe CCC	M	60	0.27
RP50	CCC	Severe CCC	M	49	0.24
RP52	CCC	Severe CCC	M	42	0.33
RP53	CCC	Severe CCC	M	44	0.37

UB125	CCC	Severe CCC	F	54	0.23
UB173	CCC	Severe CCC	M	57	0.19
UB181	CCC	Severe CCC	M	60	0.34
UB183	CCC	Severe CCC	M	59	0.28
UB274	CCC	Severe CCC	M	55	0.13
ZMC	CCC	Severe CCC	F	59	0.36
DP134	CCC	Moderate CCC	F	58	0.65
DP145	CCC	Moderate CCC	F	49	0.60
DP146	CCC	Moderate CCC	F	53	0.64
DP152	CCC	Moderate CCC	M	40	0.43
DP158	CCC	Moderate CCC	F	58	0.46
DP169	CCC	Moderate CCC	M	51	0.46
DP171	CCC	Moderate CCC	F	55	0.54
DP175	CCC	Moderate CCC	M	46	0.44
DP177	CCC	Moderate CCC	F	58	0.71
DP187	CCC	Moderate CCC	M	44	0.64
DP190	CCC	Moderate CCC	F	59	0.67
DP192	CCC	Moderate CCC	M	49	0.61
DP193	CCC	Moderate CCC	F	58	0.61
DP199	CCC	Moderate CCC	F	49	0.66
DP202	CCC	Moderate CCC	F	43	0.56
DP207	CCC	Moderate CCC	F	55	0.65
DP212	CCC	Moderate CCC	F	51	0.49
DP216	CCC	Moderate CCC	F	54	0.71
DP219	CCC	Moderate CCC	M	60	0.77
DP221	CCC	Moderate CCC	M	46	0.73
DP222	CCC	Moderate CCC	F	52	0.68
DP223	CCC	Moderate CCC	F	56	0.63
DP61	CCC	Moderate CCC	F	58	0.47
DP67	CCC	Moderate CCC	F	58	0.69
DP125	CCC	Severe CCC	F	58	0.21
DP133	CCC	Severe CCC	M	53	0.29
DP151	CCC	Severe CCC	F	53	0.34
DP155	CCC	Severe CCC	M	54	0.40

DP156	CCC	Severe CCC	M	58	0.25
DP172	CCC	Severe CCC	F	46	0.39
DP180	CCC	Severe CCC	M	52	0.35
DP188	CCC	Severe CCC	M	47	0.33
DP197	CCC	Severe CCC	F	54	0.36
DP204	CCC	Severe CCC	M	45	0.37
DP62	CCC	Severe CCC	F	54	0.38

EF : Heart Ejection Fraction; **Moderate CCC:** CCC patients with $0,40 \leq EF \leq 1$; **Severe CCC:** CCC patients with $0 \leq EF < 0,40$.

Supplementary Table S3: Blood samples used for haplogroup analysis.

Blood samples	Phenotype	Sub-phenotype	Sex	EF	Haplogroup	Sub-haplogroup
DP034I	ASY	ASY	M	0.63	African	L2b1a2
DP048I	ASY	ASY	F	0.67	African	L1c1b
DP123	ASY	ASY	F	0.57	African	L2a1g
DP130	ASY	ASY	F	0.63	African	L2a5
DP135	ASY	ASY	M	0.66	African	L2a1f2
DP136	ASY	ASY	F	0.64	Native American/Asian	C
DP141	ASY	ASY	M	0.73	European	K1a4f1
DP142	ASY	ASY	F	0.72	African	L2a1a1
DP164	ASY	ASY	F	0.60	Native American/Asian	C
DP166	ASY	ASY	F	0.64	African	L0a2a1b
DP174	ASY	ASY	M	0.82	African	L0a1b1a1
DP179	ASY	ASY	M	0.68	African	L1c1a2
DP184	ASY	ASY	M	0.73	African	L1c3c
IC100EI	ASY	ASY	F	0.69	Native American/Asian	A2q
IC102EI	ASY	ASY	M	0.78	African	L1b1a4
IC104EI	ASY	ASY	F	0.56	African	L1b1a15
IC105EI	ASY	ASY	F	0.74	African	L1b1a15
IC255E	ASY	ASY	F	0.66	African	L1b
IC261E	ASY	ASY	F	0.66	European	J2a2b1a
IC34EI	ASY	ASY	M	0.68	African	L3e1a1a
IC44EI	ASY	ASY	M	0.56	African	L2a1f
IC49EI	ASY	ASY	F	0.70	Native American/Asian	C
IC53EI	ASY	ASY	M	0.52	African	L3e3b2
IC55EI	ASY	ASY	F	0.60	African	L1c1c
IC57EI	ASY	ASY	F	0.71	African	L3e1a1a
IC61EI	ASY	ASY	M	0.64	African	L0a2a1a
IC63EI	ASY	ASY	F	0.56	Native American/Asian	B2
IC66EI	ASY	ASY	M	0.53	African	L2a1e
IC68EI	ASY	ASY	F	0.75	Native American/Asian	B2b3a
IC69EI	ASY	ASY	F	0.68	African	L1c2b
IC88EI	ASY	ASY	F	0.82	Native American/Asian	A2q

IC89EI	ASY	ASY	F	0.69	African	L3e3b1
IC92EI	ASY	ASY	M	0.66	African	L3e3b1
IC93EI	ASY	ASY	M	0.55	European	K1a4f1
IC99EI	ASY	ASY	F	0.62	African	L2a1c2a
UB167	ASY	ASY	M	0.66	African	L2a1a3c
UB216	ASY	ASY	F	0.62	African	L3b3
UB242	ASY	ASY	F	0.58	Native American/Asian	B2
DP038I	CCC	Moderate CCC	M	0.62	African	L1b
DP044I	CCC	Moderate CCC	F	0.68	African	L2a
DP049I	CCC	Moderate CCC	M	0.69	African	L3d
DP050I	CCC	Moderate CCC	F	0.61	African	L2a
DP103	CCC	Moderate CCC	M	0.72	African	L0a
DP110	CCC	Moderate CCC	F	0.71	Native American/Asian	A19
DP119	CCC	Moderate CCC	M	0.67	African	L2b
DP120	CCC	Moderate CCC	F	0.62	African	L3e
DP122	CCC	Moderate CCC	F	0.69	Native American/Asian	A
DP134	CCC	Moderate CCC	F	0.65	Native American/Asian	A5b
DP145	CCC	Moderate CCC	F	0.60	African	L2a
DP150	CCC	Moderate CCC	F	0.67	European	K1a
DP153	CCC	Moderate CCC	F	0.67	Eurasian	N
DP159	CCC	Moderate CCC	M	0.65	Native American/Asian	B2b+152
DP170	CCC	Moderate CCC	F	0.67	Native American/Asian	C1
DP173	CCC	Moderate CCC	M	0.60	European	H2a
DP177	CCC	Moderate CCC	F	0.71	African	L2a
DP187	CCC	Moderate CCC	M	0.64	African	L1b
DP192	CCC	Moderate CCC	M	0.61	Native American/Asian	A5b
DP193	CCC	Moderate CCC	F	0.61	European	X2b
DP195	CCC	Moderate CCC	F	0.70	Native American/Asian	C1a
DP199	CCC	Moderate CCC	F	0.66	African	L3f
DP207	CCC	Moderate CCC	F	0.65	African	L2a
DP210	CCC	Moderate CCC	M	0.70	African	L3e
DP216	CCC	Moderate CCC	F	0.71	Native American/Asian	G1a
DP221-16	CCC	Moderate CCC	F	0.73	African	L1c
DP222	CCC	Moderate CCC	F	0.68	African	L2a

DP225	CCC	Moderate CCC	F	0.70	African	L2a
DP64	CCC	Moderate CCC	F	0.64	African	L2a
DP67	CCC	Moderate CCC	F	0.69	Native American/Asian	C1
DP68	CCC	Moderate CCC	M	0.66	Native American/Asian	A
DP70	CCC	Moderate CCC	M	0.78	African	L2c
DP71	CCC	Moderate CCC	F	0.60	European	H1a
DP72	CCC	Moderate CCC	M	0.61	African	L1c
DP75	CCC	Moderate CCC	F	0.67	African	L3f
DP85	CCC	Moderate CCC	F	0.64	Native American/Asian	B4
DP89	CCC	Moderate CCC	F	0.62	Native American/Asian	D4h
DP92	CCC	Moderate CCC	F	0.61	African	L3e
DP95	CCC	Moderate CCC	F	0.67	African	L3e
DP97	CCC	Moderate CCC	M	0.72	European	H2a
DP99	CCC	Moderate CCC	M	0.64	Native American/Asian	E
IC01MM	CCC	Moderate CCC	M	0.66	European	H2a
IC03MM	CCC	Moderate CCC	F	0.69	Native American/Asian	B2b
IC05MM	CCC	Moderate CCC	F	0.70	European	HV2
IC101MM	CCC	Moderate CCC	F	0.67	African	L1c
IC107MM	CCC	Moderate CCC	M	0.45	African	L2a
IC112AC	CCC	Moderate CCC	M	0.61	African	L1b1a10
IC112MM	CCC	Moderate CCC	F	0.65	European	W1g
IC113MM	CCC	Moderate CCC	F	0.65	African	L2a
IC115MM	CCC	Moderate CCC	M	0.40	African	L3e1e1
IC117MM	CCC	Moderate CCC	F	0.69	European	J2a
IC121MM	CCC	Moderate CCC	M	0.72	European	HV2
IC125MM	CCC	Moderate CCC	M	0.65	Native American/Asian	A
IC126MM	CCC	Moderate CCC	M	0.61	European	T2e
IC128MM	CCC	Moderate CCC	F	0.60	African	L3e
IC130MM	CCC	Moderate CCC	M	0.61	African	L2a
IC132MM	CCC	Moderate CCC	M	0.71	African	L2a
IC13MM	CCC	Moderate CCC	F	0.60	African	L2a
IC153MM	CCC	Moderate CCC	M	0.45	Native American/Asian	A2+(64)
IC156EC	CCC	Moderate CCC	F	0.68	Native American/Asian	C1b
IC157EC	CCC	Moderate CCC	F	0.77	Native American/Asian	C1b

IC157MM	CCC	Moderate CCC	M	0.49	African	L3e3b1
IC158EC	CCC	Moderate CCC	F	0.67	African	L1b
IC158MM	CCC	Moderate CCC	M	0.47	African	L3f1b1a
IC159MM	CCC	Moderate CCC	M	0.58	African	L1c3a1b
IC161MM	CCC	Moderate CCC	F	0.62	African	L3e
IC162EC	CCC	Moderate CCC	F	0.69	African	L3d
IC162MM	CCC	Moderate CCC	F	0.68	African	L1b
IC164MM	CCC	Moderate CCC	M	0.68	European	H2a
IC168MM	CCC	Moderate CCC	F	0.66	European	U4a
IC169EC	CCC	Moderate CCC	F	0.73	African	L1b1a10
IC171MM	CCC	Moderate CCC	M	0.62	African	L1c
IC172MM	CCC	Moderate CCC	F	0.64	Native American/Asian	B4
IC173EC	CCC	Moderate CCC	M	0.69	African	L0a2a1b
IC173MM	CCC	Moderate CCC	F	0.65	Native American/Asian	D1f
IC174MM	CCC	Moderate CCC	M	0.62	Native American/Asian	A2
IC175EC	CCC	Moderate CCC	F	0.62	African	L3e
IC177MM	CCC	Moderate CCC	F	0.66	African	L3e
IC181MM	CCC	Moderate CCC	F	0.61	Native American/Asian	C1
IC182EC	CCC	Moderate CCC	F	0.72	Native American/Asian	C1c
IC184EC	CCC	Moderate CCC	M	0.63	Native American/Asian	D1
IC190EC	CCC	Moderate CCC	F	0.69	Native American/Asian	B2
IC190MM	CCC	Moderate CCC	F	0.62	African	L3f
IC192MM	CCC	Moderate CCC	F	0.65	European	J2b
IC193MM	CCC	Moderate CCC	F	0.65	European	HV2
IC194EC	CCC	Moderate CCC	M	0.69	African	L2b
IC194MM	CCC	Moderate CCC	M	0.66	Native American/Asian	C1
IC196MM	CCC	Moderate CCC	F	0.61	African	L2b
IC197MM	CCC	Moderate CCC	F	0.66	Native American/Asian	C1
IC199EC	CCC	Moderate CCC	F	0.66	Native American/Asian	A
IC200EC	CCC	Moderate CCC	M	0.67	Native American/Asian	A2+(64)+@16111
IC202EC	CCC	Moderate CCC	F	0.67	European	H
IC203EC	CCC	Moderate CCC	M	0.67	Native American/Asian	A
IC208EC	CCC	Moderate CCC	M	0.68	Native American/Asian	A2
IC211EC	CCC	Moderate CCC	M	0.63	Native American/Asian	B2

IC212EC	CCC	Moderate CCC	M	0.61	European	U3b1
IC214EC	CCC	Moderate CCC	M	0.67	African	L3f1b1a
IC215MM	CCC	Moderate CCC	F	0.69	European	J2a
IC216EC	CCC	Moderate CCC	F	0.64	European	I1
IC218EC	CCC	Moderate CCC	F	0.63	Native American/Asian	B4j
IC220EC	CCC	Moderate CCC	M	0.65	African	L1c
IC220MM	CCC	Moderate CCC	M	0.68	African	L2a
IC221MM	CCC	Moderate CCC	M	0.61	Native American/Asian	A2
IC223MM	CCC	Moderate CCC	F	0.60	African	L2a
IC225MM	CCC	Moderate CCC	F	0.64	African	L3b
IC230E	CCC	Moderate CCC	M	0.70	Native American/Asian	B4
IC234MM	CCC	Moderate CCC	F	0.64	African	L2a
IC235E	CCC	Moderate CCC	M	0.64	African	L1c
IC237E	CCC	Moderate CCC	M	0.67	African	L2a
IC23MM	CCC	Moderate CCC	F	0.62	African	L2
IC242MM	CCC	Moderate CCC	F	0.61	African	L2b
IC245MM	CCC	Moderate CCC	F	0.61	Native American/Asian	C1
IC247E	CCC	Moderate CCC	F	0.67	Native American/Asian	B4
IC24MM	CCC	Moderate CCC	F	0.67	Native American/Asian	C1a
IC256E	CCC	Moderate CCC	M	0.66	African	L2a1m
IC262E	CCC	Moderate CCC	M	0.68	Native American/Asian	A2q
IC264MM	CCC	Moderate CCC	M	0.60	African	L0d
IC269E	CCC	Moderate CCC	F	0.64	Native American/Asian	A8
IC272E	CCC	Moderate CCC	F	0.65	African	L3f
IC27MM	CCC	Moderate CCC	F	0.71	African	L3f
IC283MM	CCC	Moderate CCC	M	0.60	African	L3e
IC294MM	CCC	Moderate CCC	F	0.63	Native American/Asian	A2
IC295MM	CCC	Moderate CCC	F	0.65	African	L1c
IC317MM	CCC	Moderate CCC	F	0.61	African	L3f
IC318MM	CCC	Moderate CCC	F	0.61	African	L3e
IC327MM	CCC	Moderate CCC	F	0.62	African	L2a
IC336MM	CCC	Moderate CCC	M	0.66	European	H2a
IC33MM	CCC	Moderate CCC	F	0.68	European	H2a
IC340MM	CCC	Moderate CCC	F	0.61	African	L2a

IC342MM	CCC	Moderate CCC	F	0.60	European	H5
IC35MM	CCC	Moderate CCC	F	0.61	African	L2b
IC36MM	CCC	Moderate CCC	F	0.70	European	H2a
IC38MM	CCC	Moderate CCC	F	0.60	Native American/Asian	A2
IC426MM	CCC	Moderate CCC	F	0.66	Eurasian	N
IC429MM	CCC	Moderate CCC	F	0.61	Native American/Asian	C1
IC444MM	CCC	Moderate CCC	M	0.60	African	L0a
IC445MM	CCC	Moderate CCC	F	0.70	European	H1a
IC44AC	CCC	Moderate CCC	F	0.74	European	H1
IC458MM	CCC	Moderate CCC	F	0.61	African	L3e
IC464MM	CCC	Moderate CCC	F	0.67	Native American/Asian	C1a
IC500MM	CCC	Moderate CCC	M	0.60	European	H2a
IC504MM	CCC	Moderate CCC	M	0.67	African	L2a
IC509MM	CCC	Moderate CCC	F	0.61	Native American/Asian	A2
IC510MM	CCC	Moderate CCC	F	0.61	European	H2a
IC517MM	CCC	Moderate CCC	M	0.60	African	L2a
IC518MM	CCC	Moderate CCC	F	0.70	African	L1c
IC51EC	CCC	Moderate CCC	F	0.70	European	H28
IC523MM	CCC	Moderate CCC	F	0.60	African	L2a
IC538MM	CCC	Moderate CCC	F	0.60	European	H2a
IC539MM	CCC	Moderate CCC	F	0.66	African	L2a
IC542MM	CCC	Moderate CCC	F	0.63	African	L3e
IC68MM	CCC	Moderate CCC	F	0.63	African	L2a
IC76EC	CCC	Moderate CCC	F	0.70	African	L2a1e
IC77EC	CCC	Moderate CCC	M	0.70	Native American/Asian	A2
IC79EC	CCC	Moderate CCC	F	0.66	African	L2a1a3
IC79MM	CCC	Moderate CCC	F	0.73	European	HV2
IC82EC	CCC	Moderate CCC	F	0.72	African	L2a1a1
IC84EC	CCC	Moderate CCC	F	0.62	Native American/Asian	B2
IC84MM	CCC	Moderate CCC	M	0.61	African	L0a
IC85EC	CCC	Moderate CCC	F	0.78	African	L1b1a3
IC85MM	CCC	Moderate CCC	F	0.63	African	L3x
IC86EC	CCC	Moderate CCC	M	0.72	Native American/Asian	A2
IC87EC	CCC	Moderate CCC	M	0.62	European	H1

IC89EC	CCC	Moderate CCC	F	0.70	Native American/Asian	B2
IC89MM	CCC	Moderate CCC	M	0.40	African	L1c5
IC90EC	CCC	Moderate CCC	M	0.63	European	T2b5
IC92EC	CCC	Moderate CCC	F	0.72	African	L2a1c1
IC92MM	CCC	Moderate CCC	M	0.69	European	HV2
IC95EC	CCC	Moderate CCC	F	0.68	African	L1b1a10
IC96MM	CCC	Moderate CCC	F	0.70	African	L1c
ICB08	CCC	Moderate CCC	F	0.65	African	L1b
RP46	CCC	Moderate CCC	M	0.67	Native American/Asian	A
RP54	CCC	Moderate CCC	F	0.74	European	T1a
UB101	CCC	Moderate CCC	F	0.67	African	L2a
UB86	CCC	Moderate CCC	F	0.68	African	L2b
DP037I	CCC	Severe CCC	M	0.29	Native American/Asian	C1
DP046I	CCC	Severe CCC	F	0.22	African	L3e
DP053I	CCC	Severe CCC	F	0.29	Native American/Asian	B4
DP108	CCC	Severe CCC	M	0.25	African	L3e
DP109	CCC	Severe CCC	F	0.20	African	L1b
DP112	CCC	Severe CCC	F	0.26	European	H2a
DP117	CCC	Severe CCC	F	0.28	Native American/Asian	D5a
DP125	CCC	Severe CCC	F	0.21	Native American/Asian	A
DP133	CCC	Severe CCC	M	0.29	African	L2a
DP148	CCC	Severe CCC	F	0.30	Eurasian	N
DP149	CCC	Severe CCC	M	0.25	African	L1c
DP156	CCC	Severe CCC	M	0.25	European	HV2
DP168	CCC	Severe CCC	F	0.26	European	U8b
DP178	CCC	Severe CCC	M	0.30	African	L3b
DP205	CCC	Severe CCC	F	0.24	Native American/Asian	C1
DP218	CCC	Severe CCC	F	0.20	African	L3e
DP73	CCC	Severe CCC	F	0.25	African	L3b
DP76	CCC	Severe CCC	F	0.21	Eurasian	M5a
DP90	CCC	Severe CCC	M	0.29	African	L3e
IC09ET	CCC	Severe CCC	F	0.27	Native American/Asian	B2h
IC100MM	CCC	Severe CCC	M	0.24	African	L1c
IC103MM	CCC	Severe CCC	M	0.25	African	L3e

IC106MM	CCC	Severe CCC	M	0.20	African	L1c
IC116MM	CCC	Severe CCC	F	0.26	Native American/Asian	A
IC119MM	CCC	Severe CCC	F	0.30	European	H2a
IC127EC	CCC	Severe CCC	M	0.30	Native American/Asian	D5a
IC127MM	CCC	Severe CCC	M	0.25	African	L3e2a1a
IC137MM	CCC	Severe CCC	M	0.20	African	L0a
IC139MM	CCC	Severe CCC	M	0.25	European	H3p
IC147MM	CCC	Severe CCC	M	0.30	Eurasian	R0a
IC148MM	CCC	Severe CCC	F	0.25	African	L2a
IC150EC	CCC	Severe CCC	F	0.27	African	L2a1+16189 (16192)
IC150MM	CCC	Severe CCC	F	0.30	African	L3e1
IC151MM	CCC	Severe CCC	M	0.30	European	H2a2a
IC151MM	CCC	Severe CCC	M	0.30	Native American/Asian	D1f
IC154EC	CCC	Severe CCC	M	0.30	Native American/Asian	A2
IC155EC	CCC	Severe CCC	F	0.26	African	L3e
IC155MM	CCC	Severe CCC	M	0.30	European	H2a2a1
IC156MM	CCC	Severe CCC	F	0.25	African	L2a1a
IC160MM	CCC	Severe CCC	M	0.30	Native American/Asian	C1d1
IC163EC	CCC	Severe CCC	F	0.30	African	L1c
IC165EC	CCC	Severe CCC	M	0.25	Native American/Asian	C1
IC166EC	CCC	Severe CCC	M	0.25	European	J2a
IC175MM	CCC	Severe CCC	M	0.18	African	L1b
IC178EC	CCC	Severe CCC	M	0.26	European	H2a
IC180EC	CCC	Severe CCC	F	0.25	African	L1c
IC181EC	CCC	Severe CCC	M	0.28	Native American/Asian	D1g
IC184MM	CCC	Severe CCC	M	0.25	European	H6
IC185EC	CCC	Severe CCC	F	0.28	Native American/Asian	A12a
IC186MM	CCC	Severe CCC	M	0.25	European	H2a
IC187EC	CCC	Severe CCC	M	0.26	African	L3b
IC188MM	CCC	Severe CCC	M	0.22	African	L0a
IC192EC	CCC	Severe CCC	F	0.25	African	L2a
IC195EC	CCC	Severe CCC	M	0.27	African	L3b
IC195MM	CCC	Severe CCC	M	0.25	African	L2d
IC197EC	CCC	Severe CCC	F	0.30	Native American/Asian	D4j

IC200MM	CCC	Severe CCC	M	0.22	African	L3e
IC206EC	CCC	Severe CCC	M	0.19	African	L1c
IC206MM	CCC	Severe CCC	M	0.25	African	L2a
IC207EC	CCC	Severe CCC	F	0.30	African	L3e
IC214MM	CCC	Severe CCC	F	0.25	Native American/Asian	A
IC219EC	CCC	Severe CCC	M	0.27	African	L2a
IC2249E	CCC	Severe CCC	F	0.22	African	L2a
IC224EC	CCC	Severe CCC	F	0.30	African	L2a
IC227MM	CCC	Severe CCC	M	0.20	African	L2a
IC228EC	CCC	Severe CCC	M	0.27	African	L3f
IC229MM	CCC	Severe CCC	M	0.30	European	HV2
IC22MM	CCC	Severe CCC	M	0.22	African	L1c
IC232MM	CCC	Severe CCC	M	0.25	African	L2a
IC236MM	CCC	Severe CCC	M	0.24	European	J2a
IC241MM	CCC	Severe CCC	M	0.21	African	L1b
IC243E	CCC	Severe CCC	M	0.20	African	L1c
IC243MM	CCC	Severe CCC	M	0.21	Native American/Asian	B2b
IC245E	CCC	Severe CCC	M	0.25	European	H42a
IC250MM	CCC	Severe CCC	M	0.26	African	L3b
IC252MM	CCC	Severe CCC	M	0.30	African	L1b
IC253MM	CCC	Severe CCC	M	0.28	African	L3e
IC256MM	CCC	Severe CCC	M	0.25	Native American/Asian	A
IC258MM	CCC	Severe CCC	M	0.30	Native American/Asian	G1a
IC259MM	CCC	Severe CCC	M	0.26	Native American/Asian	G1a
IC261MM	CCC	Severe CCC	M	0.25	African	L2a
IC263E	CCC	Severe CCC	M	0.20	European	H42a
IC265MM	CCC	Severe CCC	M	0.20	Native American/Asian	C1
IC266E	CCC	Severe CCC	M	0.27	African	L2c
IC267MM	CCC	Severe CCC	F	0.30	African	L2a
IC268E	CCC	Severe CCC	M	0.30	African	L2c
IC270MM	CCC	Severe CCC	F	0.30	African	L3e
IC275MM	CCC	Severe CCC	M	0.28	African	L2a
IC277MM	CCC	Severe CCC	M	0.25	African	L3f
IC279MM	CCC	Severe CCC	F	0.21	African	L3e

IC280MM	CCC	Severe CCC	M	0.29	African	L1b
IC281MM	CCC	Severe CCC	M	0.30	Native American/Asian	A
IC282MM	CCC	Severe CCC	M	0.20	African	L2a
IC284MM	CCC	Severe CCC	F	0.23	African	L1c
IC286MM	CCC	Severe CCC	F	0.30	African	L2a
IC293MM	CCC	Severe CCC	M	0.27	European	J2b
IC297MM	CCC	Severe CCC	F	0.30	African	L3f
IC298MM	CCC	Severe CCC	M	0.25	African	L1c
IC299MM	CCC	Severe CCC	F	0.28	European	H2a
IC305MM	CCC	Severe CCC	M	0.30	Native American/Asian	C1a
IC311MM	CCC	Severe CCC	F	0.20	African	L2a
IC313MM	CCC	Severe CCC	M	0.25	European	H2a
IC314MM	CCC	Severe CCC	M	0.30	Native American/Asian	C1
IC320MM	CCC	Severe CCC	M	0.20	European	H2a
IC324MM	CCC	Severe CCC	F	0.25	African	L2a
IC335MM	CCC	Severe CCC	F	0.20	African	L2a
IC346MM	CCC	Severe CCC	F	0.20	African	L1c
IC351MM	CCC	Severe CCC	M	0.30	African	L3f
IC39MM	CCC	Severe CCC	M	0.27	European	T1
IC39MM	CCC	Severe CCC	M	0.27	European	H42a
IC448MM	CCC	Severe CCC	M	0.16	Native American/Asian	C1
IC44MM	CCC	Severe CCC	M	0.25	Native American/Asian	C
IC44MM	CCC	Severe CCC	M	0.25	Native American/Asian	C1
IC452MM	CCC	Severe CCC	F	0.08	Native American/Asian	C1
IC454MM	CCC	Severe CCC	M	0.30	Eurasian	R2c
IC456MM	CCC	Severe CCC	F	0.21	African	L1c
IC45MM	CCC	Severe CCC	M	0.19	African	L2a
IC466MM	CCC	Severe CCC	F	0.26	Native American/Asian	A2a
IC467MM	CCC	Severe CCC	M	0.27	African	L1c
IC468MM	CCC	Severe CCC	M	0.26	African	L1c
IC480MM	CCC	Severe CCC	M	0.18	Native American/Asian	F3a
IC486MM	CCC	Severe CCC	M	0.30	European	U6a
IC507MM	CCC	Severe CCC	F	0.30	European	U6a
IC528MM	CCC	Severe CCC	M	0.25	African	L1c

IC536MM	CCC	Severe CCC	M	0.30	African	L2b
IC53MM	CCC	Severe CCC	M	0.26	African	L1c3a
IC541MM	CCC	Severe CCC	M	0.28	African	L2a
IC544MM	CCC	Severe CCC	F	0.28	African	L1c
IC61EC	CCC	Severe CCC	F	0.37	African	L0a2a1a
IC64MM	CCC	Severe CCC	M	0.28	Native American/Asian	A2
IC65MM	CCC	Severe CCC	M	0.35	African	L1c2b
IC66MM	CCC	Severe CCC	M	0.23	African	L3f
IC77MM	CCC	Severe CCC	M	0.29	African	L3e
IC79AC	CCC	Severe CCC	M	0.30	European	H2a
IC81MM	CCC	Severe CCC	F	0.25	Eurasian	N
IC88MM	CCC	Severe CCC	F	0.20	African	L1b
IC90MM	CCC	Severe CCC	M	0.17	African	L2a
IC95MM	CCC	Severe CCC	F	0.30	African	L1c1d1
RP28C	CCC	Severe CCC	M	0.23	Native American/Asian	A2
RP31C	CCC	Severe CCC	M	0.27	European	K1a
RP32C	CCC	Severe CCC	M	0.27	European	I1
IC152MM	CCC		M		African	L3f1b4a1
IC154MM	CCC		M		Native American/Asian	D1
DP127	CCC	Moderate CCC	M	0.72	Native American/Asian	A2
DP146	CCC	Moderate CCC	F	0.64	African	L3e2a1b1
DP220	CCC	Moderate CCC	M	0.61	Native American/Asian	D4h3a
7210032	Control	Control	F		European	J(J)
8227031	Control	Control	M		European	V(V+@72)
9227032	Control	Control	F		European	HV2(HV2)
10227052	Control	Control	F		African	L3e(L3e2b)
11808031	Control	Control	F		African	L1c(L1c1a2)
12813033	Control	Control	F		European	H2a(H2a1)
13813041	Control	Control	F		African	L2a(L2a1)
14833012	Control	Control	F		African	L3e(L3e3)
15843041	Control	Control	F		Native American/Asian	D1f(D1f1)
16907052	Control	Control	F		Native American/Asian	B2h(B2h)
17912032	Control	Control	F		European	U5b(U5b1b1+@16192)
18912051	Control	Control	F		European	T(T)

19309051	Control	Control	M	Native American/Asian	M9a(M9a)
21309053	Control	Control	F	Native American/Asian	M7a(M7a1a7)
22309072	Control	Control	F	Native American/Asian	B4(B4)
23312012	Control	Control	F	European	J1c(J1c15b)
24312081	Control	Control	F	Native American/Asian	A2(A2)
25312101	Control	Control	M	Native American/Asian	N1a(N1a3a)
26312102	Control	Control	F	European	H2a(H2a2a1f)
27319021	Control	Control	M	African	L3e(L3e1a2)
28326021	Control	Control	F	European	J1c(J1c3e)
31823101	Control	Control	M	Native American/Asian	A2(A2+(64))
32833091	Control	Control	M	African	L3f(L3f1b)
33838042	Control	Control	F	European	U8b(U8b1a2a)
34930051	Control	Control	F	African	L2a(L2a1)
36041011	Control	Control	M	African	L2a(L2a1)
37041012	Control	Control	F	Native American/Asian	A2(A2+(64))
39111041	Control	Control	F	Native American/Asian	A2(A2+(64)+16189)
40126061	Control	Control	M	Native American/Asian	A2(A2+(64)+@16111)
41130012	Control	Control	F	African	L3b(L3b1a8)
42140012	Control	Control	F	Native American/Asian	B4(B4)
43140021	Control	Control	M	Native American/Asian	C1b(C1b8)
44140022	Control	Control	F	European	H2a(H2a2a1)
45513012	Control	Control	F	European	J1b(J1b5)
46518081	Control	Control	M	Native American/Asian	B4a(B4a1b1)
47518082	Control	Control	F	European	W(W)
48130071	Control	Control	M	European	K(K)
49103041	Control	Control	M	European	T2f(T2f7a)
50103042	Control	Control	F	European	U5b(U5b3h)
52103052	Control	Control	F	European	HV0(HV0)
53409011	Control	Control	F	European	K(K)
54409051	Control	Control	F	European	J1c(J1c2e2)
55911051	Control	Control	F	Native American/Asian	C1d(C1d1d)
56911052	Control	Control	M	Native American/Asian	C1(C1)
57914021	Control	Control	F	European	J1c(J1c5c1)
58908011	Control	Control	M	African	L2b(L2b1a)

59603011	Control	Control	F	African	L2b(L2b1a)
60933051	Control	Control	M	Native American/Asian	B4(B4)
61929041	Control	Control	M	European	H2a(H2a2a1)
62929011	Control	Control	F	European	U5a(U5a1g2)
63929012	Control	Control	M	European	H1c(H1c1)
64404101	Control	Control	F	Native American/Asian	D1f(D1f1)
65414101	Control	Control	M	European	U5b(U5b3)
66417082	Control	Control	F	European	H3h(H3h2)
67903011	Control	Control	F	Native American/Asian	C1d(C1d1d)
68922043	Control	Control	F	European	H2a(H2a2a1d)
69929081	Control	Control	M	African	L3d(L3d1b3a)
70903071	Control	Control	M	European	U8b(U8b1b)
71921101	Control	Control	F	European	J(J)
72912072	Control	Control	F	Native American/Asian	A2(A2+(64)+@16111)
73925021	Control	Control	F	European	H2a(H2a2a1f)
75934012	Control	Control	F	African	L2c(L2c)
76718041	Control	Control	F	European	H2a(H2a2a1)
77720012	Control	Control	F	Native American/Asian	A2(A2+(64))
78737011	Control	Control	F	African	L3h(L3h1a2b)
80418051	Control	Control	M	European	H2a(H2a2a1f)
81418052	Control	Control	F	European	H1j(H1j8)
82425021	Control	Control	M	Native American/Asian	A2(A2+(64)+@16111)
84428022	Control	Control	F	European	K1a(K1a9)
86428052	Control	Control	F	European	H1e(H1e+16129)
89220082	Control	Control	F	European	V3a(V3a)
90803081	Control	Control	M	Native American/Asian	B4(B4)
91803082	Control	Control	F	African	L2a(L2a1)
93809091	Control	Control	F	European	H2a(H2a2a1)
94838091	Control	Control	M	African	L2a(L2a1g)
96844091	Control	Control	M	European	J1c(J1c1d)
97844092	Control	Control	F	European	X2f(X2f1)
98850071	Control	Control	F	European	JT(JT)
100102082	Control	Control	F	European	X(X)
101106071	Control	Control	F	European	U5b(U5b2a5)

102116021	Control	Control	M	Native American/Asian	B2h(B2h)
103116022	Control	Control	F	African	L0a(L0a'g)
104116082	Control	Control	F	European	T1a(T1a)
105301031	Control	Control	M	African	L1c(L1c2)
106301032	Control	Control	F	African	L1c(L1c2)
107301101	Control	Control	F	African	L1c(L1c2)
109303083	Control	Control	F	African	L3e(L3e1b)
110306031	Control	Control	F	Native American/Asian	C1b(C1b13d)
111306051	Control	Control	F	African	L2a(L2a1+16189)
113306062	Control	Control	F	Native American/Asian	A2a(A2al)
114306102	Control	Control	F	African	L3b(L3b)
115700198	Control	Control	M	European	H1b(H1b1+16362)
116724051	Control	Control	F	African	L1c(L1c1)
117731031	Control	Control	M	African	L3e(L3e2b)
118410051	Control	Control	F	African	L2a(L2a1c+16129)
119410052	Control	Control	M	African	L3e(L3e2b)
120416021	Control	Control	F	European	K(K)
121418032	Control	Control	F	European	T1(T1)
122309061	Control	Control	M	European	HV0(HV0)
123313091	Control	Control	F	Native American/Asian	C1a(C1a)
124313101	Control	Control	M	Asia	G1a(G1a1)
125318061	Control	Control	F	European	U5b(U5b1e)
126322071	Control	Control	M	Native American/Asian	B2b(B2b3a)
127923021	Control	Control	F	African	L2a(L2a1a3c)
128909102	Control	Control	F	Native American/Asian	A2q(A2q)
130900253	Control	Control	M	European	V(V+@72)
131909101	Control	Control	M	Native American/Asian	A2(A2)
132936052	Control	Control	F	European	U5(U5)
133918061	Control	Control	F	Native American/Asian	D1f(D1f1)
134901092	Control	Control	F	Native American/Asian	D5b(D5b1b2)
135901091	Control	Control	M	Native American/Asian	M6(M6)
136923081	Control	Control	M	African	L3b(L3b2)
137701061	Control	Control	M	European	U5a(U5a1)
138106041	Control	Control	F	African	L2a(L2a1)

139111041	Control	Control	F	European	U5b(U5b1+16189)
140706102	Control	Control	F	European	U3(U3)
141707011	Control	Control	F	African	L3f(L3f1b)
142707081	Control	Control	F	Native American/Asian	C1(C1)
143709042	Control	Control	F	European	T2(T2+16189)
145709101	Control	Control	M	European	H2a(H2a2a1)
146509051	Control	Control	M	African	L3e(L3e1a1)
147213061	Control	Control	F	European	H24(H24)
148213091	Control	Control	M	European	HV2(HV2)
149213051	Control	Control	F	Native American/Asian	A2(A2)
150228101	Control	Control	M	Native American/Asian	B4(B4)
151228102	Control	Control	F	Native American/Asian	B4(B4)
152206101	Control	Control	M	European	HV2(HV2)
153206102	Control	Control	F	African	L3b(L3b1a3)
154224081	Control	Control	M	African	L3b(L3b1a3)
155224111	Control	Control	M	African	L2a(L2a1+16189)
156202031	Control	Control	F	African	L1c(L1c1)
157610031	Control	Control	F	African	L1c(L1c2a1a)
158718101	Control	Control	F	African	L3e(L3e1a2)
159210011	Control	Control	M	Native American/Asian	B2h(B2h)
160230011	Control	Control	M	European	K1a(K1a)
161230101	Control	Control	F	African	L1c(L1c2)
162910071	Control	Control	F	African	L3e(L3e2b)
163910072	Control	Control	M	Native American/Asian	B4(B4)
164919041	Control	Control	F	Native American/Asian	C1(C1)
165919051	Control	Control	F	Native American/Asian	A2(A2)
166919061	Control	Control	F	African	L3b(L3b)
168921021	Control	Control	M	Native American/Asian	B4(B4)
169640071	Control	Control	F	Native American/Asian	B2h(B2h)
170918061	Control	Control	M	European	H5t(H5t)
172901102	Control	Control	F	African	L1c(L1c4)
174003031	Control	Control	F	European	H101(H101)
175020072	Control	Control	F	African	L1b(L1b)
177023091	Control	Control	M	African	L2a(L2a1)

178718051	Control	Control	F	Native American/Asian	B4(B4)
179800101	Control	Control	M	European	H1a(H1a1)
180806071	Control	Control	M	European	H5(H5+16311)
181806072	Control	Control	F	African	L2b(L2b)
182806101	Control	Control	F	Native American/Asian	B4(B4)
183810061	Control	Control	M	Native American/Asian	B2i(B2i2a1)
184817091	Control	Control	M	European	H2a(H2a2a1)
185706052	Control	Control	F	Native American/Asian	B4(B4)
186905062	Control	Control	F	Asia	G1a(G1a1)
187914081	Control	Control	F	African	L2a(L2a1+143+16189)
188711071	Control	Control	F	European	H2a(H2a2a1)
189711051	Control	Control	M	African	L3d(L3d1a1'2)
190731091	Control	Control	M	European	H1e(H1e+16129)
191735081	Control	Control	M	European	H2a(H2a5a1)
192723061	Control	Control	F	European	U4(U4)
193200178	Control	Control	F	European	HV0(HV0)
194211031	Control	Control	M	African	L1c(L1c2)
196216032	Control	Control	F	Native American/Asian	A2(A2+(64))
197226051	Control	Control	F	Native American/Asian	D4h(D4h1)
198305011	Control	Control	M	European	H5a(H5a4a)
201320081	Control	Control	M	Native American/Asian	A2(A2+(64))
202320082	Control	Control	F	Native American/Asian	A2(A2)
203323011	Control	Control	M	African	L2a(L2a1a2)
205300083	Control	Control	M	European	H1b(H1bv1)
207701083	Control	Control	F	Native American/Asian	M9a(M9a1a1c)
208320012	Control	Control	F	Native American/Asian	C1(C1)
209320091	Control	Control	F	European	U2e(U2e)
210322011	Control	Control	M	European	H2a(H2a2a1)
211322012	Control	Control	F	European	T(T)
212716041	Control	Control	F	African	L1c(L1c2a1a)
213720091	Control	Control	M	African	L0a(L0a1a)
214709101	Control	Control	F	Native American/Asian	A2(A2+(64)+16189)
215712101	Control	Control	F	Native American/Asian	C1(C1)
216211041	Control	Control	M	European	K(K)

217211042	Control	Control	F	Native American/Asian	C1(C1)
218208091	Control	Control	M	European	J1c(J1c1c)
219208092	Control	Control	F	European	H2a(H2a2a1)
220211091	Control	Control	M	Native American/Asian	A2(A2)
221409101	Control	Control	M	European	H3c(H3c2)
222409102	Control	Control	F	European	U5a(U5a1+@16192)
224309081	Control	Control	F	European	J(J)
225204032	Control	Control	F	African	L0g(L0g)
226505041	Control	Control	M	Native American/Asian	B2m(B2m)
227708102	Control	Control	F	Native American/Asian	A2(A2)
228901052	Control	Control	F	African	L3b(L3b)
229727101	Control	Control	M	Native American/Asian	A2(A2+(64)+@16111)
230727081	Control	Control	M	African	L2c(L2c2b1b)
231904021	Control	Control	M	European	H6(H6)
232503031	Control	Control	F	European	H2a(H2a2a1)
233435041	Control	Control	M	African	L2a(L2a1)
234435042	Control	Control	F	African	L2a(L2a1)
235414031	Control	Control	M	European	J1b(J1b1a1)
236414032	Control	Control	F	European	H2a(H2a2a1)
237218082	Control	Control	F	Native American/Asian	A2(A2+(64))
238218081	Control	Control	M	Native American/Asian	C1(C1)
239601011	Control	Control	F	African	L2b(L2b1a)
240601021	Control	Control	F	European	H8(H8)
241601031	Control	Control	F	African	L2a(L2a1+143+@16309)
242605081	Control	Control	F	European	J2b(J2b1a)
243607091	Control	Control	F	European	K1b(K1b1a)
244604061	Control	Control	F	European	K1b(K1b1a)
245309062	Control	Control	F	European	I5a(I5a4)
246323051	Control	Control	F	African	L3d(L3d1d)
247327031	Control	Control	M	European	H1a(H1aj1)
248200128	Control	Control	M	European	H2a(H2a2a1g)
250214101	Control	Control	M	European	H2a(H2a2a1)
251226081	Control	Control	F	European	K(K)
252900011	Control	Control	F	European	U5a(U5a1a1h)

253900058	Control	Control	F	European	T2b(T2b)
254911101	Control	Control	M	European	H11a(H11a)
256801011	Control	Control	F	European	U5b(U5b1b1g1)
257801021	Control	Control	F	European	H2a(H2a2a1f)
258801022	Control	Control	M	European	U5a(U5a2a)
259801031	Control	Control	M	European	K1(K1+16362)
260803041	Control	Control	F	Native American/Asian	C1(C1)
261805051	Control	Control	F	Native American/Asian	A2(A2)
262805052	Control	Control	M	Native American/Asian	B4(B4)
263805061	Control	Control	F	European	H3c(H3c2)
264812071	Control	Control	M	Native American/Asian	C1(C1)
265812072	Control	Control	F	Native American/Asian	M7c(M7c1a4a)
266102011	Control	Control	M	African	L3e(L3e2)
267102051	Control	Control	M	African	L2a(L2a1)
269102031	Control	Control	F	Native American/Asian	C1(C1)
270103041	Control	Control	M	African	L0a(L0a1b)
271110101	Control	Control	M	European	T1a(T1a9)
272106071	Control	Control	F	European	J1c(J1c11)
273106111	Control	Control	M	Native American/Asian	A5c(A5c)
274105051	Control	Control	F	African	L3e(L3e1)
275108081	Control	Control	M	Native American/Asian	C1a(C1a)
276110121	Control	Control	F	European	T1a(T1a9)
277101021	Control	Control	F	European	H2a(H2a2a1f)
278900185	Control	Control	M	African	L2a(L2a1c2a)
279902091	Control	Control	M	European	T1a(T1a)
376100111	Control	Control	M	European	K(K)
377900041	Control	Control	M	African	L0a(L0a1b)
378900081	Control	Control	F	European	K1a(K1a6)
379007151	Control	Control	F	European	W1g(W1g)
380013012	Control	Control	F	Native American/Asian	A2(A2+(64)+16189)
381016011	Control	Control	F	African	L3d(L3d3a)
382019052	Control	Control	F	Native American/Asian	D4h(D4h2)
386832101	Control	Control	M	European	H2a(H2a2a1f)
387832102	Control	Control	F	European	H1e(H1e4a)

390400091	Control	Control	M	Native American/Asian	C1(C1)
391400051	Control	Control	F	Native American/Asian	A2(A2+(64)+@16111)
392400061	Control	Control	F	African	L0a(L0a1'4)
393400101	Control	Control	M	African	L3d(L3d3a)
394400011	Control	Control	F	African	L3e(L3e2)
395200244	Control	Control	F	Native American/Asian	A2(A2)
396725011	Control	Control	M	African	L3e(L3e1a1)
397725012	Control	Control	F	Native American/Asian	C1(C1)
398725051	Control	Control	M	Native American/Asian	C4c(C4c1a)
399725052	Control	Control	F	Native American/Asian	A2(A2)
401217031	Control	Control	M	European	H2a(H2a2a1)
402000439	Control	Control	M	European	H3v(H3v+16093)
403611041	Control	Control	M	European	X(X)
404808011	Control	Control	M	European	H33c(H33c)
405811051	Control	Control	F	African	L3b(L3b)
406000435	Control	Control	M	European	K1a(K1a)
407000434	Control	Control	F	European	H1b(H1bv1)
408000441	Control	Control	M	European	T1a(T1a)
409000527	Control	Control	M	African	L2a(L2a1a2)
410817061	Control	Control	F	European	K(K)
411611051	Control	Control	F	European	H3v(H3v+16093)
413620032	Control	Control	F	European	U5b(U5b2b1a)
416215041	Control	Control	M	European	H1b(H1b)
420213011	Control	Control	F	European	H5(H5)
422211031	Control	Control	M	European	H2a(H2a2a1)
423320091	Control	Control	M	Native American/Asian	B4(B4)
424320092	Control	Control	F	Native American/Asian	A2a(A2al)
425100248	Control	Control	F	Native American/Asian	A2a(A2al)
426111081	Control	Control	F	African	L1b(L1b)
427046021	Control	Control	F	European	U2d(U2d3)
428046012	Control	Control	F	African	L3e(L3e2)
1338519701	Control	Control	M	African	L3e(L3e3)
1339531301	Control	Control	M	Asia	G1a(G1a1)
1340826701	Control	Control	M	European	H2a(H2a2a1)

1341317021	Control	Control	M	African	L1c(L1c1a2)
1342817101	Control	Control	M	European	T2(T2)
1343317022	Control	Control	F	African	L0a(L0a1b2)
1344203301	Control	Control	F	Native American/Asian	C1(C1)
3173319102	Control	Control	M	European	HV6a(HV6a)

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Supplementary Table S4: Statistics on African sub-haplogroup distribution. 10

	ASY	CCC
L0	3	8
L1, L2, L3	24	183
P value	0.15	
Relative risk	2.35	

	ASY	MOD
L0	3	5
L1, L2, L3	24	85
P value	0.38	
Relative risk	1.70	

	ASY	SEV
L0	3	3
L1, L2, L3	24	97
P value	0.11	
Relative risk	2 .52	

	MOD	SEV
L0	5	3
L1, L2, L3	85	97
P value	0.48	
Relative risk	1.34	

	ASY	Healthy
L0	3	7
L1, L2, L3	24	70
P value	0.71	
Relative risk	1.18	

	CCC	Healthy
L0	8	7
L1, L2, L3	183	70
P value	0.14	
Relative risk	0.73	

	MOD	Healthy
L0	5	7
L1, L2, L3	85	70
P value	0.54	
Relative risk	0.76	

	SEV	Healthy
L0	3	7
L1, L2, L3	97	70
P value	0.11	
Relative risk	0.52	

	ASY	CCC
L1	9	51
L0, L2, L3	18	140
P value	0.49	
Relative risk	1.32	

	ASY	MOD
L1	9	20
L0, L2, L3	18	70
P value	0.31	
Relative risk	1.52	

	ASY	SEV
L1	9	31
L0, L2, L3	18	69
P value	0.82	
Relative risk	1.09	

	MOD	SEV
L1	20	31
L0, L2, L3	70	69
P value	0.23	
Relative risk	0.77	

	ASY	Healthy
L1	9	14
L0, L2, L3	18	63
P value	0.11	
Relative risk	1.76	

	CCC	Healthy
L1	51	14
L0, L2, L3	140	63
P value	0.16	
Relative risk	1.14	

	MOD	Healthy
L1	20	14
L0, L2, L3	70	63
P value	0.57	
Relative risk	1.12	

	SEV	Healthy
L1	31	14
L0, L2, L3	69	63
P value	0.06	
Relative risk	1.32	

	ASY	CCC
L2	9	68
L0, L1, L3	18	123
P value	0.99	
Relative risk	0.92	

	ASY	MOD
L2	9	38
L0, L1, L3	18	52
P value	0.50	
Relative risk	0.74	

	ASY	SEV
L2	9	30
L0, L1, L3	18	70
P value	0.82	
Relative risk	1.13	

	MOD	SEV
L2	38	30
L0, L1, L3	52	70
P value	0.11	
Relative risk	1.31	

	ASY	Healthy
L2	9	25
L0, L1, L3	18	52

	CCC	Healthy
L2	68	25
L0, L1, L3	123	52

	MOD	Healthy
L2	20	25
L0, L1, L3	70	52

	SEV	Healthy
L2	30	25
L0, L1, L3	70	52

	P value	0.99			P value	0.67			P value	0.16			P value	0.75
	Relative risk	1.03			Relative risk	1.04			Relative risk	0.77			Relative risk	0.95

	ASY	CCC			ASY	MOD			ASY	SEV			MOD	SEV
L3	6	64		**L3**	6	27		**L3**	6	36		**L3**	27	36
L0, L1, L2	21	127		**L0, L1, L2**	21	63		**L0, L1, L2**	21	64		**L0, L1, L2**	63	64
P value	0.28			P value	0.48			P value	0.25			P value	0.47	
Relative risk	0.60			Relative risk	1.38			Relative risk	0.58			Relative risk	0.86	

	ASY	Healthy			CCC	Healthy			MOD	Healthy			SEV	Healthy
L3	6	31		**L3**	64	31		**L3**	20	31		**L3**	36	31
L0, L1, L2	21	46		**L0, L1, L2**	127	46		**L0, L1, L2**	70	46		**L0, L1, L2**	64	46
P value	0.11			P value	0.32			P value	0.02			P value	0.64	
Relative risk	0.52			Relative risk	0.92			Relative risk	0.64			Relative risk	0.92	

ASY: Asymptomatic subjects ; **CCC:** Chronic Chagas Cardiomyopathy patients ; **MOD:** Patients with moderate Chronic Chagas Cardiomyopathy ; **SEV:** Patients with severe

Chronic Chagas Cardiomyopathy; **Healthy:** Healthy Brazilian reference population.

Supplementary Table S5: Clinical information on patients for whom the whole mitochondria genome has been sequenced (n=112).

Samples	Phenotype	Sub-phenotype	Sex	Age	EF
DP034I	ASY	ASY	M		0.63
DP048I	ASY	ASY	F		0.67
DP123	ASY	ASY	F	63	0.57
DP130	ASY	ASY	F	61	0.63
DP135	ASY	ASY	M	50	0.66
DP136	ASY	ASY	F	50	0.64
DP141	ASY	ASY	M	50	0.73
DP142	ASY	ASY	F	50	0.72
DP164	ASY	ASY	F	59	0.6
DP166	ASY	ASY	F	61	0.64
DP174	ASY	ASY	M	60	0.82
DP179	ASY	ASY	M	60	0.68
DP184	ASY	ASY	M	62	0.73
IC100EI	ASY	ASY	F	53	0.69
IC102EI	ASY	ASY	M	61	0.78
IC104EI	ASY	ASY	F	61	0.56
IC105EI	ASY	ASY	F	56	0.74
IC255E	ASY	ASY	F	51	0.66
IC261E	ASY	ASY	F	45	0.66
IC34EI	ASY	ASY	M	49	0.68
IC44EI	ASY	ASY	M	60	0.56
IC49EI	ASY	ASY	F	0	0.7
IC53EI	ASY	ASY	M	0	0.52
IC55EI	ASY	ASY	F	53	0.6
IC57EI	ASY	ASY	F	40	0.71
IC61EI	ASY	ASY	M	48	0.64
IC63EI	ASY	ASY	F	56	0.56
IC66EI	ASY	ASY	M	51	0.53
IC68EI	ASY	ASY	M	59	0.71
IC69EI	ASY	ASY	F	41	0.68
IC88EI	ASY	ASY	F	46	0.82

IC89EI	ASY	ASY	F	50	0.69
IC92EI	ASY	ASY	M	62	0.66
IC93EI	ASY	ASY	M	31	0.55
IC99EI	ASY	ASY	F	43	0.62
UB167	ASY	ASY	M	51	0.66
UB216	ASY	ASY	F	63	0.62
UB242	ASY	ASY	F	51	0.58
DP127	CCC	Moderate	M	69	0.72
DP146	CCC	Moderate	F	55	0.64
DP159	CCC	Moderate	M	69	0.65
DP220	CCC	Moderate	M	71	0.61
IC112AC	CCC	Moderate	M	0	0.61
IC169EC	CCC	Moderate	F	52	0.73
IC173EC	CCC	Moderate	M	50	0.69
IC182EC	CCC	Moderate	F	53	0.72
IC184EC	CCC	Moderate	M	49	0.63
IC190EC	CCC	Moderate	F	50	0.69
IC200EC	CCC	Moderate	M	62	0.67
IC202EC	CCC	Moderate	F	40	0.67
IC208EC	CCC	Moderate	M	63	0.68
IC211EC	CCC	Moderate	M	44	0.63
IC212EC	CCC	Moderate	M	51	0.61
IC214EC	CCC	Moderate	M	55	0.67
IC256E	CCC	Moderate	M	55	0.66
IC262E	CCC	Moderate	M	40	0.68
IC44AC	CCC	Moderate	F	0	0.74
IC51EC	CCC	Moderate	F	52	0.7
IC76EC	CCC	Moderate	F	41	0.7
IC77EC	CCC	Moderate	F	44	0.7
IC79EC	CCC	Moderate	F	55	0.66
IC82EC	CCC	Moderate	F	51	0.72
IC84EC	CCC	Moderate	F	46	0.62
IC85EC	CCC	Moderate	F	47	0.78
IC86EC	CCC	Moderate	M	49	0.72

IC87EC	CCC	Moderate	M	58	0.62
IC89EC	CCC	Moderate	F	47	0.7
IC90EC	CCC	Moderate	M	55	0.63
IC92EC	CCC	Moderate	F	43	0.72
IC95EC	CCC	Moderate	F	53	0.68
JAB	CCC	Moderate	M	41	0.55
MAPC	CCC	Moderate	F	47	0.55
AAF	CCC	Severe	F	61	0.27
AAF2	CCC	Severe	M	60	0.35
ABG	CCC	Severe	F	64	0.3
ABS	CCC	Severe	M	61	0.21
APA	CCC	Severe	F	60	0.2
ATL	CCC	Severe	M	41	0.19
BHAN	CCC	Severe	M	15	0.17
EAS	CCC	Severe	M	28	0.29
EBS	CCC	Severe	M	32	0.12
ECA	CCC	Severe	F	32	0.19
EPG	CCC	Severe	M	41	0.23
GMS	CCC	Severe	M	58	0.2
HBO	CCC	Severe	M	36	0.25
IC150EC	CCC	Severe	F	47	0.27
IC61EC	CCC	Severe	F	63	0.37
IRSC	CCC	Severe	F	44	0.25
ISM	CCC	Severe	M	39	0.2
JAC	CCC	Severe	M	58	0.25
JCAL	CCC	Severe	M	66	0.21
JMS	CCC	Severe	M	50	0.25
JRJ	CCC	Severe	M	51	0.23
LAL	CCC	Severe	M	58	0.29
LMS	CCC	Severe	M	58	0.28
LRJ	CCC	Severe	F	66	0.25
MCRS	CCC	Severe	F	45	0.2
MDSS	CCC	Severe	F	60	0.24
MERS	CCC	Severe	F	39	0.2

MGAF	CCC	Severe	M	51	0.35
MGS	CCC	Severe	F	61	0.15
MLM	CCC	Severe	F	47	0.35
MSS	CCC	Severe	F	46	0.2
NDL	CCC	Severe	F	61	0.27
NFA	CCC	Severe	F	58	0.3
NSR	CCC	Severe	F	49	0.15
OMG	CCC	Severe	M	49	0.21
PAD	CCC	Severe	M	62	0.21
PMG	CCC	Severe	M	57	0.29
SCS	CCC	Severe	M	59	0.17
VPS	CCC	Severe	M	48	0.19
ZMC	CCC	Severe	F	54	0.36

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Supplementary Table S6: Carrier analysis parformed on 12429 Variants**.**

Pos	Ref	Alt	Gene	ASYvsCCC	OR ASY/CCC	ASYvsMOD	OR ASY/MOD	ASYvsSEV	OR ASY/SEV	MODvsSEV	OR MOD/SEV
106	G	A	NA	Chi2 test adj p value=1	0.45	Fisher exact test adj p value=1	0.78	Fisher exact test adj p value=1	0.25	Fisher exact test adj p value=0.99	0.32
159	T	G	NA	Fisher exact test adj p value=0.74	0.25	Fisher exact test adj p value=1	0.6	Fisher exact test adj p value=0.28	0	Fisher exact test adj p value=0.99	0
163	G	A	NA	Fisher exact test adj p value=0.74	0.21	Fisher exact test adj p value=1	0.51	Fisher exact test adj p value=0.46	0	Fisher exact test adj p value=0.99	0
180	TA	CC	NA	Fisher exact test adj p value=0.74	0.17	Fisher exact test adj p value=1	0.39	Fisher exact test adj p value=0.71	0	Fisher exact test adj p value=0.99	0
185	G	A	NA	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
302	A	AC	NA	Chi2 test adj p value=0.85	2.83	Chi2 test adj p value=1	1.29	Fisher exact test adj p value=0.025	9.38	Fisher exact test adj p value=0.39	7.25
310	T	TC	NA	Chi2 test adj p value=0.034	6.59	Chi2 test adj p value=1	3.02	Fisher exact test adj p value=4.1e-05		Fisher exact test adj p value=0.21	
310	T	C	NA	Chi2 test adj p value=1	3.22	Chi2 test adj p value=1	1.64	Fisher exact test adj p value=0.021		Fisher exact test adj p value=0.51	

318	T	C	NA	Chi2 test	4.37	Chi2 test	3.33	Chi2 test	6.67	Chi2 test	2
				adj p value=0.23		adj p value=1		adj p value=0.058		adj p value=1	
322	G	T	NA	Fisher exact test	4.45	Fisher exact test	0.64	Fisher exact test	10.57	Fisher exact test	16.57
				adj p value=0.74		adj p value=1		adj p value=0.11		adj p value=0.35	
456	C	T	NA	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	
493	A	G	NA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
499	G	C	NA	Chi2 test	3.05	Chi2 test	1.21	Chi2 test	7.67	Chi2 test	6.32
				adj p value=0.85		adj p value=1		adj p value=0.03		adj p value=0.36	
564	G	A	NA	Fisher exact test	6.29	Fisher exact test	2.85	Fisher exact test	10.57	Fisher exact test	3.71
				adj p value=0.48		adj p value=1		adj p value=0.11		adj p value=0.99	
750	A	G	RNR1	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
756	C	T	RNR1	Chi2 test	0.44	Chi2 test	0.99	Fisher exact test	0.13	Fisher exact test	0.13
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.51	
764	ACG	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
766	GCAGC	G	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
769	GC	TT	RNR1	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	
769	GC	CA	RNR1	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
809	G	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
813	A	G	RNR1	Chi2 test	0.61	Chi2 test	1.44	Fisher exact test	0.14	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.21	
825	T	A	RNR1	Chi2 test	0.52	Chi2 test	0.89	Chi2 test	0.33	Chi2 test	0.37
				adj p value=1		adj p value=1		adj p value=0.84		adj p value=1	
828	C	T	RNR1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
843	G	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
870	C	T	RNR1	Chi2 test	0.35	Chi2 test	0.77	Fisher exact test	0.08	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.24		adj p value=0.99	
877	G	C	RNR1	Chi2 test	0.29	Fisher exact test	0.58	Fisher exact test	0.09	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	

Pos	Ref	Alt	Gene	Test	p	Test	p	Test	p	Test	p
880	C	T	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
883	T	G	RNR1	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
906	C	T	RNR1	Fisher exact test	0.17	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
917	CA	TG	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
921	TC	CT	RNR1	Fisher exact test	0.18	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
921	T	C	RNR1	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=0.73		adj p value=1		adj p value=0.19		adj p value=0.86	
930	GC	CT	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
933	G	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
964	C	CT	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1009	C	T	RNR1	Chi2 test	0.39	Chi2 test	0.83	Fisher exact test	0	Fisher exact test	0

Pos	Ref	Alt	Gene	Test 1	p	Test 2	p	Test 3	p	Test 4	p
								adj p value=1		adj p value=0.19	
				adj p value=1						adj p value=0.73	
1039	AT	GC	RNR1	Fisher exact test	0.17	Fisher exact test	0.19	Fisher exact test	0.17	Fisher exact test	0.91
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1104	A	C	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1106	CTC	TAT	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
1111	C	T	RNR1	Chi2 test	0.39	Chi2 test	0.86	Fisher exact test	0.06	Fisher exact test	0.07
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.52	
1120	C	T	RNR1	Chi2 test	0.23	Chi2 test	0.55	Fisher exact test	0.04	Fisher exact test	0.07
				adj p value=0.28		adj p value=1		adj p value=0.013		adj p value=0.52	
1128	CTG	C	RNR1	Chi2 test	0.33	Fisher exact test	0.67	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.99	
1128	C	CAA	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
1129	TGC	T	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
1131	C	CAT	RNR1	Chi2 test	0.33	Fisher exact test	0.67	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.99	

				Test 1		Test 2		Test 3		Test 4	
1133	CG	TA	RNR1	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1141	C	T	RNR1	Fisher exact test adj p value=0.35	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1147	G	A	RNR1	Chi2 test adj p value=0.28	0.25	Chi2 test adj p value=1	0.55	Fisher exact test adj p value=0.0066	0.06	Fisher exact test adj p value=0.51	0.11
1151	C	A	RNR1	Chi2 test adj p value=0.076	0.19	Chi2 test adj p value=1	0.49	Fisher exact test adj p value=0.00024	0.04	Fisher exact test adj p value=0.15	0.07
1156	C	G	RNR1	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1173	C	T	RNR1	Chi2 test adj p value=0.11	0.2	Chi2 test adj p value=1	0.46	Fisher exact test adj p value=0.00068	0.04	Fisher exact test adj p value=0.39	0.1
1178	G	A	RNR1	Chi2 test adj p value=1	0.35	Chi2 test adj p value=1	0.77	Fisher exact test adj p value=0.24	0.08	Fisher exact test adj p value=0.99	0.1
1185	C	T	RNR1	Chi2 test adj p value=0.14	0.2	Chi2 test adj p value=1	0.45	Fisher exact test adj p value=0.0016	0.05	Fisher exact test adj p value=0.51	0.11
1197	G	A	RNR1	Chi2 test	0.17	Fisher exact test	0.29	Fisher exact test	0.09	Fisher exact test	0.32

				adj p value=0.14		adj p value=1		adj p value=0.092		adj p value=0.99	
1211	G	A	RNR1	Chi2 test	0.09	Chi2 test	0.2	Fisher exact test	0.04	Fisher exact test	0.18
				adj p value=0.00085		adj p value=1		adj p value=9.9e-06		adj p value=0.76	
1217	G	A	RNR1	Fisher exact test	0.03	Fisher exact test	0	Fisher exact test	0.07	Fisher exact test	
				adj p value=0.017		adj p value=1		adj p value=0.16		adj p value=1	
1220	A	G	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.062		adj p value=1		adj p value=0.28		adj p value=1	
1226	C	T	RNR1	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99	
1227	G	A	RNR1	Chi2 test	0.09	Chi2 test	0.2	Fisher exact test	0.03	Fisher exact test	0.13
				adj p value=0.00068		adj p value=1		adj p value=1.1e-05		adj p value=0.73	
1228	AT	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
1230	CA	TT	RNR1	Chi2 test	0.14	Chi2 test	0.3	Fisher exact test	0.04	Fisher exact test	0.15
				adj p value=0.02		adj p value=1		adj p value=0.00068		adj p value=0.99	
1240	A	G	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
1247	G	GCC	RNR1	Fisher exact test	0.12	Fisher exact test	0.18	Fisher exact test	0.08	Fisher exact test	0.44
				adj p value=0.15		adj p value=1		adj p value=0.24		adj p value=1	
1249	T	C	RNR1	Chi2 test	0.06	Chi2 test	0.15	Fisher exact test	0.02	Fisher exact test	0.15
				adj p value=1e-04		adj p value=1		adj p value=6.4e-07		adj p value=0.71	
1253	C	A	RNR1	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
1257	T	A	RNR1	Chi2 test	0.22	Chi2 test	0.44	Fisher exact test	0.09	Fisher exact test	0.21
				adj p value=0.3		adj p value=1		adj p value=0.092		adj p value=0.99	
1261	CC	GG	RNR1	Fisher exact test	0.18	Fisher exact test	0	Fisher exact test	0.38	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1263	G	T	RNR1	Chi2 test	0.17	Chi2 test	0.4	Fisher exact test	0.04	Fisher exact test	0.11
				adj p value=0.04		adj p value=1		adj p value=0.00068		adj p value=0.51	
1281	TG	T	RNR1	Chi2 test	0.44	Chi2 test	0.61	Fisher exact test	0.28	Fisher exact test	0.45
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.99	
1282	GAT	G	RNR1	Chi2 test	0.15	Chi2 test	0.31	Fisher exact test	0.04	Fisher exact test	0.13
				adj p value=0.029		adj p value=1		adj p value=0.00033		adj p value=0.73	

1284	TG	AA	RNR1	Chi2 test	0.44	Chi2 test	0.56	Fisher exact test	0.31	Fisher exact test	0.55
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
1285	G	GA	RNR1	Chi2 test	0.12	Chi2 test	0.28	Fisher exact test	0.04	Fisher exact test	0.13
				adj p value=0.0087		adj p value=1		adj p value=0.00024		adj p value=0.73	
1289	GC	TT	RNR1	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0.27	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1290	C	T	RNR1	Chi2 test	0.31	Chi2 test	0.61	Fisher exact test	0.06	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
1291	T	C	RNR1	Chi2 test	0.21	Chi2 test	0.45	Fisher exact test	0.06	Fisher exact test	0.12
				adj p value=0.34		adj p value=1		adj p value=0.093		adj p value=0.99	
1291	TA	CG	RNR1	Chi2 test	0.49	Chi2 test	0.96	Fisher exact test	0.15	Fisher exact test	0.15
				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
1292	A	G	RNR1	Chi2 test	0.37	Chi2 test	0.86	Fisher exact test	0.13	Fisher exact test	0.15
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.71	
1293	C	T	RNR1	Chi2 test	0.25	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
1295	A	G	RNR1	Chi2 test	0.17	Chi2 test	0.38	Fisher exact test	0.05	Fisher exact test	0.13
				adj p value=0.037		adj p value=1				adj p value=0.51	

								adj p value=0.00036			
1303	G	A	RNR1	Chi2 test	0.16	Chi2 test	0.29	Fisher exact test	0.07	Fisher exact test	0.24
				adj p value=0.031		adj p value=1		adj p value=0.0013		adj p value=0.99	
1310	C	T	RNR1	Chi2 test	0.23	Chi2 test	0.5	Fisher exact test	0.06	Fisher exact test	0.11
				adj p value=0.22		adj p value=1		adj p value=0.0033		adj p value=0.51	
1311	C	CTA	RNR1	Chi2 test	0.2	Chi2 test	0.5	Fisher exact test	0	Fisher exact test	0
				adj p value=0.34		adj p value=1		adj p value=0.021		adj p value=0.73	
1311	C	A	RNR1	Fisher exact test	0.21	Fisher exact test	0.24	Fisher exact test	0.22	Fisher exact test	0.9
				adj p value=0.58		adj p value=1		adj p value=1		adj p value=1	
1312	C	T	RNR1	Chi2 test	0.31	Chi2 test	0.62	Fisher exact test	0.09	Fisher exact test	0.15
				adj p value=0.85		adj p value=1		adj p value=0.092		adj p value=0.99	
1314	CGT	C	RNR1	Chi2 test	0.2	Chi2 test	0.5	Fisher exact test	0	Fisher exact test	0
				adj p value=0.34		adj p value=1		adj p value=0.021		adj p value=0.73	
1315	G	A	RNR1	Chi2 test	0.13	Chi2 test	0.22	Fisher exact test	0.06	Fisher exact test	0.28
				adj p value=0.0096		adj p value=1		adj p value=0.00053		adj p value=0.99	
1320	G	A	RNR1	Chi2 test	0.1	Chi2 test	0.23	Fisher exact test	0.03	Fisher exact test	0.13
				adj p value=0.0023		adj p value=1		adj p value=6.8e-06		adj p value=0.51	

1323	G	T	RNR1	Chi2 test	0.15	Chi2 test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.076		adj p value=1		adj p value=0.0026		adj p value=0.51	
1362	GC	G	RNR1	Fisher exact test	0.16	Fisher exact test	0.4	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.021		adj p value=0.99	
1364	T	A	RNR1	Fisher exact test	0.13	Fisher exact test	0.32	Fisher exact test	0	Fisher exact test	0
				adj p value=0.062		adj p value=1		adj p value=0.0064		adj p value=0.99	
1367	A	G	RNR1	Fisher exact test	0.11	Fisher exact test	0.27	Fisher exact test	0	Fisher exact test	0
				adj p value=0.065		adj p value=1		adj p value=0.012		adj p value=0.99	
1375	C	CA	RNR1	Chi2 test	0.19	Chi2 test	0.49	Fisher exact test	0	Fisher exact test	0
				adj p value=0.23		adj p value=1		adj p value=0.0064		adj p value=0.51	
1376	CC	TT	RNR1	Chi2 test	0.28	Chi2 test	0.62	Fisher exact test	0.04	Fisher exact test	0.07
				adj p value=0.6		adj p value=1		adj p value=0.025		adj p value=0.52	
1376	C	T	RNR1	Chi2 test	0.33	Chi2 test	0.83	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.73	
1384	ACT	A	RNR1	Fisher exact test	0.11	Fisher exact test	0.25	Fisher exact test	0	Fisher exact test	0
				adj p value=0.084		adj p value=1		adj p value=0.042		adj p value=0.99	
1387	A	ATGT CG	RNR1	Fisher exact test	0.11	Fisher exact test	0.27	Fisher exact test	0	Fisher exact test	0
				adj p value=0.065		adj p value=1		adj p value=0.012		adj p value=0.99	
1388	C	T	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
1391	T	C	RNR1	Chi2 test	0.15	Chi2 test	0.41	Fisher exact test	0	Fisher exact test	0
				adj p value=0.037		adj p value=1		adj p value=0.00024		adj p value=0.21	
1393	GC	G	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
1393	G	A	RNR1	Chi2 test	0.12	Chi2 test	0.34	Fisher exact test	0.01	Fisher exact test	0.03
				adj p value=0.0063		adj p value=1		adj p value=6.4e-07		adj p value=0.016	
1396	C	G	RNR1	Chi2 test	0.14	Chi2 test	0.38	Fisher exact test	0	Fisher exact test	0
				adj p value=0.037		adj p value=1		adj p value=0.00053		adj p value=0.35	
1398	T	G	RNR1	Chi2 test	0.33	Fisher exact test	0.67	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.99	
1405	CT	TC	RNR1	Chi2 test	0.66	Chi2 test	0.83	Chi2 test	0.62	Chi2 test	0.75
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
1405	C	T	RNR1	Chi2 test	0.46	Chi2 test	0.69	Fisher exact test	0.29	Fisher exact test	0.42
				adj p value=1		adj p value=1		adj p value=0.81		adj p value=0.99	
1412	G	GC	RNR1	Chi2 test	0.4	Chi2 test	0.64	Chi2 test	0.32	Chi2 test	0.5
				adj p value=1		adj p value=1		adj p value=0.74		adj p value=1	

Pos	Ref	Alt	Gene	Test 1	Val 1	Test 2	Val 2	Test 3	Val 3	Test 4	Val 4
1413	TCG	T	RNR1	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1414	CG	C	RNR1	Chi2 test adj p value=1	0.53	Chi2 test adj p value=1	0.91	Chi2 test adj p value=1	0.4	Chi2 test adj p value=1	0.44
1420	T	A	RNR1	Chi2 test adj p value=0.83	0.34	Chi2 test adj p value=1	0.57	Chi2 test adj p value=0.4	0.25	Chi2 test adj p value=1	0.44
1431	G	A	RNR1	Chi2 test adj p value=1	0.39	Chi2 test adj p value=1	0.57	Chi2 test adj p value=0.86	0.32	Chi2 test adj p value=1	0.56
1436	C	T	RNR1	Chi2 test adj p value=1	0.39	Chi2 test adj p value=1	0.57	Chi2 test adj p value=0.86	0.32	Chi2 test adj p value=1	0.56
1437	T	C	RNR1	Chi2 test adj p value=1	0.29	Chi2 test adj p value=1	0.72	Fisher exact test adj p value=0.12	0	Fisher exact test adj p value=0.73	0
1438	A	G	RNR1	Fisher exact test adj p value=1	1.15	Fisher exact test adj p value=1	0.49	Fisher exact test adj p value=1		Fisher exact test adj p value=0.99	
1443	T	C	RNR1	Chi2 test adj p value=0.59	0.32	Chi2 test adj p value=1	0.53	Chi2 test adj p value=0.3	0.22	Chi2 test adj p value=1	0.42
1450	C	T	RNR1	Chi2 test adj p value=1	0.48	Chi2 test adj p value=1	0.75	Chi2 test adj p value=1	0.35	Chi2 test adj p value=1	0.47
1453	A	G	RNR1	Fisher exact test	0.11	Fisher exact test	0.27	Fisher exact test	0	Fisher exact test	0

				adj p value=0.065		adj p value=1		adj p value=0.012		adj p value=0.99	
1454	G	A	RNR1	Chi2 test	0.41	Chi2 test	0.65	Chi2 test	0.29	Chi2 test	0.44
				adj p value=1		adj p value=1		adj p value=0.84		adj p value=1	
1460	C	T	RNR1	Chi2 test	0.43	Chi2 test	0.73	Chi2 test	0.3	Chi2 test	0.42
				adj p value=1		adj p value=1		adj p value=0.75		adj p value=1	
1462	G	A	RNR1	Chi2 test	0.59	Chi2 test	0.99	Chi2 test	0.41	Chi2 test	0.42
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
1466	CC	TA	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1467	C	A	RNR1	Chi2 test	0.48	Chi2 test	0.65	Chi2 test	0.41	Chi2 test	0.64
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
1469	G	A	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1474	G	A	RNR1	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
1476	GT	AC	RNR1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
1477	T	C	RNR1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

Pos	Ref	Alt	Gene	Test	Value	Test	Value	Test	Value	Test	Value
1485	G	A	RNR1	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1556	C	T	RNR1	Chi2 test adj p value=0.23	0.19	Chi2 test adj p value=1	0.36	Fisher exact test adj p value=0.025	0.04	Fisher exact test adj p value=0.99	0.12
1597	C	T	RNR1	Fisher exact test adj p value=0.12	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=0.46	0	Fisher exact test adj p value=1	
1604	GA	AG	TRNV	Fisher exact test adj p value=0.19	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=0.71	0	Fisher exact test adj p value=1	
1626	C	T	TRNV	Fisher exact test adj p value=0.49	0.08	Fisher exact test adj p value=1	0.19	Fisher exact test adj p value=0.71	0	Fisher exact test adj p value=0.99	0
1628	CAA	TGT	TRNV	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1637	CTTAG G	C	TRNV	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1642	G	A	TRNV	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1651	A	C	TRNV	Fisher exact test adj p value=0.35	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
1653	T	A	TRNV	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0

				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
1654	T	C	TRNV	Chi2 test	0.35	Chi2 test	0.68	Fisher exact test	0.07	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
1657	C	T	TRNV	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
1664	G	A	TRNV	Chi2 test	0.29	Chi2 test	0.72	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.73	
1666	TC	CT	TRNV	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
1673	T	C	RNR2	Chi2 test	0.35	Chi2 test	0.68	Fisher exact test	0.07	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
1693	C	T	RNR2	Fisher exact test	0.18	Fisher exact test	0.21	Fisher exact test	0.09	Fisher exact test	0.44
				adj p value=0.39		adj p value=1		adj p value=0.35		adj p value=1	
1808	AT	GC	RNR2	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
1824	T	C	RNR2	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0.1	Fisher exact test	0.28
				adj p value=0.58		adj p value=1		adj p value=0.53		adj p value=0.99	
1874	A	T	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	

1882	AG	TA	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
1883	G	A	RNR2	Chi2 test	0.31	Chi2 test	0.5	Fisher exact test	0.13	Fisher exact test	0.26
				adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.99	
1888	G	A	RNR2	Chi2 test	0.41	Chi2 test	0.83	Fisher exact test	0.14	Fisher exact test	0.17
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.99	
1896	T	C	RNR2	Fisher exact test	0.18	Fisher exact test	0.21	Fisher exact test	0.09	Fisher exact test	0.44
				adj p value=0.39		adj p value=1		adj p value=0.35		adj p value=1	
1900	A	G	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.07	Fisher exact test	0.44
				adj p value=0.16		adj p value=1		adj p value=0.16		adj p value=1	
1905	CG	TA	RNR2	Fisher exact test	0.05	Fisher exact test	0.11	Fisher exact test	0	Fisher exact test	0
				adj p value=0.1		adj p value=1		adj p value=0.19		adj p value=0.99	
1924	T	C	RNR2	Chi2 test	0.25	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
1934	T	G	RNR2	Fisher exact test	0.09	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0
				adj p value=0.12		adj p value=1		adj p value=0.12		adj p value=0.99	
1949	G	A	RNR2	Fisher exact test	0.14	Fisher exact test	0.13	Fisher exact test	0.06	Fisher exact test	0.44
				adj p value=0.1		adj p value=1		adj p value=0.093		adj p value=1	
1959	C	T	RNR2	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0.1	Fisher exact test	

Position	Ref	Alt	Gene	Test	p	Test	p	Test	p	Test	p
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
1971	A	G	RNR2	Fisher exact test	0.12	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=1	
1975	T	A	RNR2	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
1977	T	C	RNR2	Chi2 test	0.35	Chi2 test	0.58	Fisher exact test	0.1	Fisher exact test	0.18
				adj p value=1		adj p value=1		adj p value=0.15		adj p value=0.99	
1979	TAGGT A	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
1986	A	T	RNR2	Fisher exact test	0.21	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
1987	G	GCA	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
1989	C	CAGT	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
1989	C	T	RNR2	Chi2 test	0.21	Fisher exact test	0.2	Fisher exact test	0.12	Fisher exact test	0.58
				adj p value=0.34		adj p value=1		adj p value=0.22		adj p value=1	
1992	C	T	RNR2	Fisher exact test	0.1	Fisher exact test	0.11	Fisher exact test	0	Fisher exact test	0
				adj p value=0.19		adj p value=1		adj p value=0.19		adj p value=0.99	

1994	AA	CG	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
1995	A	G	RNR2	Chi2 test	0.24	Fisher exact test	0.27	Fisher exact test	0.12	Fisher exact test	0.42
				adj p value=0.53		adj p value=1		adj p value=0.22		adj p value=0.99	
1999	A	C	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2001	C	T	RNR2	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
2002	G	A	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
2008	G	A	RNR2	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
2016	CT	C	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2030	T	C	RNR2	Chi2 test	0.45	Chi2 test	0.97	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.28		adj p value=0.73	
2053	T	C	RNR2	Fisher exact test	0.17	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
2056	G	A	RNR2	Chi2 test	0.31	Chi2 test	0.72	Fisher exact test	0.09	Fisher exact test	0.13

					adj p value=0.85		adj p value=1		adj p value=0.092		adj p value=0.73
2059	C	T	RNR2	Chi2 test	0.44	Chi2 test	1	Fisher exact test	0.13	Fisher exact test	0.13
				adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.73	
2065	ACCC	A	RNR2	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
2071	T	C	RNR2	Fisher exact test	0.23	Fisher exact test	0.45	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=0.62		adj p value=1		adj p value=0.35		adj p value=0.99	
2080	T	C	RNR2	Chi2 test	0.2	Fisher exact test	0.4	Fisher exact test	0.06	Fisher exact test	0.16
				adj p value=0.34		adj p value=1		adj p value=0.16		adj p value=0.99	
2162	C	T	RNR2	Chi2 test	0.45	Chi2 test	0.77	Fisher exact test	0.25	Fisher exact test	0.33
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.99	
2168	T	C	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
2218	C	CTGT	RNR2	Fisher exact test	0.26	Fisher exact test	0.39	Fisher exact test	0.17	Fisher exact test	0.44
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2220	AC	A	RNR2	Chi2 test	0.28	Chi2 test	0.65	Fisher exact test	0.06	Fisher exact test	0.09
				adj p value=0.74		adj p value=1		adj p value=0.093		adj p value=0.79	
2222	TA	T	RNR2	Chi2 test	0.3	Chi2 test	0.77	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.082		adj p value=0.51	

2222	TAC	T	RNR2	Fisher exact test	0.17	Fisher exact test	0.19	Fisher exact test	0.17	Fisher exact test	0.91
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2224	C	CGT	RNR2	Chi2 test	0.3	Chi2 test	0.77	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.082		adj p value=0.51	
2242	T	C	RNR2	Chi2 test	0.35	Fisher exact test	0.51	Fisher exact test	0.16	Fisher exact test	0.32
				adj p value=1		adj p value=1		adj p value=0.72		adj p value=0.99	
2244	T	C	RNR2	Chi2 test	0.3	Chi2 test	0.77	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.082		adj p value=0.51	
2251	A	G	RNR2	Chi2 test	0.25	Chi2 test	0.64	Fisher exact test	0	Fisher exact test	0
				adj p value=0.85		adj p value=1		adj p value=0.082		adj p value=0.73	
2257	C	T	RNR2	Chi2 test	0.25	Chi2 test	0.64	Fisher exact test	0	Fisher exact test	0
				adj p value=0.85		adj p value=1		adj p value=0.082		adj p value=0.73	
2257	CA	TG	RNR2	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
2262	C	T	RNR2	Fisher exact test	0.27	Fisher exact test	0.67	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.19		adj p value=0.99	
2280	C	T	RNR2	Chi2 test	0.22	Chi2 test	0.58	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.0064		adj p value=0.35	
2284	C	T	RNR2	Chi2 test	0.39	Chi2 test	1.05	Fisher exact test	0	Fisher exact test	0

				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.35	
2294	A	G	RNR2	Fisher exact test	0.08	Fisher exact test	0	Fisher exact test	0.17	Fisher exact test	
				adj p value=0.49		adj p value=1		adj p value=1		adj p value=1	
2343	G	A	RNR2	Chi2 test	0.83	Chi2 test	2.57	Fisher exact test	0.07	Fisher exact test	0.03
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.0068	
2345	G	A	RNR2	Chi2 test	0.83	Chi2 test	2.57	Fisher exact test	0.07	Fisher exact test	0.03
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.0068	
2351	TT	CC	RNR2	Chi2 test	0.83	Chi2 test	2.57	Fisher exact test	0.07	Fisher exact test	0.03
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.0068	
2357	C	T	RNR2	Chi2 test	0.73	Chi2 test	2.29	Fisher exact test	0.06	Fisher exact test	0.03
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.0068	
2359	C	T	RNR2	Chi2 test	0.8	Chi2 test	2.23	Fisher exact test	0.08	Fisher exact test	0.04
				adj p value=1		adj p value=1		adj p value=0.24		adj p value=0.038	
2361	G	A	RNR2	Chi2 test	0.99	Chi2 test	2.9	Fisher exact test	0.09	Fisher exact test	0.03
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.016	

2404	T	C	RNR2	Chi2 test	1.27	Chi2 test	2.29	Chi2 test	0.64	Chi2 test	0.28	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
2423	C	T	RNR2	Chi2 test	1.27	Chi2 test	2.29	Chi2 test	0.54	Chi2 test	0.24	
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.96		
2442	T	C	RNR2	Chi2 test	0.91	Chi2 test	1.44	Chi2 test	0.54	Chi2 test	0.38	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
2445	T	C	RNR2	Chi2 test	1.06	Chi2 test	1.56	Chi2 test	0.57	Chi2 test	0.37	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
2523	C	T	RNR2	Fisher exact test	1.31	Fisher exact test	2.42	Fisher exact test	1.29	Fisher exact test	0.53	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
2525	C	T	RNR2	Chi2 test	2.54	Fisher exact test	2.24	Fisher exact test	5.34	Fisher exact test	2.38	
				adj p value=1		adj p value=1		adj p value=0.75		adj p value=0.99		
2541	CG	C	RNR2	Chi2 test	0.62	Chi2 test	0.92	Chi2 test	0.42	Chi2 test	0.46	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
2541	C	T	RNR2	Chi2 test	0.24	Chi2 test	0.5	Chi2 test	0.11	Chi2 test	0.22	
				adj p value=0.23		adj p value=1		adj p value=0.019		adj p value=0.9		
2541	CGC	TAT	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test		
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1		
2546	G	GTC	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0	

				Test 1		Test 2		Test 3		Test 4	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2550	A	G	RNR2	Fisher exact test	2.32	Fisher exact test	4.26	Fisher exact test	2.28	Fisher exact test	0.53
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2557	C	T	RNR2	Fisher exact test	0.86	Fisher exact test		Fisher exact test	0.41	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
2560	G	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.062		adj p value=1		adj p value=0.28		adj p value=1	
2563	T	C	RNR2	Chi2 test	0.16	Chi2 test	0.45	Chi2 test	0.06	Chi2 test	0.13
				adj p value=0.055		adj p value=1		adj p value=5e-04		adj p value=0.19	
2566	C	T	RNR2	Chi2 test	0.39	Chi2 test	0.64	Fisher exact test	0.25	Fisher exact test	0.4
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.99	
2567	G	A	RNR2	Chi2 test	0.25	Chi2 test	0.66	Fisher exact test	0.06	Fisher exact test	0.08
				adj p value=0.28		adj p value=1		adj p value=0.0033		adj p value=0.25	
2569	CC	TG	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2570	C	T	RNR2	Chi2 test	0.25	Chi2 test	0.35	Fisher exact test	0.17	Fisher exact test	0.49
				adj p value=0.28		adj p value=1		adj p value=0.18		adj p value=0.99	
2571	G	A	RNR2	Chi2 test	0.31	Chi2 test	0.78	Fisher exact test	0.08	Fisher exact test	0.1
				adj p value=0.65		adj p value=1		adj p value=0.025		adj p value=0.39	

2572	C	T	RNR2	Chi2 test	0.16	Chi2 test	0.42	Fisher exact test	0	Fisher exact test	0
				adj p value=0.076		adj p value=1		adj p value=0.0012		adj p value=0.35	
2573	G	A	RNR2	Chi2 test	0.49	Chi2 test	1.1	Fisher exact test	0.14	Fisher exact test	0.13
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.51	
2573	G	C	RNR2	Fisher exact test	0.26	Fisher exact test	0.19	Fisher exact test	0.17	Fisher exact test	0.91
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2577	C	T	RNR2	Chi2 test	0.15	Chi2 test	0.39	Fisher exact test	0.05	Fisher exact test	0.12
				adj p value=0.037		adj p value=1		adj p value=6.6e-05		adj p value=0.15	
2581	A	G	RNR2	Chi2 test	0.19	Chi2 test	0.6	Chi2 test	0.06	Chi2 test	0.1
				adj p value=0.15		adj p value=1		adj p value=5e-04		adj p value=0.048	
2588	CA	C	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2589	A	G	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.062		adj p value=1		adj p value=0.28		adj p value=1	
2590	A	C	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2612	CT	TC	RNR2	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
2613	T	C	RNR2	Chi2 test	0.18	Chi2 test	0.31	Fisher exact test	0.09	Fisher exact test	0.28

				adj p value=0.057		adj p value=1		adj p value=0.0066		adj p value=0.99	
2617	A	G	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2625	C	T	RNR2	Fisher exact test	0.15	Fisher exact test		Fisher exact test	0.06	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.16		adj p value=0.27	
2628	T	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2636	GCT	G	RNR2	Chi2 test	0.44	Chi2 test	0.82	Fisher exact test	0.15	Fisher exact test	0.18
				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
2637	C	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.12		adj p value=1		adj p value=0.46		adj p value=1	
2638	TC	CA	RNR2	Fisher exact test	0.14	Fisher exact test	0.25	Fisher exact test	0.07	Fisher exact test	0.28
				adj p value=0.16		adj p value=1		adj p value=0.16		adj p value=0.99	
2639	C	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.12		adj p value=1		adj p value=0.46		adj p value=1	
2642	C	T	RNR2	Fisher exact test	0.06	Fisher exact test	0.14	Fisher exact test	0	Fisher exact test	0
				adj p value=0.02		adj p value=1		adj p value=0.021		adj p value=0.99	
2643	G	A	RNR2	Chi2 test	0.29	Chi2 test	0.72	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.73	

2643	G	C	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2645	G	A	RNR2	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
2647	G	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
2655	GTC	G	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
2666	TT	CC	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2667	T	C	RNR2	Fisher exact test	0.04	Fisher exact test	0.76	Fisher exact test	0.01	Fisher exact test	0.01
				adj p value=0.021		adj p value=1		adj p value=1.1e-06		adj p value=0.00011	
2670	C	T	RNR2	Chi2 test	0.21	Chi2 test	0.45	Fisher exact test	0.06	Fisher exact test	0.12
				adj p value=0.34		adj p value=1		adj p value=0.093		adj p value=0.99	
2679	T	C	RNR2	Chi2 test	0.31	Chi2 test	0.61	Fisher exact test	0.06	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
2683	C	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

2686	G	A	RNR2	Chi2 test	0.63	Chi2 test	1.69	Fisher exact test	0.08	Fisher exact test	0.05
				adj p value=1		adj p value=1		adj p value=0.05		adj p value=0.016	
2686	GC	AT	RNR2	Fisher exact test	0.18	Fisher exact test	0.35	Fisher exact test	0.07	Fisher exact test	0.2
				adj p value=0.22		adj p value=1		adj p value=0.16		adj p value=0.99	
2690	G	A	RNR2	Fisher exact test	0.27	Fisher exact test	0.67	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.19		adj p value=0.99	
2697	GG	AA	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2701	GGC	G	RNR2	Fisher exact test	0.21	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.49		adj p value=1		adj p value=0.24		adj p value=0.99	
2702	GC	AT	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2705	T	TG	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2706	A	G	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test		Fisher exact test	
				adj p value=0.97		adj p value=1		adj p value=1		adj p value=0.99	
2708	C	T	RNR2	Chi2 test	0.49	Chi2 test	0.83	Fisher exact test	0.26	Fisher exact test	0.31
				adj p value=1		adj p value=1		adj p value=0.62		adj p value=0.99	
2709	AC	A	RNR2	Fisher exact test	0.16	Fisher exact test	0.31	Fisher exact test	0.06	Fisher exact test	0.2

				adj p value=0.16		adj p value=1		adj p value=0.16		adj p value=0.99	
2710	C	T	RNR2	Chi2 test	0.5	Chi2 test	2.29	Fisher exact test	0.04	Fisher exact test	0.02
				adj p value=1		adj p value=1		adj p value=0.00068		adj p value=5.6e-05	
2712	GC	AT	RNR2	Fisher exact test	0.23	Fisher exact test	0.45	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=0.62		adj p value=1		adj p value=0.35		adj p value=0.99	
2714	A	AA-TAAG	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2717	ACG	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
2718	C	T	RNR2	Fisher exact test	0.25	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
2744	T	C	RNR2	Chi2 test	0.25	Fisher exact test	0.39	Fisher exact test	0.16	Fisher exact test	0.42
				adj p value=0.85		adj p value=1		adj p value=0.72		adj p value=0.99	
2778	T	C	RNR2	Chi2 test	0.31	Fisher exact test	0.35	Fisher exact test	0.15	Fisher exact test	0.42
				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
2864	TC	AT	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2868	C	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

Position	Ref	Alt	Gene	Test	Value	Test	Value	Test	Value	Test	Value
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
2877	C	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2881	C	T	RNR2	Fisher exact test	0.25	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
2884	CTA	C	RNR2	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
2887	T	C	RNR2	Fisher exact test	0.14	Fisher exact test	0.32	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.12		adj p value=0.99	
2889	C	CGT	RNR2	Fisher exact test	0.25	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
2891	C	T	RNR2	Fisher exact test	0.25	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
2898	T	C	RNR2	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
2911	C	T	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
2915	C	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	

2920	C	T	RNR2	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
2933	G	T	RNR2	Fisher exact test adj p value=0.16	0.06	Fisher exact test adj p value=1	0.13	Fisher exact test adj p value=0.28	0	Fisher exact test adj p value=0.99	0
2942	CG	TA	RNR2	Fisher exact test adj p value=0.16	0.06	Fisher exact test adj p value=1	0.13	Fisher exact test adj p value=0.28	0	Fisher exact test adj p value=0.99	0
2953	T	A	RNR2	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
2958	A	G	RNR2	Fisher exact test adj p value=0.1	0.05	Fisher exact test adj p value=1	0.11	Fisher exact test adj p value=0.19	0	Fisher exact test adj p value=0.99	0
2964	T	C	RNR2	Fisher exact test adj p value=0.1	0.05	Fisher exact test adj p value=1	0.11	Fisher exact test adj p value=0.19	0	Fisher exact test adj p value=0.99	0
2968	A	G	RNR2	Fisher exact test adj p value=0.02	0.1	Fisher exact test adj p value=1	0.26	Fisher exact test adj p value=0.0026	0	Fisher exact test adj p value=0.99	0
2972	A	G	RNR2	Fisher exact test adj p value=0.1	0.05	Fisher exact test adj p value=1	0.11	Fisher exact test adj p value=0.19	0	Fisher exact test adj p value=0.99	0
2976	G	A	RNR2	Fisher exact test adj p value=0.72	0.1	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0.21	Fisher exact test adj p value=1	
2976	GG	CA	RNR2	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0

				Test	p	Test	p	Test	p	Test	p
				adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99	
2980	T	A	RNR2	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99	
2983	G	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
2983	G	A	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
2985	C	T	RNR2	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
3009	CG	TA	RNR2	Chi2 test	0.15	Chi2 test	0.29	Fisher exact test	0.06	Fisher exact test	0.21
				adj p value=0.037		adj p value=1		adj p value=0.0066		adj p value=0.99	
3016	G	GT	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
3017	C	T	RNR2	Chi2 test	0.18	Chi2 test	0.32	Fisher exact test	0.08	Fisher exact test	0.26
				adj p value=0.14		adj p value=1		adj p value=0.05		adj p value=0.99	
3018	AG	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
3029	AA	GG	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

3030	A	G	RNR2	Fisher exact test	0.16	Fisher exact test	0.4	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.021		adj p value=0.99	
3035	C	T	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
3036	G	A	RNR2	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
3046	C	T	RNR2	Chi2 test	0.19	Chi2 test	0.36	Fisher exact test	0.09	Fisher exact test	0.26
				adj p value=0.23		adj p value=1		adj p value=0.092		adj p value=0.99	
3047	G	A	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3060	C	T	RNR2	Fisher exact test	0.14	Fisher exact test	0.21	Fisher exact test	0.09	Fisher exact test	0.44
				adj p value=0.28		adj p value=1		adj p value=0.35		adj p value=1	
3068	G	C	RNR2	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
3079	G	A	RNR2	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
3093	C	T	RNR2	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
3104	TAC	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				Test	p	Test	p	Test	p	Test	p
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3170	C	T	RNR2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3176	A	G	RNR2	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
3250	T	C	TRNL1	Chi2 test	0.25	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
3253	T	C	TRNL1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3254	C	T	TRNL1	Fisher exact test	0.21	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.49		adj p value=1		adj p value=0.24		adj p value=0.99	
3263	C	T	TRNL1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
3275	C	T	TRNL1	Fisher exact test	0.12	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
				adj p value=0.33		adj p value=1		adj p value=0.75		adj p value=1	
3277	G	A	TRNL1	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
3290	TT	CC	TRNL1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	

3342	C	T	ND1	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
3345	T	C	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
3565	A	C	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
3579	A	C	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3687	C	T	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
3703	C	T	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
3954	C	T	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
4113	G	A	ND1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
4498	AC	A	ND2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
4655	G	A	ND2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				Group 1		Group 2		Group 3		Group 4	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
4847	C	T	ND2	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	
4859	T	C	ND2	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	
5262	G	A	ND2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
5474	A	G	ND2	Fisher exact test	0.16	Fisher exact test	0.37	Fisher exact test	0	Fisher exact test	0
				adj p value=0.45		adj p value=1		adj p value=0.19		adj p value=0.99	
5648	A	G	TRNA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
5667	G	T	TRNN	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
5681	C	T	TRNN	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
5734	T	C	NA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
5754	GC	G	NA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

5755	CG	C	NA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
5768	G	A	TRNC	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
5774	T	A	TRNC	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
5781	C	G	TRNC	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
5790	C	T	TRNC	Fisher exact test	0.27	Fisher exact test	0.51	Fisher exact test	0.1	Fisher exact test	0.2
				adj p value=0.74		adj p value=1		adj p value=0.53		adj p value=0.99	
5806	T	C	TRNC	Fisher exact test	0.1	Fisher exact test	0.11	Fisher exact test	0.1	Fisher exact test	0.91
				adj p value=0.19		adj p value=1		adj p value=0.53		adj p value=1	
5810	A	AG	TRNC	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
5821	G	A	TRNC	Chi2 test	0.35	Chi2 test	0.77	Fisher exact test	0.12	Fisher exact test	0.15
				adj p value=1		adj p value=1		adj p value=0.22		adj p value=0.99	
5840	C	T	TRNY	Chi2 test	0.39	Chi2 test	1.09	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.082		adj p value=0.21	
5840	C	CT	TRNY	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0

				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
5842	A	G	TRNY	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
5846	C	T	TRNY	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
6176	TA	CG	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
6182	G	A	COX1	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.15		adj p value=1		adj p value=0.082		adj p value=0.99	
6185	T	C	COX1	Fisher exact test	0.05	Fisher exact test	0.06	Fisher exact test	0.06	Fisher exact test	0.91
				adj p value=0.012		adj p value=1		adj p value=0.093		adj p value=1	
6197	C	T	COX1	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
6216	T	C	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6224	C	T	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6226	CT	C	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	

6229	TCC	T	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
6233	A	C	COX1	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
6236	C	T	COX1	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99	
6242	C	T	COX1	Chi2 test	0.31	Fisher exact test	0.4	Fisher exact test	0.2	Fisher exact test	0.5
				adj p value=1		adj p value=1		adj p value=0.66		adj p value=0.99	
6251	T	C	COX1	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99	
6266	A	C	COX1	Chi2 test	0.45	Chi2 test	0.88	Fisher exact test	0.09	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
6266	A	T	COX1	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
6269	A	C	COX1	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
6326	C	T	COX1	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0.27	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6335	C	T	COX1	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0.27	Fisher exact test	

				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6353	A	G	COX1	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0.27	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6356	C	T	COX1	Fisher exact test	0.17	Fisher exact test	0.19	Fisher exact test	0.17	Fisher exact test	0.91
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6452	C	T	COX1	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99	
6488	T	C	COX1	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
6494	A	C	COX1	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0.1	Fisher exact test	0.44
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
6497	T	C	COX1	Chi2 test	0.17	Fisher exact test	0.22	Fisher exact test	0.09	Fisher exact test	0.42
				adj p value=0.14		adj p value=1		adj p value=0.092		adj p value=0.99	
6500	C	T	COX1	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
6503	A	C	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6509	A	G	COX1	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	

6521	C	T	COX1	Chi2 test	0.2	Fisher exact test	0.22	Fisher exact test	0.13	Fisher exact test	0.58
				adj p value=0.34		adj p value=1		adj p value=0.32		adj p value=1	
6524	T	C	COX1	Fisher exact test	0.21	Fisher exact test	0.11	Fisher exact test	0.22	Fisher exact test	1.87
				adj p value=0.58		adj p value=1		adj p value=1		adj p value=1	
6528	C	T	COX1	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0.1	Fisher exact test	0.44
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
6530	A	C	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
6531	C	T	COX1	Chi2 test	0.18	Fisher exact test	0.2	Fisher exact test	0.12	Fisher exact test	0.58
				adj p value=0.23		adj p value=1		adj p value=0.22		adj p value=1	
6551	C	T	COX1	Chi2 test	0.2	Fisher exact test	0.22	Fisher exact test	0.13	Fisher exact test	0.58
				adj p value=0.34		adj p value=1		adj p value=0.32		adj p value=1	
6563	C	T	COX1	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
				adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1	
6566	C	T	COX1	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
6571	C	T	COX1	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
6578	A	G	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0

				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
6665	C	T	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
6812	A	C	COX1	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
6815	T	C	COX1	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
6824	C	T	COX1	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
6830	C	T	COX1	Fisher exact test	0.23	Fisher exact test	0.45	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=0.62		adj p value=1		adj p value=0.35		adj p value=0.99	
6836	C	T	COX1	Chi2 test	0.26	Fisher exact test	0.45	Fisher exact test	0.15	Fisher exact test	0.32
				adj p value=0.85		adj p value=1		adj p value=0.5		adj p value=0.99	
6848	C	T	COX1	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
6851	C	T	COX1	Fisher exact test	0.18	Fisher exact test	0.32	Fisher exact test	0.09	Fisher exact test	0.28
				adj p value=0.39		adj p value=1		adj p value=0.35		adj p value=0.99	
6860	A	G	COX1	Fisher exact test	0.12	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
				adj p value=0.33		adj p value=1		adj p value=0.75		adj p value=1	

6863	A	C	COX1	Fisher exact test	0.12	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
				adj p value=0.33		adj p value=1		adj p value=0.75		adj p value=1	
6873	C	T	COX1	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
6875	C	A	COX1	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
6878	C	T	COX1	Chi2 test	0.25	Chi2 test	0.68	Fisher exact test	0.04	Fisher exact test	0.05
				adj p value=0.34		adj p value=1		adj p value=0.0066		adj p value=0.25	
6881	A	C	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
6884	C	G	COX1	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99	
6886	A	ACGG	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
6899	G	C	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
6902	A	G	COX1	Chi2 test	0.19	Chi2 test	0.49	Fisher exact test	0	Fisher exact test	0
				adj p value=0.23		adj p value=1		adj p value=0.0064		adj p value=0.51	
6909	G	T	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0

						adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99
6915	G	A	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0	
						adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99
6929	A	G	COX1	Chi2 test	0.44	Chi2 test	0.86	Fisher exact test	0.13	Fisher exact test	0.15	
						adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.99
6932	A	G	COX1	Fisher exact test	0.14	Fisher exact test	0.35	Fisher exact test	0	Fisher exact test	0	
						adj p value=0.16		adj p value=1		adj p value=0.042		adj p value=0.99
6935	C	T	COX1	Fisher exact test	0.21	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2	
						adj p value=0.49		adj p value=1		adj p value=0.24		adj p value=0.99
6938	C	T	COX1	Chi2 test	0.16	Chi2 test	0.44	Fisher exact test	0.03	Fisher exact test	0.06	
						adj p value=0.035		adj p value=1		adj p value=3.6e-05		adj p value=0.075
6944	T	C	COX1	Chi2 test	0.23	Chi2 test	0.53	Fisher exact test	0.03	Fisher exact test	0.06	
						adj p value=0.23		adj p value=1		adj p value=0.0033		adj p value=0.39
6950	C	T	COX1	Chi2 test	0.25	Chi2 test	0.5	Fisher exact test	0.08	Fisher exact test	0.15	
						adj p value=0.34		adj p value=1		adj p value=0.025		adj p value=0.99
6962	G	A	COX1	Chi2 test	0.19	Chi2 test	0.52	Fisher exact test	0.02	Fisher exact test	0.05	
						adj p value=0.076		adj p value=1		adj p value=0.00033		adj p value=0.16
6965	T	C	COX1	Chi2 test	0.28	Chi2 test	0.83	Fisher exact test	0	Fisher exact test	0	

				adj p value=0.6		adj p value=1		adj p value=0.0033		adj p value=0.058	
6975	T	C	COX1	Fisher exact test	0.18	Fisher exact test	0.45	Fisher exact test	0	Fisher exact test	0
				adj p value=0.39		adj p value=1		adj p value=0.12		adj p value=0.99	
6990	C	T	COX1	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
7007	C	T	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
7008	G	T	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.12		adj p value=1		adj p value=0.46		adj p value=1	
7013	G	A	COX1	Chi2 test	0.21	Chi2 test	0.45	Fisher exact test	0.07	Fisher exact test	0.15
				adj p value=0.19		adj p value=1		adj p value=0.013		adj p value=0.99	
7016	C	T	COX1	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
7022	T	C	COX1	Chi2 test	0.24	Chi2 test	0.45	Fisher exact test	0.12	Fisher exact test	0.26
				adj p value=0.53		adj p value=1		adj p value=0.22		adj p value=0.99	
7037	C	T	COX1	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
7040	T	C	COX1	Chi2 test	0.14	Chi2 test	0.26	Fisher exact test	0.07	Fisher exact test	0.26
				adj p value=0.037		adj p value=1		adj p value=0.013		adj p value=0.99	

7064	T	C	COX1	Chi2 test	0.28	Chi2 test	0.4	Fisher exact test	0.22	Fisher exact test	0.55
				adj p value=0.65		adj p value=1		adj p value=0.52		adj p value=1	
7072	T	C	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
7076	A	G	COX1	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
7094	T	C	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
7112	C	T	COX1	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
7133	CA	C	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
7196	C	T	COX1	Chi2 test	0.29	Fisher exact test	0.58	Fisher exact test	0.09	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
7205	C	T	COX1	Chi2 test	0.34	Fisher exact test	0.58	Fisher exact test	0.09	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
7211	G	A	COX1	Chi2 test	0.29	Fisher exact test	0.58	Fisher exact test	0.09	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
7244	C	T	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
7259	CC	TT	COX1	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
7424	A	G	COX1	Fisher exact test	5.15	Fisher exact test	0	Fisher exact test	10.23	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=0.62		adj p value=0.86	
7621	T	C	COX2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
7861	T	C	COX2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
7868	C	T	COX2	Fisher exact test	0.16	Fisher exact test	0.37	Fisher exact test	0	Fisher exact test	0
				adj p value=0.45		adj p value=1		adj p value=0.19		adj p value=0.99	
8011	A	G	COX2	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
8021	A	G	COX2	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
8065	G	A	COX2	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0	Fisher exact test	0
				adj p value=0.58		adj p value=1		adj p value=0.19		adj p value=0.99	
8140	C	T	COX2	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	

8152	G	A	COX2	Chi2 test	0.34	Chi2 test	0.88	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.51	
8167	T	C	COX2	Fisher exact test	0.16	Fisher exact test	0.37	Fisher exact test	0	Fisher exact test	0
				adj p value=0.45		adj p value=1		adj p value=0.19		adj p value=0.99	
8371	C	A	ATP8	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
8374	A	G	ATP8	Fisher exact test	0.25	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
8380	T	C	ATP8	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
8383	T	C	ATP8	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
8386	C	T	ATP8	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
8401	A	C	ATP8	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99	
8405	A	G	ATP8	Fisher exact test	0.09	Fisher exact test	0.46	Fisher exact test	0.02	Fisher exact test	0.03
				adj p value=0.0048		adj p value=1		adj p value=1.4e-07		adj p value=0.00018	

8410	C	A	ATP8	Fisher exact test adj p value=0.54	0.14	Fisher exact test adj p value=1	0.33	Fisher exact test adj p value=0.46	0	Fisher exact test adj p value=0.99	0
8416	C	T	ATP8	Fisher exact test adj p value=0.0048	0.09	Fisher exact test adj p value=1	0.38	Fisher exact test adj p value=4.8e-07	0.02	Fisher exact test adj p value=0.002	0.05
8419	T	C	ATP8	Fisher exact test adj p value=0.33	0.12	Fisher exact test adj p value=1	0.28	Fisher exact test adj p value=0.28	0	Fisher exact test adj p value=0.99	0
8428	C	T	ATP8	Fisher exact test adj p value=0.59	0.18	Fisher exact test adj p value=1	0.28	Fisher exact test adj p value=0.75	0.12	Fisher exact test adj p value=1	0.44
8437	C	T	ATP8	Fisher exact test adj p value=0.025	0.13	Fisher exact test adj p value=1	0.59	Fisher exact test adj p value=5.6e-06	0.03	Chi2 test adj p value=0.0039	0.06
8440	A	G	ATP8	Chi2 test adj p value=0.12	0.18	Chi2 test adj p value=1	0.72	Chi2 test adj p value=0.00017	0.05	Chi2 test adj p value=0.011	0.07
8455	C	T	ATP8	Fisher exact test adj p value=0.14	0.16	Fisher exact test adj p value=1	0.46	Fisher exact test adj p value=0.0069	0.08	Chi2 test adj p value=0.54	0.18
8461	C	T	ATP8	Fisher exact test adj p value=0.16	0.19	Fisher exact test adj p value=1	0.48	Fisher exact test adj p value=0.021	0.11	Chi2 test adj p value=0.75	0.22
8467	C	T	ATP8	Chi2 test	0.24	Chi2 test	0.45	Chi2 test	0.17	Chi2 test	0.38

				adj p value=0.29		adj p value=1		adj p value=0.12		adj p value=1		
8473	T	C	ATP8	Chi2 test	0.41	Chi2 test	0.58	Chi2 test	0.37	Chi2 test	0.64	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
8503	T	C	ATP8	Chi2 test	0.88	Chi2 test	0.98	Chi2 test	0.91	Chi2 test	0.93	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
8508	AC	GT	ATP8	Chi2 test	0.91	Chi2 test	0.92	Chi2 test	0.99	Chi2 test	1.08	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
8527	A	G	ATP8,AT P6	Chi2 test	1.07	Chi2 test	1.33	Chi2 test	0.97	Chi2 test	0.73	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1		
8558	C	G	ATP8,AT P6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test		
				adj p value=0.062		adj p value=1		adj p value=0.28		adj p value=1		
8566	A	G	ATP8,AT P6	Chi2 test	0.26	Chi2 test	0.56	Fisher exact test	0.07	Fisher exact test	0.12	
				adj p value=0.85		adj p value=1		adj p value=0.16		adj p value=0.99		
8568	C	T	ATP8,AT P6	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0	
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99		
8574	C	T	ATP6	Chi2 test	0.57	Chi2 test	1.44	Fisher exact test	0.2	Fisher exact test	0.14	
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.39		
8577	A	G	ATP6	Chi2 test	0.57	Chi2 test	1.44	Fisher exact test	0.2	Fisher exact test	0.14	
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.39		

8611	C	T	ATP6	Fisher exact test adj p value=0.59	0.18	Fisher exact test adj p value=1	0.28	Fisher exact test adj p value=0.75	0.12	Fisher exact test adj p value=1	0.44
8618	T	C	ATP6	Fisher exact test adj p value=0.73		Fisher exact test adj p value=1		Fisher exact test adj p value=0.31		Fisher exact test adj p value=0.99	6.44
8632	T	C	ATP6	Fisher exact test adj p value=0.45	0.16	Fisher exact test adj p value=1	0.24	Fisher exact test adj p value=0.53	0.1	Fisher exact test adj p value=1	0.44
8634	T	C	ATP6	Chi2 test adj p value=1	0.42	Chi2 test adj p value=1	1.72	Fisher exact test adj p value=0.0022	0.06	Fisher exact test adj p value=0.00043	0.04
8655	C	T	ATP6	Chi2 test adj p value=0.75	0.27	Fisher exact test adj p value=1	0.91	Chi2 test adj p value=0.03	0.12	Fisher exact test adj p value=0.23	0.13
8658	C	T	ATP6	Fisher exact test adj p value=0.72	0.1	Fisher exact test adj p value=1	0.23	Fisher exact test adj p value=1	0	Fisher exact test adj p value=0.99	0
8677	A	C	ATP6	Chi2 test adj p value=1	0.46	Chi2 test adj p value=1	1	Chi2 test adj p value=0.29	0.22	Chi2 test adj p value=0.69	0.22
8714	C	T	ATP6	Fisher exact test adj p value=0.74	0.18	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0.38	Fisher exact test adj p value=1	
8721	A	G	ATP6	Chi2 test adj p value=1	0.55	Chi2 test adj p value=1	0.92	Chi2 test adj p value=0.49	0.23	Chi2 test adj p value=1	0.25

8775	C	T	ATP6	Chi2 test	0.23	Chi2 test	0.44	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=0.19		adj p value=1		adj p value=0.0038		adj p value=0.92	
8778	C	T	ATP6	Chi2 test	0.25	Chi2 test	0.42	Fisher exact test	0.11	Fisher exact test	0.27
				adj p value=0.23		adj p value=1		adj p value=0.017		adj p value=0.99	
8784	A	G	ATP6	Chi2 test	0.26	Chi2 test	0.43	Fisher exact test	0.1	Fisher exact test	0.23
				adj p value=0.28		adj p value=1		adj p value=0.0081		adj p value=0.99	
8789	T	TAC-GCCGAG-GCCGCCGCCGCCGCCGCC	ATP6	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
8793	T	G	ATP6	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
8795	A	C	ATP6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
8848	T	C	ATP6	Chi2 test	0.31	Fisher exact test	0.35	Fisher exact test	0.15	Fisher exact test	0.42

				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
8850	A	G	ATP6	Chi2 test	0.26	Fisher exact test	0.35	Fisher exact test	0.07	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.16		adj p value=0.99	
8854	G	A	ATP6	Chi2 test	0.31	Fisher exact test	0.45	Fisher exact test	0.07	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
8856	G	A	ATP6	Chi2 test	0.21	Fisher exact test	0.27	Fisher exact test	0.06	Fisher exact test	0.2
				adj p value=0.34		adj p value=1		adj p value=0.093		adj p value=0.99	
8859	C	T	ATP6	Chi2 test	0.31	Fisher exact test	0.45	Fisher exact test	0.07	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
8860	A	G	ATP6	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
8865	G	A	ATP6	Chi2 test	0.24	Fisher exact test	0.36	Fisher exact test	0.06	Fisher exact test	0.16
				adj p value=0.53		adj p value=1		adj p value=0.093		adj p value=0.99	
8870	T	C	ATP6	Chi2 test	0.24	Fisher exact test	0.36	Fisher exact test	0.06	Fisher exact test	0.16
				adj p value=0.53		adj p value=1		adj p value=0.093		adj p value=0.99	
8875	T	C	ATP6	Chi2 test	0.35	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.24		adj p value=0.99	
8877	T	C	ATP6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

8886	G	A	ATP6	Chi2 test	0.34	Fisher exact test	0.58	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.99	
8888	TT	CC	ATP6	Chi2 test	0.34	Fisher exact test	0.58	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.99	
9261	A	C	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9325	T	C	COX3	Chi2 test	0.39	Chi2 test	1.03	Fisher exact test	0.06	Fisher exact test	0.05
				adj p value=1		adj p value=1		adj p value=0.093		adj p value=0.25	
9329	G	C	COX3	Chi2 test	0.44	Chi2 test	1.12	Fisher exact test	0.07	Fisher exact test	0.06
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.39	
9527	C	T	COX3	Fisher exact test	0.23	Fisher exact test	0.45	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=0.62		adj p value=1		adj p value=0.35		adj p value=0.99	
9530	T	C	COX3	Chi2 test	0.39	Chi2 test	0.93	Fisher exact test	0.08	Fisher exact test	0.09
				adj p value=1		adj p value=1		adj p value=0.24		adj p value=0.79	
9692	AC	GT	COX3	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
9695	G	A	COX3	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
9713	G	A	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9717	C	G	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9719	C	T	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9722	T	C	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9785	C	T	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
9839	C	A	COX3	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
9857	C	T	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
9861	T	C	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.062		adj p value=1		adj p value=0.28		adj p value=1	
9877	T	A	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9880	T	A	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

9893	C	T	COX3	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
9896	A	C	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
9911	CG	TA	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
9924	T	G	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
9929	C	T	COX3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
10308	C	T	ND3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
10310	G	A	ND3	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
10377	C	T	ND3	Chi2 test	0.39	Fisher exact test	0.25	Chi2 test	0.6	Fisher exact test	2.44
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.99	
10380	C	T	ND3	Chi2 test	0.31	Fisher exact test	0.22	Chi2 test	0.46	Fisher exact test	2.08
				adj p value=0.85		adj p value=1		adj p value=1		adj p value=0.99	
10388	A	G	ND3	Chi2 test	0.31	Fisher exact test	0.22	Chi2 test	0.46	Fisher exact test	2.08

				adj p value=0.85		adj p value=1		adj p value=1		adj p value=0.99	
10417	T	C	TRNR	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0.1	Fisher exact test	0.28
				adj p value=0.58		adj p value=1		adj p value=0.53		adj p value=0.99	
10589	G	A	ND4L	Fisher exact test	0.18	Fisher exact test	0.1	Fisher exact test	0.09	Fisher exact test	0.91
				adj p value=0.39		adj p value=1		adj p value=0.35		adj p value=1	
10646	G	A	ND4L	Chi2 test	0.26	Fisher exact test	0.35	Fisher exact test	0.07	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.16		adj p value=0.99	
10652	TG	CA	ND4L	Fisher exact test	0.31	Fisher exact test	0.6	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
10667	T	C	ND4L	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
10670	C	T	ND4L	Chi2 test	0.31	Chi2 test	0.45	Fisher exact test	0.12	Fisher exact test	0.26
				adj p value=0.93		adj p value=1		adj p value=0.22		adj p value=0.99	
10677	G	A	ND4L	Chi2 test	0.27	Fisher exact test	0.4	Fisher exact test	0.13	Fisher exact test	0.32
				adj p value=0.84		adj p value=1		adj p value=0.32		adj p value=0.99	
10679	A	G	ND4L	Chi2 test	0.25	Chi2 test	0.4	Fisher exact test	0.1	Fisher exact test	0.26
				adj p value=0.5		adj p value=1		adj p value=0.15		adj p value=0.99	
10685	G	A	ND4L	Chi2 test	0.28	Chi2 test	0.49	Fisher exact test	0.1	Fisher exact test	0.21
				adj p value=0.65		adj p value=1		adj p value=0.15		adj p value=0.99	

10750	A	G	ND4L	Fisher exact test adj p value=0.54	0.14	Fisher exact test adj p value=1	0.33	Fisher exact test adj p value=0.46	0	Fisher exact test adj p value=0.99	0
10775	G	A	ND4	Fisher exact test adj p value=0.72	0.1	Fisher exact test adj p value=1	0.23	Fisher exact test adj p value=1	0	Fisher exact test adj p value=0.99	0
10786	T	C	ND4	Fisher exact test adj p value=0.12	0.09	Fisher exact test adj p value=1	0.21	Fisher exact test adj p value=0.12	0	Fisher exact test adj p value=0.99	0
10801	G	A	ND4	Fisher exact test adj p value=0.12	0.09	Fisher exact test adj p value=1	0.21	Fisher exact test adj p value=0.12	0	Fisher exact test adj p value=0.99	0
10808	C	T	ND4	Fisher exact test adj p value=0.28	0.14	Fisher exact test adj p value=1	0.32	Fisher exact test adj p value=0.12	0	Fisher exact test adj p value=0.99	0
10810	T	C	ND4	Chi2 test adj p value=0.69	0.32	Chi2 test adj p value=1	0.24	Chi2 test adj p value=1	0.41	Chi2 test adj p value=1	1.74
10816	A	G	ND4	Fisher exact test adj p value=0.59	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
10846	C	T	ND4	Fisher exact test adj p value=0.58	0.21	Fisher exact test adj p value=1	0.24	Fisher exact test adj p value=0.53	0.1	Fisher exact test adj p value=1	0.44
10866	T	C	ND4	Fisher exact test adj p value=0.74	0.27	Fisher exact test adj p value=1	0.37	Fisher exact test adj p value=0.53	0.1	Fisher exact test adj p value=0.99	0.28
10972	A	C	ND4	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0

Position	Ref	Alt	Gene	Group 1		Group 2		Group 3		Group 4	
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
10978	A	C	ND4	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	
11107	C	T	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
11113	T	C	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
11116	T	C	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
11129	A	G	ND4	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0	Fisher exact test	0
				adj p value=0.45		adj p value=1		adj p value=0.19		adj p value=0.99	
11134	A	G	ND4	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
11137	TA	AG	ND4	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
11710	C	T	ND4	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0.1	Fisher exact test	0.28
				adj p value=0.58		adj p value=1		adj p value=0.53		adj p value=0.99	
11719	G	A	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	3.56
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=0.99	

11731	A	C	ND4	Chi2 test	0.29	Fisher exact test	0.58	Fisher exact test	0.09	Fisher exact test	0.16
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
11767	C	T	ND4	Chi2 test	0.29	Fisher exact test	0.45	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.99	
11770	T	C	ND4	Chi2 test	0.17	Fisher exact test	0.22	Fisher exact test	0.04	Fisher exact test	0.2
				adj p value=0.14		adj p value=1		adj p value=0.025		adj p value=0.99	
11788	C	T	ND4	Chi2 test	0.19	Fisher exact test	0.25	Fisher exact test	0.05	Fisher exact test	0.2
				adj p value=0.23		adj p value=1		adj p value=0.053		adj p value=0.99	
11887	G	A	ND4	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
11953	C	T	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
11963	G	A	ND4	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
12064	C	T	ND4	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
12088	C	T	ND4	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.19		adj p value=1		adj p value=0.71		adj p value=1	
12091	T	C	ND4	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0

					adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99
12115	C	T	ND4	Fisher exact test	0.1	Fisher exact test	0.24	Fisher exact test	0	Fisher exact test	0
				adj p value=0.19		adj p value=1		adj p value=0.19		adj p value=0.99	
12136	T	C	ND4	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
12218	C	T	TRNS2	Chi2 test	0.44	Chi2 test	1	Fisher exact test	0.06	Fisher exact test	0.06
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.39	
12341	C	A	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12346	C	T	ND5	Fisher exact test	0.27	Fisher exact test	0.37	Fisher exact test	0.22	Fisher exact test	0.58
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12360	C	A	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12368	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12390	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
12403	C	T	ND5	Fisher exact test	0.18	Fisher exact test	0	Fisher exact test	0.38	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

12684	G	A	ND5	Chi2 test	0.25	Fisher exact test	0.51	Fisher exact test	0.08	Fisher exact test	0.16
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
12687	C	T	ND5	Fisher exact test	0.1	Fisher exact test	0.24	Fisher exact test	0	Fisher exact test	0
				adj p value=0.19		adj p value=1		adj p value=0.19		adj p value=0.99	
12702	C	T	ND5	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
12714	T	C	ND5	Fisher exact test	0.25	Fisher exact test	0.43	Fisher exact test	0.12	Fisher exact test	0.28
				adj p value=0.74		adj p value=1		adj p value=0.75		adj p value=0.99	
12750	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12786	A	G	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
12789	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
12793	T	C	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12802	A	G	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12825	T	C	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
12873	T	C	ND5	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
12879	T	C	ND5	Fisher exact test	0.06	Fisher exact test	0.13	Fisher exact test	0	Fisher exact test	0
				adj p value=0.16		adj p value=1		adj p value=0.28		adj p value=0.99	
12892	T	C	ND5	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
13020	T	C	ND5	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
13034	T	C	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13062	A	G	ND5	Fisher exact test	0.25	Fisher exact test	0.43	Fisher exact test	0.12	Fisher exact test	0.28
				adj p value=0.74		adj p value=1		adj p value=0.75		adj p value=0.99	
13095	T	C	ND5	Fisher exact test	0.18	Fisher exact test	0.43	Fisher exact test	0	Fisher exact test	0
				adj p value=0.59		adj p value=1		adj p value=0.28		adj p value=0.99	
13118	T	A	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13132	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

13145	G	A	ND5	Chi2 test	0.58	Chi2 test	1.67	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.19		adj p value=0.13	
13164	A	C	ND5	Fisher exact test	1.72	Fisher exact test	5.07	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.058	
13191	T	C	ND5	Fisher exact test	0.21	Fisher exact test	0.51	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.46		adj p value=0.99	
13197	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13215	T	C	ND5	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
13226	A	C	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13227	C	T	ND5	Fisher exact test	0.12	Fisher exact test	0.28	Fisher exact test	0	Fisher exact test	0
				adj p value=0.33		adj p value=1		adj p value=0.28		adj p value=0.99	
13242	A	G	ND5	Chi2 test	0.48	Chi2 test	1.16	Fisher exact test	0.13	Fisher exact test	0.11
				adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.51	
13251	C	T	ND5	Chi2 test	0.25	Fisher exact test	0.39	Fisher exact test	0.08	Fisher exact test	0.2
				adj p value=0.85		adj p value=1		adj p value=0.24		adj p value=0.99	
13260	T	C	ND5	Chi2 test	0.33	Chi2 test	0.8	Fisher exact test	0.07	Fisher exact test	0.08

					adj p value=0.84		adj p value=1		adj p value=0.013		adj p value=0.25
13264	C	T	ND5	Chi2 test	0.22	Fisher exact test	0.35	Fisher exact test	0.07	Fisher exact test	0.2
				adj p value=0.58		adj p value=1		adj p value=0.16		adj p value=0.99	
13272	C	T	ND5	Chi2 test	0.48	Chi2 test	1.16	Fisher exact test	0.13	Fisher exact test	0.11
				adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.51	
13275	AA	GG	ND5	Fisher exact test	0.18	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
13281	T	C	ND5	Chi2 test	0.25	Chi2 test	0.55	Fisher exact test	0.06	Fisher exact test	0.11
				adj p value=0.28		adj p value=1		adj p value=0.0066		adj p value=0.51	
13303	C	T	ND5	Fisher exact test	0.31	Fisher exact test	0.78	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.28		adj p value=0.99	
13359	G	A	ND5	Chi2 test	0.36	Chi2 test	0.7	Fisher exact test	0.07	Fisher exact test	0.1
				adj p value=0.95		adj p value=1		adj p value=0.013		adj p value=0.39	
13386	T	C	ND5	Chi2 test	0.45	Chi2 test	0.83	Fisher exact test	0.09	Fisher exact test	0.11
				adj p value=1		adj p value=1		adj p value=0.092		adj p value=0.51	
13466	G	A	ND5	Chi2 test	0.39	Chi2 test	0.82	Fisher exact test	0.15	Fisher exact test	0.18
				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
13474	T	C	ND5	Chi2 test	0.35	Chi2 test	0.61	Fisher exact test	0.13	Fisher exact test	0.21
				adj p value=1		adj p value=1		adj p value=0.32		adj p value=0.99	

13476	A	T	ND5	Chi2 test	0.25	Fisher exact test	0.28	Fisher exact test	0.16	Fisher exact test	0.58
				adj p value=0.85		adj p value=1		adj p value=0.72		adj p value=1	
13476	A	G	ND5	Chi2 test	0.31	Chi2 test	0.68	Fisher exact test	0.07	Fisher exact test	0.1
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.99	
13488	T	C	ND5	Chi2 test	0.15	Chi2 test	0.28	Fisher exact test	0.05	Fisher exact test	0.18
				adj p value=0.034		adj p value=1		adj p value=0.0016		adj p value=0.99	
13517	A	T	ND5	Chi2 test	0.45	Chi2 test	0.72	Fisher exact test	0.19	Fisher exact test	0.26
				adj p value=1		adj p value=1		adj p value=0.75		adj p value=0.99	
13548	A	C	ND5	Chi2 test	0.34	Chi2 test	0.72	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.12		adj p value=0.73	
13581	T	C	ND5	Chi2 test	0.31	Chi2 test	0.83	Fisher exact test	0	Fisher exact test	0
				adj p value=0.85		adj p value=1		adj p value=0.0033		adj p value=0.058	
13584	C	T	ND5	Fisher exact test	0.14	Fisher exact test	0.21	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.12		adj p value=0.99	
13600	T	A	ND5	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0	Fisher exact test	0
				adj p value=0.58		adj p value=1		adj p value=0.19		adj p value=0.99	
13614	A	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13618	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

Position	Ref	Alt	Gene	Test 1	Value 1	Test 2	Value 2	Test 3	Value 3	Test 4	Value 4
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13627	C	T	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
13635	T	C	ND5	Chi2 test	0.29	Fisher exact test	0.45	Fisher exact test	0.09	Fisher exact test	0.2
				adj p value=1		adj p value=1		adj p value=0.35		adj p value=0.99	
13635	T	A	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13636	C	CA	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13650	C	A	ND5	Chi2 test	0.38	Fisher exact test	0.78	Fisher exact test	0	Fisher exact test	0
				adj p value=1		adj p value=1		adj p value=0.28		adj p value=0.99	
13651	A	G	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13674	T	C	ND5	Chi2 test	0.35	Chi2 test	0.86	Fisher exact test	0.06	Fisher exact test	0.07
				adj p value=1		adj p value=1		adj p value=0.16		adj p value=0.52	
13763	C	A	ND5	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
13804	G	A	ND5	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	

Pos	Ref	Alt	Gene	Test 1	p1	Test 2	p2	Test 3	p3	Test 4	p4
13816	A	C	ND5	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
13886	T	C	ND5	Fisher exact test adj p value=0.73		Fisher exact test adj p value=1		Fisher exact test adj p value=0.12		Fisher exact test adj p value=0.56	
13908	C	T	ND5	Fisher exact test adj p value=0.74	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	0	Fisher exact test adj p value=1	
14149	C	T	ND6	Fisher exact test adj p value=0.28	0.07	Fisher exact test adj p value=1	0.16	Fisher exact test adj p value=0.46	0	Fisher exact test adj p value=0.99	0
14170	A	T	ND6	Fisher exact test adj p value=0.74	0.26	Fisher exact test adj p value=1	0.61	Fisher exact test adj p value=0.71	0	Fisher exact test adj p value=0.99	0
14172	T	G	ND6	Fisher exact test adj p value=0.74	0.26	Fisher exact test adj p value=1	0.61	Fisher exact test adj p value=0.71	0	Fisher exact test adj p value=0.99	0
14182	T	C	ND6	Chi2 test adj p value=1	0.29	Fisher exact test adj p value=1	0.58	Fisher exact test adj p value=0.35	0.09	Fisher exact test adj p value=0.99	0.16
14280	A	G	ND6	Chi2 test adj p value=0.23	0.19	Chi2 test adj p value=1	0.4	Fisher exact test adj p value=0.053	0.05	Fisher exact test adj p value=0.99	0.12
14305	G	A	ND6	Chi2 test adj p value=0.57	0.28	Chi2 test adj p value=1	0.75	Fisher exact test adj p value=0.013	0.04	Fisher exact test adj p value=0.25	0.05
14311	T	C	ND6	Chi2 test	0.39	Chi2 test	0.93	Fisher exact test	0.08	Fisher exact test	0.09

					adj p value=1		adj p value=1		adj p value=0.24		adj p value=0.79
14323	G	A	ND6	Chi2 test	0.43	Chi2 test	1.03	Fisher exact test	0.12	Fisher exact test	0.11
				adj p value=1		adj p value=1		adj p value=0.22		adj p value=0.51	
14362	C	T	ND6	Chi2 test	0.47	Chi2 test	1.03	Fisher exact test	0.18	Fisher exact test	0.17
				adj p value=1		adj p value=1		adj p value=0.44		adj p value=0.99	
14364	G	A	ND6	Chi2 test	0.52	Chi2 test	1.19	Fisher exact test	0.18	Fisher exact test	0.15
				adj p value=1		adj p value=1		adj p value=0.44		adj p value=0.71	
14368	C	T	ND6	Chi2 test	0.53	Chi2 test	1.16	Fisher exact test	0.2	Fisher exact test	0.17
				adj p value=1		adj p value=1		adj p value=0.66		adj p value=0.99	
14467	A	G	ND6	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
14470	T	C	ND6	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0.1	Fisher exact test	0.28
				adj p value=0.58		adj p value=1		adj p value=0.53		adj p value=0.99	
14494	T	C	ND6	Fisher exact test	0.14	Fisher exact test	0.33	Fisher exact test	0	Fisher exact test	0
				adj p value=0.54		adj p value=1		adj p value=0.46		adj p value=0.99	
14524	A	G	ND6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
14536	AA	GT	ND6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	

14562	C	T	ND6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
14608	C	T	ND6	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
14668	CA	TG	ND6	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
14757	T	C	CYTB	Chi2 test	0.73	Chi2 test	0.86	Chi2 test	0.75	Chi2 test	0.88
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
14774	C	T	CYTB	Fisher exact test	0.18	Fisher exact test	0.13	Fisher exact test	0.25	Fisher exact test	1.87
				adj p value=0.59		adj p value=1		adj p value=1		adj p value=1	
14776	A	G	CYTB	Fisher exact test	0.1	Fisher exact test	0.11	Fisher exact test	0.1	Fisher exact test	0.91
				adj p value=0.19		adj p value=1		adj p value=0.53		adj p value=1	
14793	A	G	CYTB	Fisher exact test	0.21	Fisher exact test	0.37	Fisher exact test	0.1	Fisher exact test	0.28
				adj p value=0.58		adj p value=1		adj p value=0.53		adj p value=0.99	
14798	T	C	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
14800	C	T	CYTB	Chi2 test	0.37	Chi2 test	0.68	Fisher exact test	0.21	Fisher exact test	0.31
				adj p value=1		adj p value=1		adj p value=0.28		adj p value=0.99	
14854	C	T	CYTB	Fisher exact test	0.18	Fisher exact test	0.35	Fisher exact test	0.07	Fisher exact test	0.2

Position	Ref	Alt	Gene	Test	p	Test	p	Test	p	Test	p
				adj p value=0.22		adj p value=1		adj p value=0.16		adj p value=0.99	
14860	C	T	CYTB	Fisher exact test	0.18	Fisher exact test	0.28	Fisher exact test	0.12	Fisher exact test	0.44
				adj p value=0.59		adj p value=1		adj p value=0.75		adj p value=1	
14871	T	C	CYTB	Fisher exact test	0.14	Fisher exact test	0.16	Fisher exact test	0.14	Fisher exact test	0.91
				adj p value=0.54		adj p value=1		adj p value=1		adj p value=1	
14873	C	A	CYTB	Fisher exact test	0.07	Fisher exact test	0	Fisher exact test	0.14	Fisher exact test	
				adj p value=0.28		adj p value=1		adj p value=1		adj p value=1	
14875	C	T	CYTB	Fisher exact test	0.05	Fisher exact test	0	Fisher exact test	0.1	Fisher exact test	
				adj p value=0.1		adj p value=1		adj p value=0.53		adj p value=1	
14881	C	G	CYTB	Fisher exact test	0.1	Fisher exact test	0	Fisher exact test	0.21	Fisher exact test	
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=1	
14883	CC	TT	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
14911	C	A	CYTB	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
14923	C	T	CYTB	Chi2 test	0.31	Chi2 test	0.56	Fisher exact test	0.15	Fisher exact test	0.26
				adj p value=1		adj p value=1		adj p value=0.5		adj p value=0.99	
14935	T	C	CYTB	Chi2 test	0.31	Chi2 test	0.72	Fisher exact test	0.09	Fisher exact test	0.13
				adj p value=0.85		adj p value=1		adj p value=0.092		adj p value=0.73	

14941	A	G	CYTB	Fisher exact test	0.16	Fisher exact test	0.11	Fisher exact test	0.22	Fisher exact test	1.87
				adj p value=0.45		adj p value=1		adj p value=1		adj p value=1	
14998	C	T	CYTB	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
15019	T	C	CYTB	Chi2 test	0.3	Chi2 test	0.7	Fisher exact test	0.07	Fisher exact test	0.1
				adj p value=0.58		adj p value=1		adj p value=0.013		adj p value=0.39	
15043	G	C	CYTB	Chi2 test	0.31	Chi2 test	0.68	Fisher exact test	0.08	Fisher exact test	0.11
				adj p value=0.65		adj p value=1		adj p value=0.025		adj p value=0.51	
15061	A	C	CYTB	Chi2 test	0.42	Chi2 test	0.93	Fisher exact test	0.1	Fisher exact test	0.11
				adj p value=1		adj p value=1		adj p value=0.15		adj p value=0.51	
15074	TC	CT	CYTB	Chi2 test	0.35	Chi2 test	0.69	Fisher exact test	0.1	Fisher exact test	0.15
				adj p value=1		adj p value=1		adj p value=0.15		adj p value=0.99	
15077	G	A	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
15298	CT	TC	CYTB	Fisher exact test	0.17	Fisher exact test	0.39	Fisher exact test	0	Fisher exact test	0
				adj p value=0.74		adj p value=1		adj p value=0.71		adj p value=0.99	
15346	G	A	CYTB	Chi2 test	0.58	Chi2 test	1.43	Fisher exact test	0.1	Fisher exact test	0.07
				adj p value=1		adj p value=1		adj p value=0.53		adj p value=0.52	
15596	G	A	CYTB	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0

				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
15598	C	T	CYTB	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
15601	T	C	CYTB	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
15604	C	T	CYTB	Fisher exact test	0.1	Fisher exact test	0.23	Fisher exact test	0	Fisher exact test	0
				adj p value=0.72		adj p value=1		adj p value=1		adj p value=0.99	
15617	G	A	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.35		adj p value=1		adj p value=1		adj p value=1	
15619	C	T	CYTB	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
15622	T	A	CYTB	Fisher exact test	0.08	Fisher exact test	0.19	Fisher exact test	0	Fisher exact test	0
				adj p value=0.49		adj p value=1		adj p value=0.71		adj p value=0.99	
15622	T	C	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
15628	AT	TC	CYTB	Fisher exact test	0.07	Fisher exact test	0.16	Fisher exact test	0	Fisher exact test	0
				adj p value=0.28		adj p value=1		adj p value=0.46		adj p value=0.99	
15653	AT	GC	CYTB	Fisher exact test	0.09	Fisher exact test	0.21	Fisher exact test	0	Fisher exact test	0
				adj p value=0.12		adj p value=1		adj p value=0.12		adj p value=0.99	

15658	C	T	CYTB	Fisher exact test	0.09	Fisher exact test	0.21	Fisher exact test	0	Fisher exact test	0
				adj p value=0.12		adj p value=1		adj p value=0.12		adj p value=0.99	
15661	C	T	CYTB	Fisher exact test	0.1	Fisher exact test	0.24	Fisher exact test	0	Fisher exact test	0
				adj p value=0.19		adj p value=1		adj p value=0.19		adj p value=0.99	
15664	C	A	CYTB	Fisher exact test	0.1	Fisher exact test	0.24	Fisher exact test	0	Fisher exact test	0
				adj p value=0.19		adj p value=1		adj p value=0.19		adj p value=0.99	
15699	G	A	CYTB	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0.1	Fisher exact test	0.44
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
15704	C	T	CYTB	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0.1	Fisher exact test	0.44
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
15714	CA	TC	CYTB	Fisher exact test	0.14	Fisher exact test	0.1	Fisher exact test	0.19	Fisher exact test	1.87
				adj p value=0.28		adj p value=1		adj p value=0.75		adj p value=1	
15718	T	A	CYTB	Fisher exact test	0.14	Fisher exact test	0.1	Fisher exact test	0.19	Fisher exact test	1.87
				adj p value=0.28		adj p value=1		adj p value=0.75		adj p value=1	
15725	C	T	CYTB	Fisher exact test	0.16	Fisher exact test	0.11	Fisher exact test	0.22	Fisher exact test	1.87
				adj p value=0.45		adj p value=1		adj p value=1		adj p value=1	
15734	G	A	CYTB	Fisher exact test	0.1	Fisher exact test	0.11	Fisher exact test	0.1	Fisher exact test	0.91
				adj p value=0.19		adj p value=1		adj p value=0.53		adj p value=1	
15745	C	T	CYTB	Fisher exact test	0.12	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91

Position	Ref	Alt	Gene	Test 1	p	Test 2	p	Test 3	p	Test 4	p
					adj p value=0.33		adj p value=1		adj p value=0.75		adj p value=1
15747	TT	CC	CYTB	Fisher exact test	0.12	Fisher exact test	0.13	Fisher exact test	0.12	Fisher exact test	0.91
					adj p value=0.33		adj p value=1		adj p value=0.75		adj p value=1
15760	C	T	CYTB	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
					adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1
15775	A	G	CYTB	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
					adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1
15777	G	A	CYTB	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
					adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1
15786	T	TCAC	CYTB	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
					adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1
15793	CATT	C	CYTB	Fisher exact test	0.06	Fisher exact test	0	Fisher exact test	0.12	Fisher exact test	
					adj p value=0.16		adj p value=1		adj p value=0.75		adj p value=1
15812	G	A	CYTB	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
					adj p value=0.74		adj p value=1		adj p value=1		adj p value=1
15924	A	G	TRNT	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	
					adj p value=0.74		adj p value=1		adj p value=1		adj p value=1
16034	G	A	NA	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
					adj p value=0.74		adj p value=1		adj p value=0.31		adj p value=0.99

16035	G	A	NA	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=0.57		adj p value=1		adj p value=0.027		adj p value=0.27	
16036	G	A	NA	Fisher exact test		Fisher exact test		Fisher exact test		Fisher exact test	
				adj p value=0.73		adj p value=1		adj p value=0.12		adj p value=0.56	
16093	T	C	NA	Fisher exact test	0.16	Fisher exact test	0.24	Fisher exact test	0.1	Fisher exact test	0.44
				adj p value=0.45		adj p value=1		adj p value=0.53		adj p value=1	
16124	T	C	NA	Fisher exact test	9.15	Fisher exact test	1.31	Fisher exact test	19	Fisher exact test	14.5
				adj p value=0.59		adj p value=1		adj p value=0.092		adj p value=0.51	
16218	C	T	NA	Chi2 test	0.82	Chi2 test	1.56	Fisher exact test	0.32	Fisher exact test	0.2
				adj p value=1		adj p value=1		adj p value=1		adj p value=0.92	
16230	A	G	NA	Chi2 test	0.87	Chi2 test	1.29	Chi2 test	0.56	Chi2 test	0.43
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16249	T	C	NA	Chi2 test	1.19	Chi2 test	1.75	Chi2 test	0.75	Chi2 test	0.43
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16257	C	CA	NA	Chi2 test	1.26	Chi2 test	1.97	Chi2 test	0.72	Chi2 test	0.37
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16263	TC	T	NA	Chi2 test	1.18	Chi2 test	1.97	Chi2 test	0.72	Chi2 test	0.37
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16265	A	T	NA	Fisher exact test	0	Fisher exact test	0	Fisher exact test	0	Fisher exact test	

				adj p value=0.74		adj p value=1		adj p value=1		adj p value=1	
16284	A	G	NA	Chi2 test	1.42	Chi2 test	2.23	Chi2 test	0.81	Chi2 test	0.37
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16288	T	C	NA	Chi2 test	1.33	Chi2 test	2.23	Chi2 test	0.69	Chi2 test	0.31
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16290	C	T	NA	Chi2 test	2.32	Chi2 test	2.94	Chi2 test	1.46	Chi2 test	0.5
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16293	A	C	NA	Chi2 test	1.42	Chi2 test	2.54	Chi2 test	0.64	Chi2 test	0.25
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	
16293	A	G	NA	Fisher exact test	0.14	Fisher exact test	0	Fisher exact test	0.29	Fisher exact test	
				adj p value=0.28		adj p value=1		adj p value=1		adj p value=0.99	
16301	C	T	NA	Chi2 test	1.32	Chi2 test	1.93	Chi2 test	0.78	Chi2 test	0.4
				adj p value=1		adj p value=1		adj p value=1		adj p value=1	

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Supplementary Table S7: Heteroplasmy level test between the three groups (ASY, moderate CCC and severe CCC) and heteroplasmy level analyses between   19

the groups (two by two: ASY vs CCC; ASY vs Moderate CCC; ASY vs Severe CCC and Moderate CCC vs Severe CCC)   20

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Pos	Ref	Alt	Gene	Heteroplasmy Kruskal Wallis adj p value	Heteroplasmy ASYvsCCC adj p value	Heteroplasmy ASYvsMOD adj p value	Heteroplasmy ASYvsSEV adj p value
106	G	A	NA	1,90E-01	1,50E-01	8,60E-01	4,90E-02
159	T	G	NA	1,90E-01	6,30E-02	5,90E-01	3,50E-02
163	G	A	NA	2,30E-01	6,30E-02	5,10E-01	4,00E-02
180	TA	CC	NA	2,60E-01	6,30E-02	3,20E-01	4,40E-02
185	G	A	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
302	A	AC	NA	8,70E-02	1,00E-01	8,10E-01	2,80E-02
310	T	TC	NA	1,80E-01	9,00E-02	3,90E-01	4,40E-02
310	T	C	NA	5,20E-01	5,10E-01	6,10E-01	3,30E-01
318	T	C	NA	1,40E-01	5,00E-02	2,00E-01	7,30E-02
322	G	T	NA	9,80E-03	1,90E-01	9,00E-01	1,30E-02
456	C	T	NA	4,00E-02	2,60E-01	1,50E-01	1,00E+00

493	A	G	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
499	G	C	NA	2,10E-02	9,40E-02	8,60E-01	9,30E-03
564	G	A	NA	7,50E-02	6,30E-02	5,80E-01	2,60E-02
750	A	G	RNR1	4,20E-05	3,00E-03	5,50E-01	3,90E-06
756	C	T	RNR1	6,90E-02	1,80E-01	9,70E-01	2,60E-02
764	ACG	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
766	GCAGC	G	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
769	GC	TT	RNR1	4,00E-02	1,90E-01	1,50E-01	1,00E+00
769	GC	CA	RNR1	1,80E-01	2,80E-02	2,00E-01	2,20E-02
809	G	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
813	A	G	RNR1	1,50E-02	3,60E-01	6,50E-01	1,90E-02
825	T	A	RNR1	8,50E-02	6,30E-02	7,40E-01	2,00E-02
828	C	T	RNR1	2,60E-01	6,30E-02	3,30E-01	4,50E-02
843	G	A	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
870	C	T	RNR1	1,80E-01	1,40E-01	8,50E-01	4,70E-02
877	G	C	RNR1	2,10E-01	6,30E-02	5,30E-01	4,00E-02
880	C	T	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02

883	T	G	RNR1	1,60E-01	4,20E-02	3,70E-01	2,40E-02
906	C	T	RNR1	1,80E-01	5,00E-02	2,00E-01	3,50E-02
917	CA	TG	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
921	TC	CT	RNR1	1,50E-01	3,30E-02	1,90E-01	4,50E-02
921	T	C	RNR1	1,50E-02	1,10E-01	1,00E+00	2,00E-02
930	GC	CT	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
933	G	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
964	C	CT	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1009	C	T	RNR1	1,30E-01	1,80E-01	8,60E-01	3,50E-02
1039	AT	GC	RNR1	1,80E-01	1,80E-02	2,00E-01	2,50E-02
1104	A	C	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1106	CTC	TAT	RNR1	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1111	C	T	RNR1	7,40E-02	1,20E-01	8,80E-01	2,00E-02
1120	C	T	RNR1	1,80E-02	1,50E-02	4,80E-01	1,90E-03
1128	CTG	C	RNR1	1,40E-01	1,10E-01	6,80E-01	3,00E-02
1128	C	CAA	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1129	TGC	T	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02

1131	C	CAT	RNR1	1,40E-01	1,10E-01	6,90E-01	3,00E-02
1133	CG	TA	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1141	C	T	RNR1	1,30E-01	5,30E-03	1,10E-01	1,90E-02
1147	G	A	RNR1	1,70E-02	2,00E-02	4,60E-01	2,00E-03
1151	C	A	RNR1	1,70E-03	5,30E-03	3,70E-01	1,40E-04
1156	C	G	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1173	C	T	RNR1	6,60E-03	1,20E-02	4,30E-01	7,40E-04
1178	G	A	RNR1	1,70E-01	1,20E-01	8,40E-01	4,20E-02
1185	C	T	RNR1	7,30E-03	1,00E-02	3,80E-01	7,40E-04
1197	G	A	RNR1	1,60E-02	2,10E-03	1,90E-01	1,10E-03
1211	G	A	RNR1	2,90E-05	9,20E-05	1,50E-01	9,50E-07
1217	G	A	RNR1	5,60E-03	1,00E-04	1,50E-02	1,00E-03
1220	A	G	RNR1	2,60E-02	3,30E-04	4,00E-02	1,90E-03
1226	C	T	RNR1	7,20E-02	3,00E-03	1,40E-01	6,30E-03
1227	G	A	RNR1	4,20E-06	4,40E-06	1,10E-01	6,60E-08
1228	AT	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1230	CA	TT	RNR1	1,90E-04	1,50E-04	1,90E-01	2,70E-06

1240	A	G	RNR1	1,30E-01	5,30E-03	1,10E-01	1,90E-02
1247	G	GCC	RNR1	6,70E-02	4,20E-03	1,50E-01	9,10E-03
1249	T	C	RNR1	1,20E-06	3,20E-06	7,90E-02	6,60E-08
1253	C	A	RNR1	2,20E-01	6,30E-02	4,70E-01	3,60E-02
1257	T	A	RNR1	9,50E-03	3,00E-03	2,00E-01	4,20E-04
1261	CC	GG	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1263	G	T	RNR1	3,30E-04	1,30E-03	2,40E-01	1,20E-05
1281	TG	T	RNR1	1,00E-01	6,30E-02	5,80E-01	1,90E-02
1282	GAT	G	RNR1	1,20E-04	1,80E-04	1,90E-01	2,10E-06
1284	TG	AA	RNR1	1,80E-01	1,10E-01	6,30E-01	3,70E-02
1285	G	GA	RNR1	6,10E-05	1,10E-04	1,90E-01	9,50E-07
1289	GC	TT	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1290	C	T	RNR1	1,40E-01	1,30E-01	7,90E-01	3,40E-02
1291	T	C	RNR1	3,00E-02	1,20E-02	3,10E-01	2,20E-03
1291	TA	CG	RNR1	8,10E-02	2,20E-01	9,80E-01	3,20E-02
1292	A	G	RNR1	5,50E-02	6,40E-02	9,00E-01	1,40E-02
1293	C	T	RNR1	1,50E-01	5,70E-02	2,60E-01	2,60E-02

1295	A	G	RNR1	1,00E-04	1,40E-03	2,60E-01	5,30E-06
1303	G	A	RNR1	1,70E-04	5,70E-04	2,00E-01	5,30E-06
1310	C	T	RNR1	1,30E-03	6,50E-03	4,60E-01	1,10E-04
1311	C	CTA	RNR1	3,80E-02	1,30E-02	3,30E-01	2,80E-03
1311	C	A	RNR1	2,30E-01	3,80E-02	2,00E-01	5,10E-02
1312	C	T	RNR1	1,50E-02	4,20E-02	7,20E-01	2,50E-03
1314	CGT	C	RNR1	3,90E-02	1,30E-02	3,30E-01	2,80E-03
1315	G	A	RNR1	6,40E-05	1,50E-04	1,70E-01	1,70E-06
1320	G	A	RNR1	7,20E-06	1,50E-04	2,00E-01	2,70E-07
1323	G	T	RNR1	8,00E-03	2,90E-03	2,10E-01	3,40E-04
1362	GC	G	RNR1	3,30E-02	6,20E-03	2,00E-01	1,90E-03
1364	T	A	RNR1	1,10E-02	1,50E-03	1,90E-01	4,30E-04
1367	A	G	RNR1	1,50E-02	1,40E-03	1,70E-01	6,50E-04
1375	C	CA	RNR1	1,80E-02	9,80E-03	3,30E-01	1,50E-03
1376	CC	TT	RNR1	2,40E-02	3,30E-02	5,60E-01	3,20E-03
1376	C	T	RNR1	1,40E-01	1,20E-01	8,90E-01	3,50E-02
1384	ACT	A	RNR1	2,60E-02	1,90E-03	1,60E-01	1,50E-03

1387	A	ATGTCG	RNR1	1,50E-02	1,40E-03	1,80E-01	6,80E-04
1388	C	T	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1391	T	C	RNR1	1,70E-03	1,40E-03	2,00E-01	5,40E-05
1393	GC	G	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1393	G	A	RNR1	1,40E-05	1,40E-03	4,10E-01	1,80E-06
1396	C	G	RNR1	2,50E-03	1,30E-03	2,00E-01	7,10E-05
1398	T	G	RNR1	1,40E-01	1,10E-01	6,90E-01	3,00E-02
1405	CT	TC	RNR1	1,40E-01	1,10E-01	8,40E-01	4,10E-02
1405	C	T	RNR1	7,10E-02	6,30E-02	6,60E-01	1,30E-02
1412	G	GC	RNR1	1,10E-02	2,00E-02	5,90E-01	2,10E-03
1413	TCG	T	RNR1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
1414	CG	C	RNR1	1,80E-02	5,80E-02	8,50E-01	6,30E-03
1420	T	A	RNR1	7,30E-03	1,10E-02	5,20E-01	1,10E-03
1431	G	A	RNR1	3,00E-02	1,70E-02	4,10E-01	4,00E-03
1436	C	T	RNR1	3,60E-02	2,30E-02	4,90E-01	5,50E-03
1437	T	C	RNR1	1,10E-01	6,60E-02	8,00E-01	2,10E-02
1438	A	G	RNR1	6,10E-06	5,30E-03	8,10E-01	4,30E-06

1443	T	C	RNR1	1,00E-02	5,30E-03	2,30E-01	1,10E-03
1450	C	T	RNR1	8,40E-02	4,60E-02	5,60E-01	1,50E-02
1453	A	G	RNR1	1,60E-02	1,70E-03	1,90E-01	7,40E-04
1454	G	A	RNR1	9,50E-02	3,70E-02	4,70E-01	1,60E-02
1460	C	T	RNR1	4,00E-02	3,60E-02	6,00E-01	7,90E-03
1462	G	A	RNR1	6,00E-02	1,00E-01	9,70E-01	2,10E-02
1466	CC	TA	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1467	C	A	RNR1	9,00E-02	3,80E-02	5,00E-01	1,50E-02
1469	G	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1474	G	A	RNR1	1,20E-01	7,20E-03	1,70E-01	1,30E-02
1476	GT	AC	RNR1	2,60E-01	3,90E-02	2,00E-01	4,70E-02
1477	T	C	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1485	G	A	RNR1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1556	C	T	RNR1	1,80E-02	5,80E-03	2,00E-01	1,50E-03
1597	C	T	RNR1	4,60E-02	9,80E-04	6,90E-02	4,10E-03
1604	GA	AG	TRNV	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1626	C	T	TRNV	1,80E-01	1,70E-02	2,00E-01	2,40E-02

1628	CAA	TGT	TRNV	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1637	CTTAGG	C	TRNV	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1642	G	A	TRNV	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1651	A	C	TRNV	1,30E-01	5,30E-03	1,10E-01	1,90E-02
1653	T	A	TRNV	1,80E-01	1,70E-02	2,00E-01	2,40E-02
1654	T	C	TRNV	1,30E-01	1,40E-01	8,10E-01	3,30E-02
1657	C	T	TRNV	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1664	G	A	TRNV	1,10E-01	6,30E-02	7,80E-01	2,10E-02
1666	TC	CT	TRNV	2,60E-01	3,30E-02	1,90E-01	7,10E-02
1673	T	C	RNR2	1,30E-01	1,30E-01	8,10E-01	3,20E-02
1693	C	T	RNR2	1,10E-01	2,30E-02	1,90E-01	2,20E-02
1808	AT	GC	RNR2	1,80E-01	1,70E-02	2,00E-01	2,40E-02
1824	T	C	RNR2	1,90E-01	3,30E-02	2,10E-01	3,40E-02
1874	A	T	RNR2	2,60E-01	3,90E-02	2,00E-01	4,70E-02
1882	AG	TA	RNR2	2,60E-01	3,90E-02	2,00E-01	4,70E-02
1883	G	A	RNR2	1,30E-01	6,30E-02	3,30E-01	2,40E-02
1888	G	A	RNR2	1,20E-01	1,90E-01	9,30E-01	3,90E-02

1896	T	C	RNR2	1,10E-01	2,10E-02	1,90E-01	2,10E-02
1900	A	G	RNR2	1,60E-02	1,90E-03	1,10E-01	1,30E-03
1905	CG	TA	RNR2	4,00E-02	1,40E-03	1,10E-01	2,80E-03
1924	T	C	RNR2	1,30E-01	4,50E-02	2,40E-01	2,10E-02
1934	T	G	RNR2	2,10E-02	1,90E-03	7,60E-02	2,00E-03
1949	G	A	RNR2	1,30E-02	2,80E-03	7,60E-02	2,00E-03
1959	C	T	RNR2	3,70E-02	1,10E-02	7,10E-02	1,90E-02
1971	A	G	RNR2	2,60E-02	7,20E-03	7,20E-02	6,50E-03
1975	T	A	RNR2	1,30E-01	3,20E-02	1,50E-01	3,30E-02
1977	T	C	RNR2	9,50E-02	1,00E-01	6,10E-01	2,10E-02
1979	TAGGTA	T	RNR2	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1986	A	T	RNR2	4,60E-02	1,80E-02	1,10E-01	1,40E-02
1987	G	GCA	RNR2	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1989	C	CAGT	RNR2	8,20E-02	2,10E-03	7,60E-02	9,30E-03
1989	C	T	RNR2	5,30E-02	1,60E-02	1,50E-01	1,30E-02
1992	C	T	RNR2	4,20E-02	5,30E-03	1,20E-01	5,30E-03
1994	AA	CG	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02

1995	A	G	RNR2	8,10E-02	3,30E-02	2,00E-01	1,60E-02
1999	A	C	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2001	C	T	RNR2	1,30E-01	3,30E-02	1,50E-01	3,30E-02
2002	G	A	RNR2	2,10E-01	3,20E-02	1,90E-01	6,50E-02
2008	G	A	RNR2	1,30E-01	3,20E-02	1,50E-01	3,30E-02
2016	CT	C	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2030	T	C	RNR2	1,70E-01	2,40E-01	9,30E-01	4,90E-02
2053	T	C	RNR2	1,80E-01	5,10E-02	2,00E-01	3,50E-02
2056	G	A	RNR2	4,10E-02	6,30E-02	8,10E-01	9,70E-03
2059	C	T	RNR2	1,00E-01	2,20E-01	9,20E-01	4,50E-02
2065	ACCC	A	RNR2	2,60E-01	3,60E-02	1,70E-01	1,10E-01
2071	T	C	RNR2	1,70E-01	3,90E-02	3,10E-01	2,60E-02
2080	T	C	RNR2	5,80E-02	1,00E-02	2,00E-01	5,50E-03
2162	C	T	RNR2	1,30E-01	8,50E-02	8,10E-01	3,00E-02
2168	T	C	RNR2	1,20E-01	7,30E-03	1,70E-01	1,30E-02
2218	C	CTGT	RNR2	2,60E-01	6,20E-02	3,20E-01	4,30E-02
2220	AC	A	RNR2	2,60E-02	2,70E-02	5,70E-01	2,80E-03

2222	TA	T	RNR2	7,40E-02	6,30E-02	7,50E-01	1,30E-02
2222	TAC	T	RNR2	1,80E-01	1,70E-02	2,00E-01	2,40E-02
2224	C	CGT	RNR2	7,40E-02	6,30E-02	7,60E-01	1,30E-02
2242	T	C	RNR2	8,20E-02	5,60E-02	4,30E-01	1,20E-02
2244	T	C	RNR2	7,40E-02	6,30E-02	7,60E-01	1,30E-02
2251	A	G	RNR2	8,00E-02	4,30E-02	5,70E-01	1,10E-02
2257	C	T	RNR2	7,80E-02	4,10E-02	5,60E-01	1,00E-02
2257	CA	TG	RNR2	2,50E-01	5,90E-02	3,10E-01	4,20E-02
2262	C	T	RNR2	1,40E-01	6,30E-02	6,20E-01	2,40E-02
2280	C	T	RNR2	1,80E-02	1,60E-02	5,20E-01	1,80E-03
2284	C	T	RNR2	8,20E-02	1,80E-01	9,40E-01	2,90E-02
2294	A	G	RNR2	1,90E-01	2,00E-02	1,40E-01	8,00E-02
2343	G	A	RNR2	1,40E-03	7,20E-01	2,00E-01	3,50E-02
2345	G	A	RNR2	1,60E-03	6,90E-01	2,00E-01	3,40E-02
2351	TT	CC	RNR2	1,30E-03	7,50E-01	2,00E-01	3,80E-02
2357	C	T	RNR2	1,20E-03	6,50E-01	2,00E-01	2,90E-02
2359	C	T	RNR2	9,50E-03	8,20E-01	2,10E-01	7,80E-02

2361	G	A	RNR2	4,10E-03	9,30E-01	1,90E-01	1,10E-01
2404	T	C	RNR2	9,50E-03	9,10E-01	2,00E-01	8,00E-02
2423	C	T	RNR2	9,90E-03	9,30E-01	2,10E-01	7,40E-02
2442	T	C	RNR2	2,00E-02	4,50E-01	5,60E-01	3,50E-02
2445	T	C	RNR2	5,00E-02	6,10E-01	5,70E-01	6,50E-02
2523	C	T	RNR2	3,40E-08	2,20E-02	6,00E-01	2,70E-06
2525	C	T	RNR2	3,30E-04	3,90E-01	2,90E-01	9,60E-03
2541	CG	C	RNR2	1,50E-04	3,30E-02	9,30E-01	1,30E-04
2541	C	T	RNR2	1,30E-04	1,40E-03	2,70E-01	5,80E-06
2541	CGC	TAT	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
2546	G	GTC	RNR2	2,60E-01	4,20E-02	2,10E-01	4,90E-02
2550	A	G	RNR2	3,70E-07	1,80E-01	2,20E-01	3,30E-04
2557	C	T	RNR2	6,60E-10	1,70E-02	5,70E-01	2,70E-07
2560	G	A	RNR2	2,60E-02	3,30E-04	4,00E-02	1,90E-03
2563	T	C	RNR2	1,50E-06	1,50E-04	2,10E-01	8,10E-08
2566	C	T	RNR2	1,70E-01	6,30E-02	5,80E-01	3,10E-02
2567	G	A	RNR2	2,20E-03	6,00E-03	5,20E-01	2,00E-04

2569	CC	TG	RNR2	2,60E-01	3,90E-02	2,00E-01	4,70E-02
2570	C	T	RNR2	1,70E-03	9,60E-04	1,80E-01	6,20E-05
2571	G	A	RNR2	8,00E-03	3,30E-02	8,20E-01	1,80E-03
2572	C	T	RNR2	4,10E-03	1,90E-03	2,00E-01	1,30E-04
2573	G	A	RNR2	1,50E-02	6,30E-02	9,60E-01	6,30E-03
2573	G	C	RNR2	1,80E-01	5,10E-02	2,00E-01	3,50E-02
2577	C	T	RNR2	1,30E-06	1,00E-04	2,00E-01	6,60E-08
2581	A	G	RNR2	2,80E-07	1,90E-04	3,10E-01	6,60E-08
2588	CA	C	RNR2	2,60E-01	3,90E-02	2,00E-01	4,70E-02
2589	A	G	RNR2	2,60E-02	3,30E-04	4,00E-02	1,90E-03
2590	A	C	RNR2	2,60E-01	4,20E-02	2,10E-01	4,90E-02
2612	CT	TC	RNR2	1,80E-01	1,80E-02	2,00E-01	2,50E-02
2613	T	C	RNR2	3,10E-04	1,90E-04	1,90E-01	6,00E-06
2617	A	G	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2625	C	T	RNR2	4,40E-10	6,30E-02	2,90E-01	2,10E-06
2628	T	A	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2636	GCT	G	RNR2	1,20E-01	1,60E-01	9,80E-01	3,70E-02

2637	C	T	RNR2	4,60E-02	9,80E-04	6,90E-02	4,10E-03
2638	TC	CA	RNR2	7,10E-02	6,00E-03	1,90E-01	8,10E-03
2639	C	A	RNR2	4,60E-02	9,80E-04	6,90E-02	4,10E-03
2642	C	T	RNR2	9,50E-03	2,90E-04	7,60E-02	3,50E-04
2643	G	A	RNR2	1,10E-01	6,30E-02	6,90E-01	1,80E-02
2643	G	C	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2645	G	A	RNR2	1,80E-01	1,90E-02	2,00E-01	2,50E-02
2647	G	A	RNR2	8,20E-02	2,10E-03	7,60E-02	9,30E-03
2655	GTC	G	RNR2	8,20E-02	2,10E-03	7,60E-02	9,30E-03
2666	TT	CC	RNR2	2,60E-01	4,10E-02	2,10E-01	4,80E-02
2667	T	C	RNR2	4,40E-10	3,30E-02	5,40E-01	4,40E-07
2670	C	T	RNR2	6,50E-02	1,60E-02	2,70E-01	6,40E-03
2679	T	C	RNR2	3,40E-02	1,90E-02	2,90E-01	2,80E-03
2683	C	T	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2686	G	A	RNR2	2,70E-03	3,60E-01	5,60E-01	7,90E-03
2686	GC	AT	RNR2	1,10E-01	1,70E-02	2,00E-01	1,40E-02
2690	G	A	RNR2	1,40E-01	6,30E-02	6,70E-01	2,50E-02

2697	GG	AA	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2701	GGC	G	RNR2	1,60E-01	3,40E-02	2,90E-01	2,40E-02
2702	GC	AT	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2705	T	TG	RNR2	2,60E-01	4,00E-02	2,00E-01	4,70E-02
2706	A	G	RNR2	2,40E-06	2,60E-01	3,10E-01	1,40E-03
2708	C	T	RNR2	7,40E-02	1,00E-01	8,30E-01	2,00E-02
2709	AC	A	RNR2	7,20E-02	8,60E-03	2,00E-01	7,40E-03
2710	C	T	RNR2	4,70E-06	3,40E-01	2,20E-01	1,00E-03
2712	GC	AT	RNR2	2,00E-01	5,70E-02	3,60E-01	3,50E-02
2714	A	AATAAG	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2717	ACG	A	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2718	C	T	RNR2	1,80E-01	6,30E-02	5,70E-01	3,20E-02
2744	T	C	RNR2	2,00E-01	4,00E-02	2,20E-01	4,30E-02
2778	T	C	RNR2	1,60E-01	4,60E-02	2,10E-01	3,20E-02
2864	TC	AT	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2868	C	A	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
2877	C	T	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02

2881	C	T	RNR2	1,80E-01	6,30E-02	5,60E-01	2,80E-02
2884	CTA	C	RNR2	1,50E-01	3,30E-02	2,90E-01	2,00E-02
2887	T	C	RNR2	7,10E-02	7,40E-03	2,00E-01	5,60E-03
2889	C	CGT	RNR2	1,80E-01	6,30E-02	5,60E-01	2,90E-02
2891	C	T	RNR2	1,80E-01	6,30E-02	5,60E-01	2,90E-02
2898	T	C	RNR2	1,80E-01	3,30E-02	2,10E-01	2,40E-02
2911	C	T	RNR2	2,60E-01	4,10E-02	2,10E-01	4,80E-02
2915	C	T	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
2920	C	T	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
2933	G	T	RNR2	7,40E-02	3,10E-03	1,40E-01	6,40E-03
2942	CG	TA	RNR2	7,20E-02	3,00E-03	1,40E-01	6,30E-03
2953	T	A	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
2958	A	G	RNR2	4,10E-02	1,40E-03	1,10E-01	2,80E-03
2964	T	C	RNR2	4,10E-02	1,40E-03	1,10E-01	2,80E-03
2968	A	G	RNR2	5,60E-03	6,50E-04	1,60E-01	1,30E-04
2972	A	G	RNR2	4,00E-02	1,40E-03	1,10E-01	2,80E-03
2976	G	A	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02

2976	GG	CA	RNR2	7,20E-02	3,00E-03	1,40E-01	6,30E-03
2980	T	A	RNR2	7,40E-02	3,10E-03	1,40E-01	6,40E-03
2983	G	T	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
2983	G	A	RNR2	1,20E-01	2,60E-02	1,90E-01	2,00E-02
2985	C	T	RNR2	2,60E-01	4,20E-02	2,10E-01	4,90E-02
3009	CG	TA	RNR2	3,60E-03	9,00E-04	1,90E-01	1,30E-04
3016	G	GT	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
3017	C	T	RNR2	1,20E-02	1,90E-03	1,90E-01	6,80E-04
3018	AG	A	RNR2	2,00E-01	1,30E-02	1,50E-01	3,50E-02
3029	AA	GG	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3030	A	G	RNR2	3,50E-02	7,10E-03	2,10E-01	2,10E-03
3035	C	T	RNR2	1,20E-01	7,30E-03	1,70E-01	1,30E-02
3036	G	A	RNR2	1,90E-01	3,30E-02	2,10E-01	2,50E-02
3046	C	T	RNR2	2,50E-02	5,30E-03	2,00E-01	1,80E-03
3047	G	A	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3060	C	T	RNR2	8,40E-02	6,30E-03	1,60E-01	1,30E-02
3068	G	C	RNR2	2,10E-01	3,30E-02	2,00E-01	4,70E-02

3079	G	A	RNR2	1,30E-01	3,30E-02	3,10E-01	1,90E-02
3093	C	T	RNR2	1,30E-01	5,30E-03	1,10E-01	1,90E-02
3104	TAC	T	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3170	C	T	RNR2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3176	A	G	RNR2	2,00E-01	2,80E-02	1,90E-01	6,10E-02
3250	T	C	TRNL1	1,20E-01	3,30E-02	2,10E-01	1,80E-02
3253	T	C	TRNL1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3254	C	T	TRNL1	1,30E-01	2,70E-02	2,10E-01	1,90E-02
3263	C	T	TRNL1	2,60E-01	4,20E-02	2,10E-01	4,90E-02
3275	C	T	TRNL1	1,50E-01	1,30E-02	1,70E-01	3,50E-02
3277	G	A	TRNL1	2,20E-01	3,30E-02	1,90E-01	6,60E-02
3290	TT	CC	TRNL1	2,60E-01	3,90E-02	2,00E-01	4,70E-02
3342	C	T	ND1	1,80E-01	2,00E-02	2,00E-01	2,60E-02
3345	T	C	ND1	1,30E-01	5,30E-03	1,10E-01	1,90E-02
3565	A	C	ND1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
3579	A	C	ND1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
3687	C	T	ND1	2,60E-01	3,30E-02	1,90E-01	7,10E-02

3703	C	T	ND1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
3954	C	T	ND1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
4113	G	A	ND1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
4498	AC	A	ND2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
4655	G	A	ND2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
4847	C	T	ND2	4,00E-02	2,60E-01	1,50E-01	1,00E+00
4859	T	C	ND2	4,00E-02	2,60E-01	1,50E-01	1,00E+00
5262	G	A	ND2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5474	A	G	ND2	1,20E-01	2,10E-02	2,10E-01	1,30E-02
5648	A	G	TRNA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5667	G	T	TRNN	1,30E-01	5,30E-03	1,10E-01	1,90E-02
5681	C	T	TRNN	1,30E-01	5,30E-03	1,10E-01	1,90E-02
5734	T	C	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5754	GC	G	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5755	CG	C	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5768	G	A	TRNC	2,00E-01	1,30E-02	1,50E-01	3,50E-02
5774	T	A	TRNC	1,40E-01	4,20E-02	4,00E-01	2,10E-02

5781	C	G	TRNC	1,30E-01	5,30E-03	1,10E-01	1,90E-02
5790	C	T	TRNC	2,30E-01	6,30E-02	4,50E-01	4,60E-02
5806	T	C	TRNC	9,00E-02	5,30E-03	1,30E-01	1,90E-02
5810	A	AG	TRNC	2,60E-01	3,30E-02	1,90E-01	7,10E-02
5821	G	A	TRNC	6,10E-02	8,00E-02	9,20E-01	1,80E-02
5840	C	T	TRNY	5,00E-02	2,10E-01	8,20E-01	2,80E-02
5840	C	CT	TRNY	2,60E-01	4,10E-02	2,10E-01	4,80E-02
5842	A	G	TRNY	1,20E-01	7,20E-03	1,70E-01	1,30E-02
5846	C	T	TRNY	1,20E-01	7,60E-03	1,80E-01	1,30E-02
6176	TA	CG	COX1	2,60E-01	6,30E-02	3,30E-01	4,50E-02
6182	G	A	COX1	4,30E-02	4,00E-03	1,90E-01	2,80E-03
6185	T	C	COX1	6,20E-03	1,30E-04	4,00E-02	7,50E-04
6197	C	T	COX1	1,20E-01	7,70E-03	1,80E-01	1,40E-02
6216	T	C	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
6224	C	T	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
6226	CT	C	COX1	2,60E-01	4,20E-02	2,10E-01	4,90E-02
6229	TCC	T	COX1	2,60E-01	4,20E-02	2,10E-01	4,90E-02

6233	A	C	COX1	2,30E-01	6,30E-02	5,40E-01	4,20E-02
6236	C	T	COX1	1,30E-01	1,40E-02	2,00E-01	1,40E-02
6242	C	T	COX1	3,80E-02	8,30E-03	2,10E-01	2,50E-03
6251	T	C	COX1	7,20E-02	3,00E-03	1,40E-01	6,30E-03
6266	A	C	COX1	9,90E-02	1,30E-01	9,50E-01	2,70E-02
6266	A	T	COX1	1,80E-01	1,70E-02	2,00E-01	2,40E-02
6269	A	C	COX1	1,80E-01	3,30E-02	2,10E-01	2,50E-02
6326	C	T	COX1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
6335	C	T	COX1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
6353	A	G	COX1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
6356	C	T	COX1	1,80E-01	1,90E-02	2,00E-01	2,50E-02
6452	C	T	COX1	1,20E-01	1,30E-02	2,00E-01	1,30E-02
6488	T	C	COX1	2,00E-01	3,30E-02	2,00E-01	4,40E-02
6494	A	C	COX1	1,40E-01	1,60E-02	1,90E-01	2,60E-02
6497	T	C	COX1	9,50E-03	1,40E-03	1,10E-01	8,00E-04
6500	C	T	COX1	2,00E-01	3,30E-02	2,00E-01	4,40E-02
6503	A	C	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02

6509	A	G	COX1	2,00E-01	3,30E-02	2,00E-01	4,40E-02
6521	C	T	COX1	3,10E-02	4,10E-03	1,40E-01	3,90E-03
6524	T	C	COX1	8,30E-02	1,30E-02	1,40E-01	2,20E-02
6528	C	T	COX1	1,40E-01	1,40E-02	1,90E-01	2,40E-02
6530	A	C	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
6531	C	T	COX1	1,70E-02	2,10E-03	1,10E-01	2,00E-03
6551	C	T	COX1	3,20E-02	4,20E-03	1,40E-01	4,00E-03
6563	C	T	COX1	7,30E-02	3,00E-03	7,10E-02	2,20E-02
6566	C	T	COX1	2,60E-01	3,50E-02	1,70E-01	1,10E-01
6571	C	T	COX1	2,60E-01	3,50E-02	1,70E-01	1,10E-01
6578	A	G	COX1	2,60E-01	3,80E-02	2,00E-01	4,60E-02
6665	C	T	COX1	2,60E-01	6,30E-02	3,20E-01	4,40E-02
6812	A	C	COX1	1,60E-01	3,30E-02	2,90E-01	2,00E-02
6815	T	C	COX1	1,40E-01	4,10E-02	3,70E-01	2,20E-02
6824	C	T	COX1	1,70E-01	4,00E-02	3,30E-01	2,30E-02
6830	C	T	COX1	1,70E-01	3,60E-02	2,90E-01	2,60E-02
6836	C	T	COX1	1,70E-01	3,70E-02	3,00E-01	2,80E-02

6848	C	T	COX1	2,00E-01	2,60E-02	1,90E-01	5,70E-02
6851	C	T	COX1	1,40E-01	2,10E-02	2,00E-01	2,10E-02
6860	A	G	COX1	1,30E-01	1,20E-02	1,50E-01	3,10E-02
6863	A	C	COX1	1,30E-01	1,20E-02	1,50E-01	3,10E-02
6873	C	T	COX1	1,20E-01	7,30E-03	1,70E-01	1,30E-02
6875	C	A	COX1	1,20E-01	8,10E-03	1,90E-01	1,40E-02
6878	C	T	COX1	1,50E-02	3,30E-02	7,10E-01	2,30E-03
6881	A	C	COX1	2,60E-01	4,00E-02	2,00E-01	4,70E-02
6884	C	G	COX1	1,20E-01	1,30E-02	2,00E-01	1,30E-02
6886	A	ACGG	COX1	2,60E-01	6,20E-02	3,20E-01	4,30E-02
6899	G	C	COX1	2,60E-01	6,30E-02	3,30E-01	4,50E-02
6902	A	G	COX1	2,00E-02	1,20E-02	3,70E-01	1,70E-03
6909	G	T	COX1	2,60E-01	3,80E-02	2,00E-01	4,60E-02
6915	G	A	COX1	2,60E-01	4,20E-02	2,10E-01	4,90E-02
6929	A	G	COX1	1,30E-01	1,10E-01	7,80E-01	3,20E-02
6932	A	G	COX1	3,20E-02	3,30E-03	2,00E-01	1,80E-03
6935	C	T	COX1	7,40E-02	1,40E-02	2,30E-01	6,40E-03

6938	C	T	COX1	4,70E-05	3,80E-04	2,00E-01	1,80E-06
6944	T	C	COX1	6,20E-03	5,30E-03	2,20E-01	3,70E-04
6950	C	T	COX1	1,70E-02	1,30E-02	3,10E-01	1,70E-03
6962	G	A	COX1	5,50E-04	3,00E-03	4,60E-01	4,00E-05
6965	T	C	COX1	9,50E-03	3,30E-02	8,20E-01	1,80E-03
6975	T	C	COX1	9,70E-02	2,40E-02	3,00E-01	1,00E-02
6990	C	T	COX1	1,20E-01	8,10E-03	1,90E-01	1,40E-02
7007	C	T	COX1	2,60E-01	6,30E-02	3,60E-01	4,80E-02
7008	G	T	COX1	4,60E-02	9,80E-04	6,90E-02	4,10E-03
7013	G	A	COX1	2,50E-03	1,90E-03	2,10E-01	8,70E-05
7016	C	T	COX1	2,60E-01	3,60E-02	2,00E-01	4,50E-02
7022	T	C	COX1	2,60E-02	7,70E-03	2,50E-01	1,80E-03
7037	C	T	COX1	1,80E-01	3,10E-02	2,10E-01	2,30E-02
7040	T	C	COX1	3,30E-03	3,80E-04	1,50E-01	1,20E-04
7064	T	C	COX1	4,20E-02	1,30E-02	2,50E-01	3,90E-03
7072	T	C	COX1	1,30E-01	5,30E-03	1,10E-01	1,90E-02
7076	A	G	COX1	1,50E-01	5,70E-02	4,70E-01	2,50E-02

7094	T	C	COX1	2,60E-01	6,30E-02	3,70E-01	4,90E-02
7112	C	T	COX1	2,60E-01	6,30E-02	3,30E-01	4,50E-02
7133	CA	C	COX1	2,00E-01	1,30E-02	1,50E-01	3,50E-02
7196	C	T	COX1	1,80E-01	6,30E-02	5,40E-01	3,40E-02
7205	C	T	COX1	1,90E-01	9,70E-02	5,60E-01	4,00E-02
7211	G	A	COX1	1,90E-01	6,30E-02	5,60E-01	3,50E-02
7244	C	T	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
7259	CC	TT	COX1	2,60E-01	3,30E-02	1,90E-01	7,10E-02
7424	A	G	COX1	4,10E-02	2,30E-01	8,60E-01	4,40E-02
7621	T	C	COX2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
7861	T	C	COX2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
7868	C	T	COX2	1,20E-01	2,10E-02	2,10E-01	1,30E-02
8011	A	G	COX2	2,60E-01	3,30E-02	1,90E-01	7,10E-02
8021	A	G	COX2	1,50E-01	3,30E-02	2,70E-01	1,90E-02
8065	G	A	COX2	1,20E-01	3,40E-02	2,10E-01	1,50E-02
8140	C	T	COX2	2,20E-01	6,30E-02	5,00E-01	3,90E-02
8152	G	A	COX2	9,90E-02	1,30E-01	9,60E-01	2,80E-02

8167	T	C	COX2	1,30E-01	2,60E-02	2,40E-01	1,40E-02
8371	C	A	ATP8	1,60E-01	3,30E-02	3,00E-01	2,00E-02
8374	A	G	ATP8	1,80E-01	6,30E-02	5,60E-01	2,90E-02
8380	T	C	ATP8	1,50E-01	3,30E-02	2,90E-01	2,00E-02
8383	T	C	ATP8	1,60E-01	3,30E-02	2,90E-01	2,00E-02
8386	C	T	ATP8	1,60E-01	3,30E-02	2,90E-01	2,00E-02
8401	A	C	ATP8	1,20E-01	1,30E-02	2,00E-01	1,30E-02
8405	A	G	ATP8	3,40E-08	1,90E-03	8,10E-01	6,60E-08
8410	C	A	ATP8	1,80E-01	3,30E-02	2,10E-01	2,40E-02
8416	C	T	ATP8	1,20E-07	1,20E-03	5,80E-01	7,10E-08
8419	T	C	ATP8	1,20E-01	1,30E-02	2,00E-01	1,30E-02
8428	C	T	ATP8	2,40E-01	3,60E-02	2,00E-01	5,70E-02
8437	C	T	ATP8	7,60E-08	1,40E-03	6,90E-01	6,70E-08
8440	A	G	ATP8	5,50E-07	2,10E-03	8,10E-01	4,50E-07
8455	C	T	ATP8	6,00E-08	1,40E-03	7,80E-01	8,80E-08
8461	C	T	ATP8	1,40E-07	3,60E-04	4,60E-01	6,60E-08
8467	C	T	ATP8	8,50E-06	3,80E-04	2,90E-01	1,10E-06

8473	T	C	ATP8	7,90E-03	9,50E-03	4,30E-01	1,70E-03
8503	T	C	ATP8	1,00E-01	1,70E-01	9,50E-01	3,60E-02
8508	AC	GT	ATP8	5,30E-02	8,30E-02	8,40E-01	1,70E-02
8527	A	G	ATP8,ATP6	7,10E-02	2,50E-01	8,70E-01	3,50E-02
8558	C	G	ATP8,ATP6	2,60E-02	3,30E-04	4,00E-02	1,90E-03
8566	A	G	ATP8,ATP6	1,10E-01	3,30E-02	3,30E-01	1,40E-02
8568	C	T	ATP8,ATP6	1,20E-01	1,30E-02	2,00E-01	1,30E-02
8574	C	T	ATP6	9,90E-03	1,80E-01	6,80E-01	1,30E-02
8577	A	G	ATP6	9,90E-03	1,80E-01	6,80E-01	1,30E-02
8611	C	T	ATP6	2,20E-01	3,60E-02	2,00E-01	4,90E-02
8618	T	C	ATP6	8,30E-02	1,10E-01	8,10E-01	4,50E-02
8632	T	C	ATP6	1,60E-01	1,90E-02	2,00E-01	2,80E-02
8634	T	C	ATP6	1,00E-04	1,20E-01	5,80E-01	8,30E-04
8655	C	T	ATP6	1,40E-02	6,30E-02	9,20E-01	5,80E-03
8658	C	T	ATP6	2,60E-01	3,60E-02	2,00E-01	4,50E-02
8677	A	C	ATP6	1,20E-03	6,30E-02	1,00E+00	1,10E-03
8714	C	T	ATP6	2,60E-01	3,30E-02	1,90E-01	7,10E-02

8721	A	G	ATP6	2,70E-02	1,20E-01	8,70E-01	9,30E-03
8775	C	T	ATP6	2,30E-03	1,00E-02	3,60E-01	3,10E-04
8778	C	T	ATP6	7,20E-03	1,30E-02	3,10E-01	8,80E-04
8784	A	G	ATP6	2,90E-03	9,90E-03	2,50E-01	3,10E-04
8789	T	TAC-GCCGAGGCCGCCGCCGCCGCCGCC	ATP6	1,20E-01	8,10E-03	1,90E-01	1,40E-02
8793	T	G	ATP6	2,60E-01	3,90E-02	2,00E-01	4,60E-02
8795	A	C	ATP6	2,00E-01	1,30E-02	1,50E-01	3,50E-02
8848	T	C	ATP6	4,00E-02	2,50E-02	2,00E-01	4,10E-03
8850	A	G	ATP6	4,00E-02	2,50E-02	2,00E-01	4,10E-03
8854	G	A	ATP6	5,40E-02	5,00E-02	3,20E-01	7,20E-03
8856	G	A	ATP6	1,20E-02	5,30E-03	1,70E-01	9,50E-04
8859	C	T	ATP6	4,60E-02	3,90E-02	2,70E-01	6,00E-03
8860	A	G	ATP6	7,90E-02	5,20E-02	2,30E-01	1,10E-02
8865	G	A	ATP6	1,60E-02	1,20E-02	2,00E-01	1,50E-03
8870	T	C	ATP6	1,80E-02	1,30E-02	2,00E-01	1,60E-03

8875	T	C	ATP6	7,80E-02	6,30E-02	4,10E-01	1,30E-02
8877	T	C	ATP6	2,60E-01	3,30E-02	1,90E-01	7,10E-02
8886	G	A	ATP6	1,00E-01	7,70E-02	5,00E-01	1,80E-02
8888	TT	CC	ATP6	1,00E-01	7,40E-02	5,00E-01	1,80E-02
9261	A	C	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9325	T	C	COX3	1,60E-02	1,00E-01	8,60E-01	9,30E-03
9329	G	C	COX3	3,30E-02	1,80E-01	8,10E-01	2,00E-02
9527	C	T	COX3	9,50E-02	2,30E-02	2,90E-01	9,80E-03
9530	T	C	COX3	7,00E-02	9,50E-02	9,40E-01	1,90E-02
9692	AC	GT	COX3	2,60E-01	3,90E-02	1,80E-01	1,10E-01
9695	G	A	COX3	2,60E-01	4,20E-02	2,10E-01	4,90E-02
9713	G	A	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9717	C	G	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9719	C	T	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9722	T	C	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9785	C	T	COX3	2,00E-01	1,30E-02	1,50E-01	3,50E-02
9839	C	A	COX3	1,80E-01	1,70E-02	2,00E-01	2,40E-02

9857	C	T	COX3	2,00E-01	1,30E-02	1,50E-01	3,50E-02
9861	T	C	COX3	2,60E-02	3,30E-04	4,00E-02	1,90E-03
9877	T	A	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9880	T	A	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9893	C	T	COX3	2,60E-01	4,20E-02	2,10E-01	4,90E-02
9896	A	C	COX3	2,00E-01	1,30E-02	1,50E-01	3,50E-02
9911	CG	TA	COX3	2,00E-01	1,30E-02	1,50E-01	3,50E-02
9924	T	G	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
9929	C	T	COX3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
10308	C	T	ND3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
10310	G	A	ND3	2,60E-01	3,30E-02	1,90E-01	7,10E-02
10377	C	T	ND3	1,10E-01	1,30E-02	1,70E-01	3,50E-02
10380	C	T	ND3	7,00E-02	5,90E-03	1,40E-01	2,20E-02
10388	A	G	ND3	7,00E-02	5,90E-03	1,40E-01	2,10E-02
10417	T	C	TRNR	1,10E-01	1,70E-02	2,10E-01	1,20E-02
10589	G	A	ND4L	6,50E-02	1,70E-02	1,20E-01	2,00E-02
10646	G	A	ND4L	1,20E-01	6,30E-02	2,10E-01	2,10E-02

10652	TG	CA	ND4L	1,80E-01	1,10E-01	5,80E-01	3,60E-02
10667	T	C	ND4L	2,60E-01	3,30E-02	1,90E-01	7,10E-02
10670	C	T	ND4L	5,30E-02	4,10E-02	3,10E-01	7,40E-03
10677	G	A	ND4L	7,70E-02	3,30E-02	2,60E-01	1,10E-02
10679	A	G	ND4L	3,40E-02	1,40E-02	2,10E-01	3,20E-03
10685	G	A	ND4L	4,00E-02	3,30E-02	3,70E-01	4,80E-03
10750	A	G	ND4L	1,80E-01	3,20E-02	2,10E-01	2,40E-02
10775	G	A	ND4	2,60E-01	3,50E-02	2,00E-01	4,40E-02
10786	T	C	ND4	4,60E-02	2,80E-03	1,50E-01	3,10E-03
10801	G	A	ND4	4,20E-02	2,20E-03	1,50E-01	2,80E-03
10808	C	T	ND4	7,10E-02	7,30E-03	2,00E-01	5,50E-03
10810	T	C	ND4	1,80E-01	3,60E-02	1,70E-01	1,10E-01
10816	A	G	ND4	2,00E-01	1,30E-02	1,50E-01	3,50E-02
10846	C	T	ND4	1,50E-01	3,30E-02	2,00E-01	3,30E-02
10866	T	C	ND4	1,90E-01	6,30E-02	2,30E-01	4,00E-02
10972	A	C	ND4	1,10E-01	6,60E-03	1,70E-01	1,30E-02
10978	A	C	ND4	4,00E-02	2,60E-01	1,50E-01	1,00E+00

11107	C	T	ND4	2,00E-01	1,30E-02	1,50E-01	3,50E-02
11113	T	C	ND4	2,60E-01	3,30E-02	1,90E-01	7,10E-02
11116	T	C	ND4	2,60E-01	3,30E-02	1,90E-01	7,10E-02
11129	A	G	ND4	7,50E-02	1,30E-02	1,90E-01	8,80E-03
11134	A	G	ND4	2,50E-01	5,90E-02	3,10E-01	4,20E-02
11137	TA	AG	ND4	2,50E-01	5,90E-02	3,10E-01	4,20E-02
11710	C	T	ND4	1,70E-01	2,10E-02	2,00E-01	3,10E-02
11719	G	A	ND4	6,90E-02	4,20E-02	2,10E-01	2,80E-02
11731	A	C	ND4	1,90E-01	4,70E-02	3,30E-01	3,30E-02
11767	C	T	ND4	1,00E-01	6,30E-02	3,40E-01	1,60E-02
11770	T	C	ND4	1,10E-02	3,00E-03	1,40E-01	1,10E-03
11788	C	T	ND4	2,10E-02	7,10E-03	1,70E-01	2,50E-03
11887	G	A	ND4	1,80E-01	1,70E-02	2,00E-01	2,40E-02
11953	C	T	ND4	2,60E-01	3,30E-02	1,90E-01	7,10E-02
11963	G	A	ND4	2,60E-01	6,30E-02	3,20E-01	4,40E-02
12064	C	T	ND4	1,20E-01	7,30E-03	1,70E-01	1,30E-02
12088	C	T	ND4	8,20E-02	2,10E-03	7,60E-02	9,30E-03

12091	T	C	ND4	7,50E-02	3,30E-03	1,50E-01	6,70E-03
12115	C	T	ND4	7,90E-02	5,90E-03	1,90E-01	6,70E-03
12136	T	C	ND4	1,80E-01	3,30E-02	2,10E-01	2,40E-02
12218	C	T	TRNS2	6,10E-02	1,80E-01	1,00E+00	2,10E-02
12341	C	A	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12346	C	T	ND5	1,80E-01	3,30E-02	2,10E-01	3,20E-02
12360	C	A	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12368	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12390	C	T	ND5	2,00E-01	1,30E-02	1,50E-01	3,50E-02
12403	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12684	G	A	ND5	7,40E-02	2,50E-02	3,60E-01	7,40E-03
12687	C	T	ND5	8,30E-02	6,90E-03	1,90E-01	7,40E-03
12702	C	T	ND5	1,90E-01	3,30E-02	2,10E-01	2,60E-02
12714	T	C	ND5	1,70E-01	3,60E-02	3,20E-01	2,10E-02
12750	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12786	A	G	ND5	2,00E-01	1,30E-02	1,50E-01	3,50E-02
12789	C	T	ND5	2,00E-01	1,30E-02	1,50E-01	3,50E-02

12793	T	C	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12802	A	G	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12825	T	C	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
12873	T	C	ND5	2,30E-01	6,30E-02	5,20E-01	4,00E-02
12879	T	C	ND5	7,10E-02	3,00E-03	1,40E-01	6,20E-03
12892	T	C	ND5	2,20E-01	6,30E-02	5,10E-01	3,90E-02
13020	T	C	ND5	1,30E-01	1,30E-02	2,00E-01	1,40E-02
13034	T	C	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13062	A	G	ND5	1,80E-01	4,20E-02	3,50E-01	2,40E-02
13095	T	C	ND5	1,70E-01	3,60E-02	3,20E-01	2,20E-02
13118	T	A	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13132	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13145	G	A	ND5	4,00E-02	5,00E-01	4,20E-01	7,20E-02
13164	A	C	ND5	5,70E-03	4,50E-01	1,10E-01	4,00E-01
13191	T	C	ND5	2,20E-01	6,30E-02	4,90E-01	3,80E-02
13197	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13215	T	C	ND5	2,60E-01	6,30E-02	3,70E-01	4,90E-02

13226	A	C	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13227	C	T	ND5	1,30E-01	1,60E-02	2,00E-01	1,50E-02
13242	A	G	ND5	4,60E-02	2,20E-01	8,10E-01	3,00E-02
13251	C	T	ND5	1,40E-01	5,00E-02	2,50E-01	2,40E-02
13260	T	C	ND5	8,00E-03	6,30E-02	9,90E-01	3,50E-03
13264	C	T	ND5	1,00E-01	3,30E-02	2,10E-01	1,50E-02
13272	C	T	ND5	4,60E-02	1,80E-01	8,50E-01	2,40E-02
13275	AA	GG	ND5	1,50E-01	3,30E-02	1,90E-01	4,30E-02
13281	T	C	ND5	7,30E-03	2,00E-02	5,60E-01	9,70E-04
13303	C	T	ND5	1,80E-01	1,30E-01	8,30E-01	4,40E-02
13359	G	A	ND5	2,50E-02	2,00E-01	1,00E+00	1,30E-02
13386	T	C	ND5	6,10E-02	3,00E-01	1,00E+00	2,50E-02
13466	G	A	ND5	1,10E-01	8,30E-02	8,30E-01	2,50E-02
13474	T	C	ND5	8,00E-02	6,30E-02	5,60E-01	1,30E-02
13476	A	T	ND5	9,00E-02	1,90E-02	2,00E-01	1,40E-02
13476	A	G	ND5	6,10E-02	5,80E-02	7,10E-01	9,60E-03
13488	T	C	ND5	4,10E-03	1,90E-03	2,00E-01	2,20E-04

13517	A	T	ND5	1,80E-01	1,40E-01	7,00E-01	4,20E-02
13548	A	C	ND5	1,10E-01	8,90E-02	7,00E-01	2,00E-02
13581	T	C	ND5	9,50E-03	5,30E-02	8,20E-01	1,90E-03
13584	C	T	ND5	4,00E-02	5,80E-03	1,50E-01	3,90E-03
13600	T	A	ND5	1,00E-01	3,30E-02	2,10E-01	1,30E-02
13614	A	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13618	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13627	C	T	ND5	2,00E-01	1,30E-02	1,50E-01	3,50E-02
13635	T	C	ND5	1,60E-01	6,20E-02	2,70E-01	2,80E-02
13635	T	A	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13636	C	CA	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13650	C	A	ND5	1,80E-01	1,50E-01	7,70E-01	3,90E-02
13651	A	G	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13674	T	C	ND5	7,10E-02	7,30E-02	8,80E-01	1,80E-02
13763	C	A	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
13804	G	A	ND5	2,60E-01	3,60E-02	2,00E-01	4,50E-02
13816	A	C	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02

13886	T	C	ND5	1,50E-02	1,70E-01	1,00E+00	1,80E-02
13908	C	T	ND5	2,60E-01	3,30E-02	1,90E-01	7,10E-02
14149	C	T	ND6	1,20E-01	7,20E-03	1,70E-01	1,30E-02
14170	A	T	ND6	2,60E-01	6,30E-02	3,40E-01	4,60E-02
14172	T	G	ND6	2,60E-01	6,30E-02	3,50E-01	4,70E-02
14182	T	C	ND6	2,00E-01	4,50E-02	3,10E-01	3,50E-02
14280	A	G	ND6	4,00E-02	9,30E-03	2,10E-01	3,30E-03
14305	G	A	ND6	1,60E-02	6,30E-02	9,10E-01	4,80E-03
14311	T	C	ND6	1,30E-01	1,80E-01	1,00E+00	4,20E-02
14323	G	A	ND6	3,90E-02	1,80E-01	8,40E-01	2,10E-02
14362	C	T	ND6	3,80E-02	2,00E-01	8,10E-01	2,40E-02
14364	G	A	ND6	2,60E-02	2,60E-01	6,70E-01	2,60E-02
14368	C	T	ND6	4,00E-02	2,40E-01	7,70E-01	2,90E-02
14467	A	G	ND6	2,60E-01	3,80E-02	1,80E-01	1,10E-01
14470	T	C	ND6	2,20E-01	4,20E-02	2,30E-01	4,20E-02
14494	T	C	ND6	1,80E-01	3,30E-02	2,10E-01	2,50E-02
14524	A	G	ND6	1,30E-01	5,30E-03	1,10E-01	1,90E-02

14536	AA	GT	ND6	2,60E-01	3,30E-02	1,90E-01	7,10E-02
14562	C	T	ND6	2,60E-01	3,30E-02	1,90E-01	7,10E-02
14608	C	T	ND6	2,60E-01	3,30E-02	1,90E-01	7,10E-02
14668	CA	TG	ND6	2,60E-01	6,30E-02	3,20E-01	4,40E-02
14757	T	C	CYTB	1,30E-01	1,70E-01	9,50E-01	4,40E-02
14774	C	T	CYTB	1,40E-01	1,30E-02	1,50E-01	3,30E-02
14776	A	G	CYTB	8,70E-02	5,30E-03	1,20E-01	1,90E-02
14793	A	G	CYTB	1,90E-01	3,30E-02	2,10E-01	3,50E-02
14798	T	C	CYTB	2,60E-01	3,30E-02	1,90E-01	7,10E-02
14800	C	T	CYTB	3,60E-02	6,30E-02	8,30E-01	9,30E-03
14854	C	T	CYTB	1,20E-01	2,10E-02	2,10E-01	1,70E-02
14860	C	T	CYTB	2,20E-01	3,40E-02	2,00E-01	5,00E-02
14871	T	C	CYTB	2,20E-01	3,30E-02	1,90E-01	6,90E-02
14873	C	A	CYTB	1,20E-01	7,40E-03	1,10E-01	4,20E-02
14875	C	T	CYTB	4,30E-02	1,50E-03	6,70E-02	1,30E-02
14881	C	G	CYTB	2,60E-01	4,10E-02	1,80E-01	1,10E-01
14883	CC	TT	CYTB	2,60E-01	3,30E-02	1,90E-01	7,10E-02

14911	C	A	CYTB	2,60E-01	6,30E-02	3,30E-01	4,50E-02
14923	C	T	CYTB	1,30E-01	4,20E-02	4,40E-01	2,00E-02
14935	T	C	CYTB	3,70E-02	3,90E-02	6,90E-01	6,00E-03
14941	A	G	CYTB	1,10E-01	7,40E-03	1,50E-01	2,40E-02
14998	C	T	CYTB	2,60E-01	6,30E-02	3,50E-01	4,70E-02
15019	T	C	CYTB	2,10E-02	4,10E-02	6,60E-01	3,80E-03
15043	G	C	CYTB	3,50E-02	6,30E-02	7,80E-01	8,30E-03
15061	A	C	CYTB	8,30E-02	2,30E-01	9,30E-01	3,60E-02
15074	TC	CT	CYTB	9,90E-02	9,30E-02	8,10E-01	2,40E-02
15077	G	A	CYTB	2,60E-01	3,30E-02	1,90E-01	7,10E-02
15298	CT	TC	CYTB	2,60E-01	6,30E-02	3,30E-01	4,50E-02
15346	G	A	CYTB	9,50E-02	2,60E-01	8,30E-01	4,50E-02
15596	G	A	CYTB	1,80E-01	1,70E-02	2,00E-01	2,40E-02
15598	C	T	CYTB	2,60E-01	3,90E-02	2,00E-01	4,60E-02
15601	T	C	CYTB	2,60E-01	3,90E-02	2,00E-01	4,60E-02
15604	C	T	CYTB	2,60E-01	3,70E-02	2,00E-01	4,50E-02
15617	G	A	CYTB	1,30E-01	5,30E-03	1,10E-01	1,90E-02

15619	C	T	CYTB	1,20E-01	7,20E-03	1,70E-01	1,30E-02
15622	T	A	CYTB	1,80E-01	1,70E-02	2,00E-01	2,40E-02
15622	T	C	CYTB	2,60E-01	3,30E-02	1,90E-01	7,10E-02
15628	AT	TC	CYTB	1,10E-01	7,10E-03	1,70E-01	1,30E-02
15653	AT	GC	CYTB	4,40E-02	2,50E-03	1,50E-01	2,80E-03
15658	C	T	CYTB	4,30E-02	2,30E-03	1,50E-01	2,80E-03
15661	C	T	CYTB	7,40E-02	5,30E-03	1,90E-01	6,30E-03
15664	C	A	CYTB	7,40E-02	5,30E-03	1,90E-01	6,30E-03
15699	G	A	CYTB	1,50E-01	1,60E-02	2,00E-01	2,70E-02
15704	C	T	CYTB	1,50E-01	1,60E-02	2,00E-01	2,70E-02
15714	CA	TC	CYTB	9,50E-02	7,10E-03	1,10E-01	3,40E-02
15718	T	A	CYTB	9,60E-02	7,20E-03	1,10E-01	3,40E-02
15725	C	T	CYTB	1,50E-01	1,60E-02	1,50E-01	6,30E-02
15734	G	A	CYTB	9,00E-02	5,30E-03	1,30E-01	1,90E-02
15745	C	T	CYTB	1,40E-01	1,30E-02	1,50E-01	3,30E-02
15747	TT	CC	CYTB	1,40E-01	1,30E-02	1,50E-01	3,30E-02
15760	C	T	CYTB	7,10E-02	2,90E-03	7,10E-02	2,00E-02

15775	A	G	CYTB	7,10E-02	2,90E-03	7,10E-02	2,10E-02
15777	G	A	CYTB	7,10E-02	2,90E-03	7,10E-02	2,10E-02
15786	T	TCAC	CYTB	7,10E-02	3,00E-03	7,10E-02	2,10E-02
15793	CATT	C	CYTB	7,20E-02	3,00E-03	7,10E-02	2,20E-02
15812	G	A	CYTB	2,60E-01	3,30E-02	1,90E-01	7,10E-02
15924	A	G	TRNT	2,60E-01	3,30E-02	1,90E-01	7,10E-02
16034	G	A	NA	3,40E-02	2,00E-01	1,00E+00	2,80E-02
16035	G	A	NA	2,70E-03	9,50E-02	1,00E+00	5,30E-03
16036	G	A	NA	7,20E-03	1,20E-01	1,00E+00	9,70E-03
16093	T	C	NA	1,40E-01	1,40E-02	1,90E-01	2,50E-02
16124	T	C	NA	1,30E-02	9,50E-02	9,70E-01	1,30E-02
16218	C	T	NA	6,20E-03	6,30E-01	2,90E-01	3,80E-02
16230	A	G	NA	1,30E-02	3,50E-01	6,40E-01	1,90E-02
16249	T	C	NA	9,90E-03	5,70E-01	3,70E-01	3,60E-02
16257	C	CA	NA	9,30E-03	8,00E-01	2,20E-01	6,90E-02
16263	TC	T	NA	9,50E-03	7,20E-01	2,20E-01	6,70E-02
16265	A	T	NA	2,60E-01	3,30E-02	1,90E-01	7,10E-02

16284	A	G	NA	1,50E-02	9,70E-01	2,00E-01	1,10E-01
16288	T	C	NA	1,70E-02	9,90E-01	2,00E-01	1,10E-01
16290	C	T	NA	2,70E-02	4,00E-01	1,80E-01	4,30E-01
16293	A	C	NA	1,60E-02	9,10E-01	2,00E-01	1,30E-01
16293	A	G	NA	7,10E-02	6,50E-03	7,10E-02	7,10E-02
16301	C	T	NA	4,70E-02	9,90E-01	2,60E-01	1,30E-01

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Supplementary Table S8: Variant annotation.

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Pos	Ref	Alt	Csq	dbSNP155 id	Uniprot name	Uniprot id	AA pos	AA ref	AA alt
106	G	A	INT	NA	NA	NA	NA	NA	NA
159	T	G	INT	NA	NA	NA	NA	NA	NA
163	G	A	INT	NA	NA	NA	NA	NA	NA
180	TA	CC	INT	NA	NA	NA	NA	NA	NA
185	G	A	INT	NA	NA	NA	NA	NA	NA
302	A	AC	INT	NA	NA	NA	NA	NA	NA
310	T	TC	INT	NA	NA	NA	NA	NA	NA

310	T	C	INT	NA	NA	NA	NA	NA	NA
318	T	C	INT	NA	NA	NA	NA	NA	NA
322	G	T	INT	NA	NA	NA	NA	NA	NA
456	C	T	INT	NA	NA	NA	NA	NA	NA
493	A	G	INT	NA	NA	NA	NA	NA	NA
499	G	C	INT	NA	NA	NA	NA	NA	NA
564	G	A	INT	NA	NA	NA	NA	NA	NA
750	A	G	INT	NA	NA	NA	NA	NA	NA
756	C	T	INT	NA	NA	NA	NA	NA	NA
764	ACG	A	INT	NA	NA	NA	NA	NA	NA
766	GCAGC	G	INT	NA	NA	NA	NA	NA	NA
769	GC	TT	INT	NA	NA	NA	NA	NA	NA
769	GC	CA	INT	NA	NA	NA	NA	NA	NA
809	G	A	INT	NA	NA	NA	NA	NA	NA
813	A	G	INT	NA	NA	NA	NA	NA	NA
825	T	A	INT	NA	NA	NA	NA	NA	NA
828	C	T	INT	NA	NA	NA	NA	NA	NA

843	G	A	INT	NA	NA	NA	NA	NA	NA
870	C	T	INT	NA	NA	NA	NA	NA	NA
877	G	C	INT	NA	NA	NA	NA	NA	NA
880	C	T	INT	NA	NA	NA	NA	NA	NA
883	T	G	INT	NA	NA	NA	NA	NA	NA
906	C	T	INT	NA	NA	NA	NA	NA	NA
917	CA	TG	INT	NA	NA	NA	NA	NA	NA
921	TC	CT	INT	NA	NA	NA	NA	NA	NA
921	T	C	INT	NA	NA	NA	NA	NA	NA
930	GC	CT	INT	NA	NA	NA	NA	NA	NA
933	G	A	INT	NA	NA	NA	NA	NA	NA
964	C	CT	INT	NA	NA	NA	NA	NA	NA
1009	C	T	INT	NA	NA	NA	NA	NA	NA
1039	AT	GC	INT	NA	NA	NA	NA	NA	NA
1104	A	C	INT	NA	NA	NA	NA	NA	NA
1106	CTC	TAT	INT	NA	NA	NA	NA	NA	NA
1111	C	T	INT	NA	NA	NA	NA	NA	NA

1120	C	T	INT	NA	NA	NA	NA	NA	NA
1128	CTG	C	INT	NA	NA	NA	NA	NA	NA
1128	C	CAA	INT	NA	NA	NA	NA	NA	NA
1129	TGC	T	INT	NA	NA	NA	NA	NA	NA
1131	C	CAT	INT	NA	NA	NA	NA	NA	NA
1133	CG	TA	INT	NA	NA	NA	NA	NA	NA
1141	C	T	INT	NA	NA	NA	NA	NA	NA
1147	G	A	INT	NA	NA	NA	NA	NA	NA
1151	C	A	INT	NA	NA	NA	NA	NA	NA
1156	C	G	INT	NA	NA	NA	NA	NA	NA
1173	C	T	INT	NA	NA	NA	NA	NA	NA
1178	G	A	INT	NA	NA	NA	NA	NA	NA
1185	C	T	INT	NA	NA	NA	NA	NA	NA
1197	G	A	INT	NA	NA	NA	NA	NA	NA
1211	G	A	INT	NA	NA	NA	NA	NA	NA
1217	G	A	INT	NA	NA	NA	NA	NA	NA
1220	A	G	INT	NA	NA	NA	NA	NA	NA

1226	C	T	INT	NA	NA	NA	NA	NA	NA
1227	G	A	INT	NA	NA	NA	NA	NA	NA
1228	AT	A	INT	NA	NA	NA	NA	NA	NA
1230	CA	TT	INT	NA	NA	NA	NA	NA	NA
1240	A	G	INT	NA	NA	NA	NA	NA	NA
1247	G	GCC	INT	NA	NA	NA	NA	NA	NA
1249	T	C	INT	NA	NA	NA	NA	NA	NA
1253	C	A	INT	NA	NA	NA	NA	NA	NA
1257	T	A	INT	NA	NA	NA	NA	NA	NA
1261	CC	GG	INT	NA	NA	NA	NA	NA	NA
1263	G	T	INT	NA	NA	NA	NA	NA	NA
1281	TG	T	INT	NA	NA	NA	NA	NA	NA
1282	GAT	G	INT	NA	NA	NA	NA	NA	NA
1284	TG	AA	INT	NA	NA	NA	NA	NA	NA
1285	G	GA	INT	NA	NA	NA	NA	NA	NA
1289	GC	TT	INT	NA	NA	NA	NA	NA	NA
1290	C	T	INT	NA	NA	NA	NA	NA	NA

1291	T	C	INT	NA	NA	NA	NA	NA	NA
1291	TA	CG	INT	NA	NA	NA	NA	NA	NA
1292	A	G	INT	NA	NA	NA	NA	NA	NA
1293	C	T	INT	NA	NA	NA	NA	NA	NA
1295	A	G	INT	NA	NA	NA	NA	NA	NA
1303	G	A	INT	NA	NA	NA	NA	NA	NA
1310	C	T	INT	NA	NA	NA	NA	NA	NA
1311	C	CTA	INT	NA	NA	NA	NA	NA	NA
1311	C	A	INT	NA	NA	NA	NA	NA	NA
1312	C	T	INT	NA	NA	NA	NA	NA	NA
1314	CGT	C	INT	NA	NA	NA	NA	NA	NA
1315	G	A	INT	NA	NA	NA	NA	NA	NA
1320	G	A	INT	NA	NA	NA	NA	NA	NA
1323	G	T	INT	NA	NA	NA	NA	NA	NA
1362	GC	G	INT	NA	NA	NA	NA	NA	NA
1364	T	A	INT	NA	NA	NA	NA	NA	NA
1367	A	G	INT	NA	NA	NA	NA	NA	NA

1375	C	CA	INT	NA	NA	NA	NA	NA	NA
1376	CC	TT	INT	NA	NA	NA	NA	NA	NA
1376	C	T	INT	NA	NA	NA	NA	NA	NA
1384	ACT	A	INT	NA	NA	NA	NA	NA	NA
1387	A	ATGTCG	INT	NA	NA	NA	NA	NA	NA
1388	C	T	INT	NA	NA	NA	NA	NA	NA
1391	T	C	INT	NA	NA	NA	NA	NA	NA
1393	GC	G	INT	NA	NA	NA	NA	NA	NA
1393	G	A	INT	NA	NA	NA	NA	NA	NA
1396	C	G	INT	NA	NA	NA	NA	NA	NA
1398	T	G	INT	NA	NA	NA	NA	NA	NA
1405	CT	TC	INT	NA	NA	NA	NA	NA	NA
1405	C	T	INT	NA	NA	NA	NA	NA	NA
1412	G	GC	INT	NA	NA	NA	NA	NA	NA
1413	TCG	T	INT	NA	NA	NA	NA	NA	NA
1414	CG	C	INT	NA	NA	NA	NA	NA	NA
1420	T	A	INT	NA	NA	NA	NA	NA	NA

1431	G	A	INT	NA	NA	NA	NA	NA	NA
1436	C	T	INT	NA	NA	NA	NA	NA	NA
1437	T	C	INT	NA	NA	NA	NA	NA	NA
1438	A	G	INT	NA	NA	NA	NA	NA	NA
1443	T	C	INT	NA	NA	NA	NA	NA	NA
1450	C	T	INT	NA	NA	NA	NA	NA	NA
1453	A	G	INT	NA	NA	NA	NA	NA	NA
1454	G	A	INT	NA	NA	NA	NA	NA	NA
1460	C	T	INT	NA	NA	NA	NA	NA	NA
1462	G	A	INT	NA	NA	NA	NA	NA	NA
1466	CC	TA	INT	NA	NA	NA	NA	NA	NA
1467	C	A	INT	NA	NA	NA	NA	NA	NA
1469	G	A	INT	NA	NA	NA	NA	NA	NA
1474	G	A	INT	NA	NA	NA	NA	NA	NA
1476	GT	AC	INT	NA	NA	NA	NA	NA	NA
1477	T	C	INT	NA	NA	NA	NA	NA	NA
1485	G	A	INT	NA	NA	NA	NA	NA	NA

1556	C	T	INT	NA	NA	NA	NA	NA	NA
1597	C	T	INT	NA	NA	NA	NA	NA	NA
1604	GA	AG	INT	NA	NA	NA	NA	NA	NA
1626	C	T	INT	NA	NA	NA	NA	NA	NA
1628	CAA	TGT	INT	NA	NA	NA	NA	NA	NA
1637	CTTAGG	C	INT	NA	NA	NA	NA	NA	NA
1642	G	A	INT	NA	NA	NA	NA	NA	NA
1651	A	C	INT	NA	NA	NA	NA	NA	NA
1653	T	A	INT	NA	NA	NA	NA	NA	NA
1654	T	C	INT	NA	NA	NA	NA	NA	NA
1657	C	T	INT	NA	NA	NA	NA	NA	NA
1664	G	A	INT	NA	NA	NA	NA	NA	NA
1666	TC	CT	INT	NA	NA	NA	NA	NA	NA
1673	T	C	RNA	NA	NA	NA	NA	NA	NA
1693	C	T	RNA	NA	NA	NA	NA	NA	NA
1808	AT	GC	RNA	NA	NA	NA	NA	NA	NA
1824	T	C	RNA	NA	NA	NA	NA	NA	NA

1874	A	T	RNA	NA	NA	NA	NA	NA	NA
1882	AG	TA	RNA	NA	NA	NA	NA	NA	NA
1883	G	A	RNA	NA	NA	NA	NA	NA	NA
1888	G	A	RNA	NA	NA	NA	NA	NA	NA
1896	T	C	RNA	NA	NA	NA	NA	NA	NA
1900	A	G	RNA	NA	NA	NA	NA	NA	NA
1905	CG	TA	RNA	NA	NA	NA	NA	NA	NA
1924	T	C	RNA	NA	NA	NA	NA	NA	NA
1934	T	G	RNA	NA	NA	NA	NA	NA	NA
1949	G	A	RNA	NA	NA	NA	NA	NA	NA
1959	C	T	RNA	NA	NA	NA	NA	NA	NA
1971	A	G	RNA	NA	NA	NA	NA	NA	NA
1975	T	A	RNA	NA	NA	NA	NA	NA	NA
1977	T	C	RNA	NA	NA	NA	NA	NA	NA
1979	TAGGTA	T	RNA	NA	NA	NA	NA	NA	NA
1986	A	T	RNA	NA	NA	NA	NA	NA	NA
1987	G	GCA	RNA	NA	NA	NA	NA	NA	NA

1989	C	CAGT	RNA	NA	NA	NA	NA	NA	NA
1989	C	T	RNA	NA	NA	NA	NA	NA	NA
1992	C	T	RNA	NA	NA	NA	NA	NA	NA
1994	AA	CG	RNA	NA	NA	NA	NA	NA	NA
1995	A	G	RNA	NA	NA	NA	NA	NA	NA
1999	A	C	RNA	NA	NA	NA	NA	NA	NA
2001	C	T	RNA	NA	NA	NA	NA	NA	NA
2002	G	A	RNA	NA	NA	NA	NA	NA	NA
2008	G	A	RNA	NA	NA	NA	NA	NA	NA
2016	CT	C	RNA	NA	NA	NA	NA	NA	NA
2030	T	C	RNA	NA	NA	NA	NA	NA	NA
2053	T	C	RNA	NA	NA	NA	NA	NA	NA
2056	G	A	RNA	NA	NA	NA	NA	NA	NA
2059	C	T	RNA	NA	NA	NA	NA	NA	NA
2065	ACCC	A	RNA	NA	NA	NA	NA	NA	NA
2071	T	C	RNA	NA	NA	NA	NA	NA	NA
2080	T	C	RNA	NA	NA	NA	NA	NA	NA

2162	C	T	RNA	NA	NA	NA	NA	NA	NA
2168	T	C	RNA	NA	NA	NA	NA	NA	NA
2218	C	CTGT	RNA	NA	NA	NA	NA	NA	NA
2220	AC	A	RNA	NA	NA	NA	NA	NA	NA
2222	TA	T	RNA	NA	NA	NA	NA	NA	NA
2222	TAC	T	RNA	NA	NA	NA	NA	NA	NA
2224	C	CGT	RNA	NA	NA	NA	NA	NA	NA
2242	T	C	RNA	NA	NA	NA	NA	NA	NA
2244	T	C	RNA	NA	NA	NA	NA	NA	NA
2251	A	G	RNA	NA	NA	NA	NA	NA	NA
2257	C	T	RNA	NA	NA	NA	NA	NA	NA
2257	CA	TG	RNA	NA	NA	NA	NA	NA	NA
2262	C	T	RNA	NA	NA	NA	NA	NA	NA
2280	C	T	RNA	NA	NA	NA	NA	NA	NA
2284	C	T	RNA	NA	NA	NA	NA	NA	NA
2294	A	G	RNA	NA	NA	NA	NA	NA	NA
2343	G	A	RNA	NA	NA	NA	NA	NA	NA

2345	G	A	RNA	NA	NA	NA	NA	NA	NA
2351	TT	CC	RNA	NA	NA	NA	NA	NA	NA
2357	C	T	RNA	NA	NA	NA	NA	NA	NA
2359	C	T	RNA	NA	NA	NA	NA	NA	NA
2361	G	A	RNA	NA	NA	NA	NA	NA	NA
2404	T	C	RNA	NA	NA	NA	NA	NA	NA
2423	C	T	RNA	NA	NA	NA	NA	NA	NA
2442	T	C	RNA	NA	NA	NA	NA	NA	NA
2445	T	C	RNA	NA	NA	NA	NA	NA	NA
2523	C	T	RNA	NA	NA	NA	NA	NA	NA
2525	C	T	RNA	NA	NA	NA	NA	NA	NA
2541	CG	C	RNA	NA	NA	NA	NA	NA	NA
2541	C	T	RNA	NA	NA	NA	NA	NA	NA
2541	CGC	TAT	RNA	NA	NA	NA	NA	NA	NA
2546	G	GTC	RNA	NA	NA	NA	NA	NA	NA
2550	A	G	RNA	NA	NA	NA	NA	NA	NA
2557	C	T	RNA	NA	NA	NA	NA	NA	NA

2560	G	A	RNA	NA	NA	NA	NA	NA	NA
2563	T	C	RNA	NA	NA	NA	NA	NA	NA
2566	C	T	RNA	NA	NA	NA	NA	NA	NA
2567	G	A	RNA	NA	NA	NA	NA	NA	NA
2569	CC	TG	RNA	NA	NA	NA	NA	NA	NA
2570	C	T	RNA	NA	NA	NA	NA	NA	NA
2571	G	A	RNA	NA	NA	NA	NA	NA	NA
2572	C	T	RNA	NA	NA	NA	NA	NA	NA
2573	G	A	RNA	NA	NA	NA	NA	NA	NA
2573	G	C	RNA	NA	NA	NA	NA	NA	NA
2577	C	T	RNA	NA	NA	NA	NA	NA	NA
2581	A	G	RNA	NA	NA	NA	NA	NA	NA
2588	CA	C	RNA	NA	NA	NA	NA	NA	NA
2589	A	G	RNA	NA	NA	NA	NA	NA	NA
2590	A	C	RNA	NA	NA	NA	NA	NA	NA
2612	CT	TC	RNA	NA	NA	NA	NA	NA	NA
2613	T	C	RNA	NA	NA	NA	NA	NA	NA

2617	A	G	RNA	NA	NA	NA	NA	NA	NA
2625	C	T	RNA	NA	NA	NA	NA	NA	NA
2628	T	A	RNA	NA	NA	NA	NA	NA	NA
2636	GCT	G	RNA	NA	NA	NA	NA	NA	NA
2637	C	T	RNA	NA	NA	NA	NA	NA	NA
2638	TC	CA	RNA	NA	NA	NA	NA	NA	NA
2639	C	A	RNA	NA	NA	NA	NA	NA	NA
2642	C	T	RNA	NA	NA	NA	NA	NA	NA
2643	G	A	RNA	NA	NA	NA	NA	NA	NA
2643	G	C	RNA	NA	NA	NA	NA	NA	NA
2645	G	A	RNA	NA	NA	NA	NA	NA	NA
2647	G	A	RNA	NA	NA	NA	NA	NA	NA
2655	GTC	G	RNA	NA	NA	NA	NA	NA	NA
2666	TT	CC	RNA	NA	NA	NA	NA	NA	NA
2667	T	C	RNA	NA	NA	NA	NA	NA	NA
2670	C	T	RNA	NA	NA	NA	NA	NA	NA
2679	T	C	RNA	NA	NA	NA	NA	NA	NA

2683	C	T	RNA	NA	NA	NA	NA	NA	NA
2686	G	A	RNA	NA	NA	NA	NA	NA	NA
2686	GC	AT	RNA	NA	NA	NA	NA	NA	NA
2690	G	A	RNA	NA	NA	NA	NA	NA	NA
2697	GG	AA	RNA	NA	NA	NA	NA	NA	NA
2701	GGC	G	RNA	NA	NA	NA	NA	NA	NA
2702	GC	AT	RNA	NA	NA	NA	NA	NA	NA
2705	T	TG	RNA	NA	NA	NA	NA	NA	NA
2706	A	G	RNA	NA	NA	NA	NA	NA	NA
2708	C	T	RNA	NA	NA	NA	NA	NA	NA
2709	AC	A	RNA	NA	NA	NA	NA	NA	NA
2710	C	T	RNA	NA	NA	NA	NA	NA	NA
2712	GC	AT	RNA	NA	NA	NA	NA	NA	NA
2714	A	AATAAG	RNA	NA	NA	NA	NA	NA	NA
2717	ACG	A	RNA	NA	NA	NA	NA	NA	NA
2718	C	T	RNA	NA	NA	NA	NA	NA	NA
2744	T	C	RNA	NA	NA	NA	NA	NA	NA

2778	T	C	RNA	NA	NA	NA	NA	NA	NA
2864	TC	AT	RNA	NA	NA	NA	NA	NA	NA
2868	C	A	RNA	NA	NA	NA	NA	NA	NA
2877	C	T	INT	NA	NA	NA	NA	NA	NA
2881	C	T	INT	NA	NA	NA	NA	NA	NA
2884	CTA	C	INT	NA	NA	NA	NA	NA	NA
2887	T	C	INT	NA	NA	NA	NA	NA	NA
2889	C	CGT	INT	NA	NA	NA	NA	NA	NA
2891	C	T	INT	NA	NA	NA	NA	NA	NA
2898	T	C	INT	NA	NA	NA	NA	NA	NA
2911	C	T	INT	NA	NA	NA	NA	NA	NA
2915	C	T	INT	NA	NA	NA	NA	NA	NA
2920	C	T	INT	NA	NA	NA	NA	NA	NA
2933	G	T	INT	NA	NA	NA	NA	NA	NA
2942	CG	TA	INT	NA	NA	NA	NA	NA	NA
2953	T	A	INT	NA	NA	NA	NA	NA	NA
2958	A	G	INT	NA	NA	NA	NA	NA	NA

2964	T	C	INT	NA	NA	NA	NA	NA	NA
2968	A	G	INT	NA	NA	NA	NA	NA	NA
2972	A	G	INT	NA	NA	NA	NA	NA	NA
2976	G	A	INT	NA	NA	NA	NA	NA	NA
2976	GG	CA	INT	NA	NA	NA	NA	NA	NA
2980	T	A	INT	NA	NA	NA	NA	NA	NA
2983	G	T	INT	NA	NA	NA	NA	NA	NA
2983	G	A	INT	NA	NA	NA	NA	NA	NA
2985	C	T	INT	NA	NA	NA	NA	NA	NA
3009	CG	TA	INT	NA	NA	NA	NA	NA	NA
3016	G	GT	INT	NA	NA	NA	NA	NA	NA
3017	C	T	INT	NA	NA	NA	NA	NA	NA
3018	AG	A	INT	NA	NA	NA	NA	NA	NA
3029	AA	GG	INT	NA	NA	NA	NA	NA	NA
3030	A	G	INT	NA	NA	NA	NA	NA	NA
3035	C	T	INT	NA	NA	NA	NA	NA	NA
3036	G	A	INT	NA	NA	NA	NA	NA	NA

3046	C	T	INT	NA	NA	NA	NA	NA	NA
3047	G	A	INT	NA	NA	NA	NA	NA	NA
3060	C	T	INT	NA	NA	NA	NA	NA	NA
3068	G	C	INT	NA	NA	NA	NA	NA	NA
3079	G	A	INT	NA	NA	NA	NA	NA	NA
3093	C	T	INT	NA	NA	NA	NA	NA	NA
3104	TAC	T	INT	NA	NA	NA	NA	NA	NA
3170	C	T	INT	NA	NA	NA	NA	NA	NA
3176	A	G	INT	NA	NA	NA	NA	NA	NA
3250	T	C	RNA	NA	NA	NA	NA	NA	NA
3253	T	C	RNA	NA	NA	NA	NA	NA	NA
3254	C	T	RNA	NA	NA	NA	NA	NA	NA
3263	C	T	RNA	NA	NA	NA	NA	NA	NA
3275	C	T	RNA	NA	NA	NA	NA	NA	NA
3277	G	A	RNA	NA	NA	NA	NA	NA	NA
3290	TT	CC	RNA	NA	NA	NA	NA	NA	NA
3342	C	T	RNA	NA	NA	NA	NA	NA	NA

3345	T	C	RNA	NA	NA	NA	NA	NA	NA
3565	A	C	RNA	.	NU1M	P03886	87	T	P
3579	A	C	RNA	.	NU1M	P03886	91	M	I
3687	C	T	RNA	NA	NA	NA	NA	NA	NA
3703	C	T	RNA	NA	NA	NA	NA	NA	NA
3954	C	T	RNA	NA	NA	NA	NA	NA	NA
4113	G	A	RNA	NA	NA	NA	NA	NA	NA
4498	AC	A	RNA	NA	NA	NA	NA	NA	NA
4655	G	A	RNA	NA	NA	NA	NA	NA	NA
4847	C	T	RNA	NA	NA	NA	NA	NA	NA
4859	T	C	RNA	NA	NA	NA	NA	NA	NA
5262	G	A	RNA	.	NU2M	P03891	265	A	T
5474	A	G	RNA	NA	NA	NA	NA	NA	NA
5648	A	G	INT	NA	NA	NA	NA	NA	NA
5667	G	T	INT	NA	NA	NA	NA	NA	NA
5681	C	T	INT	NA	NA	NA	NA	NA	NA
5734	T	C	INT	NA	NA	NA	NA	NA	NA

5754	GC	G	INT	NA	NA	NA	NA	NA	NA
5755	CG	C	INT	NA	NA	NA	NA	NA	NA
5768	G	A	INT	NA	NA	NA	NA	NA	NA
5774	T	A	INT	NA	NA	NA	NA	NA	NA
5781	C	G	INT	NA	NA	NA	NA	NA	NA
5790	C	T	INT	NA	NA	NA	NA	NA	NA
5806	T	C	INT	NA	NA	NA	NA	NA	NA
5810	A	AG	INT	NA	NA	NA	NA	NA	NA
5821	G	A	INT	NA	NA	NA	NA	NA	NA
5840	C	T	INT	NA	NA	NA	NA	NA	NA
5840	C	CT	INT	NA	NA	NA	NA	NA	NA
5842	A	G	INT	NA	NA	NA	NA	NA	NA
5846	C	T	INT	NA	NA	NA	NA	NA	NA
6176	TA	CG	RNA	NA	NA	NA	NA	NA	NA
6182	G	A	RNA	NA	NA	NA	NA	NA	NA
6185	T	C	RNA	NA	NA	NA	NA	NA	NA
6197	C	T	RNA	NA	NA	NA	NA	NA	NA

6216	T	C	RNA	NA	NA	NA	NA	NA	NA
6224	C	T	RNA	NA	NA	NA	NA	NA	NA
6226	CT	C	RNA	NA	NA	NA	NA	NA	NA
6229	TCC	T	RNA	NA	NA	NA	NA	NA	NA
6233	A	C	RNA	NA	NA	NA	NA	NA	NA
6236	C	T	RNA	NA	NA	NA	NA	NA	NA
6242	C	T	RNA	NA	NA	NA	NA	NA	NA
6251	T	C	RNA	NA	NA	NA	NA	NA	NA
6266	A	C	RNA	NA	NA	NA	NA	NA	NA
6266	A	T	RNA	NA	NA	NA	NA	NA	NA
6269	A	C	RNA	NA	NA	NA	NA	NA	NA
6326	C	T	RNA	NA	NA	NA	NA	NA	NA
6335	C	T	RNA	NA	NA	NA	NA	NA	NA
6353	A	G	RNA	NA	NA	NA	NA	NA	NA
6356	C	T	RNA	NA	NA	NA	NA	NA	NA
6452	C	T	RNA	NA	NA	NA	NA	NA	NA
6488	T	C	RNA	NA	NA	NA	NA	NA	NA

6494	A	C	RNA	NA	NA	NA	NA	NA	NA
6497	T	C	RNA	NA	NA	NA	NA	NA	NA
6500	C	T	RNA	NA	NA	NA	NA	NA	NA
6503	A	C	RNA	NA	NA	NA	NA	NA	NA
6509	A	G	RNA	NA	NA	NA	NA	NA	NA
6521	C	T	RNA	NA	NA	NA	NA	NA	NA
6524	T	C	RNA	NA	NA	NA	NA	NA	NA
6528	C	T	RNA	NA	NA	NA	NA	NA	NA
6530	A	C	RNA	NA	NA	NA	NA	NA	NA
6531	C	T	RNA	NA	NA	NA	NA	NA	NA
6551	C	T	RNA	NA	NA	NA	NA	NA	NA
6563	C	T	RNA	NA	NA	NA	NA	NA	NA
6566	C	T	RNA	NA	NA	NA	NA	NA	NA
6571	C	T	RNA	.	COX1	P00395	223	A	V
6578	A	G	RNA	NA	NA	NA	NA	NA	NA
6665	C	T	RNA	NA	NA	NA	NA	NA	NA
6812	A	C	RNA	NA	NA	NA	NA	NA	NA

6815	T	C	RNA	NA	NA	NA	NA	NA	NA
6824	C	T	RNA	NA	NA	NA	NA	NA	NA
6830	C	T	RNA	NA	NA	NA	NA	NA	NA
6836	C	T	RNA	NA	NA	NA	NA	NA	NA
6848	C	T	RNA	NA	NA	NA	NA	NA	NA
6851	C	T	RNA	NA	NA	NA	NA	NA	NA
6860	A	G	RNA	NA	NA	NA	NA	NA	NA
6863	A	C	RNA	NA	NA	NA	NA	NA	NA
6873	C	T	RNA	.	COX1	P00395	324	L	F
6875	C	A	RNA	NA	NA	NA	NA	NA	NA
6878	C	T	RNA	NA	NA	NA	NA	NA	NA
6881	A	C	RNA	NA	NA	NA	NA	NA	NA
6884	C	G	RNA	NA	NA	NA	NA	NA	NA
6886	A	ACGG	RNA	NA	NA	NA	NA	NA	NA
6899	G	C	RNA	rs1556423194	COX1	P00395	332	M	I
6902	A	G	RNA	NA	NA	NA	NA	NA	NA
6909	G	T	RNA	.	COX1	P00395	336	A	S

6915	G	A	RNA	rs1603220687	COX1	P00395	338	V	M
6929	A	G	RNA	NA	NA	NA	NA	NA	NA
6932	A	G	RNA	NA	NA	NA	NA	NA	NA
6935	C	T	RNA	NA	NA	NA	NA	NA	NA
6938	C	T	RNA	NA	NA	NA	NA	NA	NA
6944	T	C	RNA	NA	NA	NA	NA	NA	NA
6950	C	T	RNA	NA	NA	NA	NA	NA	NA
6962	G	A	RNA	NA	NA	NA	NA	NA	NA
6965	T	C	RNA	NA	NA	NA	NA	NA	NA
6975	T	C	RNA	NA	NA	NA	NA	NA	NA
6990	C	T	RNA	NA	NA	NA	NA	NA	NA
7007	C	T	RNA	NA	NA	NA	NA	NA	NA
7008	G	T	RNA	.	COX1	P00395	369	D	Y
7013	G	A	RNA	NA	NA	NA	NA	NA	NA
7016	C	T	RNA	NA	NA	NA	NA	NA	NA
7022	T	C	RNA	NA	NA	NA	NA	NA	NA
7037	C	T	RNA	NA	NA	NA	NA	NA	NA

7040	T	C	RNA	NA	NA	NA	NA	NA	NA
7064	T	C	RNA	NA	NA	NA	NA	NA	NA
7072	T	C	RNA	rs1603220760	COX1	P00395	390	M	T
7076	A	G	RNA	NA	NA	NA	NA	NA	NA
7094	T	C	RNA	NA	NA	NA	NA	NA	NA
7112	C	T	RNA	NA	NA	NA	NA	NA	NA
7133	CA	C	RNA	NA	NA	NA	NA	NA	NA
7196	C	T	RNA	NA	NA	NA	NA	NA	NA
7205	C	T	RNA	NA	NA	NA	NA	NA	NA
7211	G	A	RNA	NA	NA	NA	NA	NA	NA
7244	C	T	RNA	NA	NA	NA	NA	NA	NA
7259	CC	TT	RNA	NA	NA	NA	NA	NA	NA
7424	A	G	RNA	NA	NA	NA	NA	NA	NA
7621	T	C	RNA	NA	NA	NA	NA	NA	NA
7861	T	C	RNA	NA	NA	NA	NA	NA	NA
7868	C	T	RNA	rs1556423357	COX2	P00403	95	L	F
8011	A	G	RNA	NA	NA	NA	NA	NA	NA

8021	A	G	RNA	rs1603221261	COX2	P00403	146	I	V
8065	G	A	RNA	NA	NA	NA	NA	NA	NA
8140	C	T	RNA	NA	NA	NA	NA	NA	NA
8152	G	A	RNA	NA	NA	NA	NA	NA	NA
8167	T	C	RNA	NA	NA	NA	NA	NA	NA
8371	C	A	INT	NA	NA	NA	NA	NA	NA
8374	A	G	INT	NA	NA	NA	NA	NA	NA
8380	T	C	INT	NA	NA	NA	NA	NA	NA
8383	T	C	INT	NA	NA	NA	NA	NA	NA
8386	C	T	INT	NA	NA	NA	NA	NA	NA
8401	A	C	INT	.	ATP8	P03928	12	M	I
8405	A	G	INT	rs1603221462	ATP8	P03928	14	T	A
8410	C	A	INT	NA	NA	NA	NA	NA	NA
8416	C	T	INT	NA	NA	NA	NA	NA	NA
8419	T	C	INT	NA	NA	NA	NA	NA	NA
8428	C	T	INT	NA	NA	NA	NA	NA	NA
8437	C	T	INT	NA	NA	NA	NA	NA	NA

8440	A	G	INT	NA	NA	NA	NA	NA	NA
8455	C	T	INT	NA	NA	NA	NA	NA	NA
8461	C	T	INT	NA	NA	NA	NA	NA	NA
8467	C	T	INT	NA	NA	NA	NA	NA	NA
8473	T	C	INT	NA	NA	NA	NA	NA	NA
8503	T	C	RNA	NA	NA	NA	NA	NA	NA
8508	AC	GT	RNA	NA	NA	NA	NA	NA	NA
8527	A	G	RNA	rs878853003	ATP6	P00846	1	M	V
8558	C	G	RNA	.	ATP8	P03928	65	P	A
8558	C	G	RNA	.	ATP6	P00846	11	A	G
8566	A	G	RNA	rs3020563	ATP6	P00846	14	I	V
8568	C	T	RNA	rs1603221589	ATP8	P03928	68	S	F
8574	C	T	RNA	NA	NA	NA	NA	NA	NA
8577	A	G	RNA	NA	NA	NA	NA	NA	NA
8611	C	T	RNA	NA	NA	NA	NA	NA	NA
8618	T	C	RNA	rs28358885	ATP6	P00846	31	I	T
8632	T	C	RNA	rs1603221654	ATP6	P00846	36	Y	H

8634	T	C	RNA	NA	NA	NA	NA	NA	NA
8655	C	T	RNA	NA	NA	NA	NA	NA	NA
8658	C	T	RNA	NA	NA	NA	NA	NA	NA
8677	A	C	RNA	.	ATP6	P00846	51	K	Q
8714	C	T	RNA	rs1603221724	ATP6	P00846	63	T	I
8721	A	G	RNA	NA	NA	NA	NA	NA	NA
8775	C	T	RNA	NA	NA	NA	NA	NA	NA
8778	C	T	RNA	NA	NA	NA	NA	NA	NA
8784	A	G	RNA	NA	NA	NA	NA	NA	NA
8789	T	TAC-GCCGAGGCCGCCGCCGCCGCCGCC	RNA	NA	NA	NA	NA	NA	NA
8793	T	G	RNA	NA	NA	NA	NA	NA	NA
8795	A	C	RNA	.	ATP6	P00846	90	H	P
8848	T	C	RNA	NA	NA	NA	NA	NA	NA
8850	A	G	RNA	NA	NA	NA	NA	NA	NA
8854	G	A	RNA	rs386829055	ATP6	P00846	110	A	T

8856	G	A	RNA	NA	NA	NA	NA	NA	NA
8859	C	T	RNA	NA	NA	NA	NA	NA	NA
8860	A	G	RNA	rs2001031	ATP6	P00846	112	T	A
8865	G	A	RNA	NA	NA	NA	NA	NA	NA
8870	T	C	RNA	rs1556423560	ATP6	P00846	115	M	T
8875	T	C	RNA	rs201123510	ATP6	P00846	117	F	L
8877	T	C	RNA	NA	NA	NA	NA	NA	NA
8886	G	A	RNA	NA	NA	NA	NA	NA	NA
8888	TT	CC	RNA	NA	NA	NA	NA	NA	NA
9261	A	C	RNA	.	COX3	P00414	19	T	P
9325	T	C	RNA	rs879000531	COX3	P00414	40	M	T
9329	G	C	RNA	NA	NA	NA	NA	NA	NA
9527	C	T	RNA	NA	NA	NA	NA	NA	NA
9530	T	C	RNA	NA	NA	NA	NA	NA	NA
9692	AC	GT	RNA	NA	NA	NA	NA	NA	NA
9695	G	A	RNA	NA	NA	NA	NA	NA	NA
9713	G	A	RNA	NA	NA	NA	NA	NA	NA

9717	C	G	RNA	.	COX3	P00414	171	L	V
9719	C	T	RNA	NA	NA	NA	NA	NA	NA
9722	T	C	RNA	NA	NA	NA	NA	NA	NA
9785	C	T	RNA	NA	NA	NA	NA	NA	NA
9839	C	A	RNA	NA	NA	NA	NA	NA	NA
9857	C	T	RNA	NA	NA	NA	NA	NA	NA
9861	T	C	RNA	rs878853060	COX3	P00414	219	F	L
9877	T	A	RNA	.	COX3	P00414	224	M	K
9880	T	A	RNA	.	COX3	P00414	225	F	Y
9893	C	T	RNA	NA	NA	NA	NA	NA	NA
9896	A	C	RNA	.	COX3	P00414	230	K	N
9911	CG	TA	RNA	NA	NA	NA	NA	NA	NA
9924	T	G	RNA	.	COX3	P00414	240	W	G
9929	C	T	RNA	NA	NA	NA	NA	NA	NA
10308	C	T	INT	NA	NA	NA	NA	NA	NA
10310	G	A	INT	NA	NA	NA	NA	NA	NA
10377	C	T	INT	NA	NA	NA	NA	NA	NA

10380	C	T	INT	NA	NA	NA	NA	NA	NA
10388	A	G	INT	NA	NA	NA	NA	NA	NA
10417	T	C	INT	NA	NA	NA	NA	NA	NA
10589	G	A	RNA	NA	NA	NA	NA	NA	NA
10646	G	A	RNA	NA	NA	NA	NA	NA	NA
10652	TG	CA	RNA	NA	NA	NA	NA	NA	NA
10667	T	C	RNA	NA	NA	NA	NA	NA	NA
10670	C	T	RNA	NA	NA	NA	NA	NA	NA
10677	G	A	RNA	rs1603222944	NU4LM	P03901	70	E	K
10679	A	G	RNA	NA	NA	NA	NA	NA	NA
10685	G	A	RNA	NA	NA	NA	NA	NA	NA
10750	A	G	RNA	rs372297272	NU4LM	P03901	94	N	S
10775	G	A	RNA	rs879015842	NU4M	P03905	6	V	I
10786	T	C	RNA	NA	NA	NA	NA	NA	NA
10801	G	A	RNA	NA	NA	NA	NA	NA	NA
10808	C	T	RNA	rs2068723560	NU4M	P03905	17	L	F
10810	T	C	RNA	NA	NA	NA	NA	NA	NA

10816	A	G		RNA	NA	NA	NA	NA	NA	NA
10846	C	T		RNA	NA	NA	NA	NA	NA	NA
10866	T	C		RNA	rs1603222994	NU4M	P03905	36	I	T
10972	A	C		RNA	.	NU4M	P03905	71	W	C
10978	A	C		RNA	NA	NA	NA	NA	NA	NA
11107	C	T		RNA	NA	NA	NA	NA	NA	NA
11113	T	C		RNA	NA	NA	NA	NA	NA	NA
11116	T	C		RNA	NA	NA	NA	NA	NA	NA
11129	A	G		RNA	rs1603223122	NU4M	P03905	124	T	A
11134	A	G		RNA	NA	NA	NA	NA	NA	NA
11137	TA	AG		RNA	NA	NA	NA	NA	NA	NA
11710	C	T		RNA	NA	NA	NA	NA	NA	NA
11719	G	A		RNA	NA	NA	NA	NA	NA	NA
11731	A	C		RNA	NA	NA	NA	NA	NA	NA
11767	C	T		RNA	NA	NA	NA	NA	NA	NA
11770	T	C		RNA	NA	NA	NA	NA	NA	NA
11788	C	T		RNA	NA	NA	NA	NA	NA	NA

11887	G	A	RNA	NA	NA	NA	NA	NA	NA
11953	C	T	RNA	NA	NA	NA	NA	NA	NA
11963	G	A	RNA	rs201803948	NU4M	P03905	402	V	I
12064	C	T	RNA	NA	NA	NA	NA	NA	NA
12088	C	T	RNA	NA	NA	NA	NA	NA	NA
12091	T	C	RNA	NA	NA	NA	NA	NA	NA
12115	C	T	RNA	NA	NA	NA	NA	NA	NA
12136	T	C	RNA	NA	NA	NA	NA	NA	NA
12218	C	T	INT	NA	NA	NA	NA	NA	NA
12341	C	A	RNA	.	NU5M	P03915	2	T	N
12346	C	T	RNA	.	NU5M	P03915	4	H	Y
12360	C	A	RNA	NA	NA	NA	NA	NA	NA
12368	C	T	RNA	.	NU5M	P03915	11	T	I
12390	C	T	RNA	NA	NA	NA	NA	NA	NA
12403	C	T	RNA	.	NU5M	P03915	23	L	F
12684	G	A	RNA	NA	NA	NA	NA	NA	NA
12687	C	T	RNA	NA	NA	NA	NA	NA	NA

12702	C	T	RNA	NA	NA	NA	NA	NA	NA
12714	T	C	RNA	NA	NA	NA	NA	NA	NA
12750	C	T	RNA	NA	NA	NA	NA	NA	NA
12786	A	G	RNA	NA	NA	NA	NA	NA	NA
12789	C	T	RNA	NA	NA	NA	NA	NA	NA
12793	T	C	RNA	NA	NA	NA	NA	NA	NA
12802	A	G	RNA	.	NU5M	P03915	156	S	G
12825	T	C	RNA	NA	NA	NA	NA	NA	NA
12873	T	C	RNA	NA	NA	NA	NA	NA	NA
12879	T	C	RNA	NA	NA	NA	NA	NA	NA
12892	T	C	RNA	NA	NA	NA	NA	NA	NA
13020	T	C	RNA	NA	NA	NA	NA	NA	NA
13034	T	C	RNA	.	NU5M	P03915	233	L	P
13062	A	G	RNA	NA	NA	NA	NA	NA	NA
13095	T	C	RNA	NA	NA	NA	NA	NA	NA
13118	T	A	RNA	.	NU5M	P03915	261	I	N
13132	C	T	RNA	NA	NA	NA	NA	NA	NA

13145	G	A	RNA	.	NU5M	P03915	270	S	N
13164	A	C	RNA	NA	NA	NA	NA	NA	NA
13191	T	C	RNA	NA	NA	NA	NA	NA	NA
13197	C	T	RNA	NA	NA	NA	NA	NA	NA
13215	T	C	RNA	NA	NA	NA	NA	NA	NA
13226	A	C	RNA	.	NU5M	P03915	297	D	A
13227	C	T	RNA	NA	NA	NA	NA	NA	NA
13242	A	G	RNA	NA	NA	NA	NA	NA	NA
13251	C	T	RNA	NA	NA	NA	NA	NA	NA
13260	T	C	RNA	NA	NA	NA	NA	NA	NA
13264	C	T	RNA	NA	NA	NA	NA	NA	NA
13272	C	T	RNA	NA	NA	NA	NA	NA	NA
13275	AA	GG	RNA	NA	NA	NA	NA	NA	NA
13281	T	C	RNA	NA	NA	NA	NA	NA	NA
13303	C	T	RNA	.	NU5M	P03915	323	H	Y
13359	G	A	RNA	NA	NA	NA	NA	NA	NA
13386	T	C	RNA	NA	NA	NA	NA	NA	NA

13466	G	A	RNA	.	NU5M	P03915	377	S	N
13474	T	C	RNA	NA	NA	NA	NA	NA	NA
13476	A	T	RNA	.	NU5M	P03915	380	L	F
13476	A	G	RNA	NA	NA	NA	NA	NA	NA
13488	T	C	RNA	NA	NA	NA	NA	NA	NA
13517	A	T	RNA	.	NU5M	P03915	394	H	L
13548	A	C	RNA	NA	NA	NA	NA	NA	NA
13581	T	C	RNA	NA	NA	NA	NA	NA	NA
13584	C	T	RNA	NA	NA	NA	NA	NA	NA
13600	T	A	RNA	.	NU5M	P03915	422	Y	N
13614	A	T	RNA	.	NU5M	P03915	426	M	I
13618	C	T	RNA	.	NU5M	P03915	428	L	F
13627	C	T	RNA	NA	NA	NA	NA	NA	NA
13635	T	C	RNA	NA	NA	NA	NA	NA	NA
13635	T	A	RNA	NA	NA	NA	NA	NA	NA
13636	C	CA	RNA	NA	NA	NA	NA	NA	NA
13650	C	A	RNA	NA	NA	NA	NA	NA	NA

13651	A	G	RNA	rs1569484594	NU5M	P03915	439	T	A
13674	T	C	RNA	NA	NA	NA	NA	NA	NA
13763	C	A	RNA	.	NU5M	P03915	476	S	Y
13804	G	A	RNA	rs1603224360	NU5M	P03915	490	A	T
13816	A	C	RNA	.	NU5M	P03915	494	T	P
13886	T	C	RNA	rs28359182	NU5M	P03915	517	L	P
13908	C	T	RNA	NA	NA	NA	NA	NA	NA
14149	C	T	RNA	NA	NA	NA	NA	NA	NA
14170	A	T	RNA	.	NU6M	P03923	168	I	M
14172	T	G	RNA	.	NU6M	P03923	168	I	L
14182	T	C	RNA	NA	NA	NA	NA	NA	NA
14280	A	G	RNA	.	NU6M	P03923	132	S	P
14305	G	A	RNA	NA	NA	NA	NA	NA	NA
14311	T	C	RNA	NA	NA	NA	NA	NA	NA
14323	G	A	RNA	NA	NA	NA	NA	NA	NA
14362	C	T	RNA	NA	NA	NA	NA	NA	NA
14364	G	A	RNA	NA	NA	NA	NA	NA	NA

14368	C	T	RNA	NA	NA	NA	NA	NA	NA
14467	A	G	RNA	NA	NA	NA	NA	NA	NA
14470	T	C	RNA	NA	NA	NA	NA	NA	NA
14494	T	C	RNA	NA	NA	NA	NA	NA	NA
14524	A	G	RNA	NA	NA	NA	NA	NA	NA
14536	AA	GT	RNA	NA	NA	NA	NA	NA	NA
14562	C	T	RNA	.	NU6M	P03923	38	V	I
14608	C	T	RNA	NA	NA	NA	NA	NA	NA
14668	CA	TG	RNA	NA	NA	NA	NA	NA	NA
14757	T	C	RNA	rs1603224859	CYB	P00156	4	M	T
14774	C	T	RNA	NA	NA	NA	NA	NA	NA
14776	A	G	RNA	NA	NA	NA	NA	NA	NA
14793	A	G	RNA	rs2853504	CYB	P00156	16	H	R
14798	T	C	RNA	rs28357681	CYB	P00156	18	F	L
14800	C	T	RNA	NA	NA	NA	NA	NA	NA
14854	C	T	RNA	NA	NA	NA	NA	NA	NA
14860	C	T	RNA	NA	NA	NA	NA	NA	NA

14871	T	C	RNA	rs28660155	CYB	P00156	42	I	T
14873	C	A	RNA	.	CYB	P00156	43	L	I
14875	C	T	RNA	NA	NA	NA	NA	NA	NA
14881	C	G	RNA	.	CYB	P00156	45	I	M
14883	CC	TT	RNA	NA	NA	NA	NA	NA	NA
14911	C	A	RNA	NA	NA	NA	NA	NA	NA
14923	C	T	RNA	NA	NA	NA	NA	NA	NA
14935	T	C	RNA	NA	NA	NA	NA	NA	NA
14941	A	G	RNA	NA	NA	NA	NA	NA	NA
14998	C	T	RNA	NA	NA	NA	NA	NA	NA
15019	T	C	RNA	NA	NA	NA	NA	NA	NA
15043	G	C	RNA	NA	NA	NA	NA	NA	NA
15061	A	C	RNA	NA	NA	NA	NA	NA	NA
15074	TC	CT	RNA	NA	NA	NA	NA	NA	NA
15077	G	A	RNA	rs201943501	CYB	P00156	111	E	K
15298	CT	TC	RNA	NA	NA	NA	NA	NA	NA
15346	G	A	RNA	NA	NA	NA	NA	NA	NA

15596	G	A	RNA	rs1603225369	CYB	P00156	284	V	I
15598	C	T	RNA	NA	NA	NA	NA	NA	NA
15601	T	C	RNA	NA	NA	NA	NA	NA	NA
15604	C	T	RNA	NA	NA	NA	NA	NA	NA
15617	G	A	RNA	rs1556424625	CYB	P00156	291	V	I
15619	C	T	RNA	NA	NA	NA	NA	NA	NA
15622	T	A	RNA	NA	NA	NA	NA	NA	NA
15622	T	C	RNA	NA	NA	NA	NA	NA	NA
15628	AT	TC	RNA	NA	NA	NA	NA	NA	NA
15653	AT	GC	RNA	NA	NA	NA	NA	NA	NA
15658	C	T	RNA	NA	NA	NA	NA	NA	NA
15661	C	T	RNA	NA	NA	NA	NA	NA	NA
15664	C	A	RNA	rs1603225414	CYB	P00156	306	I	M
15699	G	A	RNA	.	CYB	P00156	318	R	H
15704	C	T	RNA	NA	NA	NA	NA	NA	NA
15714	CA	TC	RNA	NA	NA	NA	NA	NA	NA
15718	T	A	RNA	NA	NA	NA	NA	NA	NA

15725	C	T	RNA	rs1603225438	CYB	P00156	327	L	F
15734	G	A	RNA	rs386829259	CYB	P00156	330	A	T
15745	C	T	RNA	NA	NA	NA	NA	NA	NA
15747	TT	CC	RNA	NA	NA	NA	NA	NA	NA
15760	C	T	RNA	NA	NA	NA	NA	NA	NA
15775	A	G	RNA	NA	NA	NA	NA	NA	NA
15777	G	A	RNA	rs879182710	CYB	P00156	344	S	N
15786	T	TCAC	RNA	NA	NA	NA	NA	NA	NA
15793	CATT	C	RNA	NA	NA	NA	NA	NA	NA
15812	G	A	RNA	rs200336777	CYB	P00156	356	V	M
15924	A	G	RNA	NA	NA	NA	NA	NA	NA
16034	G	A	RNA	NA	NA	NA	NA	NA	NA
16035	G	A	RNA	NA	NA	NA	NA	NA	NA
16036	G	A	RNA	NA	NA	NA	NA	NA	NA
16093	T	C	RNA	NA	NA	NA	NA	NA	NA
16124	T	C	RNA	NA	NA	NA	NA	NA	NA
16218	C	T	RNA	NA	NA	NA	NA	NA	NA

16230	A	G	RNA	NA	NA	NA	NA	NA	NA
16249	T	C	RNA	NA	NA	NA	NA	NA	NA
16257	C	CA	RNA	NA	NA	NA	NA	NA	NA
16263	TC	T	RNA	NA	NA	NA	NA	NA	NA
16265	A	T	RNA	NA	NA	NA	NA	NA	NA
16284	A	G	RNA	NA	NA	NA	NA	NA	NA
16288	T	C	RNA	NA	NA	NA	NA	NA	NA
16290	C	T	RNA	NA	NA	NA	NA	NA	NA
16293	A	C	RNA	NA	NA	NA	NA	NA	NA
16293	A	G	RNA	NA	NA	NA	NA	NA	NA
16301	C	T	RNA	NA	NA	NA	NA	NA	NA

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Supplementary Table S9: List of the variants associated to diseases.

Pos	Ref	Alt	Csq	dbSNP155 id	Disease_clinvar	Disease_Mitomap	Disease_Mitimpact
310	T	TC	INT		Melanoma patients		
921	T	C	INT		Possibly LVNC associated		
1291	T	C	INT		Maternally inherited DEAFness or aminoglycoside-induced DEAFness (DEAF)	Deafness nonsyndromic_sensorineural mitochondrial	
1310	C	T	INT		Maternally inherited DEAFness associated or aminoglycoside-induced DEAFness associated (DEAF associated)		
1391	T	C	INT		found in 1 Hypertrophic CardioMyopathy (HCM) patient		

1453	A	G	INT	Possible Maternally inherited DEAFness or aminoglycoside-induced DEAFness (DEAF) factor	
1556	C	T	INT	found in 1 Hypertrophic CardioMyopathy (HCM) patient	
1642	G	A	INT	Mitochondrial Encephalomyopathy, Lactic Acidosis, and Stroke-like episodes (MELAS)	
1654	T	C	INT		Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke
1657	C	T	INT		Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke

1664	G	A	INT		Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke
2361	G	A	RNA	Possibly LVNC associated	
2639	C	A	RNA	Rare mutation in a single Primary Open Angle Glaucoma (POAG) patient	
3250	T	C	RNA	Chronic Progressive External Ophthalmoplegia (CPEO), Mitochondrial Myopathy (MM)	Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke Skeletal_myopathy responsive_to_riboflavin
3253	T	C	RNA	Maternally inherited hypertension	
3254	C	T	RNA	Gestational Diabetes (GDM), Chronic Progres-	Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke

				sive External Ophthalmoplegia (CPEO), possible hypertension factor, Mitochondrial Myopathy (MM)	
3263	C	T	RNA		Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke
3275	C	T	RNA	Leber Hereditary Optic Neuropathy (LHON), Metabolic syndrome and polycystic ovary syndrome	Myopia_(disease) Leber's_optic_atrophy Hepatic_steatosis Hepatitis Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke Neuromuscular_disease

					Fibrosis
					Developmental_delay
3277	G	A	RNA	Possible hypertension factor	Juvenile_myopathy
					encephalopathy
					lactic_acidosis_AND_stroke
5262	G	A	RNA		Leigh_syndrome
5806	T	C	INT		Juvenile_myopathy
					encephalopathy
					lactic_acidosis_AND_stroke
5821	G	A	INT	Maternally inherited DEAFness or aminoglycoside-induced DEAFness (DEAF) helper mutation	Juvenile_myopathy
					encephalopathy
					lactic_acidosis_AND_stroke
5840	C	T	INT		Juvenile_myopathy
					encephalopathy
					lactic_acidosis_AND_stroke

5846	C	T	INT			Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke		
6915	G	A	RNA	rs1603220687		Leigh_syndrome		
6962	G	A	RNA		Possible helper variant for 15927A			
7868	C	T	RNA	rs1556423357	Leber Hereditary Optic Neuropathy (LHON)	Leigh_syndrome		Leber Hereditary Optic Neuropathy (LHON)
8021	A	G	RNA	rs1603221261	Asthenozoospermia	Leigh_syndrome		Asthenozoospermia
8527	A	G	RNA	rs878853003	Neuromuscular disorder+ possible helper mutation	Leigh_syndrome		
8566	A	G	RNA	rs3020563		Leigh_syndrome		
8618	T	C	RNA	rs28358885		Leigh_syndrome		
8632	T	C	RNA	rs1603221654		Leigh_syndrome		
8714	C	T	RNA	rs1603221724		Leigh_syndrome		
8854	G	A	RNA	rs386829055		Leigh_syndrome		
8860	A	G	RNA	rs2001031		Leigh_syndrome		

8870	T	C	RNA	rs1556423560		Leigh_syndrome	
8875	T	C	RNA	rs201123510		Leigh_syndrome	
9325	T	C	RNA	rs879000531		Leigh_syndrome	
9861	T	C	RNA	rs878853060	Alzheimer's Disease (AD)	Leigh_syndrome	Alzheimer's Disease (AD)
10677	G	A	RNA	rs1603222944		Leigh_syndrome	
10750	A	G	RNA	rs372297272		Leigh_syndrome	
10775	G	A	RNA	rs879015842		Leigh_syndrome	
11129	A	G	RNA	rs1603223122		Leigh_syndrome	
11963	G	A	RNA	rs201803948		Leigh_syndrome	
12346	C	T	RNA			Leigh_syndrome	
12403	C	T	RNA			Leigh_syndrome	
13145	G	A	RNA			Leigh_syndrome	
13466	G	A	RNA			Leigh_syndrome	
13651	A	G	RNA	rs1569484594		Leigh_syndrome	
13886	T	C	RNA	rs28359182		Leigh_syndrome	
14280	A	G	RNA			Leigh_syndrome	
14562	C	T	RNA			Leigh_syndrome	

14757	T	C	RNA	rs1603224859		Leigh_syndrome	
14793	A	G	RNA	rs2853504		Leigh_syndrome	
14798	T	C	RNA	rs28357681		Leigh_syndrome	
14800	C	T	RNA			Familial_cancer_of_breast	
14854	C	T	RNA			Mitochondrial_cytopathy	
14871	T	C	RNA	rs28660155		Leigh_syndrome	
14935	T	C	RNA			Familial_cancer_of_breast	
15077	G	A	RNA	rs201943501	Leber Hereditary Optic Neuropathy (LHON), Maternally inherited DEAFness or aminoglycoside-induced DEAFness (DEAF)	Leigh_syndrome	Maternally inherited DEAFness or aminoglycoside-induced DEAFness / Leber Hereditary Optic Neuropathy (DEAF/LHON)
15346	G	A	RNA			Familial_cancer_of_breast	
15596	G	A	RNA	rs1603225369		Leigh_syndrome	
15617	G	A	RNA	rs1556424625		Leigh_syndrome	
15664	C	A	RNA	rs1603225414		Leigh_syndrome	
15725	C	T	RNA	rs1603225438		Leigh_syndrome	

15734	G	A	RNA	rs386829259		Leigh_syndrome	
15777	G	A	RNA	rs879182710		Leigh_syndrome	
15812	G	A	RNA	rs200336777	Leber Hereditary Optic Neuropathy (LHON)	Leber's_optic_atrophy Leigh_syndrome	Leber Hereditary Optic Neuropathy (LHON)
15924	A	G	RNA		Lethal Infantile Mitochondrial Myopathy (LIMM)	Juvenile_myopathy encephalopathy lactic_acidosis_AND_stroke	
16093	T	C	RNA		Cyclic Vomiting Syndrome		

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