

Supplementary Table S1. Set of 1,964 CPDs from 684 protein-coding genes identified in this study.

HGMD identifier	dbSNP identifier	Gene Symbol	Protein Change
CM125782	rs139767853	<i>NPHP4</i>	p.A1110V
CM051581	rs41280798	<i>NPHP4</i>	p.A1098T
CM077956	rs143020939	<i>NPHP4</i>	p.V1061I
CM125781	rs375819124	<i>NPHP4</i>	p.R1044H
CM051579		<i>NPHP4</i>	p.T946A
CM125787	rs199992272	<i>NPHP4</i>	p.R906C
CM051578		<i>NPHP4</i>	p.H782Q
CM051576		<i>NPHP4</i>	p.Q766R
CM051573	rs199891059	<i>NPHP4</i>	p.T627M
CM051569	rs201065230	<i>NPHP4</i>	p.F91L
CM061884	rs137853051	<i>PARK7</i>	p.A39S
CM127783		<i>NMNAT1</i>	p.A147P
CM127785		<i>NMNAT1</i>	p.Y181C
CM091848	rs80356718	<i>TARDBP</i>	p.N267S
CM100585		<i>TARDBP</i>	p.S292N

CM091313	rs367543041	<i>TARDBP</i>	p.A382P
CM081833	rs80356742	<i>TARDBP</i>	p.N390S
CM109498	rs61757261	<i>NPPA</i>	p.S64R
CM101956	rs144860227	<i>MFN2</i>	p.A716T
CM080170	rs540753875	<i>CTRC</i>	p.D260N
CM098007	rs145515028	<i>ATP13A2</i>	p.A249V
CM120069		<i>SDHB</i>	p.N120S
CM121098		<i>SDHB</i>	p.T17A
CM132431		<i>PINK1</i>	p.P52L
CM1212783		<i>PINK1</i>	p.R68P
CM081737	rs45604240	<i>PINK1</i>	p.T145M
CM076379	rs543939499	<i>PINK1</i>	p.G193R
HM090029		<i>PINK1</i>	p.R207Q
CM066966	rs34677717	<i>PINK1</i>	p.P209L
CM1212780		<i>PINK1</i>	p.R263G
CM104261		<i>PINK1</i>	p.L278V
CM065379	rs45515602	<i>PINK1</i>	p.A383T
CM065380	rs45478900	<i>PINK1</i>	p.G411S

CM1212782		<i>PINK1</i>	p.V482M
CM083015		<i>PINK1</i>	p.N542S
CM065383		<i>PINK1</i>	p.C575R
CM980066	rs199669988	<i>ALPL</i>	p.A177T
CM114829		<i>SEPN1</i>	p.E295K
CM013907	rs202154574	<i>NR0B2</i>	p.G189E
CM000019	rs74315320	<i>GJB3</i>	p.I141V
CM090826	rs121908851	<i>GJB3</i>	p.N166S
CM013252	rs369487110	<i>COL8A2</i>	p.R304Q
CM083772	rs121434397	<i>PTCH2</i>	p.R719Q
CM091154		<i>PTCH2</i>	p.V471I
CM041305	rs113994023	<i>EIF2B3</i>	p.Q136P
CM041304	rs113994021	<i>EIF2B3</i>	p.V46I
CM024485		<i>UROD</i>	p.R120C
CM133457		<i>UROD</i>	p.T196I
CM961408	rs116233118	<i>UROD</i>	p.G318R
CM099032	rs138089183	<i>MUTYH</i>	p.R309C
CM076324		<i>MUTYH</i>	p.R185W

CM083727	rs79777494	<i>MUTYH</i>	p.P18L
CM065096	rs75939866	<i>CPT2</i>	p.A101V
CM990439		<i>CPT2</i>	p.Y479F
CM054797		<i>PCSK9</i>	p.R218S
CM081395	rs149489325	<i>PCSK9</i>	p.G236S
CM066163	rs374603772	<i>PCSK9</i>	p.R496W
CM090077		<i>ANGPTL3</i>	p.D41N
CM090074		<i>ANGPTL3</i>	p.R288Q
CM993347		<i>IL12RB2</i>	p.H720R
CM920003	rs398123072	<i>ACADM</i>	p.R53C
CM086904	rs121434406	<i>RPL5</i>	p.G140S
CM0911024		<i>ABCA4</i>	p.K2172R
CM003580	rs281865405	<i>ABCA4</i>	p.K2160R
CM970015	rs1800552	<i>ABCA4</i>	p.R1898H
CM990064	rs62646875	<i>ABCA4</i>	p.R1820P
CM015089	rs61750563	<i>ABCA4</i>	p.V1693I
CM990050	rs56357060	<i>ABCA4</i>	p.V1433I
CM003576	rs61752432	<i>ABCA4</i>	p.V1429A

CM012036	rs61752424	<i>ABCA4</i>	p.T1253M
CM980006	rs61750061	<i>ABCA4</i>	p.E1036K
HM080108	rs143100856	<i>ABCA4</i>	p.Q841K
CM040968	rs139250920	<i>ABCA4</i>	p.T829M
CM015074	rs61749426	<i>ABCA4</i>	p.T716M
CM043240	rs61751393	<i>ABCA4</i>	p.P597S
CM133420	rs201117452	<i>ABCA4</i>	p.E432K
CM003571		<i>ABCA4</i>	p.V424A
CM003570	rs61751264	<i>ABCA4</i>	p.A407V
CM087701	rs142231757	<i>ABCA4</i>	p.R333Q
HM080093	rs202198282	<i>ABCA4</i>	p.R187H
CM003569	rs62646863	<i>ABCA4</i>	p.I156V
CM044611		<i>DPYD</i>	p.E615D
CM1211237		<i>EPS8L3</i>	p.A8T
CM003690	rs80358222	<i>SLC16A1</i>	p.K204E
CM072105	rs121918218	<i>VANG1</i>	p.V239I
CM092862		<i>PHGDH</i>	p.A373T
CM092865	rs267606948	<i>PHGDH</i>	p.G377S

CM012381	rs137852639	<i>HMGCS2</i>	p.R500H
CM041361	rs74315327	<i>HFE2</i>	p.L101P
CM1212301		<i>GJA5</i>	p.K107R
CM053899		<i>GJA8</i>	p.V64G
CM093956		<i>GJA8</i>	p.S73F
CM090039		<i>ADAR</i>	p.S915F
CM051380		<i>ADAR</i>	p.F609S
CM128078		<i>ADAR</i>	p.N386D
CM930293	rs80356773	<i>GBA</i>	p.R535H
CM022015	rs76071730	<i>GBA</i>	p.H490R
CM119326		<i>GBA</i>	p.M489L
CM094009	rs75671029	<i>GBA</i>	p.D482N
CM900106	rs1064651	<i>GBA</i>	p.D448H
CM960698		<i>GBA</i>	p.P426L
CM900104	rs121908305	<i>GBA</i>	p.G364R
CM940810		<i>GBA</i>	p.R324C
CM068592	rs199628072	<i>GBA</i>	p.T306I
CM090423	rs140955685	<i>GBA</i>	p.R301H

CM910173	rs381737	<i>GBA</i>	p.F252I
CM940807	rs398123534	<i>GBA</i>	p.G241R
CM980833	rs381427	<i>GBA</i>	p.V230G
CM960695	rs364897	<i>GBA</i>	p.N227S
CM001166	rs61748906	<i>GBA</i>	p.W223R
CM983510	rs398123530	<i>GBA</i>	p.R170C
CM082772		<i>GBA</i>	p.R170S
CM960694	rs397515515	<i>GBA</i>	p.R159W
CM950561	rs1141814	<i>GBA</i>	p.R87W
CM983509	rs1141807	<i>GBA</i>	p.E80K
CM081634		<i>GBA</i>	p.G49S
HM080074	rs201217064	<i>PKLR</i>	p.E538D
CM971216		<i>PKLR</i>	p.R518S
CM004202	rs8177988	<i>PKLR</i>	p.V506I
CM981557		<i>PKLR</i>	p.A295V
CM061898		<i>PKLR</i>	p.E266K
CM971205		<i>PKLR</i>	p.E172Q
CM090468		<i>PKLR</i>	p.G143S

CM129596	rs58327533	<i>LMNA</i>	p.R25C
CM033628	rs56694480	<i>LMNA</i>	p.L35V
CM990974	rs543320028	<i>NTRK1</i>	p.R85S
CM941300	rs199725919	<i>SPTA1</i>	p.G151D
CM092897	rs137853074	<i>KCNJ10</i>	p.R348C
CM1212552	rs201293070	<i>NCSTN</i>	p.D185N
CM001311		<i>PPOX</i>	p.R138P
CM120103	rs35086265	<i>NDUFS2</i>	p.R323Q
CM103358		<i>MPZ</i>	p.G103W
CM950810		<i>MPZ</i>	p.W101C
CM092185		<i>SDHC</i>	p.I56F
CM120071		<i>SDHC</i>	p.A66V
CM056399		<i>SDHC</i>	p.R72C
CM103068		<i>F5</i>	p.E694D
CM129719		<i>FMO3</i>	p.P70L
CM073070	rs186763441	<i>FMO3</i>	p.N114S
CM992887	rs72549331	<i>FMO3</i>	p.R387L
CM981351		<i>MYOC</i>	p.R470C

CM981350	rs140967767	<i>MYOC</i>	p.A445V
CM032011		<i>MYOC</i>	p.T438I
CM023431		<i>MYOC</i>	p.G434S
CM001250	rs74315338	<i>MYOC</i>	p.C433R
CM023430		<i>MYOC</i>	p.S393N
CM981344	rs566289099	<i>MYOC</i>	p.T377M
CM971024	rs74315330	<i>MYOC</i>	p.P370L
CM073213		<i>MYOC</i>	p.R346T
CM127618		<i>MYOC</i>	p.T209N
CM002376	rs199746824	<i>MYOC</i>	p.R158Q
CM023962	rs74315339	<i>MYOC</i>	p.Q48H
CM032611		<i>MYOC</i>	p.C25R
CM0910896	rs199752860	<i>MYOC</i>	p.G12R
CM930057	rs121909568	<i>SERPINC1</i>	p.A419V
CM010774		<i>SERPINC1</i>	p.Y17S
CM085598		<i>NPHS2</i>	p.F216Y
CM077312		<i>NPHS2</i>	p.A213T
CM077314		<i>NPHS2</i>	p.S211A

CM033931	rs200587413	<i>NPHS2</i>	p.A208T
CM077320		<i>NPHS2</i>	p.I192V
CM077615	rs559836164	<i>NPHS2</i>	p.G42R
CM042092	rs561887984	<i>NPHS2</i>	p.A29T
CM077326		<i>NPHS2</i>	p.R3G
CM095681	rs137854508	<i>NCF2</i>	p.A202V
CM034304	rs121434382	<i>HMCN1</i>	p.Q5345R
CM054096	rs141030117	<i>RGS2</i>	p.Q2R
CM086802		<i>CFH</i>	p.R303Q
CM103320	rs148165372	<i>CFH</i>	p.V609I
CM010316	rs145975787	<i>CFH</i>	p.T956M
CM045281		<i>CFH</i>	p.V1060A
CM010317	rs62625015	<i>CFH</i>	p.Q1076E
CM109986		<i>CFH</i>	p.E1135D
CM114095		<i>CFH</i>	p.T1184A
CM050193		<i>CFH</i>	p.L1189F
CM024597		<i>CFH</i>	p.G1194D
CM103327	rs318240756	<i>CFHR5</i>	p.Y277N

CM103328	rs111327589	<i>CFHR5</i>	p.V379L
CM053822	rs137853138	<i>CRB1</i>	p.V162M
CM056570		<i>CRB1</i>	p.F488S
CM057652		<i>CRB1</i>	p.T654I
CM992151	rs62635654	<i>CRB1</i>	p.R764C
CM012916	rs62636290	<i>CRB1</i>	p.N894S
CM113217		<i>CRB1</i>	p.H1035Y
CM119741		<i>CRB1</i>	p.P1305L
CM010805	rs62636285	<i>CRB1</i>	p.R1331H
CM951222	rs121964857	<i>TNNT2</i>	p.R278C
CM063210	rs200754249	<i>TNNT2</i>	p.A28V
CM074094	rs137852607	<i>CHIT1</i>	p.E74K
CM102671		<i>KISS1</i>	p.P74S
CM066539		<i>CD46</i>	p.E179Q
CM062497	rs35366573	<i>CD46</i>	p.A353V
CM950745	rs201223111	<i>LAMB3</i>	p.P679L
CM1010276		<i>IRF6</i>	p.Q82P
CM133856		<i>IRF6</i>	p.A61V

CM045641	rs111033275	<i>USH2A</i>	p.R4115C
CM124871	rs368681648	<i>USH2A</i>	p.R2460H
CM065510	rs201386640	<i>USH2A</i>	p.R2354H
CM001375	rs373599651	<i>USH2A</i>	p.T1515M
CM071128	rs201709513	<i>USH2A</i>	p.S1369L
CM080594		<i>USH2A</i>	p.R303C
CM118851	rs144147839	<i>ADCK3</i>	p.Y429C
CM081295	rs577325764	<i>GJC2</i>	p.G149S
CM103399		<i>GJC2</i>	p.P316L
CM118339	rs199657441	<i>HIST3H3</i>	p.R130C
CM034508	rs367543051	<i>ACTA1</i>	p.E243K
CM041993		<i>ACTA1</i>	p.G199S
CM1110852	rs144261004	<i>LYST</i>	p.S857C
CM043077		<i>RYR2</i>	p.A2403T
CM097935		<i>RYR2</i>	p.M3972I
CM056385	rs189345192	<i>RYR2</i>	p.A4556T
CM013709	rs61736331	<i>EXO1</i>	p.P640A
CM016268	rs61736331	<i>EXO1</i>	p.P640S

CM013711	rs200622305	<i>EXO1</i>	p.P770L
CM082977	rs180177487	<i>NLRP3</i>	p.C150Y
CM068199	rs180177464	<i>NLRP3</i>	p.R170Q
CM013246	rs121908147	<i>NLRP3</i>	p.V200M
CM108153	rs180177501	<i>NLRP3</i>	p.I315V
CM077614	rs180177474	<i>NLRP3</i>	p.A497V
CM060240	rs180177461	<i>NLRP3</i>	p.T559A
CM024371	rs146351101	<i>TPO</i>	p.V839I
CM104783	rs72654426	<i>APOB</i>	p.S4430T
CM055089	rs12720843	<i>APOB</i>	p.V4394A
CM055088	rs533755016	<i>APOB</i>	p.R4385H
CM125433		<i>APOB</i>	p.R4385C
CM043965	rs201736972	<i>APOB</i>	p.H3570Y
CM077505	rs368278927	<i>APOB</i>	p.T3567M
CM015396		<i>APOB</i>	p.R3507W
CM129216		<i>APOB</i>	p.A3426V
CM105025		<i>APOB</i>	p.I2877M
CM105023		<i>APOB</i>	p.M2358I

CM104755	rs141641980	<i>APOB</i>	p.R2219C
CM040371	rs12713843	<i>APOB</i>	p.R1128H
CM067451	rs141309351	<i>POMC</i>	p.A195T
CM067448	rs8192606	<i>POMC</i>	p.P132A
CM014215		<i>POMC</i>	p.S7T
CM091233	rs368790049	<i>OTOF</i>	p.R1939W
CM065364	rs80356601	<i>OTOF</i>	p.R1520Q
CM103492	rs181805996	<i>OTOF</i>	p.D398E
CM061856	rs121909723	<i>MPV17</i>	p.R50W
CM041307	rs113994028	<i>EIF2B4</i>	p.R208Q
CM120210	rs199910872	<i>GCKR</i>	p.I500S
CM061215	rs573642949	<i>SPAST</i>	p.E43Q
CM004657	rs121908515	<i>SPAST</i>	p.S44L
CM128855		<i>SPAST</i>	p.A95T
CM042482		<i>SPAST</i>	p.P361L
CM022254		<i>SPAST</i>	p.R562Q
CM1212215		<i>SPAST</i>	p.S597G
CM072975		<i>CYP11B1</i>	p.N498D

CM060950		<i>CYP1B1</i>	p.A388T
CM020105	rs66583685	<i>CYP1B1</i>	p.L345F
CM087793		<i>CYP1B1</i>	p.N319S
HM0665		<i>CYP1B1</i>	p.E230K
CM014341	rs59472972	<i>CYP1B1</i>	p.V198I
CM091788		<i>CYP1B1</i>	p.L177P
CM066029		<i>CYP1B1</i>	p.Q144H
CM012312		<i>ABCG8</i>	p.R184H
HM090053	rs149813423	<i>SLC3A1</i>	p.R81C
CM941279	rs121912694	<i>SLC3A1</i>	p.R181Q
CM003777	rs187962930	<i>SLC3A1</i>	p.I445T
CM941283	rs121912695	<i>SLC3A1</i>	p.T652R
CM086940	rs199823175	<i>SIX3</i>	p.G37C
CM086949		<i>SIX3</i>	p.S114L
CM021303	rs63750285	<i>MSH2</i>	p.A45V
CM1210408		<i>MSH2</i>	p.E56K
CM052904	rs63750381	<i>MSH2</i>	p.D283Y
CM994126	rs63751062	<i>MSH2</i>	p.P336S

CM022428	rs63751617	<i>MSH2</i>	p.R359S
CM034047	rs63750006	<i>MSH2</i>	p.Q419K
CM023958	rs55778204	<i>MSH2</i>	p.T564A
CM065320	rs63750280	<i>MSH2</i>	p.P622T
CM101612		<i>MSH2</i>	p.E701K
CM960992		<i>MSH2</i>	p.T905R
HM030034	rs267608023	<i>MSH2</i>	p.K931T
CM015302	rs34374438	<i>MSH6</i>	p.K854M
CM003462	rs63749889	<i>MSH6</i>	p.R901H
CM053212		<i>DYSF</i>	p.G299E
CM116694	rs148541407	<i>DYSF</i>	p.R1717W
CM123554		<i>DYSF</i>	p.I1980K
CM012475	rs104893665	<i>SPR</i>	p.R150G
CM950633	rs145124653	<i>HK2</i>	p.R497Q
CM116346		<i>TMEM127</i>	p.G185R
CM109012	rs121908820	<i>TMEM127</i>	p.G73R
CM014549	rs373954146	<i>CNGA3</i>	p.N471S
CM071619		<i>CNGA3</i>	p.A621E

CM090148	rs121434502	<i>RANBP2</i>	p.T585M
CM090150	rs121434504	<i>RANBP2</i>	p.I656V
CM113165	rs201460398	<i>MERTK</i>	p.P958L
CM132983	rs199932303	<i>IL36RN</i>	p.R102W
CM014371		<i>PAX8</i>	p.R31C
CM065144	rs115481013	<i>ERCC3</i>	p.K449R
CM065145	rs201383161	<i>ERCC3</i>	p.T232A
CM128560	rs146793243	<i>PROC</i>	p.G18S
CM920593	rs121918149	<i>PROC</i>	p.V76M
CM128562		<i>PROC</i>	p.G107R
CM950988	rs200234655	<i>PROC</i>	p.H108N
CM014374		<i>PROC</i>	p.S124R
CM910310		<i>PROC</i>	p.S161R
CM092268		<i>PROC</i>	p.R194H
CM910315	rs121918152	<i>PROC</i>	p.R220W
CM910314	rs121918153	<i>PROC</i>	p.R220Q
CM005571	rs370086431	<i>PROC</i>	p.K235Q
CM951010	rs568121876	<i>PROC</i>	p.A251V

CM036050		<i>PROC</i>	p.Y268H
CM920595	rs121918146	<i>PROC</i>	p.A309T
CM951024		<i>PROC</i>	p.L360F
CM961160		<i>PROC</i>	p.N371T
CM941190		<i>PROC</i>	p.G392R
CM961163		<i>PROC</i>	p.F410S
CM951033		<i>PROC</i>	p.N431K
CM951038		<i>PROC</i>	p.R440H
CM133672		<i>DARS</i>	p.D367Y
CM086705		<i>CACNB4</i>	p.R468Q
CM110659	rs137926033	<i>TTC21B</i>	p.Q869R
CM110657		<i>TTC21B</i>	p.M844V
CM110661		<i>TTC21B</i>	p.S591N
CM110666	rs185089786	<i>TTC21B</i>	p.R411G
CM096166		<i>SCN1A</i>	p.L1677F
CM072001	rs121917976	<i>SCN1A</i>	p.R1645Q
CM1211385	rs566081370	<i>SCN1A</i>	p.R1213Q
CM076496	rs121918799	<i>SCN1A</i>	p.T1174S

CM083093		<i>SCN1A</i>	p.N935H
CM120569	rs200328637	<i>SCN9A</i>	p.M1532I
CM133903	rs200488448	<i>ABCB11</i>	p.R928Q
CM994533		<i>ABCB11</i>	p.C336S
CM094020	rs77934668	<i>PDE11A</i>	p.D609N
CM054117	rs104893664	<i>SLC40A1</i>	p.G267D
CM132752	rs41473544	<i>STAT1</i>	p.V266I
CM990324	rs17860403	<i>CASP10</i>	p.L285F
CM085233		<i>ALS2</i>	p.Q435L
CM085275		<i>BMPR2</i>	p.G83R
CM044857		<i>BMPR2</i>	p.M186V
CM072969	rs28931605	<i>CRYGD</i>	p.P24S
CM063936	rs142693704	<i>CPS1</i>	p.A640S
CM071659	rs141373204	<i>CPS1</i>	p.I1215V
CM980211		<i>BARD1</i>	p.Q564H
CM034383		<i>BARD1</i>	p.N470S
CM021948		<i>BARD1</i>	p.N295S
CM130512	rs147218173	<i>ABCA12</i>	p.N678S

CM130514	rs368135271	<i>ABCA12</i>	p.E482D
CM062371		<i>ABCA12</i>	p.S387N
CM071091	rs142164846	<i>SMARCAL1</i>	p.R476Q
CM120215	rs387906911	<i>ABCB6</i>	p.A57T
CM105026	rs267607495	<i>DES</i>	p.S12F
CM065284		<i>INHA</i>	p.A182D
CM004796	rs12720062	<i>INHA</i>	p.A257T
CM014042	rs200672668	<i>COL4A3</i>	p.G640R
CM034408		<i>COL4A3</i>	p.F1475S
CM1211781	rs111395856	<i>COL6A3</i>	p.E2746K
CM1211784	rs111389165	<i>COL6A3</i>	p.I1605V
CM050232	rs138049094	<i>COL6A3</i>	p.N1467D
CM1211780	rs112181324	<i>COL6A3</i>	p.A1373T
CM1211783	rs111577719	<i>COL6A3</i>	p.R59Q
CM101386		<i>D2HGDH</i>	p.A231V
CM101392		<i>D2HGDH</i>	p.A446V
CM041512		<i>SUMF1</i>	p.A177P
CM041511	rs200142963	<i>SUMF1</i>	p.L20F

CM1111468		<i>OGG1</i>	p.S280G
CM014955	rs121917786	<i>FANCD2</i>	p.R1236H
CM1211793	rs111284875	<i>FBLN2</i>	p.G917S
CM000133		<i>COLQ</i>	p.R410Q
CM051396	rs397514337	<i>BTB</i>	p.H53Q
CM993548	rs146015592	<i>BTB</i>	p.R157H
CM995314	rs397514392	<i>BTB</i>	p.A299V
CM000666	rs397514422	<i>BTB</i>	p.W487R
CM064329	rs148665451	<i>TGFBR2</i>	p.A329T
CM930345		<i>GLB1</i>	p.E632G
CM940869	rs72555393	<i>GLB1</i>	p.T82M
CM023644	rs63751467	<i>MLH1</i>	p.N338S
CM1210405	rs141344760	<i>MLH1</i>	p.M383T
CM044233	rs63751485	<i>MLH1</i>	p.L400V
CM1010261		<i>MLH1</i>	p.P403S
CM046062	rs63750443	<i>MLH1</i>	p.E433Q
CM970965	rs63750365	<i>MLH1</i>	p.A441T
CM994125	rs63750956	<i>MLH1</i>	p.D485E

CM960969	rs63751145	<i>MLH1</i>	p.A492T
CM068558	rs63751270	<i>MLH1</i>	p.N635S
CM023747	rs55907433	<i>MLH1</i>	p.I655V
HM971468	rs140195825	<i>MLH1</i>	p.K751R
CM087570	rs3733139	<i>ITGA9</i>	p.G404S
CM055525	rs199473331	<i>SCN5A</i>	p.R1958Q
CM087610	rs41315493	<i>SCN5A</i>	p.V1951M
CM058053	rs199473637	<i>SCN5A</i>	p.G1935S
CM097681	rs199473290	<i>SCN5A</i>	p.L1650F
CM100744	rs199473280	<i>SCN5A</i>	p.V1604M
CM100728	rs199473250	<i>SCN5A</i>	p.I1448L
CM127051		<i>SCN5A</i>	p.N1269S
CM002388	rs199473195	<i>SCN5A</i>	p.D1114N
CM085685	rs199473190	<i>SCN5A</i>	p.G1084S
CM054857	rs199473592	<i>SCN5A</i>	p.R1023H
CM099709	rs199473184	<i>SCN5A</i>	p.P1008S
CM014388	rs137854609	<i>SCN5A</i>	p.A997S
CM100685	rs137854609	<i>SCN5A</i>	p.A997T

CM096513	rs41311135	<i>SCN5A</i>	p.R975W
CM055529	rs61737825	<i>SCN5A</i>	p.R971C
CM030273	rs45553235	<i>SCN5A</i>	p.Q692K
CM044058	rs199473146	<i>SCN5A</i>	p.A691T
CM057209	rs199473145	<i>SCN5A</i>	p.R689H
CM070260	rs199473142	<i>SCN5A</i>	p.R680H
CM097645	rs199473136	<i>SCN5A</i>	p.G639R
CM064256	rs199473136	<i>SCN5A</i>	p.G639R
CM097644	rs36210423	<i>SCN5A</i>	p.A572V
CM031354	rs199473118	<i>SCN5A</i>	p.T512I
CM100644	rs199473088	<i>SCN5A</i>	p.V300I
CM107405	rs199473555	<i>SCN5A</i>	p.V113I
CM097619	rs199473049	<i>SCN5A</i>	p.R53Q
CM097617	rs199473048	<i>SCN5A</i>	p.E48K
CM129998	rs562675882	<i>SCN5A</i>	p.A29V
CM064257	rs199473043	<i>SCN5A</i>	p.G9V
CM093166	rs121918331	<i>SLC25A38</i>	p.R187P
CM074606	rs72556555	<i>TREX1</i>	p.R240S

CM070880	rs150903058	<i>COL7A1</i>	p.R2927H
CM112250		<i>COL7A1</i>	p.G2517D
CM070877		<i>COL7A1</i>	p.P2438L
CM970381	rs121912849	<i>COL7A1</i>	p.R2063W
CM094899		<i>COL7A1</i>	p.V1627I
CM060932		<i>COL7A1</i>	p.G923R
CM071637		<i>COL7A1</i>	p.V760M
CM122651	rs200550585	<i>AMT</i>	p.D197H
CM133829		<i>IL17RD</i>	p.A735V
CM1110145		<i>HESX1</i>	p.R160H
CM132255		<i>HESX1</i>	p.V75L
CM132254		<i>HESX1</i>	p.H42Y
CM010054	rs121909173	<i>HESX1</i>	p.Q6H
CM950797	rs104893747	<i>MITF</i>	p.S298P
CM083835		<i>PROK2</i>	p.A24P
CM101820	rs63750818	<i>CHMP2B</i>	p.I29V
CM080145	rs63750944	<i>CHMP2B</i>	p.N143S
CM128596	rs139479630	<i>PROS1</i>	p.N583H

CM992961		<i>PROSI</i>	p.I562L
CM036053		<i>PROSI</i>	p.L551V
CM951054		<i>PROSI</i>	p.D376N
CM941197	rs121918474	<i>PROSI</i>	p.K196E
CM951047	rs146366248	<i>PROSI</i>	p.T144N
CM011768	rs28931603	<i>CPOX</i>	p.R447C
CM080129		<i>CBLB</i>	p.T882A
CM074083	rs119477056	<i>CD96</i>	p.T280M
CM110962		<i>ILDR1</i>	p.R453Q
CM962438		<i>CASR</i>	p.D215G
CM021964	rs62269092	<i>CASR</i>	p.E250K
CM910329	rs104893771	<i>RHO</i>	p.V87D
CM961252		<i>RHO</i>	p.V137M
CM121646		<i>RHO</i>	p.M216L
CM032016		<i>NPHP3</i>	p.R397H
CM077305	rs145643112	<i>NPHP3</i>	p.A52T
CM001038	rs104893685	<i>BFSP2</i>	p.R287W
CM112226		<i>TF</i>	p.N630T

CM1110009	rs145135400	<i>PCCB</i>	p.T451I
CM118816	rs201408725	<i>GFM1</i>	p.R671C
CM060484	rs104893806	<i>SOX2</i>	p.N46K
CM041314	rs113994047	<i>EIF2B5</i>	p.E81K
CM013534	rs113994049	<i>EIF2B5</i>	p.R113H
CM092133		<i>EIF2B5</i>	p.N376D
CM041323	rs113994073	<i>EIF2B5</i>	p.I385V
CM117023	rs111290936	<i>EIF4G1</i>	p.A502V
CM115430		<i>CLCN2</i>	p.S758N
CM115428	rs144412275	<i>CLCN2</i>	p.R73H
CM107729		<i>MASP1</i>	p.G687R
CM085325		<i>CLDN16</i>	p.G88E
CM085322		<i>CLDN16</i>	p.S110R
CM113553		<i>IDUA</i>	p.T103P
CM066084	rs121913116	<i>FGFR3</i>	p.S84L
CM960655	rs4647924	<i>FGFR3</i>	p.P250R
CM950472	rs75790268	<i>FGFR3</i>	p.G375C
CM061001	rs121913112	<i>FGFR3</i>	p.D513N

CM970530	rs80053154	<i>FGFR3</i>	p.I538V
CM063958	rs118203994	<i>DOK7</i>	p.G180A
CM012812	rs369671890	<i>WFS1</i>	p.A58V
CM073424		<i>WFS1</i>	p.V624A
CM031404		<i>WFS1</i>	p.R793P
CM061886	rs104893856	<i>PHOX2B</i>	p.G197D
CM984569		<i>SGCB</i>	p.N304S
CM971347		<i>SGCB</i>	p.Q11E
CM950712	rs143388949	<i>KIT</i>	p.M318V
CM078686		<i>KIT</i>	p.M541L
CM950716		<i>KIT</i>	p.H650P
CM100865	rs182531866	<i>GNRHR</i>	p.R240Q
CM920015	rs75002628	<i>ALB</i>	p.R242H
CM077244	rs121918233	<i>COQ2</i>	p.S146N
CM971400	rs104893877	<i>SNCA</i>	p.A53T
CM040493	rs104893875	<i>SNCA</i>	p.E46K
CM091036	rs121918124	<i>TACR3</i>	p.G93D
CM1210593	rs41278047	<i>CFI</i>	p.K441R

CM076093		<i>CFI</i>	p.I433V
CM062507	rs121964917	<i>CFI</i>	p.R317W
CM087192	rs113273712	<i>CFI</i>	p.I306V
CM086396		<i>CFI</i>	p.Q250K
CM131612		<i>CFI</i>	p.H118R
CM109438	rs377090638	<i>CFI</i>	p.T72S
CM127705		<i>CFI</i>	p.G71V
CM004057		<i>PITX2</i>	p.R90C
CM109801		<i>BBS12</i>	p.R355Q
CM101930		<i>BBS12</i>	p.Y524C
CM120918		<i>MFSD8</i>	p.M470V
CM0910231		<i>GYPA</i>	p.V81G
CM004555	rs375241297	<i>GYPA</i>	p.R50W
CM993938		<i>FGG</i>	p.N387K
CM024515		<i>ETFDH</i>	p.Y49C
CM910010	rs192195150	<i>AGA</i>	p.R161Q
CM041496	rs199476185	<i>CYP4V2</i>	p.E79D
CM041498	rs149684063	<i>CYP4V2</i>	p.M123V

CM076174		<i>F11</i>	p.V38A
CM062619		<i>F11</i>	p.Q47H
CM044881	rs574509278	<i>F11</i>	p.L190P
CM066064		<i>F11</i>	p.P206S
CM0910289		<i>F11</i>	p.G235S
CM062615		<i>F11</i>	p.R252S
CM083501	rs201688862	<i>F11</i>	p.R268H
CM080237	rs281875253	<i>F11</i>	p.T331I
CM950374	rs281875270	<i>F11</i>	p.E341K
CM062623	rs142096488	<i>F11</i>	p.G362R
CM097410	rs547842083	<i>F11</i>	p.A393V
CM020683	rs281875278	<i>F11</i>	p.Y511H
CM002953		<i>F11</i>	p.K536N
CM116664		<i>TERT</i>	p.E1116Q
CM116663		<i>TERT</i>	p.G1109R
CM086701		<i>TERT</i>	p.L1019F
CM133992		<i>TERT</i>	p.T567M
CM0910920	rs148798048	<i>TERT</i>	p.G260D

BM1199409		<i>TERT</i>	p.E113V
CM056407	rs147837176	<i>SLC6A3</i>	p.E602G
CM005507	rs28364997	<i>SLC6A3</i>	p.A559V
CM091931		<i>DNAH5</i>	p.N549D
HM0679	rs553073635	<i>SLC45A2</i>	p.T302S
CM113402	rs37369	<i>AGXT2</i>	p.V140I
CM071042		<i>NIPBL</i>	p.P2056S
CM119129		<i>OSMR</i>	p.K615N
CM109128		<i>OSMR</i>	p.D647Y
CM980284	rs369349760	<i>C7</i>	p.R220Q
CM980285	rs541873000	<i>C7</i>	p.E682Q
CM980286	rs113187203	<i>C7</i>	p.R687H
CM068405		<i>GHR</i>	p.H74R
CM980905	rs6413484	<i>GHR</i>	p.V162I
CM068406		<i>GHR</i>	p.G166E
CM950575	rs45588036	<i>GHR</i>	p.E242D
CM116520		<i>ITGA2</i>	p.T1116M
CM125726	rs140806722	<i>MCCC2</i>	p.I200N

CM074028	rs150087888	<i>ARSB</i>	p.R106H
CM074018		<i>ARSB</i>	p.T92K
CM080627	rs549211166	<i>WDR36</i>	p.Y97C
CM119558	rs142407572	<i>WDR36</i>	p.L490M
CM086770		<i>APC</i>	p.T828A
CM080048	rs147394539	<i>APC</i>	p.M949I
CM992135		<i>APC</i>	p.A1184P
CM1010211		<i>APC</i>	p.M1211V
CM973704		<i>APC</i>	p.I1304V
CM086766		<i>APC</i>	p.I1307L
CM080037		<i>APC</i>	p.T1445A
CM080050		<i>APC</i>	p.I1572T
CM080047		<i>APC</i>	p.G1921S
CM080039		<i>APC</i>	p.I2541V
CM080036	rs367676584	<i>APC</i>	p.N2593S
CM080066	rs146115809	<i>APC</i>	p.I2756V
CM080057	rs369264968	<i>APC</i>	p.A2795T
CM121731		<i>ALDH7A1</i>	p.Y354C

CM091479	rs145259927	<i>FBN2</i>	p.G754S
CM035597	rs28942109	<i>SAR1B</i>	p.D137N
CM065478		<i>TGFBI</i>	p.V113I
CM096327	rs188677757	<i>TGFBI</i>	p.M502V
CM104953		<i>TGFBI</i>	p.S516R
CM062013	rs121909217	<i>TGFBI</i>	p.R666S
CM081446	rs576564400	<i>SPINK1</i>	p.T69I
CM016009	rs141634296	<i>SPINK1</i>	p.R65Q
CM001343	rs17107315	<i>SPINK1</i>	p.N34S
CM101889	rs80359890	<i>SH3TC2</i>	p.Y169H
CM119165		<i>NDST1</i>	p.R709Q
CM043783	rs375688767	<i>NIPAL4</i>	p.G297R
CM117155		<i>GABRG2</i>	p.R363Q
CM071773	rs121909341	<i>FOXJ1</i>	p.R267Q
CM108634	rs375086983	<i>NKX2-5</i>	p.P283Q
CM086881	rs113818864	<i>NKX2-5</i>	p.A42P
CM043581	rs104893936	<i>SNCB</i>	p.V70M
CM032981		<i>NSD1</i>	p.P2227L

CM114488	rs183643295	<i>F12</i>	p.A343P
BM1076232		<i>LTC4S</i>	p.G125D
CM034451		<i>SQSTM1</i>	p.P387L
CM103182	rs138754417	<i>F13A1</i>	p.G593S
CM099543	rs143711562	<i>F13A1</i>	p.T577M
CM103181	rs367679357	<i>F13A1</i>	p.R541Q
CM980654	rs76451285	<i>F13A1</i>	p.A395V
CM063961	rs121912998	<i>DSP</i>	p.V30M
CM101053	rs142078450	<i>DSP</i>	p.R2541K
CM102900		<i>TFAP2A</i>	p.R255W
CM095228	rs72556347	<i>TPMT</i>	p.F208L
CM074605	rs74423290	<i>TPMT</i>	p.A167G
CM033326		<i>ALDH5A1</i>	p.P382L
CM033969		<i>HFE</i>	p.R66C
CM112342		<i>HFE</i>	p.R67C
CM990721	rs28934595	<i>HFE</i>	p.Q127H
CM034097	rs62625346	<i>HFE</i>	p.R224Q
HM030028	rs143175221	<i>HFE</i>	p.V295A

CM033604	rs63749090	<i>CYP21A2</i>	p.A16T
CM128446		<i>CYP21A2</i>	p.E141K
CM119139		<i>CYP21A2</i>	p.Y192H
HM070087		<i>CYP21A2</i>	p.R225W
CM021255	rs151344505	<i>CYP21A2</i>	p.V305M
CM1210497		<i>CYP21A2</i>	p.R367C
CM099830		<i>CYP21A2</i>	p.N388K
CM920233	rs6445	<i>CYP21A2</i>	p.P454S
CM971292	rs62645936	<i>PRPH2</i>	p.V268I
CM930639	rs61755792	<i>PRPH2</i>	p.R172W
CM090728	rs563581127	<i>PRPH2</i>	p.R123W
CM951113	rs61755767	<i>PRPH2</i>	p.I32V
CM087246	rs143297472	<i>CD2AP</i>	p.M496I
CM126884		<i>MUT</i>	p.P615L
CM050667	rs115923556	<i>MUT</i>	p.I69V
CM051189	rs78518523	<i>PKHD1</i>	p.M3642I
CM051190		<i>PKHD1</i>	p.M3642T
CM051188		<i>PKHD1</i>	p.P3602L

CM034282		<i>PKHD1</i>	p.I3167L
CM034279		<i>PKHD1</i>	p.Y2863C
CM034278	rs150925674	<i>PKHD1</i>	p.S2861G
CM032320	rs201105958	<i>PKHD1</i>	p.S1833L
CM100426	rs141103838	<i>PKHD1</i>	p.G1712R
CM051133	rs115045643	<i>PKHD1</i>	p.P676R
CM051126	rs149781976	<i>PKHD1</i>	p.G448R
CM076019		<i>BCKDHB</i>	p.P123L
CM032854		<i>BCKDHB</i>	p.G135R
CM122022	rs371518124	<i>BCKDHB</i>	p.R170H
CM055950		<i>GJA1</i>	p.S251T
CM055953		<i>GJA1</i>	p.A253P
CM910048	rs104893942	<i>ARG1</i>	p.T290S
CM994048	rs190947144	<i>ENPP1</i>	p.S287F
CM108234	rs563655306	<i>CITED2</i>	p.S192G
CM103662	rs145347140	<i>STX11</i>	p.E206K
CM1111579	rs560006390	<i>STX11</i>	p.F281C
CM082615		<i>EPM2A</i>	p.E210K

CM103338	rs267607101	<i>TAB2</i>	p.P208S
CM961133	rs181030365	<i>PLG</i>	p.D695N
CM056983	rs55830907	<i>PARK2</i>	p.R402C
CM103387	rs200239028	<i>PARK2</i>	p.R128K
CM066956	rs577232474	<i>PARK2</i>	p.R42C
CM030923	rs147757966	<i>PARK2</i>	p.R33Q
HM070042	rs146288080	<i>PARK2</i>	p.D18N
CM122512	rs281875334	<i>ACTB</i>	p.R196H
CM060092		<i>TWIST1</i>	p.T137P
CM085948	rs121918552	<i>CYCS</i>	p.G42S
CM093238	rs137852648	<i>GARS</i>	p.P298L
CM066090	rs376948691	<i>GHRHR</i>	p.R357C
CM990707	rs62622373	<i>GLI3</i>	p.I808M
CM970684	rs121917716	<i>GLI3</i>	p.P707S
CM085976		<i>GCK</i>	p.C457W
CM096948		<i>GCK</i>	p.V406M
CM015313		<i>GCK</i>	p.H380Q
CM097123		<i>GCK</i>	p.H380Q

CM068317		<i>GCK</i>	p.E339G
CM970639		<i>GCK</i>	p.S336L
CM097121		<i>GCK</i>	p.T326P
CM032918		<i>GCK</i>	p.G318A
CM073084		<i>GCK</i>	p.E312Q
CM012128		<i>GCK</i>	p.S281F
CM077739		<i>GCK</i>	p.S280N
CM015312		<i>GCK</i>	p.Q239R
CM096804		<i>GCK</i>	p.E28K
CM068039		<i>NPC1L1</i>	p.R1268H
CM068036	rs141563640	<i>NPC1L1</i>	p.R306C
CM068043	rs116204045	<i>NPC1L1</i>	p.R174H
CM093709	rs542063660	<i>DDC</i>	p.R412W
CM077528	rs201951824	<i>DDC</i>	p.R347Q
CM022315	rs143793815	<i>ASL</i>	p.T131M
CM042302		<i>ASL</i>	p.E241K
CM051198		<i>POR</i>	p.M263V
CM040474	rs28931608	<i>POR</i>	p.R457H

CM057354	rs121912976	<i>POR</i>	p.G539R
CM020669	rs121918035	<i>CD36</i>	p.I413L
CM041830	rs121918341	<i>SEMA3E</i>	p.S703L
CM015107	rs56187107	<i>ABCB4</i>	p.G983S
CM075938	rs148052192	<i>ABCB4</i>	p.T775M
CM071528		<i>ABCB4</i>	p.I764L
CM075957		<i>ABCB4</i>	p.E558K
CM122249	rs142794414	<i>ABCB4</i>	p.T34M
CM133186		<i>AKAP9</i>	p.L705V
CM078295	rs121908566	<i>AKAP9</i>	p.S1570L
CM091392	rs535271603	<i>PEX1</i>	p.R948Q
CM1111359		<i>PEX1</i>	p.V242I
CM070865	rs72658182	<i>COL1A2</i>	p.G766S
CM077633		<i>SGCE</i>	p.G227V
CM102655		<i>GJC3</i>	p.R15G
CM113593	rs146901123	<i>TFR2</i>	p.R420H
CM034064	rs80338876	<i>TFR2</i>	p.V22I
CM077339	rs111033240	<i>SLC26A4</i>	p.T67S

CM134466	rs200229408	<i>SLC26A4</i>	p.V163L
CM050320		<i>SLC26A4</i>	p.S166N
CM103436		<i>SLC26A4</i>	p.V281I
CM078091		<i>SLC26A4</i>	p.G439R
CM086956	rs200779286	<i>SLC26A4</i>	p.R470H
CM077974		<i>SLC26A4</i>	p.F550Y
CM1211138	rs371998143	<i>SLC26A4</i>	p.I665V
CM085696		<i>SLC26A4</i>	p.R714K
CM108939		<i>SLC26A4</i>	p.Y728H
CM097065	rs200664061	<i>SLC26A4</i>	p.E737D
CM0910584		<i>SLC26A3</i>	p.I458V
CM051459	rs397514650	<i>DLD</i>	p.R482G
CM088401		<i>MET</i>	p.A179T
CM033395		<i>MET</i>	p.P791L
CM940237		<i>CFTR</i>	p.F87L
CM091992		<i>CFTR</i>	p.F87I
CM043460		<i>CFTR</i>	p.Q151K
CM962457	rs397508747	<i>CFTR</i>	p.I177T

CM043464		<i>CFTR</i>	p.S321P
CM010793	rs143860237	<i>CFTR</i>	p.T388M
CM941975	rs397508185	<i>CFTR</i>	p.N418S
CM123029		<i>CFTR</i>	p.R419I
CM068683	rs1801178	<i>CFTR</i>	p.I507V
CM972949	rs397508228	<i>CFTR</i>	p.E527Q
CM952051	rs144745159	<i>CFTR</i>	p.I539T
CM920161	rs121909044	<i>CFTR</i>	p.R553Q
CM990362	rs1800097	<i>CFTR</i>	p.V562I
CM003248	rs181878120	<i>CFTR</i>	p.K683R
CM930115	rs1800101	<i>CFTR</i>	p.F693L
CM015356	rs145540754	<i>CFTR</i>	p.F693L
CM116799	rs397508340	<i>CFTR</i>	p.K696R
CM015357	rs397508352	<i>CFTR</i>	p.R735K
CM000668	rs150157202	<i>CFTR</i>	p.V754M
CM993863	rs397508359	<i>CFTR</i>	p.T760M
CM950249	rs397508373	<i>CFTR</i>	p.A800G
CM044595		<i>CFTR</i>	p.I853F

CM094117	rs397508397	<i>CFTR</i>	p.V855I
CM962471	rs397508427	<i>CFTR</i>	p.Y917D
CM993864		<i>CFTR</i>	p.F932S
CM074729		<i>CFTR</i>	p.I980M
CM980354	rs200553511	<i>CFTR</i>	p.M1028I
CM940270	rs200321110	<i>CFTR</i>	p.G1069R
CM003255		<i>CFTR</i>	p.A1136T
CM011285		<i>CFTR</i>	p.S1161R
CM941984		<i>CFTR</i>	p.K1177R
CM920181		<i>CFTR</i>	p.K1200E
CM920182	rs75647395	<i>CFTR</i>	p.I1203V
CM931156	rs397508591	<i>CFTR</i>	p.V1212I
CM980356	rs76649725	<i>CFTR</i>	p.S1255L
CM983579	rs397508607	<i>CFTR</i>	p.F1257L
CM043476		<i>CFTR</i>	p.T1263I
CM940279	rs397508621	<i>CFTR</i>	p.Q1291R
CM941988		<i>CFTR</i>	p.E1321Q
CM087538	rs146947665	<i>CFTR</i>	p.H1375N

CM972965	rs373172017	<i>CFTR</i>	p.R1422W
CM081771	rs118204055	<i>RBM28</i>	p.L351P
CM023023	rs28939081	<i>ATP6V0A4</i>	p.R807Q
CM072909	rs397507480	<i>BRAF</i>	p.D565E
CM021670		<i>PRSS1</i>	p.N29T
HM060042		<i>PRSS1</i>	p.Q98K
CM134440		<i>CLCN1</i>	p.V327I
CM004388	rs80356706	<i>CLCN1</i>	p.P932L
CM1110539		<i>EZH2</i>	p.Y663N
CM058324	rs199473032	<i>KCNH2</i>	p.A1116V
CM097605	rs199473546	<i>KCNH2</i>	p.M1115V
CM070179	rs199473024	<i>KCNH2</i>	p.S1040G
CM097577	rs199473542	<i>KCNH2</i>	p.R1007H
CM057119	rs199473017	<i>KCNH2</i>	p.P968L
CM107427	rs199473011	<i>KCNH2</i>	p.R948H
CM097532	rs199473439	<i>KCNH2</i>	p.R922Q
CM097531	rs199473670	<i>KCNH2</i>	p.R920Q
CM097530	rs199473438	<i>KCNH2</i>	p.R920W

CM002315	rs76420733	<i>KCNH2</i>	p.P917L
CM055300	rs199473432	<i>KCNH2</i>	p.R887H
CM022803	rs199472912	<i>KCNH2</i>	p.D501N
CM023396	rs9770044	<i>KCNH2</i>	p.E444D
CM095612	rs199473508	<i>KCNH2</i>	p.A429P
CM097334	rs199473504	<i>KCNH2</i>	p.G314S
CM098142	rs199472871	<i>KCNH2</i>	p.P241L
CM055302	rs199473501	<i>KCNH2</i>	p.G238S
CM097319	rs199472865	<i>KCNH2</i>	p.G149A
CM097318	rs199472864	<i>KCNH2</i>	p.P141L
CM097272	rs199472839	<i>KCNH2</i>	p.N45Y
CM020451	rs199472827	<i>KCNH2</i>	p.S26I
CM040701	rs386834129	<i>CLN8</i>	p.L16M
CM120925	rs142269885	<i>CLN8</i>	p.N125S
CM131345	rs533807084	<i>RP1L1</i>	p.F1258S
CM1010269		<i>GATA4</i>	p.A66T
CM115165		<i>GATA4</i>	p.S70T
CM076205	rs115372595	<i>GATA4</i>	p.A346V

CM107551		<i>GATA4</i>	p.T354A
CM119355		<i>GATA4</i>	p.P394A
CM003884		<i>ASAH1</i>	p.H23D
CM900162	rs118204057	<i>LPL</i>	p.G215E
CM115468		<i>HR</i>	p.G524E
CM123626	rs200125747	<i>HR</i>	p.G325D
CM125697		<i>NRG1</i>	p.M111T
CM125699		<i>NRG1</i>	p.M139I
CM063986		<i>FGFR1</i>	p.A343V
CM003914		<i>ANK1</i>	p.I1055T
CM106018	rs374512193	<i>THAP1</i>	p.M143V
CM065268		<i>HGSNAT</i>	p.W403C
CM090348		<i>HGSNAT</i>	p.V481L
CM051616	rs201725231	<i>RP1</i>	p.A669T
CM056381	rs200135800	<i>RP1</i>	p.D984G
CM085321	rs200140270	<i>CHD7</i>	p.A2789T
CM981963	rs397515522	<i>TTPA</i>	p.R59W
CM103434	rs398123010	<i>TRPA1</i>	p.N855S

CM022336	rs369138501	<i>CNGB3</i>	p.K148E
CM066927	rs61753720	<i>NBN</i>	p.D95N
CM100381		<i>TMEM67</i>	p.R172Q
CM102761		<i>TMEM67</i>	p.D301E
CM0910797	rs121909353	<i>GDF6</i>	p.K424R
CM100249	rs387906794	<i>GDF6</i>	p.A199T
CM1211526	rs201963516	<i>VPS13B</i>	p.V2481I
CM120309	rs185989928	<i>KLF10</i>	p.S225N
CM120308	rs146181228	<i>KLF10</i>	p.T216A
CM120307	rs370640000	<i>KLF10</i>	p.A204T
CM120304		<i>KLF10</i>	p.A12T
CM116250	rs387907029	<i>CTHRC1</i>	p.Q44P
CM099178	rs144397063	<i>EXT1</i>	p.V537I
CM099166	rs142122090	<i>EXT1</i>	p.N373D
CM131797	rs138852641	<i>KCNQ3</i>	p.R780C
CM064317		<i>TG</i>	p.S990N
CM130238	rs150133670	<i>TG</i>	p.P2202R
CM082695		<i>FOXH1</i>	p.L365M

CM082687		<i>FOXH1</i>	p.S364N
CM082710		<i>FOXH1</i>	p.L282S
CM122555	rs281875188	<i>SMARCA2</i>	p.P883L
CM123195		<i>KCNV2</i>	p.E80D
CM122528		<i>KCNV2</i>	p.V378I
CM061031	rs151268759	<i>GLDC</i>	p.A569T
CM023043	rs6413464	<i>CDKN2A</i>	p.A127S
CM994498	rs146179135	<i>CDKN2A</i>	p.D125H
CM990359		<i>CDKN2A</i>	p.R87W
CM980325	rs372266620	<i>CDKN2A</i>	p.A57V
CM994794		<i>CDKN2B</i>	p.H68Y
CM013716	rs111033635	<i>GALT</i>	p.T23A
CM990635	rs111033675	<i>GALT</i>	p.R123Q
CM990650		<i>GALT</i>	p.I198T
CM990651	rs111033729	<i>GALT</i>	p.I198M
CM950556	rs111033784	<i>GALT</i>	p.E308K
CM074196	rs111033819	<i>GALT</i>	p.I378V
CM015017		<i>FANCG</i>	p.G546R

CM1212688		<i>TPM2</i>	p.R91H
CM128673	rs370346767	<i>FANCC</i>	p.R185Q
CM066194		<i>PTCHI</i>	p.E1242Q
CM081408		<i>PTCHI</i>	p.S647C
CM032341		<i>PTCHI</i>	p.G484R
CM066196	rs370354759	<i>PTCHI</i>	p.A412S
CM057562		<i>PTCHI</i>	p.G110R
CM099570		<i>ABCA1</i>	p.A1010V
CM109183		<i>ABCA1</i>	p.M636V
CM020395		<i>ABCA1</i>	p.A255T
CM076367	rs371701248	<i>NR5A1</i>	p.V355M
CM106616	rs201095702	<i>NR5A1</i>	p.G212S
CM130998	rs148671305	<i>MAPKAP1</i>	p.S260N
CM051038	rs148002300	<i>ENG</i>	p.S615L
CM111548		<i>ENG</i>	p.R437Q
CM062600		<i>ENG</i>	p.R437W
CM050045		<i>ENG</i>	p.D264N
CM104970		<i>ENG</i>	p.V238E

CM040733		<i>ENG</i>	p.L8P
CM125607		<i>CIZI</i>	p.P47S
CM102535	rs118203745	<i>TSC1</i>	p.R1062W
CM993762	rs75820036	<i>TSC1</i>	p.Q654E
CM993761	rs77464996	<i>TSC1</i>	p.T417I
CM119188	rs370960854	<i>RALGDS</i>	p.A706V
CM129660	rs36220239	<i>ADAMTS13</i>	p.Q456H
CM058044	rs78977446	<i>ADAMTS13</i>	p.S903L
CM0910655		<i>INPP5E</i>	p.T426N
CM083740	rs111627256	<i>NOTCH1</i>	p.V2536I
CM083738	rs79782048	<i>NOTCH1</i>	p.E694K
CM126055		<i>OPTN</i>	p.H3Y
CM045182		<i>OPTN</i>	p.K435R
CM127849	rs138083522	<i>CUBN</i>	p.S865N
CM070049	rs121917812	<i>CACNB2</i>	p.S481L
CM106907	rs137973321	<i>NEBL</i>	p.G202R
CM107794		<i>ACBD5</i>	p.H43Y
CM100239		<i>ZEB1</i>	p.N78S

CM080639	rs567252241	<i>ZEB1</i>	p.N696S
CM011807		<i>RET</i>	p.V202M
CM065436		<i>RET</i>	p.V282L
CM057465	rs377767388	<i>RET</i>	p.G321R
CM004010		<i>RET</i>	p.V331M
CM065437	rs546866208	<i>RET</i>	p.A373V
CM001782		<i>RET</i>	p.D469N
CM962698	rs138624658	<i>RET</i>	p.R475Q
CM011808	rs537874538	<i>RET</i>	p.E480K
CM991097		<i>RET</i>	p.Q626K
CM023126	rs77711105	<i>RET</i>	p.V648I
CM003953		<i>RET</i>	p.A654T
CM033979	rs141185224	<i>RET</i>	p.R694Q
CM068590	rs377767422	<i>RET</i>	p.R833C
CM980631		<i>ERCC6</i>	p.P1042L
CM119377		<i>CHAT</i>	p.A235T
CM132491		<i>SIRT1</i>	p.L107P
CM122980	rs199476411	<i>MYPN</i>	p.A882T

CM131445		<i>DNA2</i>	p.R198H
CM094516	rs10999334	<i>NODAL</i>	p.E203K
CM971053	rs104894169	<i>NODAL</i>	p.R183Q
CM080504		<i>PRF1</i>	p.Q446R
CM080510		<i>PRF1</i>	p.R356W
CM087862	rs145463632	<i>PRF1</i>	p.G334S
CM040246	rs200430442	<i>PRF1</i>	p.R54C
CM121409		<i>PRF1</i>	p.D49N
CM114796		<i>PRF1</i>	p.R28H
CM116251	rs146370051	<i>ASCCI</i>	p.N290S
CM960954		<i>MATIA</i>	p.R199C
CM993201	rs377043137	<i>RGR</i>	p.A234T
CM022240	rs202004587	<i>PTEN</i>	p.A79T
CM109590		<i>PTEN</i>	p.G165R
CM110122		<i>PTEN</i>	p.G165R
CM065175	rs56006128	<i>FAS</i>	p.E194K
CM094354	rs144770680	<i>ANKRD1</i>	p.I280V
CM094353	rs145387010	<i>ANKRD1</i>	p.T123M

CM094350	rs114435632	<i>ANKRD1</i>	p.V107L
CM094349	rs148189486	<i>ANKRD1</i>	p.P105S
CM098790	rs267606934	<i>PDE6C</i>	p.H602L
CM078277		<i>FGF8</i>	p.D73H
CM097202	rs61754263	<i>CYP17A1</i>	p.R21K
CM984203	rs138824013	<i>COL17A1</i>	p.V991M
CM1111347		<i>BAG3</i>	p.P115S
CM111938		<i>BAG3</i>	p.A262T
CM106629	rs318240760	<i>WDR11</i>	p.A435T
CM106630	rs144440500	<i>WDR11</i>	p.R448Q
CM052827	rs201035053	<i>ACADSB</i>	p.Y283C
CM061797	rs104894229	<i>HRAS</i>	p.G12C
CM870013	rs121918101	<i>INS</i>	p.H34D
CM107602	rs13306444	<i>INS</i>	p.A23S
CM101404	rs121908259	<i>INS</i>	p.R6H
CM057176	rs199473671	<i>KCNQ1</i>	p.A46T
CM034233	rs199472694	<i>KCNQ1</i>	p.V172M
CM097147	rs150172393	<i>KCNQ1</i>	p.R195W

CM097219	rs199472780	<i>KCNQ1</i>	p.D446E
CM043853	rs199472781	<i>KCNQ1</i>	p.R451Q
CM070182	rs199472783	<i>KCNQ1</i>	p.G460S
CM133146		<i>KCNQ1</i>	p.V576I
CM055332	rs199472819	<i>KCNQ1</i>	p.L619M
CM024480	rs33993568	<i>HBB</i>	p.T88K
CM087634	rs63750840	<i>HBB</i>	p.N20K
CM023082	rs34536353	<i>HBD</i>	p.R117H
CM066879	rs63750674	<i>HBD</i>	p.Q88K
CM121726	rs142215226	<i>SMPD1</i>	p.V114M
CM042116		<i>SMPD1</i>	p.W246C
CM119180		<i>SMPD1</i>	p.F572L
CM014527		<i>TPP1</i>	p.E423D
CM050197		<i>TPP1</i>	p.R266Q
CM940054	rs147542803	<i>AMPD3</i>	p.A320V
CM051091		<i>KCNJ11</i>	p.A101D
CM107097		<i>ABCC8</i>	p.R1436G
CM1212138	rs368114790	<i>ABCC8</i>	p.R521Q

CM984620	rs185040406	<i>ABCC8</i>	p.R275Q
CM1212695	rs61910685	<i>ANO5</i>	p.S796L
CM031323	rs121907926	<i>PAX6</i>	p.T391A
CM081729		<i>PAX6</i>	p.G36E
CM065423		<i>RAG1</i>	p.K136Q
CM010089		<i>RAG2</i>	p.N474S
CM014568		<i>EXT2</i>	p.I380T
CM087406		<i>F2</i>	p.R5Q
CM830036	rs62623459	<i>F2</i>	p.E200K
CM102953		<i>LRP4</i>	p.L473F
CM081703	rs202147520	<i>MYBPC3</i>	p.G1248R
CM073210	rs371061770	<i>MYBPC3</i>	p.T1046M
CM116877	rs368180702	<i>MYBPC3</i>	p.E1017K
CM088318	rs367729718	<i>MYBPC3</i>	p.Q921E
CM086869		<i>MYBPC3</i>	p.A693S
CM115897	rs397515939	<i>MYBPC3</i>	p.R654C
CM068012		<i>MYBPC3</i>	p.M555T
CM115894		<i>MYBPC3</i>	p.V437M

CM031257	rs375774648	<i>MYBPC3</i>	p.G279A
CM132306	rs201012766	<i>MYBPC3</i>	p.R177H
CM020154	rs121909375	<i>MYBPC3</i>	p.T59A
CM115883		<i>MYBPC3</i>	p.K7R
CM973237		<i>SERPING1</i>	p.H155R
CM087069		<i>SERPING1</i>	p.A156D
CM004571		<i>SERPING1</i>	p.I274V
CM096506		<i>SERPING1</i>	p.R286C
CM973241		<i>SERPING1</i>	p.T301I
CM973242		<i>SERPING1</i>	p.T301K
CM117772		<i>SERPING1</i>	p.S377P
CM973246		<i>SERPING1</i>	p.A461V
CM127878		<i>GIF</i>	p.A229T
CM991235	rs281865209	<i>BEST1</i>	p.R13H
CM100161		<i>BEST1</i>	p.L75F
HM030039		<i>BEST1</i>	p.F113L
CM111663		<i>BEST1</i>	p.N133H
CM993516	rs281865275	<i>BEST1</i>	p.T216I

CM004442	rs281865268	<i>BEST1</i>	p.T307A
CM991244	rs281865269	<i>BEST1</i>	p.T307I
CM111706	rs111326315	<i>BEST1</i>	p.V492I
CM951138		<i>ROM1</i>	p.R242Q
CM088171		<i>SLC22A12</i>	p.R124L
CM043576	rs201181059	<i>SLC22A12</i>	p.G164S
CM1110339	rs145200251	<i>SLC22A12</i>	p.R434C
CM993969		<i>PYGM</i>	p.L116P
CM056977		<i>MEN1</i>	p.G28A
CM132040	rs397514733	<i>CTSF</i>	p.S480L
CM116099		<i>AIP</i>	p.R56C
CM122860		<i>AIP</i>	p.R188Q
CM122858		<i>AIP</i>	p.R325Q
CM041400	rs111033588	<i>NDUFS8</i>	p.R138H
CM000689		<i>DHCR7</i>	p.V353A
CM052846		<i>DHCR7</i>	p.S113C
CM130290		<i>INPPL1</i>	p.Q251H
CM113809	rs373468564	<i>UCP3</i>	p.V192I

CM113808	rs74907838	<i>UCP3</i>	p.A111V
CM113807	rs145163696	<i>UCP3</i>	p.V56M
CM011795	rs17215437	<i>KCNE3</i>	p.R83H
CM092104	rs200856070	<i>KCNE3</i>	p.T4A
CM971016		<i>MYO7A</i>	p.G955S
CM981973	rs61753177	<i>TYR</i>	p.H19Q
CM091275		<i>TYR</i>	p.D76E
CM090086	rs13312740	<i>TYR</i>	p.Q90R
CM041464		<i>TYR</i>	p.T155S
CM930714	rs61754365	<i>TYR</i>	p.R217Q
CM971548	rs61754379	<i>TYR</i>	p.T325A
CM900222	rs61754388	<i>TYR</i>	p.T373K
CM041482		<i>TYR</i>	p.E409D
CM041486		<i>TYR</i>	p.S424F
CM121589		<i>MTNR1B</i>	p.W22L
CM121590	rs369464202	<i>MTNR1B</i>	p.A52T
CM121595	rs574453327	<i>MTNR1B</i>	p.R222H
CM121596	rs552946015	<i>MTNR1B</i>	p.R330W

CM056648		<i>MMP20</i>	p.H226Q
CM133156		<i>DYNC2HI</i>	p.I2640T
CM910005	rs120074140	<i>ACAT1</i>	p.A380T
CM990203		<i>ATM</i>	p.F570S
CM023329	rs2235006	<i>ATM</i>	p.F582L
CM980136		<i>ATM</i>	p.N768D
CM0910491		<i>ATM</i>	p.M779T
CM990204		<i>ATM</i>	p.R785C
CM035780		<i>ATM</i>	p.M838V
CM095585		<i>ATM</i>	p.L1046F
CM023332	rs2229020	<i>ATM</i>	p.Q1128R
CM035634	rs147600485	<i>ATM</i>	p.N1356D
CM062567	rs387907337	<i>CRYAB</i>	p.P20S
CM092199		<i>SDHD</i>	p.A123T
CM109167		<i>SDHD</i>	p.V147M
CM101211		<i>PTS</i>	p.I18T
CM121713		<i>PTS</i>	p.S23T
CM981678		<i>PTS</i>	p.R25G

CM941200	rs104894273	<i>PTS</i>	p.R25Q
CM971281	rs104894277	<i>PTS</i>	p.V56M
CM101210		<i>PTS</i>	p.V103A
CM064187		<i>PTS</i>	p.Y113C
CM011476	rs150726932	<i>PTS</i>	p.V124L
CM087320		<i>PTS</i>	p.L127F
CM960072	rs2238008	<i>APOA4</i>	p.R264Q
CM073331	rs121434386	<i>SCN4B</i>	p.L179F
CM096299	rs72544145	<i>SCN2B</i>	p.R28Q
CM993452		<i>HMBS</i>	p.V202L
CM0911047		<i>HMBS</i>	p.D230Y
CM040225		<i>HMBS</i>	p.G236S
CM970738		<i>HMBS</i>	p.A270D
CM104099		<i>SIAE</i>	p.Y349C
CM116463	rs387906995	<i>CDON</i>	p.P689A
CM095059	rs138120505	<i>KCNJ1</i>	p.R188C
CM1110589		<i>KCNJ5</i>	p.G151E
CM133491		<i>CACNA1C</i>	p.N547S

CM133493		<i>CACNA1C</i>	p.R1780H
CM1212180		<i>KCNA5</i>	p.E48G
CM070953		<i>KCNA5</i>	p.P91L
CM093240	rs121908592	<i>KCNA5</i>	p.A576V
CM070338	rs62641244	<i>VWF</i>	p.P2722A
CM070320	rs62641242	<i>VWF</i>	p.R2313H
CM070306	rs61750618	<i>VWF</i>	p.P2145S
CM961449	rs61750598	<i>VWF</i>	p.G1672R
CM971583	rs267607344	<i>VWF</i>	p.S1543F
CM130611		<i>VWF</i>	p.R1527Q
CM130612		<i>VWF</i>	p.I1509V
CM930731	rs61750100	<i>VWF</i>	p.S1506L
CM130613		<i>VWF</i>	p.M1495L
CM095107	rs61750091	<i>VWF</i>	p.P1467S
CM930730	rs61750089	<i>VWF</i>	p.A1461V
CM074637	rs61750085	<i>VWF</i>	p.E1447Q
CM070351	rs61750073	<i>VWF</i>	p.S1378F
CM971576	rs61749388	<i>VWF</i>	p.R1308H

CM095102	rs61749382	<i>VWF</i>	p.D1302G
CM000038	rs121964895	<i>VWF</i>	p.R1205H
CM103477		<i>VWF</i>	p.C1126F
CM095091	rs61748479	<i>VWF</i>	p.M800V
CM951302	rs61748472	<i>VWF</i>	p.R782Q
CM083206		<i>VWF</i>	p.R768Q
CM045319	rs104895257	<i>TNFRSF1A</i>	p.R133Q
CM012483	rs4149584	<i>TNFRSF1A</i>	p.R121Q
CM113401	rs104895290	<i>TNFRSF1A</i>	p.H95Y
CM045318	rs34751757	<i>TNFRSF1A</i>	p.T90I
CM012481	rs4149637	<i>TNFRSF1A</i>	p.P75L
CM104767		<i>TNFRSF1A</i>	p.N54D
CM066247	rs104895271	<i>TNFRSF1A</i>	p.D41E
CM100247	rs146973734	<i>GDF3</i>	p.R195Q
CM123462		<i>GUCY2C</i>	p.D387G
CM960852	rs1800203	<i>IAPP</i>	p.S53G
CM994354	rs267607212	<i>LDHB</i>	p.W325R
CM900151	rs118203895	<i>LDHB</i>	p.R172H

CM960927		<i>LDHB</i>	p.R107W
CM014204		<i>LDHB</i>	p.G69E
CM113820	rs146882581	<i>PKP2</i>	p.T526M
CM077751		<i>PKP2</i>	p.G328R
CM105193	rs139139859	<i>PKP2</i>	p.S169G
CM115348		<i>PKP2</i>	p.N76S
CM056641	rs281865045	<i>LRRK2</i>	p.Q930R
CM043517	rs34805604	<i>LRRK2</i>	p.I1122V
CM081687	rs111691891	<i>LRRK2</i>	p.T2141M
CM119663		<i>PRICKLE1</i>	p.R682C
CM085754	rs137853050	<i>TUBA1A</i>	p.R422H
CM074616	rs137853044	<i>TUBA1A</i>	p.R402H
CM085756	rs137853048	<i>TUBA1A</i>	p.L397P
CM1010006		<i>TUBA1A</i>	p.R390C
CM970097	rs104894336	<i>AQP2</i>	p.L22V
CM950082	rs104894341	<i>AQP2</i>	p.A190T
CM024087		<i>AQP2</i>	p.V194I
CM062393	rs149664056	<i>ACVRL1</i>	p.P30S

CM060787	rs139380315	<i>ACVRL1</i>	p.H297R
CM130344		<i>ACVRL1</i>	p.I317T
CM104982		<i>ACVRL1</i>	p.N335H
CM066898	rs57282588	<i>KRT8</i>	p.G55A
CM016199	rs137853104	<i>AMHR2</i>	p.R406Q
CM984679		<i>CYP27B1</i>	p.Q65H
CM133784		<i>SRGAP1</i>	p.Q149H
CM112028	rs201867922	<i>GRIP1</i>	p.I497V
CM101928	rs139658279	<i>BBS10</i>	p.M255I
CM063876		<i>BBS10</i>	p.L170S
CM114281	rs374852145	<i>CEP290</i>	p.R2210C
CM068148	rs138526583	<i>APAF1</i>	p.E777K
CM920564	rs62644499	<i>PAH</i>	p.D415N
CM002086	rs62642911	<i>PAH</i>	p.T378S
CM950895	rs62507268	<i>PAH</i>	p.K371R
CM068054	rs63329263	<i>PAH</i>	p.K363N
CM962547	rs62507320	<i>PAH</i>	p.Y356H
CM010980	rs62516153	<i>PAH</i>	p.K341R

CM971130	rs62507319	<i>PAH</i>	p.D222G
CM992372	rs74486803	<i>PAH</i>	p.R176Q
CM011945	rs77554925	<i>PAH</i>	p.N167S
CM941128	rs199475595	<i>PAH</i>	p.I164T
CM992944	rs148393887	<i>PAH</i>	p.H100R
CM992650	rs62508695	<i>PAH</i>	p.R71H
CM981427	rs118092776	<i>PAH</i>	p.R53H
CM010948	rs199475619	<i>PAH</i>	p.R53C
CM910280	rs62642926	<i>PAH</i>	p.F39L
CM000542	rs199475662	<i>PAH</i>	p.Q20L
CM112733		<i>PAH</i>	p.S16Y
CM050697	rs104895336	<i>MVK</i>	p.V132I
CM115594		<i>MVK</i>	p.G212R
CM097631		<i>MVK</i>	p.P228L
CM050700	rs104895339	<i>MVK</i>	p.V250I
CM055448	rs104895352	<i>MVK</i>	p.R277H
CM068194	rs104895355	<i>MVK</i>	p.P288L
CM068196	rs104895356	<i>MVK</i>	p.V293M

CM990889	rs104895319	<i>MVK</i>	p.V310M
CM990890	rs28934897	<i>MVK</i>	p.V377I
CM990251		<i>ATP2A2</i>	p.G749R
CM961006	rs121913658	<i>MYL2</i>	p.P95A
CM961005	rs104894368	<i>MYL2</i>	p.E22K
CM064303		<i>HNF1A</i>	p.T10M
CM082857		<i>HNF1A</i>	p.A14V
CM133546	rs373180062	<i>HNF1A</i>	p.G47R
CM067041	rs568123980	<i>HNF1A</i>	p.T82M
CM981896		<i>HNF1A</i>	p.R159W
CM100898	rs151256267	<i>HNF1A</i>	p.P291S
CM082833		<i>HNF1A</i>	p.P467L
CM082841	rs483353044	<i>HNF1A</i>	p.E508K
CM023591		<i>HNF1A</i>	p.V567I
CM020517	rs137853242	<i>HNF1A</i>	p.R583Q
CM128624		<i>HNF1A</i>	p.G606S
CM123333	rs187433682	<i>TCTN2</i>	p.G373R
CM093108	rs372988817	<i>ATP6V0A2</i>	p.P87L

CM012137		<i>GJB2</i>	p.A197S
CM094300	rs397516876	<i>GJB2</i>	p.S138G
CM073092		<i>GJB2</i>	p.K105R
CM993707		<i>GJB2</i>	p.R98Q
CM125596	rs200674715	<i>GJB6</i>	p.M203V
CM1110302		<i>GJB6</i>	p.E101K
CM131361		<i>SACS</i>	p.V3345A
CM107950	rs144938364	<i>CENPJ</i>	p.T821M
CM1111060	rs80358674	<i>BRCA2</i>	p.Q147R
CM065022	rs397507722	<i>BRCA2</i>	p.H150R
CM980237	rs397507843	<i>BRCA2</i>	p.V211A
CM065038	rs80358956	<i>BRCA2</i>	p.D244N
CM1111061		<i>BRCA2</i>	p.M408T
CM057493	rs55816687	<i>BRCA2</i>	p.Q713L
CM1111066	rs80358589	<i>BRCA2</i>	p.M1149V
CM003132	rs397507674	<i>BRCA2</i>	p.S1179N
CM057867		<i>BRCA2</i>	p.E1895Q
CM1111064		<i>BRCA2</i>	p.M1936V

CM010171	rs80358876	<i>BRCA2</i>	p.N2135H
CM010172	rs397507875	<i>BRCA2</i>	p.Y2222C
CM023888		<i>BRCA2</i>	p.H2415R
CM012590	rs55716624	<i>BRCA2</i>	p.R2502C
CM035692	rs397508016	<i>BRCA2</i>	p.M2952V
CM032863	rs80359164	<i>BRCA2</i>	p.Q3034R
CM057985	rs200844292	<i>RBI</i>	p.G310E
CM025386		<i>RBI</i>	p.K319R
CM110345	rs148399850	<i>ATP7B</i>	p.V1297I
CM980185		<i>ATP7B</i>	p.Q1142H
CM095180		<i>ATP7B</i>	p.G1111A
CM970144	rs59959366	<i>ATP7B</i>	p.R1038K
CM087673		<i>ATP7B</i>	p.V1036I
CM125007		<i>ATP7B</i>	p.K1020R
CM053120		<i>ATP7B</i>	p.A861T
CM111988		<i>ATP7B</i>	p.T850I
CM118180	rs539585071	<i>ATP7B</i>	p.R827W
CM068335		<i>ATP7B</i>	p.K755R

CM061646	rs187046823	<i>ATP7B</i>	p.E541K
CM081181	rs138427376	<i>ATP7B</i>	p.V536A
CM994106		<i>ATP7B</i>	p.L436V
CM118177		<i>ATP7B</i>	p.P410L
CM077235		<i>ATP7B</i>	p.D196E
CM120885	rs200353554	<i>CLN5</i>	p.P21S
CM120886	rs199727787	<i>CLN5</i>	p.W75R
CM100208		<i>EDNRB</i>	p.K56T
CM066602		<i>SLITRK1</i>	p.R584K
CM001142	rs368272420	<i>F7</i>	p.V44I
CM090299		<i>F7</i>	p.V54I
CM001138		<i>F7</i>	p.F64L
CM900084	rs150525536	<i>F7</i>	p.R139Q
CM074159		<i>F7</i>	p.S163G
CM004521		<i>F7</i>	p.R170C
CM090323	rs143855920	<i>F7</i>	p.S171F
CM090325		<i>F7</i>	p.D183N
CM081606	rs372005651	<i>F7</i>	p.G184R

CM090304		<i>F7</i>	p.D272N
CM960528	rs121964931	<i>F7</i>	p.A304V
CM001151	rs147680958	<i>F7</i>	p.R307C
CM940391	rs121964929	<i>F7</i>	p.R307H
CM960529		<i>F7</i>	p.E325K
CM090308	rs146698837	<i>F7</i>	p.R326Q
CM074780		<i>F7</i>	p.G343S
CM090309		<i>F7</i>	p.R350C
CM910116	rs121964926	<i>F7</i>	p.R364Q
CM960534	rs121964930	<i>F7</i>	p.T419M
CM090322	rs3093248	<i>F7</i>	p.E445K
CM103623		<i>F10</i>	p.V8F
CM021094		<i>F10</i>	p.D135E
CM025193	rs369409423	<i>F10</i>	p.D408N
CM060829	rs121909538	<i>ANG</i>	p.R55K
CM060832	rs121909541	<i>ANG</i>	p.I70V
CM085236		<i>ANG</i>	p.N73S
CM1110461		<i>ANG</i>	p.K78R

CM121093	rs553513710	<i>ANG</i>	p.V127I
CM057744	rs142796310	<i>RPGRIP1</i>	p.T806I
CM076487	rs190490019	<i>RPGRIP1</i>	p.R812Q
CM057751	rs181758389	<i>RPGRIP1</i>	p.R852Q
CM057753	rs200657688	<i>RPGRIP1</i>	p.P882S
CM057763	rs386833816	<i>SLC7A7</i>	p.F152L
CM080553	rs386833792	<i>SLC7A7</i>	p.T5I
CM061882	rs104894466	<i>PABPN1</i>	p.G12A
CM115875	rs370328209	<i>MYH7</i>	p.R1662H
CM106108	rs141122361	<i>MYH7</i>	p.A1637T
CM081705	rs145677314	<i>MYH7</i>	p.R787C
CM071870	rs121913653	<i>MYH7</i>	p.T441M
CM034050		<i>MYH7</i>	p.S148I
CM921019		<i>MYH7</i>	p.V59I
CM011944		<i>NRL</i>	p.G122E
CM085744	rs199422321	<i>TINF2</i>	p.P236S
CM971483	rs147516124	<i>TGM1</i>	p.R687C
CM129980		<i>TGM1</i>	p.R37G

CM032215	rs121908931	<i>COCH</i>	p.A119T
CM057567	rs200560568	<i>NKX2-1</i>	p.G352S
CM115493	rs138568622	<i>SEC23A</i>	p.M702V
CM1210376	rs387907308	<i>NIN</i>	p.N1709S
CM1210375	rs187464517	<i>NIN</i>	p.Q1222R
CM091521	rs121912768	<i>BMP4</i>	p.R287H
CM091517		<i>BMP4</i>	p.R162Q
CM091516	rs202159001	<i>BMP4</i>	p.T102A
CM960729	rs41298442	<i>GCHI</i>	p.K224R
CM011356		<i>GCHI</i>	p.V191I
CM093869		<i>GCHI</i>	p.H153R
CM011337	rs41298432	<i>GCHI</i>	p.P23L
CM128767		<i>DACT1</i>	p.V702G
CM983746	rs34181110	<i>MTHFD1</i>	p.R293H
CM054833		<i>RDH12</i>	p.R234H
CM951085	rs63751416	<i>PSEN1</i>	p.L392V
CM054041	rs104894458	<i>NPC2</i>	p.P120S
CM032651	rs151220873	<i>NPC2</i>	p.V30M

CM126923	rs137854856	<i>LTBP2</i>	p.V1177M
CM052934		<i>TSHR</i>	p.P27T
CM041764	rs121434302	<i>FBLN5</i>	p.A363T
CM041761	rs121434301	<i>FBLN5</i>	p.P87S
CM830003	rs28929474	<i>SERPINA1</i>	p.E366K
CM900186	rs143370956	<i>SERPINA1</i>	p.D365N
CM083102	rs200945035	<i>SERPINA1</i>	p.K359E
CM109803	rs373630097	<i>SERPINA1</i>	p.V357M
CM012639	rs199422208	<i>SERPINA1</i>	p.E228K
CM900184	rs112030253	<i>SERPINA1</i>	p.G172R
CM900183	rs11558261	<i>SERPINA1</i>	p.G139S
CM124333	rs387906743	<i>DYNC1H1</i>	p.Y970C
CM126390	rs371775791	<i>NIPA2</i>	p.N244S
HM090075		<i>OCA2</i>	p.G824R
CM051592		<i>OCA2</i>	p.I646V
CM971081	rs140566426	<i>OCA2</i>	p.M446V
CM031307	rs183487020	<i>OCA2</i>	p.P198L
CM074577	rs373384814	<i>SPRED1</i>	p.S149N

CM042947	rs28989183	<i>BUB1B</i>	p.Q921H
CM053157	rs148538711	<i>CAPN3</i>	p.P103L
CM061671		<i>CAPN3</i>	p.V320F
CM124988	rs76116949	<i>SPG11</i>	p.K2419R
CM116343	rs138353181	<i>DUOX2</i>	p.A728T
CM066051	rs200134167	<i>DUOX2</i>	p.D506N
CM098733		<i>FBNI</i>	p.G2669V
CM108654		<i>FBNI</i>	p.D2607N
CM096453		<i>FBNI</i>	p.R1632H
CM130607		<i>FBNI</i>	p.M1384L
CM108650		<i>FBNI</i>	p.D1322H
CM117997		<i>FBNI</i>	p.N1168S
CM013926		<i>FBNI</i>	p.V1128I
CM108850	rs200879436	<i>CEP152</i>	p.K667R
CM910257	rs121912502	<i>LIPC</i>	p.S289F
CM994508		<i>LIPC</i>	p.E365Q
CM120904	rs374681194	<i>CLN6</i>	p.R252H
CM126855	rs202173526	<i>HEXA</i>	p.F434L

CM950623		<i>HEXA</i>	p.N196S
CM021492		<i>BBS4</i>	p.N165H
CM021495		<i>BBS4</i>	p.S457I
CM033338		<i>BBS4</i>	p.P503L
CM078703	rs56204206	<i>SEMA7A</i>	p.R460H
CM078702	rs55637216	<i>SEMA7A</i>	p.R207Q
CM993718	rs369326210	<i>MPI</i>	p.I398T
CM068201	rs104895418	<i>PSTPIP1</i>	p.D266N
CM111440	rs150233690	<i>POLG</i>	p.V1044A
CM114722	rs138457939	<i>POLG</i>	p.N736S
CM071924	rs121918055	<i>POLG</i>	p.S511N
CM042458	rs145843073	<i>POLG</i>	p.N468D
CM032206		<i>CACNAIH</i>	p.P648L
CM032207	rs373764821	<i>CACNAIH</i>	p.R744Q
CM032210		<i>CACNAIH</i>	p.G784S
CM051891		<i>CLCN7</i>	p.R674Q
CM0910847		<i>CLCN7</i>	p.R561Q
CM067061	rs45505895	<i>TSC2</i>	p.A1141T

CM983889	rs45517294	<i>TSC2</i>	p.V1144M
CM122780	rs397515209	<i>TSC2</i>	p.T1330M
CM114767	rs137854343	<i>TSC2</i>	p.G1642D
CM961389	rs45517393	<i>TSC2</i>	p.P1709L
CM094926		<i>PKDI</i>	p.Q4216H
CM961116		<i>PKDI</i>	p.E3632D
CM981543	rs371283948	<i>PKDI</i>	p.V3375M
CM034120		<i>PKDI</i>	p.P3355L
CM092155		<i>PKDI</i>	p.R3105W
CM971181		<i>PKDI</i>	p.L2763V
CM012643		<i>PKDI</i>	p.T2649I
CM108790	rs200037070	<i>PKDI</i>	p.H2546Y
CM068424	rs556618384	<i>PKDI</i>	p.R2477H
CM1111441	rs530832015	<i>PKDI</i>	p.P2293L
CM074415	rs148763212	<i>PKDI</i>	p.T1861I
CM022654	rs143690392	<i>PKDI</i>	p.R1340W
CM1210913		<i>PKDI</i>	p.V1206G
CM003329	rs573566419	<i>PKDI</i>	p.G1166S

CM034111		<i>PKD1</i>	p.Q164R
CM074643		<i>ABCA3</i>	p.T1423I
CM064939	rs117603931	<i>ABCA3</i>	p.R288K
CM102171	rs145087575	<i>ABCA3</i>	p.D123N
CM981247	rs104895097	<i>MEFV</i>	p.R761H
CM981246	rs61732874	<i>MEFV</i>	p.A744S
CM970914	rs28940579	<i>MEFV</i>	p.V726A
CM123814	rs545517350	<i>MEFV</i>	p.R717H
CM012154	rs104895096	<i>MEFV</i>	p.V704I
CM981245	rs104895094	<i>MEFV</i>	p.K695R
CM981244	rs104895090	<i>MEFV</i>	p.T681I
CM990839	rs28940580	<i>MEFV</i>	p.M680I
CM970911	rs28940580	<i>MEFV</i>	p.M680I
CM012152	rs104895088	<i>MEFV</i>	p.G678E
CM001237	rs104895087	<i>MEFV</i>	p.S675N
CM014209	rs104895085	<i>MEFV</i>	p.R653H
CM045304	rs104895128	<i>MEFV</i>	p.G632S
CM132562		<i>MEFV</i>	p.T577S

CM132560		<i>MEFV</i>	p.T577N
CM068192	rs104895168	<i>MEFV</i>	p.G514E
CM981243	rs104895083	<i>MEFV</i>	p.F479L
CM055427	rs104895104	<i>MEFV</i>	p.E474K
CM077597	rs104895173	<i>MEFV</i>	p.V469L
CM060334	rs104895151	<i>MEFV</i>	p.A457V
CM077595	rs11466026	<i>MEFV</i>	p.Q440E
CM123644		<i>MEFV</i>	p.L372P
CM041800	rs104895110	<i>MEFV</i>	p.E319K
CM055424	rs104895119	<i>MEFV</i>	p.P283L
CM012151	rs104895080	<i>MEFV</i>	p.E230K
CM082935	rs104895190	<i>MEFV</i>	p.R143P
CM012149	rs61754767	<i>MEFV</i>	p.R42W
CM043483	rs74892550	<i>DNASE1</i>	p.V185I
CM993357		<i>PMM2</i>	p.P69S
CM981605		<i>PMM2</i>	p.A233T
CM065149	rs148904556	<i>ERCC4</i>	p.S3L
CM065148	rs61760160	<i>ERCC4</i>	p.P6S

CM980616		<i>ERCC4</i>	p.R490Q
CM980619		<i>ERCC4</i>	p.I529T
CM053074	rs63750457	<i>ABCC6</i>	p.R1164Q
CM073960	rs72657689	<i>ABCC6</i>	p.A950T
CM073952	rs72653801	<i>ABCC6</i>	p.T944I
CM080010		<i>ABCC6</i>	p.N793K
CM073964	rs72653792	<i>ABCC6</i>	p.V787I
CM054643	rs72653791	<i>ABCC6</i>	p.A781V
CM062378	rs72653757	<i>ABCC6</i>	p.L252F
CM051234		<i>UMOD</i>	p.K307T
CM118885		<i>UMOD</i>	p.E34K
CM034834	rs149868979	<i>SCNN1B</i>	p.R563Q
CM045468	rs188536989	<i>SCNN1B</i>	p.P592S
CM101748	rs267606831	<i>FUS</i>	p.G507D
CM102461		<i>FUS</i>	p.K510E
CM091087	rs121909667	<i>FUS</i>	p.H517Q
CM091091	rs121909671	<i>FUS</i>	p.R521H
CM055112	rs104895479	<i>NOD2</i>	p.R587C

CM093286	rs151332923	<i>RPGRIP1L</i>	p.R1236C
CM093285		<i>RPGRIP1L</i>	p.R937L
CM093284	rs145572901	<i>RPGRIP1L</i>	p.V647I
CM093282		<i>RPGRIP1L</i>	p.S199G
CM122043		<i>BBS2</i>	p.R403C
CM109954	rs560910758	<i>BBS2</i>	p.Y89C
CM127055	rs147200024	<i>SLC12A3</i>	p.A13P
CM981827		<i>SLC12A3</i>	p.A226T
CM002107	rs79351185	<i>SLC12A3</i>	p.A569V
CM088268		<i>SLC12A3</i>	p.V782M
CM075009	rs186979818	<i>SLC12A3</i>	p.R977Q
CM130828	rs373092349	<i>SLC12A3</i>	p.V983I
CM1110136	rs281865495	<i>TK2</i>	p.T188A
CM064340	rs142291440	<i>TK2</i>	p.N93S
CM094574	rs281865489	<i>TK2</i>	p.R90C
CM125152		<i>LCAT</i>	p.P430L
CM065994		<i>CDH1</i>	p.T118R
CM072927		<i>CDH1</i>	p.T599S

CM100179	rs267606621	<i>AARS</i>	p.R329H
CM133710	rs34777958	<i>DNAAF1</i>	p.T590M
CM112298	rs387906918	<i>CDTI</i>	p.A66T
CM095387	rs201944035	<i>APRT</i>	p.A116T
CM114657		<i>APRT</i>	p.L33P
CM950544	rs78127134	<i>GALNS</i>	p.V488M
CM054745		<i>GALNS</i>	p.S470P
CM980821		<i>GALNS</i>	p.L395V
CM042060		<i>GALNS</i>	p.D388N
CM980820	rs150734270	<i>GALNS</i>	p.R376Q
CM042058		<i>GALNS</i>	p.P357L
CM042054		<i>GALNS</i>	p.G23R
CM086800	rs121434541	<i>CDH15</i>	p.A122V
CM041446		<i>SPG7</i>	p.A10S
CM062833		<i>MC1R</i>	p.R223Q
CM102685	rs387906971	<i>PRPF8</i>	p.S2118F
CM993195	rs121965062	<i>SERPINF2</i>	p.V411M
CM086530		<i>ASPA</i>	p.I226T

CM962726	rs372635387	<i>CHRNE</i>	p.G13R
CM003232	rs62637015	<i>AIPL1</i>	p.R302L
CM118334		<i>ACADVL</i>	p.F113L
CM061631		<i>ACADVL</i>	p.A161T
CM101566	rs398123091	<i>ACADVL</i>	p.G222R
CM146324		<i>ACADVL</i>	p.G222R
CM990107	rs2230180	<i>ACADVL</i>	p.E534K
CM990108	rs148584617	<i>ACADVL</i>	p.R615Q
CM055562		<i>TP53</i>	p.P309S
CM993905	rs55819519	<i>TP53</i>	p.R290H
CM065493		<i>TP53</i>	p.R290L
CM103211	rs146340390	<i>TP53</i>	p.P222L
CM070297		<i>TP53</i>	p.V197M
CM984589	rs371524413	<i>TP53</i>	p.R156H
CM134053	rs11540654	<i>TP53</i>	p.R110H
CM961375	rs534447939	<i>TP53</i>	p.P82L
CM074603	rs201753350	<i>TP53</i>	p.V31I
CM002033	rs61749664	<i>GUCY2D</i>	p.L41F

CM078221	rs138836357	<i>GUCY2D</i>	p.R365W
CM002037	rs61749754	<i>GUCY2D</i>	p.R540C
CM057701	rs535800696	<i>GUCY2D</i>	p.R1029S
CM114693		<i>RANGRF</i>	p.E83D
CM012931		<i>ELAC2</i>	p.G806R
CM012928	rs148419785	<i>ELAC2</i>	p.R211Q
CM004108		<i>PMP22</i>	p.S149R
CM983965	rs377335295	<i>PMP22</i>	p.V30M
CM077981	rs55916807	<i>TNFRSF13B</i>	p.R72H
CM065434		<i>RAI1</i>	p.S1212G
CM054094	rs104894633	<i>RAI1</i>	p.S1808N
CM061218	rs70937019	<i>SREBF1</i>	p.T226M
CM122178		<i>ALDH3A2</i>	p.R228H
CM000781	rs199474757	<i>NF1</i>	p.Y491C
CM000808	rs199474766	<i>NF1</i>	p.I1584V
CM950852	rs199474793	<i>NF1</i>	p.T2610A
CM043592	rs149585781	<i>TCAP</i>	p.R153H
CM105905		<i>KRT9</i>	p.M157K

CM983347	rs58730926	<i>KRT17</i>	p.R94C
CM107150		<i>JUP</i>	p.T427M
CM130012		<i>FKBP10</i>	p.P136L
CM134712		<i>FKBP10</i>	p.I230T
CM066109	rs116420871	<i>KLHL10</i>	p.Q216P
CM076546	rs113994139	<i>STAT3</i>	p.V637M
CM003005		<i>NAGLU</i>	p.G82D
CM053339		<i>NAGLU</i>	p.A246P
CM990290	rs397509269	<i>BRCA1</i>	p.Q1785H
CM087389	rs397509215	<i>BRCA1</i>	p.Y1666H
CM0910783	rs80357379	<i>BRCA1</i>	p.Y1522C
CM995146		<i>BRCA1</i>	p.G1205R
CM065006	rs55725337	<i>BRCA1</i>	p.G1201S
CM980226	rs397509037	<i>BRCA1</i>	p.V1047A
CM980225	rs397509034	<i>BRCA1</i>	p.T1025I
CM042675	rs56321129	<i>BRCA1</i>	p.M1008V
CM980223	rs397508994	<i>BRCA1</i>	p.L892S
CM042672	rs4986845	<i>BRCA1</i>	p.N723D

CM031942	rs397508934	<i>BRCA1</i>	p.P684S
CM031941	rs397508925	<i>BRCA1</i>	p.N656S
CM995147	rs397508918	<i>BRCA1</i>	p.C644W
CM031940	rs397508906	<i>BRCA1</i>	p.T582A
CM031939	rs397508895	<i>BRCA1</i>	p.T557A
CM107498	rs56272539	<i>BRCA1</i>	p.R504H
CM065005	rs28897676	<i>BRCA1</i>	p.R496C
CM960168	rs397508849	<i>BRCA1</i>	p.E421G
CM045129	rs397509062	<i>BRCA1</i>	p.S114P
CM021951	rs80357033	<i>BRCA1</i>	p.D67E
CM994572	rs397508897	<i>BRCA1</i>	p.K56R
CM1212124	rs147390654	<i>SLC4A1</i>	p.R180H
CM011816	rs28929480	<i>SLC4A1</i>	p.E90K
CM971384		<i>SLC4A1</i>	p.L73M
CM930673	rs45562031	<i>SLC4A1</i>	p.E40K
CM077189		<i>GRN</i>	p.R177H
CM134357	rs373885474	<i>GRN</i>	p.T409M
CM071798	rs63750130	<i>GRN</i>	p.R432C

CM100610	rs78299130	<i>ITGA2B</i>	p.T650M
CM111089	rs281864910	<i>ITGA2B</i>	p.S503N
CM000020		<i>ITGA2B</i>	p.P176L
HM060006		<i>ITGA2B</i>	p.P157H
CM125429		<i>ITGA2B</i>	p.P76A
CM020737	rs63750959	<i>MAPT</i>	p.R5H
CM014799	rs63751249	<i>MAPT</i>	p.I260V
CM971330		<i>SGCA</i>	p.P30L
CM061974	rs60407644	<i>SGCA</i>	p.A53T
CM971339		<i>SGCA</i>	p.I124T
CM971340	rs372210292	<i>SGCA</i>	p.E137K
CM031358	rs574376340	<i>SGCA</i>	p.R181C
CM083140		<i>SGCA</i>	p.S215F
CM070735	rs72656329	<i>COL1A1</i>	p.G1178V
CM860006	rs72656324	<i>COL1A1</i>	p.G1166C
CM070732	rs72648332	<i>COL1A1</i>	p.G431V
CM070696	rs72648317	<i>COL1A1</i>	p.G392E
CM941952	rs72667032	<i>COL1A1</i>	p.P205A

CM117851	rs151171179	<i>COL1A1</i>	p.G26D
CM130726		<i>MKS1</i>	p.T62A
CM104926		<i>CA4</i>	p.A12T
CM072913	rs121434552	<i>CA4</i>	p.R69H
CM104401	rs61735357	<i>GHI</i>	p.F51Y
CM072924	rs121912424	<i>CD79B</i>	p.G137S
CM051940	rs147750704	<i>KCNJ2</i>	p.V93I
CM070957	rs199473654	<i>KCNJ2</i>	p.G146S
CM124975		<i>GALK1</i>	p.F275Y
CM060501	rs201600711	<i>UNC13D</i>	p.R587H
CM060506	rs202020396	<i>UNC13D</i>	p.S290L
CM097547	rs17849241	<i>SOCS3</i>	p.F136L
HM090034	rs376685205	<i>GAA</i>	p.R168Q
CM066830		<i>GAA</i>	p.P266S
CM1211929		<i>GAA</i>	p.P397L
CM040063		<i>GAA</i>	p.G607D
HM090033		<i>GAA</i>	p.E762K
CM129631		<i>GAA</i>	p.D774N

CM971371	rs144143780	<i>SGSH</i>	p.Q380R
CM020184		<i>SGSH</i>	p.P288S
CM971358		<i>SGSH</i>	p.G122R
CM128236		<i>SGSH</i>	p.A30P
CM061222	rs199580307	<i>TGIF1</i>	p.V126A
CM001354	rs121909068	<i>TGIF1</i>	p.T151A
CM004614		<i>MC2R</i>	p.H139Y
CM950791		<i>MC2R</i>	p.I44M
CM1211093		<i>GATA6</i>	p.P73L
CM107170	rs387906816	<i>GATA6</i>	p.S184N
CM109536		<i>NPCI</i>	p.L1106P
CM032645		<i>NPCI</i>	p.R1059Q
CM068136	rs34084984	<i>NPCI</i>	p.N961S
CM100221		<i>NPCI</i>	p.I923V
CM053348		<i>NPCI</i>	p.K576R
CM032624	rs138184115	<i>NPCI</i>	p.A521S
CM081362		<i>NPCI</i>	p.P401L
CM053354		<i>NPCI</i>	p.R372W

CM081364		<i>NPC1</i>	p.A3T
CM0910201	rs151024019	<i>DSC2</i>	p.L732V
CM0910200		<i>DSC2</i>	p.I603T
CM108495	rs368299411	<i>DSC2</i>	p.T340A
CM132706		<i>DSC2</i>	p.N194K
CM074775	rs144799937	<i>DSC2</i>	p.E102K
CM115373		<i>DSG2</i>	p.P925S
CM003481		<i>TTR</i>	p.V48M
CM098274		<i>TTR</i>	p.G77R
CM910377	rs121918091	<i>TTR</i>	p.F84L
CM078470		<i>TTR</i>	p.F84L
CM951254		<i>TTR</i>	p.I88L
CM910617	rs121918085	<i>TTR</i>	p.I88L
CM035092		<i>TTR</i>	p.A101T
CM078471		<i>TTR</i>	p.A101V
CM014120		<i>TTR</i>	p.E112K
CM941341	rs121918089	<i>TTR</i>	p.I127V
CM900217	rs267607159	<i>TTR</i>	p.A129T

CM900218	rs121918075	<i>TTR</i>	p.Y134C
CM900219	rs76992529	<i>TTR</i>	p.V142I
CM076573	rs144965179	<i>TTR</i>	p.N144S
CM134056		<i>ATP5A1</i>	p.R329C
CM132397	rs375653841	<i>LIPG</i>	p.N52S
CM132398	rs61729804	<i>LIPG</i>	p.P73L
CM132395	rs181279169	<i>LIPG</i>	p.R389Q
CM100518	rs377767345	<i>SMAD4</i>	p.G352E
CM1010106		<i>FECH</i>	p.R164W
CM052897		<i>MC4R</i>	p.I317V
CM085531	rs138281308	<i>MC4R</i>	p.F202L
CM030690	rs121913563	<i>MC4R</i>	p.A175T
CM032285	rs13447328	<i>MC4R</i>	p.V95I
CM035773		<i>MC4R</i>	p.R18L
CM061843		<i>MC4R</i>	p.R18H
CM035774	rs142837166	<i>MC4R</i>	p.R7H
CM130999		<i>ZNF407</i>	p.Y460C
CM131000		<i>ZNF407</i>	p.P1195A

CM112153		<i>ELANE</i>	p.A131T
CM041339	rs17216656	<i>ELANE</i>	p.V219I
CM991152		<i>STK11</i>	p.K108R
CM087675		<i>STK11</i>	p.A420T
CM119917	rs146550489	<i>TICAM1</i>	p.S186L
CM120664		<i>C3</i>	p.V1658A
CM108968		<i>C3</i>	p.V762I
CM950700	rs182552223	<i>INSR</i>	p.T858A
CM121353		<i>STXBP2</i>	p.P334L
CM096296	rs121918540	<i>STXBP2</i>	p.P477L
CM090117		<i>ANGPTL4</i>	p.G77R
CM020733	rs5931	<i>LDLR</i>	p.G2R
CM057550		<i>LDLR</i>	p.G2R
CM094082	rs562712652	<i>LDLR</i>	p.D25N
CM994424	rs137853960	<i>LDLR</i>	p.A50T
CM013555		<i>LDLR</i>	p.P84S
CM970871		<i>LDLR</i>	p.Q92E
CM055378		<i>LDLR</i>	p.G98S

CM002043		<i>LDLR</i>	p.E113K
CM044657		<i>LDLR</i>	p.S123T
CM024115		<i>LDLR</i>	p.S130T
CM055395		<i>LDLR</i>	p.V145A
CM103809		<i>LDLR</i>	p.D172E
CM094959		<i>LDLR</i>	p.S195N
CM012393		<i>LDLR</i>	p.F200L
CM981184	rs201384282	<i>LDLR</i>	p.G219D
CM012394	rs200990725	<i>LDLR</i>	p.R257W
CM983993		<i>LDLR</i>	p.H285Q
CM920436		<i>LDLR</i>	p.K311R
CM071840	rs72658858	<i>LDLR</i>	p.G314R
CM983995	rs72658860	<i>LDLR</i>	p.G324S
CM920441		<i>LDLR</i>	p.D342E
CM920442		<i>LDLR</i>	p.G343S
CM013563	rs370471092	<i>LDLR</i>	p.E353K
CM1212203		<i>LDLR</i>	p.D360H
CM013564	rs138315511	<i>LDLR</i>	p.D362A

CM132114		<i>LDLR</i>	p.C377S
CM116939		<i>LDLR</i>	p.D386E
CM950761		<i>LDLR</i>	p.G396S
CM013566		<i>LDLR</i>	p.S397T
CM002349		<i>LDLR</i>	p.D415G
CM014577		<i>LDLR</i>	p.T434M
CM127659		<i>LDLR</i>	p.S486G
CM116941		<i>LDLR</i>	p.R513K
CM045619		<i>LDLR</i>	p.N515S
CM061089		<i>LDLR</i>	p.T538S
CM013577		<i>LDLR</i>	p.S572N
CM055370	rs201971888	<i>LDLR</i>	p.D589N
CM055381	rs148181903	<i>LDLR</i>	p.V613I
CM970897		<i>LDLR</i>	p.P649L
CM973627		<i>LDLR</i>	p.T659P
CM020732		<i>LDLR</i>	p.S673R
CM055380	rs368838866	<i>LDLR</i>	p.G701S

CM055374	rs200142970	<i>LDLR</i>	p.R751Q
CM014582		<i>LDLR</i>	p.E781D
CM000418		<i>LDLR</i>	p.V797L
CM055394		<i>LDLR</i>	p.V836I
CM091465	rs13306505	<i>LDLR</i>	p.A860V
CM000389		<i>GCDH</i>	p.Y113H
CM980852		<i>GCDH</i>	p.A122V
CM000390		<i>GCDH</i>	p.R128Q
CM980857		<i>GCDH</i>	p.R161Q
CM131394	rs375357230	<i>GCDH</i>	p.D220N
CM960711	rs121434373	<i>GCDH</i>	p.R227P
CM980872		<i>GCDH</i>	p.A349T
HM0711	rs141956294	<i>NOTCH3</i>	p.S978R
CM067478	rs201992877	<i>NXNLI</i>	p.K92R
CM036014	rs121912556	<i>INSL3</i>	p.R102H
CM002797	rs104894697	<i>INSL3</i>	p.P93L
CM030430	rs104894670	<i>CRLF1</i>	p.R81H
CM074245		<i>GDF1</i>	p.P312T

CM074247		<i>GDF1</i>	p.S309P
CM074244		<i>GDF1</i>	p.G262S
CM074242		<i>GDF1</i>	p.R68H
CM010452		<i>SLC7A9</i>	p.A382T
CM068440		<i>SLC7A9</i>	p.V375I
CM023824	rs121908486	<i>SLC7A9</i>	p.P261L
HM070070		<i>SLC7A9</i>	p.I120L
CM010443		<i>SLC7A9</i>	p.A70V
CM101328		<i>NPHS1</i>	p.R586G
CM044922	rs116617171	<i>NPHS1</i>	p.A22V
CM098232	rs143398211	<i>RYR1</i>	p.G2160S
CM064244	rs193922873	<i>RYR1</i>	p.G4820W
CM065111	rs139297205	<i>DLL3</i>	p.G269R
CM041083	rs104894722	<i>TGFBI</i>	p.C223R
CM004368		<i>RPS19</i>	p.P47L
CM993207		<i>RPS19</i>	p.R56Q
CM004282		<i>RPS19</i>	p.R62Q
CM993208		<i>RPS19</i>	p.R101H

CM108601		<i>RPS19</i>	p.L107R
CM043809	rs121918397	<i>APOE</i>	p.R163H
CM930032	rs5122	<i>APOC2</i>	p.E60K
CM071086	rs80356462	<i>SIX5</i>	p.A296T
CM054727		<i>FKRP</i>	p.R244H
CM013808		<i>FKRP</i>	p.P316R
CM057658	rs61748438	<i>CRX</i>	p.V66I
CM970399	rs61748459	<i>CRX</i>	p.V242M
CM057657	rs281865203	<i>CRX</i>	p.T273M
CM983740	rs1800021	<i>FUT2</i>	p.I25V
CM983742	rs1800025	<i>FUT2</i>	p.D172N
CM970544	rs56131151	<i>FUT1</i>	p.E348K
CM041812	rs28940306	<i>MYH14</i>	p.L976F
CM042373		<i>KLK12</i>	p.M245I
CM1210280	rs61747407	<i>NLRP7</i>	p.A494T
CM0910151		<i>TNNI3</i>	p.A91T
CM970159	rs121964887	<i>AVP</i>	p.G54V
CM107636	rs144734280	<i>SLC4A11</i>	p.V575M

CM081815		<i>SLC4A11</i>	p.A160T
CM060409	rs368682034	<i>PANK2</i>	p.R264Q
HM070088	rs56362942	<i>PRNP</i>	p.S97N
CM003608		<i>PRNP</i>	p.I138M
CM104613		<i>PRNP</i>	p.D167N
CM001314		<i>PRNP</i>	p.V203I
CM125973		<i>PRNP</i>	p.I215V
CM004523		<i>PRNP</i>	p.M232T
CM010926	rs149051148	<i>MKKS</i>	p.R518H
CM033397	rs142327258	<i>MKKS</i>	p.D492N
CM021299	rs137853909	<i>MKKS</i>	p.I339V
CM010922		<i>MKKS</i>	p.S236P
CM118560		<i>JAG1</i>	p.G309R
CM993738		<i>JAG1</i>	p.L79H
CM023735	rs183974372	<i>JAG1</i>	p.V45L
CM012661	rs41400249	<i>THBD</i>	p.R403K
CM103430		<i>THBD</i>	p.A236G
CM132871		<i>THBD</i>	p.D126Y

CM103429		<i>THBD</i>	p.D34E
CM083794	rs201716527	<i>VSXI</i>	p.N151S
CM072951	rs118203966	<i>CHMP4B</i>	p.E161K
CM970700		<i>GSS</i>	p.Y270C
CM073153	rs140740776	<i>JPH2</i>	p.G505S
CM010325		<i>HNF4A</i>	p.R141Q
CM900008	rs121908738	<i>ADA</i>	p.P274L
CM950013	rs61732239	<i>ADA</i>	p.R142Q
CM128871	rs149215094	<i>VAPB</i>	p.V234I
CM033966		<i>EDN3</i>	p.E48D
CM1211796	rs112433432	<i>GATA5</i>	p.F159L
CM108145		<i>COL9A3</i>	p.N324I
CM094469	rs281865068	<i>CHRNA4</i>	p.R336H
CM095345	rs117067974	<i>KCNQ2</i>	p.E515D
CM941288	rs121912444	<i>SOD1</i>	p.A5T
CM951178		<i>SOD1</i>	p.V8E
CM983780		<i>SOD1</i>	p.L68R
CM124762		<i>SOD1</i>	p.D91N

CM983681		<i>SOD1</i>	p.D91V
CM011009	rs121912459	<i>SOD1</i>	p.D97N
CM961345		<i>SOD1</i>	p.E101K
CM993507	rs16991652	<i>KCNE2</i>	p.Q9E
CM097710	rs142153692	<i>KCNE2</i>	p.V14I
CM097714	rs199473365	<i>KCNE2</i>	p.R77Q
CM097715	rs74424227	<i>KCNE2</i>	p.E94G
CM097709	rs142511345	<i>KCNE1</i>	p.T125M
CM012775	rs77442996	<i>KCNE1</i>	p.V109I
CM057110	rs199473351	<i>KCNE1</i>	p.R36H
CM122941		<i>KCNE1</i>	p.G25V
CM097698	rs144917638	<i>KCNE1</i>	p.T10M
CM074909	rs199473348	<i>KCNE1</i>	p.A8V
CM033356		<i>CBS</i>	p.Q526K
CM990352		<i>CBS</i>	p.R491C
CM950216		<i>CBS</i>	p.V454E
CM031652		<i>CBS</i>	p.R379Q
CM993934		<i>CBS</i>	p.A361T

CM980310	rs267606146	<i>CBS</i>	p.V354M
CM020261	rs34397615	<i>AIRE</i>	p.P252L
CM085227		<i>AIRE</i>	p.E298K
CM120021	rs373963624	<i>ITGB2</i>	p.P648L
CM920385	rs5030672	<i>ITGB2</i>	p.R586W
CM900147	rs137852610	<i>ITGB2</i>	p.K196T
CM131317	rs563449281	<i>COL6A2</i>	p.D215N
CM022054	rs137852934	<i>PRODH</i>	p.L289M
CM120052		<i>GNB1L</i>	p.R283Q
CM055106	rs532338041	<i>CABIN1</i>	p.P1980L
CM110393		<i>CRYBB2</i>	p.A2V
CM030419	rs137853010	<i>CHEK2</i>	p.R181C
CM030414	rs141568342	<i>CHEK2</i>	p.E64K
CM045419	rs372279458	<i>NF2</i>	p.N36S
CM025443		<i>SLC5A1</i>	p.I315L
CM110176	rs201799893	<i>SLC5A1</i>	p.R558H
CM131007		<i>TIMP3</i>	p.V108I
CM032947	rs121908675	<i>LARGE</i>	p.E509K

CM034441		<i>MYH9</i>	p.I1816V
CM1212500		<i>TMPRSS6</i>	p.H369N
CM063031	rs138672490	<i>PLA2G6</i>	p.A147T
CM090238	rs144910769	<i>PLA2G6</i>	p.R39Q
CM990119	rs28941471	<i>ADSL</i>	p.R190Q
CM960488	rs61745147	<i>CYB5R3</i>	p.E213K
CM016231		<i>CYB5R3</i>	p.M177T
CM920234	rs121965009	<i>CYB5R3</i>	p.V106M
CM060245		<i>CYB5R3</i>	p.G76S
CM056713	rs121918186	<i>UPK3A</i>	p.P273L
CM120676	rs61741871	<i>CELSR1</i>	p.P2983A
CM120674	rs199688538	<i>CELSR1</i>	p.R2438Q
CM120673	rs12170597	<i>CELSR1</i>	p.A773V
CM011972	rs121908341	<i>MLC1</i>	p.S280L
CM990186		<i>ARSA</i>	p.A466V
CM940103	rs74315466	<i>ARSA</i>	p.D171N
CM940102	rs74315465	<i>ARSA</i>	p.P169R
CM940098	rs74315461	<i>ARSA</i>	p.G124S

CM085257	rs199476339	<i>ARSA</i>	p.A20D
CM074502		<i>SHOX</i>	p.K181N
CM950098	rs122460153	<i>ARSE</i>	p.R111P
CM131396	rs2229013	<i>KALI</i>	p.V560I
CM970797		<i>KALI</i>	p.F517L
CM091807	rs267608611	<i>CDKL5</i>	p.N399T
CM071978		<i>RS1</i>	p.I195V
CM1211522	rs138727886	<i>PDHAI</i>	p.A136T
CM127355	rs397515549	<i>SMS</i>	p.F58L
CM0910542		<i>SMS</i>	p.Y328C
CM981524		<i>PHEX</i>	p.Y317F
CM970068	rs193205940	<i>NROBI</i>	p.V126M
CM115791	rs151244052	<i>DMD</i>	p.R2524H
CM093707		<i>CYBB</i>	p.G408R
CM980482	rs151344473	<i>CYBB</i>	p.G408R
CM045136		<i>CYBB</i>	p.D500Y
CM990457	rs151344487	<i>CYBB</i>	p.W516R
CM083619		<i>CYBB</i>	p.W516R

CM003474	rs62635004	<i>RPGR</i>	p.G436D
CM992211	rs62640587	<i>RPGR</i>	p.I289V
CM070254		<i>RPGR</i>	p.I195V
CM056981		<i>OTC</i>	p.A12T
CM910273	rs68031618	<i>OTC</i>	p.R26Q
CM950870	rs72554307	<i>OTC</i>	p.R40C
CM941115	rs72554308	<i>OTC</i>	p.R40H
CM062942	rs67939655	<i>OTC</i>	p.N47T
CM961052	rs72554356	<i>OTC</i>	p.T125M
CM065337		<i>NDP</i>	p.G112E
CM070250		<i>RP2</i>	p.R211H
CM113536	rs200533370	<i>SYN1</i>	p.T567A
CM002951		<i>ELK1</i>	p.T108A
CM041105	rs28933691	<i>ZNF81</i>	p.S179N
CM951327	rs146220228	<i>WAS</i>	p.E131K
CM133803		<i>CCDC22</i>	p.R128Q
CM133804		<i>CCDC22</i>	p.R321W
CM078706		<i>FOXP3</i>	p.C424Y

CM066087		<i>FOXP3</i>	p.T108M
CM061655		<i>BMP15</i>	p.R61Q
CM061656		<i>BMP15</i>	p.R76H
CM092909	rs371418883	<i>BMP15</i>	p.R138H
CM061657		<i>BMP15</i>	p.R206H
CM041254	rs104894765	<i>BMP15</i>	p.Y235C
CM061652		<i>BMP15</i>	p.I243V
CM092712		<i>HSD17B10</i>	p.P210S
CM031196	rs28935476	<i>HSD17B10</i>	p.L122V
CM020698	rs28935498	<i>FGD1</i>	p.P312L
CM114502	rs185504937	<i>ALAS2</i>	p.R218H
CM001957	rs201934623	<i>AR</i>	p.P392S
CM056297		<i>AR</i>	p.S413N
CM003403		<i>AR</i>	p.G492S
CM920071	rs137852569	<i>AR</i>	p.A597T
CM122442		<i>EDA</i>	p.G45D
HM070090		<i>EDA</i>	p.L51Q
CM122443		<i>EDA</i>	p.T57A

CM960503	rs132630309	<i>EDA</i>	p.R69L
CM0910972		<i>EDA</i>	p.G165A
CM942063		<i>IL2RG</i>	p.W240R
CM973182		<i>GJB1</i>	p.V189I
CM003316		<i>GJB1</i>	p.E208G
CM024529		<i>GJB1</i>	p.I213V
CM072910	rs137853272	<i>BRWD3</i>	p.K1596E
CM111238		<i>PCDH19</i>	p.F206Y
CM118953		<i>PCDH19</i>	p.V72G
CM040692		<i>BTK</i>	p.G584E
CM960210		<i>BTK</i>	p.R544K
HM971744	rs111422676	<i>GLA</i>	p.R363H
CM023806		<i>GLA</i>	p.R363C
CM096038		<i>GLA</i>	p.R356Q
CM025441	rs149391489	<i>GLA</i>	p.S126G
CM051521		<i>GLA</i>	p.E103Q
CM024288		<i>GLA</i>	p.M72I

CM080394		<i>GLA</i>	p.F18S
CM0910662		<i>GLA</i>	p.A15G
CM1211995		<i>GLA</i>	p.A15P
CM951199	rs61754490	<i>SERPINA7</i>	p.Y329F
CM012343	rs104886132	<i>COL4A5</i>	p.G595R
CM003665	rs104886164	<i>COL4A5</i>	p.P739S
CM010197	rs104886192	<i>COL4A5</i>	p.M898V
CM100820	rs281874709	<i>COL4A5</i>	p.G1000V
CM003670	rs104886285	<i>COL4A5</i>	p.R1511H
CM129379	rs104886305	<i>COL4A5</i>	p.S1659N
CM085479		<i>KCNE1L</i>	p.L65F
CM040003	rs121917813	<i>AGTR2</i>	p.I53F
CM021242	rs35474657	<i>AGTR2</i>	p.R324Q
CM085768		<i>ZCCHC12</i>	p.T344I
CM112387	rs148554414	<i>SH2D1A</i>	p.A3S
CM110891		<i>SH2D1A</i>	p.C42Y
CM011446		<i>OCRL</i>	p.R334P
CM056715		<i>USP26</i>	p.K734N

CM056717	rs145695346	<i>USP26</i>	p.T659M
CM056722		<i>USP26</i>	p.E500K
CM002623		<i>HPRT1</i>	p.T124S
CM044230		<i>HPRT1</i>	p.A192V
CM040505	rs104894963	<i>ZIC3</i>	p.P217A
CM940509	rs148060786	<i>F9</i>	p.R3H
CM030845		<i>F9</i>	p.C18F
CM001676		<i>F9</i>	p.C28G
CM940432	rs137852228	<i>F9</i>	p.R75Q
CM045744	rs201120367	<i>F9</i>	p.T84A
CM000151		<i>F9</i>	p.G105D
CM940472		<i>F9</i>	p.I112T
CM940484		<i>F9</i>	p.F123Y
CM045148		<i>F9</i>	p.E142K
CM910719		<i>F9</i>	p.V153A
CM940540		<i>F9</i>	p.F224L
CM094816	rs200608775	<i>F9</i>	p.V257I
CM950429		<i>F9</i>	p.N283D

CM940597	rs1801202	<i>F9</i>	p.H303Y
CM045765	rs150351950	<i>F9</i>	p.E323K
CM045753		<i>F9</i>	p.S329R
CM940655		<i>F9</i>	p.V374I
CM940740		<i>F9</i>	p.R449W
CM128720		<i>AFF2</i>	p.S660T
CM120454	rs141720810	<i>IDS</i>	p.P261A
CM128185		<i>IDS</i>	p.G134R
CM960861		<i>IDS</i>	p.G134R
CM085353	rs61740566	<i>MAMLD1</i>	p.V505A
CM050365		<i>NSDHL</i>	p.C132W
CM122283		<i>SLC6A8</i>	p.V629I
CM021046		<i>ABCD1</i>	p.M67V
CM950030	rs193922097	<i>ABCD1</i>	p.A141T
CM940037	rs128624224	<i>ABCD1</i>	p.R518W
CM000642		<i>ABCD1</i>	p.P543L
CM960043	rs201774661	<i>ABCD1</i>	p.S606P
CM064088		<i>LICAM</i>	p.A254D

CM103349		<i>LICAM</i>	p.W9R
CM014948		<i>AVPR2</i>	p.A61V
CM001624		<i>AVPR2</i>	p.S127F
CM058038	rs140258520	<i>MECP2</i>	p.P419S
CM016262	rs56268439	<i>MECP2</i>	p.E397K
CM014902	rs61753006	<i>MECP2</i>	p.P388L
CM070192	rs147017239	<i>MECP2</i>	p.A358T
CM060328	rs267608556	<i>MECP2</i>	p.L328V
CM045661	rs61749713	<i>MECP2</i>	p.T196S
CM000744		<i>MECP2</i>	p.P101L
CM012746	rs137853311	<i>FLNA</i>	p.L656F
CM790001		<i>G6PD</i>	p.R463C
CM920290	rs398123546	<i>G6PD</i>	p.R454C
CM920288		<i>G6PD</i>	p.E416K
CM920286	rs137852335	<i>G6PD</i>	p.V394L
CM930277	rs137852322	<i>G6PD</i>	p.C385R
CM066825		<i>G6PD</i>	p.L235F
CM880030	rs1050829	<i>G6PD</i>	p.N126D

CM930267	rs5030870	<i>G6PD</i>	p.D113N
CM082725	rs181277621	<i>G6PD</i>	p.R104H
CM095983		<i>IKBKG</i>	p.Q183H
CM080319		<i>F8</i>	p.M2218V
CM980717		<i>F8</i>	p.I2204T
CM002004		<i>F8</i>	p.E2200D
CM073051		<i>F8</i>	p.H2174Y
CM129828	rs200433372	<i>F8</i>	p.G2102S
CM105304		<i>F8</i>	p.H1938R
CM080257		<i>F8</i>	p.V1892I
CM980703		<i>F8</i>	p.P1801A
CM920259	rs137852375	<i>F8</i>	p.M1791T
CM010867	rs151202877	<i>F8</i>	p.R1768H
CM057441	rs374988541	<i>F8</i>	p.Q1764R
CM1212744		<i>F8</i>	p.M1730I
CM108718		<i>F8</i>	p.M1730V
CM080324		<i>F8</i>	p.S1688L
CM082643		<i>F8</i>	p.R1671H

CM053248		<i>F8</i>	p.P1660L
CM083650		<i>F8</i>	p.S1530T
CM082634	rs186353717	<i>F8</i>	p.V1511I
CM022352		<i>F8</i>	p.Q1336K
CM062655		<i>F8</i>	p.R1329H
CM066802		<i>F8</i>	p.T1314P
CM083641		<i>F8</i>	p.N1110Y
CM034807		<i>F8</i>	p.H1066Y
CM062651	rs149853218	<i>F8</i>	p.H998Q
HM090013	rs199660138	<i>F8</i>	p.D963N
CM020115		<i>F8</i>	p.G513S
CM980680		<i>F8</i>	p.R437W
CM081610		<i>F8</i>	p.G434D
CM082631		<i>F8</i>	p.R424S
CM080260		<i>F8</i>	p.K344Q
CM105566		<i>F8</i>	p.H330R
CM990535		<i>F8</i>	p.A315V

CM073053		<i>F8</i>	p.L296F
CM020413		<i>F8</i>	p.E284K
CM950389		<i>F8</i>	p.S202N
CM062638		<i>F8</i>	p.A194T
CM073045		<i>F8</i>	p.E132A
CM085394		<i>F8</i>	p.L107F
CM103762		<i>F8</i>	p.L69V
CM073043	rs187738612	<i>F8</i>	p.V64M