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AADAT	NM_016228	c.G727A	p.V243I
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AAMDC	NM_024684	c.G274A	p.V92M
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AANAT	NM_001166579	c.G221A	p.R74H
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AARS2	NM_020745	c.C2444T	p.A815V
AARS2	NM_020745	c.T2471C	p.I824T
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AARSD1	NM_001261434	c.G1049C	p.G350A
AASDH	NM_001286668	c.A2293G	p.T765A
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ABRA	NM_139166	c.A736G	p.K246E
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ACACB	NM_001093	c.G1871A	p.G624E
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ACAD10	NM_025247	c.G3118A	p.D1040N
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ACAD11	NM_032169	c.C1937A	p.A646D
ACAD11	NM_032169	c.G1464T	p.K488N
ACAD8	NM_014384	c.C512G	p.S171C
ACAD8	NM_014384	c.G1129A	p.G377S
ACAD8	NM_014384	c.G289A	p.G97R
ACAD9	NM_014049	c.C1552T	p.R518C
ACAD9	NM_014049	c.G1430A	p.R477Q
ACAD9	NM_014049	c.G928A	p.V310I
ACAD9	NM_014049	c.G976A	p.A326T
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ACADM	NM_001286043	c.G127A	p.E43K
ACADS	NM_000017	c.C511T	p.R171W
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ACADS	NM_001302554	c.G613A	p.G205S
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ACADV1	NM_001033859	c.G799A	p.G267R
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ACAN	NM_001135	c.A6235G	p.I2079V
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ACAN	NM_001135	c.G1183A	p.G395S
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ACAP1	NM_014716	c.G2119A	p.A707T
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ACAT2	NM_005891	c.A632G	p.K211R
ACBD3	NM_022735	c.A561C	p.E187D
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ACCS	NM_032592	c.G1039C	p.A347P
ACCSL	NM_001031854	c.T1585C	p.C529R
ACD	NM_001082486	c.G1406A	p.R469Q
ACD	NM_001082486	c.T1553C	p.V518A



ACD	NM_001082487	c.T1505C	p.V502A
ACD	NM_022914	c.T1544C	p.V515A
ACE	NM_000789	c.G547A	p.A183T
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ACER3	NM_018367	c.G154A	p.V52I
ACHE	NM_015831	c.C1057A	p.H353N
ACIN1	NM_001164814	c.A59G	p.N20S
ACIN1	NM_001164814	c.A933G	p.I311M
ACIN1	NM_001164814	c.C1274T	p.S425F
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ACIN1	NM_001164815	c.C1154T	p.S385F
ACIN1	NM_001164815	c.T1279C	p.S427P
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ACKR1	NM_001122951	c.C271T	p.R91C
ACKR1	NM_001122951	c.G131A	p.G44D
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ACKR1	NM_002036	c.C265T	p.R89C
ACKR1	NM_002036	c.G125A	p.G42D
ACKR1	NM_002036	c.G298A	p.A100T
ACKR2	NM_001296	c.A1118C	p.Y373S
ACKR2	NM_001296	c.G653C	p.G218A
ACKR2	NM_001296	c.T122C	p.V41A
ACLY	NM_001096	c.A525C	p.E175D
ACLY	NM_001303275	c.A687C	p.E229D
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ACOT11	NM_015547	c.C494T	p.P165L
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ACOT2	NM_006821	c.C556T	p.R186W
ACOT4	NM_152331	c.G539C	p.G180A
ACOT6	NM_001037162	c.A155G	p.H52R
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ACOT7	NM_007274	c.C1097T	p.A366V
ACOT7	NM_181864	c.C1127T	p.A376V
ACOT8	NM_005469	c.G919A	p.V307M
ACOX1	NM_001185039	c.C822G	p.I274M
ACOX1	NM_004035	c.C936G	p.I312M
ACOX1	NM_007292	c.G301A	p.G101S
ACOX2	NM_003500	c.G850A	p.G284S
ACOX2	NM_003500	c.460_461insCAGA	p.T154fs
ACOX3	NM_001101667	c.C1438T	p.R480C

ACOX3	NM_001101667	c.C311T	p.P104L
ACOX3	NM_001101667	c.C922T	p.R308W
ACOX3	NM_001101667	c.G1439C	p.R480P
ACOX3	NM_001101667	c.T1565G	p.V522G
ACOXL	NM_001142807	c.C1514T	p.P505L
ACOXL	NM_001142807	c.C550A	p.L184M
ACOXL	NM_001142807	c.C656T	p.S219L
ACOXL	NM_001142807	c.C764T	p.T255M
ACOXL	NM_001142807	c.G319A	p.E107K
ACP1	NM_001040649	c.C284T	p.T95I
ACP1	NM_004300	c.A317G	p.Q106R
ACP2	NM_001302490	c.G86A	p.R29Q
ACP2	NM_001302491	c.C28T	p.R10W
ACP5	NM_001111034	c.G442A	p.V148M
ACP5	NM_001111034	c.G598A	p.V200M
ACPT	NM_033068	c.G983C	p.G328A
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ACRBP	NM_032489	c.G526A	p.V176M
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ACSBG1	NM_001199377	c.G1612A	p.E538K
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ACSBG1	NM_015162	c.A683T	p.H228L
ACSBG1	NM_015162	c.G1624A	p.E542K
ACSBG2	NM_001289177	c.A455G	p.K152R
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ACSF3	NM_001243279	c.G1412A	p.R471Q
ACSF3	NM_001243279	c.G1456A	p.A486T
ACSF3	NM_174917	c.G49C	p.A17P
ACSF3	NM_001284316	c.G319A	p.V107M
ACSL5	NM_016234	c.A712G	p.M238V
ACSL5	NM_203379	c.A544G	p.M182V
ACSL6	NM_001205247	c.G1168A	p.E390K
ACSL6	NM_015256	c.G1273A	p.E425K
ACSM2A	NM_001010845	c.C1538T	p.S513L
ACSM2A	NM_001010845	c.G14A	p.R5Q
ACSM2B	NM_001105069	c.G1232A	p.G411D
ACSM4	NM_001080454	c.C61T	p.R21W
ACSM5	NM_017888	c.C370T	p.R124W

ACSM5	NM_017888	c.C844T	p.L282F
ACSM5	NM_017888	c.G1022A	p.R341K
ACSM5	NM_017888	c.G194A	p.R65Q
ACSM6	NM_207321	c.T118A	p.C40S
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ACTBL2	NM_001017992	c.G620A	p.R207Q
ACTBL2	NM_001017992	c.T230C	p.V77A
ACTL7B	NM_006686	c.T2C	p.M1T
ACTL8	NM_030812	c.G7T	p.A3S
ACTL9	NM_178525	c.C679A	p.H227N
ACTL9	NM_178525	c.T110C	p.F37S
ACTL9	NM_178525	c.T152C	p.V51A
ACTN1	NM_001102	c.C2597T	p.P866L
ACTN4	NM_004924	c.G2680A	p.G894S
ACTR1B	NM_005735	c.A133G	p.M45V
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ACTR8	NM_022899	c.C167T	p.T56I
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ACTRT2	NM_080431	c.G256A	p.V86M
ACTRT2	NM_080431	c.G739A	p.G247R
ACTRT3	NM_032487	c.C751G	p.L251V
ACTRT3	NM_032487	c.G700A	p.E234K
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ACVR1C	NM_001111033	c.A973G	p.I325V
ACVR1C	NM_145259	c.A1444G	p.I482V
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ACVRL1	NM_000020	c.G1157A	p.R386H
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ACVRL1	NM_001077401	c.C88T	p.P30S
ACY1	NM_001198898	c.C1051T	p.R351C
ACY3	NM_080658	c.G185A	p.R62H
ACY3	NM_080658	c.G196A	p.D66N
ACY3	NM_080658	c.G82A	p.V28I
ACY3	NM_080658	c.T613C	p.F205L
ACYP2	NM_138448	c.C11T	p.A4V
ADA	NM_000022	c.A239G	p.K80R
ADA	NM_000022	c.G22A	p.D8N
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ADAD2	NM_001145400	c.C1433T	p.T478I
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ADAD2	NM_139174	c.C1679T	p.T560I
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ADAD2	NM_139174	c.C520T	p.R174C
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ADAD2	NM_139174	c.G1867T	p.A623S
ADAD2	NM_139174	c.G919C	p.G307R
ADAL	NM_001159280	c.G680A	p.R227Q
ADAM10	NM_001110	c.C71T	p.P24L
ADAM11	NM_002390	c.C1922T	p.A641V
ADAM12	NM_001288973	c.A2713G	p.I905V
ADAM12	NM_001288973	c.G142C	p.G48R
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ADAM15	NM_207191	c.G371A	p.R124Q
ADAM15	NM_207194	c.C2305T	p.P769S
ADAM15	NM_207196	c.C2302T	p.P768S
ADAM15	NM_001261464	c.A602C	p.K201T
ADAM15	NM_001261465	c.A572C	p.K191T
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ADAM18	NM_014237	c.A2168G	p.E723G
ADAM18	NM_014237	c.T1306C	p.C436R
ADAM19	NM_033274	c.A850G	p.S284G
ADAM19	NM_033274	c.C2080T	p.P694S
ADAM19	NM_033274	c.C2570T	p.P857L
ADAM19	NM_033274	c.G10A	p.G4S
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ADAM19	NM_033274	c.G1979A	p.G660D
ADAM19	NM_033274	c.T2218G	p.S740A
ADAM2	NM_001278113	c.G1213A	p.G405S
ADAM20	NM_003814	c.G2300A	p.R767H
ADAM21	NM_003813	c.G1285C	p.E429Q
ADAM21	NM_003813	c.G520A	p.G174S
ADAM22	NM_004194	c.G382A	p.E128K
ADAM22	NM_016351	c.G619A	p.V207I
ADAM22	NM_021723	c.T14G	p.V5G
ADAM23	NM_003812	c.T373G	p.S125A
ADAM28	NM_014265	c.C1778A	p.T593K
ADAM28	NM_014265	c.G2052A	p.M684I
ADAM30	NM_021794	c.A133G	p.I45V
ADAM32	NM_145004	c.C2273T	p.T758I
ADAM32	NM_145004	c.T2003C	p.M668T
ADAM33	NM_001282447	c.C2320T	p.P774S
ADAM33	NM_001282447	c.T2291C	p.M764T
ADAM33	NM_153202	c.C1006T	p.P336S
ADAM33	NM_153202	c.C2242T	p.P748S
ADAM33	NM_153202	c.G467A	p.R156Q
ADAM33	NM_153202	c.T1543C	p.W515R
ADAM33	NM_153202	c.T1835A	p.L612H
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ADAM8	NM_001109	c.C565T	p.R189W
ADAM8	NM_001109	c.G301A	p.G101R
ADAM8	NM_001164490	c.C448T	p.R150W
ADAM8	NM_001109	c.2103_2104insCT	p.L702fs
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ADAM8	NM_001164490	c.T1774C	p.F592L
ADAM9	NM_003816	c.C2249T	p.P750L
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ADAMTS10	NM_030957	c.G217A	p.E73K
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ADAMTS12	NM_030955	c.C4240A	p.P1414T
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ADAMTS13	NM_139025	c.C1852G	p.P618A
ADAMTS13	NM_139025	c.C19T	p.R7W
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ADAMTS13	NM_139025	c.C3283T	p.R1095W
ADAMTS13	NM_139025	c.C3941T	p.S1314L
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ADAMTS13	NM_139025	c.G1816C	p.A606P
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ADAMTS13	NM_139026	c.C2606T	p.A869V
ADAMTS13	NM_139026	c.C3085T	p.R1029W
ADAMTS13	NM_139026	c.G1723C	p.A575P
ADAMTS13	NM_139026	c.G2797A	p.V933M
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ADAMTS13	NM_139027	c.C3178T	p.R1060W
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ADAMTS14	NM_080722	c.C535T	p.R179C
ADAMTS14	NM_080722	c.G3050A	p.S1017N
ADAMTS14	NM_139155	c.A2831G	p.N944S
ADAMTS14	NM_139155	c.A3155G	p.E1052G

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ADAMTS14	NM_139155	c.C2818A	p.L940M
ADAMTS14	NM_139155	c.C3331T	p.P1111S
ADAMTS14	NM_139155	c.C373T	p.R125W
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ADAMTS14	NM_139155	c.G2636A	p.R879H
ADAMTS14	NM_139155	c.G3059A	p.S1020N
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ADAMTS16	NM_139056	c.A328G	p.M110V
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ADAMTS16	NM_139056	c.C631T	p.P211S
ADAMTS16	NM_139056	c.G1456A	p.A486T
ADAMTS16	NM_139056	c.G2576T	p.R859L
ADAMTS16	NM_139056	c.G2833A	p.G945R
ADAMTS16	NM_139056	c.T310C	p.S104P
ADAMTS17	NM_139057	c.A3281G	p.N1094S
ADAMTS17	NM_139057	c.C1337T	p.T446I
ADAMTS17	NM_139057	c.C2150T	p.S717L
ADAMTS17	NM_139057	c.G1841C	p.R614P
ADAMTS17	NM_139057	c.T1445C	p.M482T
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ADAMTS18	NM_199355	c.G438C	p.Q146H
ADAMTS18	NM_199355	c.T1876A	p.L626I
ADAMTS19	NM_133638	c.A3266T	p.Y1089F
ADAMTS2	NM_014244	c.A701G	p.D234G
ADAMTS2	NM_014244	c.C3529T	p.P1177S
ADAMTS2	NM_014244	c.C655T	p.P219S
ADAMTS2	NM_014244	c.G1993A	p.G665R
ADAMTS2	NM_014244	c.G2480A	p.R827Q
ADAMTS2	NM_014244	c.G2795A	p.R932Q
ADAMTS20	NM_025003	c.A2627T	p.K876M
ADAMTS20	NM_025003	c.C3818T	p.S1273F
ADAMTS20	NM_025003	c.G3833A	p.S1278N
ADAMTS3	NM_014243	c.C1007T	p.A336V
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ADAMTS7	NM_014272	c.C920T	p.T307M
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ADAMTS9	NM_182920	c.G530A	p.R177Q
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ADAMTSL3	NM_001301110	c.C868G	p.L290V
ADAMTSL3	NM_001301110	c.G1981T	p.V661L
ADAMTSL3	NM_001301110	c.G2677A	p.E893K
ADAMTSL3	NM_207517	c.C4979T	p.T1660I
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ADCK2	NM_052853	c.C1865T	p.P622L
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ADCY2	NM_020546	c.G3145A	p.V1049I
ADCY2	NM_020546	c.G439T	p.V147L
ADCY4	NM_001198568	c.C2498T	p.T833M
ADCY4	NM_001198568	c.G2347A	p.G783R
ADCY5	NM_001199642	c.G852C	p.E284D
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ADCY5	NM_183357	c.G2347A	p.V783M
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ADCY8	NM_001115	c.G610T	p.A204S
ADCY9	NM_001116	c.A2316G	p.I772M
ADCY9	NM_001116	c.A3461G	p.N1154S
ADCY9	NM_001116	c.C524T	p.T175I
ADD1	NM_001119	c.G1378T	p.G460W
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ADH7	NM_000673	c.G275C	p.G92A
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ADNP2	NM_014913	c.C1569A	p.N523K
ADO	NM_032804	c.G73T	p.G25W
ADORA3	NM_000677	c.A742C	p.I248L
ADORA3	NM_001302679	c.A307C	p.I103L
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ADPGK	NM_031284	c.A551G	p.K184R
ADPRHL1	NM_138430	c.T182C	p.M61T
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ADPRHL1	NM_199162	c.T635G	p.L212R
ADPRM	NM_020233	c.A1010G	p.E337G
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ADRB1	NM_000684	c.A145G	p.S49G
ADRB2	NM_000024	c.G46A	p.G16R
ADRB2	NM_000024	c.G79C	p.E27Q
ADRB3	NM_000025	c.T190C	p.W64R
ADRBK1	NM_001619	c.C1100T	p.A367V
ADRM1	NM_001281437	c.C602A	p.T201N
ADRM1	NM_007002	c.C971T	p.A324V
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ADTRP	NM_001143948	c.G658A	p.V220I
ADTRP	NM_032744	c.G604A	p.V202I
AEBP1	NM_001129	c.A3397G	p.K1133E
AEBP1	NM_001129	c.C817A	p.P273T
AEN	NM_022767	c.C263G	p.S88C
AEN	NM_022767	c.G514C	p.V172L
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AFAP1	NM_001134647	c.C1208G	p.S403C
AFAP1	NM_001134647	c.G1804A	p.V602M
AFAP1	NM_198595	c.G1552A	p.V518M
AFAP1L1	NM_001146337	c.G251A	p.R84Q
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AFF1	NM_005935	c.C457A	p.P153T
AFF3	NM_001025108	c.A1556G	p.N519S
AFF3	NM_002285	c.A1481G	p.N494S
AFF4	NM_014423	c.G830C	p.S277T
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AGAP11	NM_133447	c.C1294G	p.R432G
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AGBL5	NM_021831	c.G2083A	p.V695I
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AGL	NM_000028	c.A3764G	p.N1255S
AGL	NM_000028	c.C3199T	p.P1067S
AGL	NM_000642	c.G3343A	p.G1115R
AGL	NM_000643	c.G1028A	p.R343Q
AGL	NM_000645	c.C3148T	p.P1050S
AGL	NM_000645	c.G3292A	p.G1098R
AGL	NM_000646	c.C1271T	p.S424F
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AGMO	NM_001004320	c.C49T	p.R17C
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AGT	NM_000029	c.T803C	p.M268T
AGTRAP	NM_001040195	c.C107T	p.A36V
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AGXT	NM_000030	c.A1020G	p.I340M
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AGXT	NM_000030	c.C557T	p.A186V
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AHCY	NM_000687	c.A274G	p.I92V
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AHRR	NM_001242412	c.G1879C	p.D627H
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AHSA2	NM_152392	c.G309T	p.K103N
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AIF1	NM_001623	c.G40A	p.G14R
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AIFM3	NM_001018060	c.C640T	p.R214W
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AJUBA	NM_001289097	c.G928C	p.E310Q
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AK7	NM_152327	c.C1167G	p.N389K
AK8	NM_152572	c.A389G	p.D130G
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AK8	NM_152572	c.T14C	p.I5T
AK8	NM_152572	c.T76G	p.L26V
AK9	NM_001145128	c.C2443T	p.P815S
AK9	NM_001145128	c.C5080T	p.P1694S
AK9	NM_001145128	c.T1015A	p.C339S
AK9	NM_001145128	c.409dupT	p.L137fs
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AKAP1	NM_001242902	c.G1669T	p.A557S
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AKAP11	NM_016248	c.A3209G	p.H1070R
AKAP12	NM_005100	c.A2659T	p.S887C
AKAP12	NM_005100	c.A4800C	p.E1600D
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AKAP12	NM_005100	c.C3112T	p.R1038W
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AKAP2	NM_001136562	c.C1949T	p.A650V
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AKAP3	NM_001278309	c.G664A	p.E222K
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AKAP3	NM_006422	c.C2174T	p.S725L
AKAP3	NM_006422	c.G1796A	p.R599Q
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AKAP6	NM_004274	c.A1223G	p.N408S

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AKAP9	NM_005751	c.A10858G	p.I3620V
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AKR1E2	NM_001040177	c.A257G	p.K86R
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AKR7A2	NM_003689	c.G538A	p.E180K
AKR7A3	NM_012067	c.G412A	p.V138M
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ALAD	NM_000031	c.G177C	p.K59N
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ALDH18A1	NM_001017423	c.C1109A	p.S370Y
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ALDH18A1	NM_002860	c.C1115A	p.S372Y
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ALDH3B2	NM_000695	c.A1082G	p.H361R
ALDH5A1	NM_001080	c.C538T	p.H180Y
ALDH5A1	NM_001080	c.G709T	p.A237S
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ALDH7A1	NM_001182	c.A1315C	p.K439Q
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ALG10	NM_032834	c.C866G	p.P289R
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ALG1L	NM_001195223	c.T26C	p.L9P
ALG2	NM_033087	c.C30G	p.D10E
ALG2	NM_033087	c.T1100C	p.V367A
ALG2	NM_033087	c.T31C	p.S11P
ALG3	NM_001006941	c.C1127T	p.P376L
ALG3	NM_005787	c.C1271T	p.P424L
ALG6	NM_013339	c.C1357G	p.L453V
ALG6	NM_013339	c.C911T	p.S304F
ALG6	NM_013339	c.T391C	p.Y131H
ALG8	NM_001007027	c.A665G	p.N222S
ALG8	NM_024079	c.A1507G	p.I503V
ALG8	NM_024079	c.G803A	p.R268Q
ALG9	NM_001077690	c.G865A	p.V289I
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ALK	NM_004304	c.A4472G	p.K1491R
ALK	NM_004304	c.C2039T	p.T680I
ALKBH1	NM_006020	c.A970T	p.M324L
ALKBH1	NM_006020	c.G405A	p.M135I
ALKBH2	NM_001001655	c.A421G	p.I141V
ALKBH3	NM_139178	c.C684G	p.D228E
ALKBH3	NM_139178	c.G136C	p.E46Q
ALKBH4	NM_017621	c.C740T	p.A247V
ALKBH4	NM_017621	c.T497G	p.I166S
ALKBH7	NM_032306	c.G572A	p.R191Q
ALLC	NM_018436	c.A110C	p.H37P
ALMS1	NM_015120	c.A10748T	p.Q3583L
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ALMS1	NM_015120	c.C12001T	p.R4001W
ALMS1	NM_015120	c.C6299T	p.S2100L

ALMS1	NM_015120	c.C8832G	p.N2944K
ALMS1	NM_015120	c.G12086A	p.R4029K
ALMS1	NM_015120	c.G5783A	p.R1928Q
ALMS1	NM_015120	c.G7721A	p.S2574N
ALMS1	NM_015120	c.G8478T	p.R2826S
ALMS1	NM_015120	c.T6209C	p.I2070T
ALMS1	NM_015120	c.T6333A	p.S2111R
ALMS1	NM_015120	c.T2012G	p.V671G
ALOX12	NM_000697	c.A782G	p.Q261R
ALOX12	NM_000697	c.A965G	p.N322S
ALOX12	NM_000697	c.G1211A	p.R404Q
ALOX12	NM_000697	c.G341T	p.R114L
ALOX12B	NM_001139	c.C379T	p.P127S
ALOX12B	NM_001139	c.G526A	p.E176K
ALOX15	NM_001140	c.A1807G	p.M603V
ALOX15	NM_001140	c.C1679T	p.T560M
ALOX15B	NM_001039130	c.G1370A	p.R457H
ALOX15B	NM_001039131	c.C769T	p.L257F
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ALOX15B	NM_001141	c.G1300A	p.G434S
ALOX5	NM_000698	c.G1339T	p.A447S
ALOXE3	NM_001165960	c.C298G	p.R100G
ALOXE3	NM_001165960	c.C97G	p.P33A
ALPI	NM_001631	c.G1294A	p.E432K
ALPK1	NM_001102406	c.A1925G	p.H642R
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ALPK2	NM_052947	c.C5650T	p.R1884C
ALPK2	NM_052947	c.C5737T	p.R1913C
ALPK2	NM_052947	c.G1558A	p.V520M

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ALPK2	NM_052947	c.G408T	p.R136S
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ALPK2	NM_052947	c.T2748A	p.N916K
ALPK2	NM_052947	c.T3169G	p.L1057V
ALPK2	NM_052947	c.A5C	p.K2T
ALPK2	NM_052947	c.A6469G	p.I2157V
ALPK2	NM_052947	c.C2672T	p.T891I
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ALPK3	NM_020778	c.C2287T	p.P763S
ALPK3	NM_020778	c.C3896T	p.P1299L
ALPK3	NM_020778	c.C4007T	p.A1336V
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ALPL	NM_000478	c.C211A	p.R71S
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ALPL	NM_001127501	c.C46A	p.R16S
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ALPP	NM_001632	c.A265T	p.I89L
ALPP	NM_001632	c.C1350G	p.D450E
ALPP	NM_001632	c.C575G	p.S192W
ALPP	NM_001632	c.G586A	p.V196M
ALPPL2	NM_031313	c.C1492A	p.R498S
ALPPL2	NM_031313	c.C280T	p.P94S
ALPPL2	NM_031313	c.G529A	p.G177S
ALS2	NM_020919	c.A4119G	p.I1373M
ALS2	NM_020919	c.G1102A	p.V368M
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ALS2CL	NM_001190707	c.G2101A	p.A701T
ALS2CL	NM_182775	c.G142A	p.A48T
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ALS2CR11	NM_001168216	c.C845T	p.T282I
ALS2CR11	NM_001168221	c.C1378T	p.P460S
ALS2CR12	NM_001127391	c.G127C	p.V43L
ALX1	NM_006982	c.A182G	p.H61R
ALX3	NM_006492	c.C748G	p.P250A
ALX4	NM_021926	c.G104C	p.R35T
AMACR	NM_001167595	c.G25A	p.V9M
AMACR	NM_001167595	c.G524A	p.G175D
AMACR	NM_001167595	c.G717T	p.Q239H
AMACR	NM_001167595	c.T602C	p.L201S

AMACR	NM_014324	c.C109A	p.P37T
AMACR	NM_203382	c.G556T	p.V186F
AMACR	NM_001167595	c.G829A	p.E277K
AMBN	NM_016519	c.C764T	p.A255V
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AMBP	NM_001633	c.A362G	p.Y121C
AMBRA1	NM_001267782	c.G1244A	p.R415H
AMBRA1	NM_001300731	c.G1514A	p.R505H
AMBRA1	NM_017749	c.G3115T	p.A1039S
AMDHD1	NM_152435	c.A7G	p.S3G
AMDHD1	NM_152435	c.G1039A	p.V347I
AMER2	NM_152704	c.C1454A	p.A485E
AMER2	NM_152704	c.G2010C	p.K670N
AMER2	NM_199138	c.C1097A	p.A366E
AMER2	NM_152704	c.G472C	p.A158P
AMER3	NM_001105193	c.C1300G	p.L434V
AMER3	NM_001105193	c.G2065A	p.E689K
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AMICA1	NM_001286570	c.A849G	p.I283M
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AMICA1	NM_153206	c.T548C	p.V183A
AMIGO1	NM_020703	c.G1355A	p.G452D
AMMECR1L	NM_001199140	c.G244C	p.A82P
AMOTL2	NM_001278683	c.C2119T	p.R707C
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AMOTL2	NM_016201	c.C1945T	p.R649C
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AMPD1	NM_000036	c.A959T	p.K320I
AMPD1	NM_000036	c.C242T	p.P81L
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AMPD1	NM_001172626	c.C230T	p.P77L
AMPD2	NM_001257360	c.G244A	p.A82T
AMPD3	NM_000480	c.2120delG	p.R707fs
AMPD3	NM_001025389	c.C553T	p.R185W
AMPD3	NM_001025390	c.2114delG	p.R705fs
AMPD3	NM_001025390	c.C574T	p.R192W

AMPD3	NM_001172430	c.G931T	p.V311L
AMPD3	NM_001172431	c.1616delG	p.R539fs
AMPH	NM_001635	c.C1757T	p.T586M
AMT	NM_000481	c.G631A	p.E211K
AMT	NM_001164710	c.G499A	p.E167K
AMT	NM_001164712	c.A898G	p.M300V
AMTN	NM_001286731	c.A131G	p.N44S
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AMTN	NM_212557	c.A134G	p.N45S
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AMY2B	NM_020978	c.T926C	p.V309A
AMZ1	NM_133463	c.634dupG	p.G212fs
AMZ2	NM_016627	c.A88G	p.N30D
ANAPC11	NM_001002244	c.C129G	p.S43R
ANAPC2	NM_013366	c.G2117A	p.R706H
ANAPC2	NM_013366	c.G2124T	p.E708D
ANAPC4	NM_001286756	c.G1397A	p.R466Q
ANAPC4	NM_013367	c.G1394A	p.R465Q
ANAPC5	NM_001137559	c.C1307T	p.A436V
ANAPC5	NM_016237	c.C1643T	p.A548V
ANAPC7	NM_001137664	c.G98A	p.S33N
ANG	NM_001097577	c.A232G	p.K78E
ANG	NM_001097577	c.C61T	p.P21S
ANG	NM_001145	c.G3A	p.M1I
ANGEL1	NM_015305	c.G1147C	p.V383L
ANGEL1	NM_015305	c.T1544G	p.F515C
ANGEL2	NM_144567	c.A958G	p.I320V
ANGEL2	NM_144567	c.C289T	p.P97S
ANGPT1	NM_001146	c.C770A	p.T257K
ANGPT2	NM_001118887	c.A778T	p.T260S
ANGPT2	NM_001118888	c.A622T	p.T208S
ANGPTL3	NM_014495	c.T776C	p.M259T
ANGPTL4	NM_001039667	c.C683T	p.T228M
ANGPTL4	NM_139314	c.C797T	p.T266M
ANGPTL4	NM_139314	c.G118A	p.E40K
ANGPTL4	NM_139314	c.G833A	p.R278Q
ANGPTL4	NM_139314	c.G961A	p.G321S
ANGPTL5	NM_178127	c.C803T	p.T268M
ANGPTL5	NM_178127	c.C574T	p.R192W
ANGPTL6	NM_031917	c.C1072T	p.R358C
ANHX	NM_001191054	c.C689G	p.S230C
ANK1	NM_000037	c.C4385T	p.A1462V
ANK1	NM_000037	c.G1856A	p.R619H
ANK1	NM_000037	c.G3019A	p.V1007M
ANK1	NM_000037	c.G3932A	p.R1311Q
ANK1	NM_000037	c.G997A	p.D333N
ANK1	NM_001142446	c.G2618A	p.R873Q
ANK1	NM_020476	c.G2495A	p.R832Q
ANK2	NM_001127493	c.A4346G	p.E1449G
ANK2	NM_001127493	c.G5509A	p.E1837K



ANK2	NM_001148	c.C8503T	p.P2835S
ANK2	NM_001148	c.C9923G	p.T3308S
ANK2	NM_001148	c.T7106C	p.V2369A
ANK3	NM_020987	c.A9368G	p.K3123R
ANK3	NM_020987	c.C5006T	p.P1669L
ANK3	NM_020987	c.C8655A	p.H2885Q
ANK3	NM_020987	c.G8988C	p.Q2996H
ANKAR	NM_144708	c.1500_1501insAA	p.F500fs
ANKAR	NM_144708	c.A1673G	p.K558R
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ANKDD1A	NM_182703	c.A1063G	p.K355E
ANKEF1	NM_001303472	c.G1658A	p.R553Q
ANKEF1	NM_022096	c.G2225A	p.R742Q
ANKFN1	NM_153228	c.C881A	p.P294H
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ANKH	NM_054027	c.G560A	p.R187Q
ANKHD1	NM_017747	c.C7156G	p.P2386A
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ANKHD1-EIF4EBP3	NM_020690	c.G3077C	p.C1026S
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ANKLE1	NM_001278443	c.G220A	p.A74T
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ANKLE1	NM_001278445	c.G157A	p.A53T
ANKLE1	NM_001278445	c.T617G	p.L206W

ANKLE1	NM_152363	c.A1466G	p.Q489R
ANKLE2	NM_015114	c.C364T	p.H122Y
ANKLE2	NM_015114	c.C442G	p.Q148E
ANKLE2	NM_015114	c.C530T	p.S177L
ANKLE2	NM_015114	c.G2038A	p.E680K
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ANKLE2	NM_015114	c.G2672C	p.G891A
ANKMY1	NM_001282771	c.A1539G	p.I513M
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ANKMY1	NM_001282780	c.G991T	p.V331L
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ANKMY1	NM_016552	c.A1272G	p.I424M
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ANKMY2	NM_020319	c.C1258T	p.L420F
ANKRD10	NM_001286721	c.A265G	p.T89A
ANKRD10	NM_017664	c.C866T	p.T289M
ANKRD10	NM_017664	c.C959T	p.P320L
ANKRD11	NM_001256182	c.C2039G	p.T680S
ANKRD11	NM_001256182	c.C2912T	p.A971V
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ANKRD11	NM_001256183	c.C5509T	p.P1837S
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ANKRD11	NM_013275	c.C3977T	p.T1326M
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ANKRD11	NM_013275	c.G925A	p.A309T
ANKRD12	NM_001083625	c.A2648G	p.K883R
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ANKRD12	NM_001204056	c.C1451T	p.T484I
ANKRD12	NM_001204056	c.C760G	p.P254A
ANKRD12	NM_001204056	c.T5203C	p.S1735P
ANKRD12	NM_015208	c.A2717G	p.K906R
ANKRD12	NM_015208	c.C1520T	p.T507I
ANKRD12	NM_015208	c.C829G	p.P277A
ANKRD12	NM_015208	c.T5272C	p.S1758P
ANKRD13A	NM_033121	c.T1514C	p.L505P
ANKRD13D	NM_207354	c.G490A	p.E164K
ANKRD16	NM_019046	c.G307A	p.A103T

ANKRD16	NM_001009941	c.A1058G	p.Q353R
ANKRD18A	NM_147195	c.A1451G	p.N484S
ANKRD18A	NM_147195	c.A2552G	p.Q851R
ANKRD18A	NM_147195	c.A452G	p.E151G
ANKRD18A	NM_147195	c.G388A	p.E130K
ANKRD18B	NM_001244752	c.C2860T	p.P954S
ANKRD18B	NM_001244752	c.G197A	p.R66K
ANKRD2	NM_020349	c.G405C	p.E135D
ANKRD22	NM_144590	c.A443C	p.Q148P
ANKRD22	NM_144590	c.C67T	p.R23W
ANKRD23	NM_144994	c.G137A	p.R46Q
ANKRD24	NM_133475	c.C719T	p.P240L
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ANKRD33	NM_001304459	c.C872G	p.P291R
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AOC2	NM_001158	c.A13G	p.I5V
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AOC2	NM_009590	c.C1970A	p.A657D
AOC3	NM_001277731	c.G1277A	p.R426H
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AP1S3	NM_001039569	c.C97T	p.R33W

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APOC4	NM_001646	c.T107C	p.L36P
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APOL1	NM_001136540	c.G764A	p.R255K
APOL1	NM_001136541	c.G394A	p.E132K
APOL1	NM_001136541	c.G630A	p.M210I
APOL1	NM_001136541	c.G710A	p.R237K
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APOL3	NM_145640	c.G694A	p.V232M
APOL3	NM_145641	c.G94A	p.V32M
APOL3	NM_145640	c.C117A	p.S39R
APOL5	NM_030642	c.C1217G	p.S406C
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APP	NM_201413	c.T2087G	p.V696G
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APRT	NM_001030018	c.G266A	p.R89Q
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AQP1	NM_198098	c.G148A	p.V50M
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AQP6	NM_001652	c.G700A	p.V234I
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ARL10	NM_173664	c.G573C	p.E191D
ARL11	NM_138450	c.C392T	p.P131L
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ARL13B	NM_001174150	c.C1043G	p.T348S
ARL13B	NM_001174151	c.C734G	p.T245S
ARL16	NM_001040025	c.A28C	p.S10R
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ARL2	NM_001199745	c.T341C	p.V114A
ARL2	NM_001667	c.T422C	p.V141A
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ARMC2	NM_001286609	c.T2C	p.M1T
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ARMC2	NM_032131	c.T497C	p.M166T
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ARMC7	NM_024585	c.C410T	p.T137I
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ARMC9	NM_025139	c.C1645T	p.R549C
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ARMT1	NM_001286562	c.G592A	p.A198T
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ARRDC2	NM_001025604	c.T1172C	p.L391P
ARRDC2	NM_001286826	c.G410A	p.R137Q
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ARSB	NM_000046	c.A629G	p.Y210C
ARSB	NM_000046	c.G1072A	p.V358M
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ARSG	NM_001267727	c.C1192T	p.R398W
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ARSG	NM_001267727	c.C707G	p.T236S
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ARSG	NM_001267727	c.T820C	p.W274R
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ARSI	NM_001012301	c.C1015T	p.R339W
ARSI	NM_001012301	c.C289T	p.R97W
ARSI	NM_001012301	c.G1114A	p.D372N
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ARSJ	NM_024590	c.G1244A	p.R415Q
ARSK	NM_198150	c.A1574G	p.Q525R
ART1	NM_004314	c.C302G	p.T101S
ART1	NM_004314	c.T770C	p.L257P
ART3	NM_001130016	c.C1088T	p.S363L
ART3	NM_001130017	c.C1022T	p.S341L
ART3	NM_001179	c.C1055T	p.S352L
ART4	NM_021071	c.C898G	p.L300V
ART4	NM_021071	c.G793A	p.D265N
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ART5	NM_053017	c.G530A	p.R177H
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ARTN	NM_001136215	c.A56G	p.Q19R
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ARVCF	NM_001670	c.T2486C	p.V829A
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AS3MT	NM_020682	c.T860C	p.M287T
ASAH1	NM_001127505	c.G107A	p.S36N
ASAH1	NM_001127505	c.G187A	p.V63I
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ASAH1	NM_001127505	c.G35C	p.R12P
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ASAH1	NM_004315	c.A325G	p.I109V
ASAH1	NM_004315	c.G262A	p.V88M
ASAH1	NM_004315	c.T420A	p.D140E
ASAH1	NM_177924	c.A277G	p.I93V



ASAH1	NM_177924	c.G214A	p.V72M
ASAH1	NM_177924	c.T372A	p.D124E
ASAP1	NM_001247996	c.A2161G	p.I721V
ASAP1	NM_018482	c.A2182G	p.I728V
ASAP2	NM_001135191	c.G2244C	p.E748D
ASAP3	NM_001143778	c.C2123A	p.A708D
ASAP3	NM_017707	c.C2150A	p.A717D
ASB10	NM_001142459	c.C1204A	p.P402T
ASB10	NM_001142460	c.C470T	p.A157V
ASB10	NM_080871	c.C1159A	p.P387T
ASB13	NM_024701	c.A512G	p.N171S
ASB15	NM_001290258	c.G1070C	p.G357A
ASB15	NM_080928	c.C170T	p.P57L
ASB15	NM_080928	c.T1232C	p.M411T
ASB16	NM_080863	c.G700A	p.A234T
ASB16	NM_080863	c.T991G	p.S331A
ASB16	NM_080863	c.A189T	p.Q63H
ASB16	NM_080863	c.A625G	p.S209G
ASB17	NM_080868	c.G5A	p.S2N
ASB17	NM_080868	c.G857A	p.R286H
ASB18	NM_212556	c.C1219A	p.H407N
ASB18	NM_212556	c.G310A	p.A104T
ASB2	NM_001202429	c.A694G	p.N232D
ASB2	NM_001202429	c.A746G	p.N249S
ASB2	NM_016150	c.A550G	p.N184D
ASB2	NM_016150	c.A602G	p.N201S
ASB8	NM_024095	c.G779A	p.R260H
ASCC1	NM_001198800	c.G100A	p.D34N
ASCC2	NM_001242906	c.C1039T	p.P347S
ASCC2	NM_001242906	c.G991C	p.D331H
ASCC2	NM_032204	c.A1637G	p.D546G
ASCC2	NM_032204	c.C1267T	p.P423S
ASCC2	NM_032204	c.G1219C	p.D407H
ASCC2	NM_032204	c.G1526A	p.R509Q
ASCC3	NM_001284271	c.C436T	p.L146F
ASCC3	NM_006828	c.A3608G	p.Y1203C
ASCC3	NM_006828	c.A6527G	p.Y2176C
ASCL3	NM_020646	c.G164T	p.R55L
ASGR1	NM_001197216	c.136delG	p.E46fs
ASGR1	NM_001197216	c.G403C	p.A135P
ASGR1	NM_001671	c.253delG	p.E85fs
ASGR1	NM_001671	c.G520C	p.A174P
ASGR2	NM_001181	c.G253A	p.G85R
ASGR2	NM_080914	c.G196A	p.G66R
ASIC3	NM_020321	c.G367A	p.A123T
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ASIC5	NM_017419	c.G182A	p.R61H
ASL	NM_000048	c.C337T	p.R113W
ASL	NM_001024943	c.C392T	p.T131M

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ASNS	NM_001178076	c.T380A	p.V127E
ASNS	NM_001673	c.T629A	p.V210E
ASNSD1	NM_019048	c.C680T	p.S227L
ASNSD1	NM_019048	c.T1301C	p.M434T
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ASPDH	NM_001024656	c.G5A	p.G2E
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ASPDH	NM_001114598	c.G266A	p.R89H
ASPDH	NM_001114598	c.G781A	p.V261I
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ASPSCR1	NM_024083	c.C1454T	p.A485V
ASRGL1	NM_001083926	c.G97A	p.V33M
ASS1	NM_000050	c.G349A	p.G117S
ASTL	NM_001002036	c.A665G	p.Q222R
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ASTN1	NM_001286164	c.G3398A	p.R1133H
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ASTN1	NM_001286164	c.A2771G	p.H924R
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ASTN2	NM_198186	c.G106A	p.E36K
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ASUN	NM_018164	c.T197C	p.M66T
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ASXL1	NM_015338	c.G3306T	p.E1102D
ASXL2	NM_018263	c.A380G	p.K127R
ASXL2	NM_018263	c.A553G	p.S185G
ASXL2	NM_018263	c.G1489A	p.A497T

ASXL2	NM_018263	c.G3224A	p.R1075Q
ASXL3	NM_030632	c.A2861G	p.N954S
ASXL3	NM_030632	c.A4036G	p.I1346V
ASXL3	NM_030632	c.A5122G	p.M1708V
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ASZ1	NM_001301821	c.798delA	p.K266fs
ASZ1	NM_001301822	c.173dupA	p.K58fs
ATAD2	NM_014109	c.T4084C	p.C1362R
ATAD3A	NM_001170535	c.C1721T	p.A574V
ATAD3A	NM_001170535	c.C229G	p.L77V
ATAD3A	NM_018188	c.G44A	p.G15D
ATAD3B	NM_031921	c.C1721T	p.A574V
ATAD3B	NM_031921	c.C1735T	p.R579C
ATAD3C	NM_001039211	c.C26T	p.A9V
ATAD3C	NM_001039211	c.G1009A	p.G337R
ATAD5	NM_024857	c.A2095C	p.N699H
ATAD5	NM_024857	c.A404G	p.E135G
ATAD5	NM_024857	c.C259T	p.P87S
ATAD5	NM_024857	c.T4255C	p.Y1419H
ATAT1	NM_001031722	c.G902T	p.G301V
ATAT1	NM_024909	c.G938T	p.G313V
ATF1	NM_005171	c.C571G	p.P191A
ATF5	NM_001193646	c.C362T	p.P121L
ATF5	NM_001193646	c.C742T	p.R248C
ATF5	NM_001290746	c.G769A	p.V257M
ATF6	NM_007348	c.A199G	p.M67V
ATF6	NM_007348	c.C469T	p.P157S
ATF6	NM_007348	c.T59C	p.F20S
ATF6B	NM_001136153	c.A1793T	p.H598L
ATF6B	NM_001136153	c.G1619A	p.R540Q
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ATG10	NM_001131028	c.C659A	p.P220H
ATG14	NM_014924	c.G1396A	p.A466T
ATG16L1	NM_001190266	c.A646G	p.T216A
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ATG4B	NM_013325	c.G559A	p.V187I
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ATHL1	NM_025092	c.C2135T	p.P712L
ATHL1	NM_025092	c.C364T	p.R122C
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ATHL1	NM_025092	c.G991A	p.G331R
ATIC	NM_004044	c.C347G	p.T116S
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ATM	NM_000051	c.A5071C	p.S1691R
ATM	NM_000051	c.C3161G	p.P1054R
ATM	NM_000051	c.C3695T	p.S1232F
ATM	NM_000051	c.C6988G	p.L2330V
ATM	NM_000051	c.G5557A	p.D1853N
ATM	NM_000051	c.T4324C	p.Y1442H
ATM	NM_000051	c.T1744C	p.F582L
ATMIN	NM_001300728	c.T250C	p.S84P
ATMIN	NM_015251	c.T718C	p.S240P
ATOH8	NM_032827	c.G485A	p.R162H
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ATP10A	NM_024490	c.C1595T	p.T532M
ATP10A	NM_024490	c.G1426A	p.G476S
ATP10A	NM_024490	c.G2350A	p.A784T
ATP10A	NM_024490	c.G2500A	p.E834K
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ATP10A	NM_024490	c.G3535A	p.A1179T
ATP10B	NM_025153	c.A2593G	p.N865D
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ATP10B	NM_025153	c.G2242T	p.V748L
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ATP10D	NM_020453	c.A2159G	p.N720S
ATP10D	NM_020453	c.C2146A	p.P716T
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ATP10D	NM_020453	c.T511C	p.C171R
ATP11A	NM_015205	c.G2743A	p.A915T
ATP11A	NM_015205	c.G3271A	p.V1091I
ATP11A	NM_032189	c.A949G	p.M317V
ATP11B	NM_014616	c.T1295A	p.I432N
ATP12A	NM_001185085	c.A1378C	p.N460H
ATP12A	NM_001185085	c.C1097T	p.S366L
ATP12A	NM_001185085	c.G2050A	p.A684T
ATP12A	NM_001676	c.A1360C	p.N454H
ATP12A	NM_001676	c.C1079T	p.S360L
ATP12A	NM_001676	c.G2032A	p.A678T
ATP12A	NM_001676	c.G680A	p.R227Q
ATP13A1	NM_020410	c.G1666A	p.E556K
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ATP13A2	NM_001141974	c.A3361T	p.T1121S
ATP13A2	NM_001141974	c.C2183T	p.T728M
ATP13A2	NM_001141974	c.C3365T	p.P1122L
ATP13A2	NM_001141974	c.C3371T	p.P1124L
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ATP13A4	NM_032279	c.A1938T	p.E646D
ATP13A4	NM_032279	c.A543G	p.I181M
ATP13A4	NM_032279	c.T1091C	p.V364A
ATP13A5	NM_198505	c.A394C	p.M132L
ATP13A5	NM_198505	c.C2030T	p.A677V
ATP13A5	NM_198505	c.C287A	p.S96Y
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ATP13A5	NM_198505	c.170dupG	p.W57fs
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ATP2A1	NM_004320	c.G2536A	p.A846T
ATP2A3	NM_005173	c.A1277G	p.D426G
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ATP2A3	NM_174953	c.C2020T	p.R674C
ATP2A3	NM_174955	c.A3107G	p.E1036G
ATP2B2	NM_001001331	c.G2165A	p.R722Q
ATP2B2	NM_001683	c.G1756A	p.V586M
ATP2C2	NM_001286527	c.A1396T	p.M466L
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ATP2C2	NM_001291454	c.A943T	p.M315L
ATP2C2	NM_001291454	c.C1936T	p.R646W
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ATP4A	NM_000704	c.A1226G	p.H409R
ATP4A	NM_000704	c.A2039T	p.Q680L
ATP4A	NM_000704	c.T794C	p.V265A
ATP4B	NM_000705	c.G133A	p.V45M
ATP5B	NM_001686	c.A770G	p.N257S
ATP5F1	NM_001688	c.A250G	p.I84V
ATP5I	NM_007100	c.C28T	p.L10F
ATP5J2-PTCD1	NM_001198879	c.C1661T	p.S554F
ATP5J2-PTCD1	NM_001198879	c.C278T	p.A93V
ATP5O	NM_001697	c.A218G	p.K73R
ATP5S	NM_001003803	c.C53T	p.P18L
ATP5SL	NM_001167867	c.A119G	p.N40S
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ATP5SL	NM_001167871	c.G395C	p.C132S
ATP5SL	NM_018035	c.G476C	p.C159S
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ATP6V0A1	NM_001130021	c.T1922C	p.V641A
ATP6V0A2	NM_012463	c.G2054A	p.R685Q
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ATP6V0D1	NM_004691	c.C247T	p.R83C
ATP6V0E2	NM_001100592	c.G88A	p.A30T
ATP6V1B1	NM_001692	c.C815T	p.A272V
ATP6V1B1	NM_001692	c.C89T	p.T30I
ATP6V1B1	NM_001692	c.G481A	p.E161K
ATP6V1B1	NM_001692	c.T2C	p.M1T
ATP6V1B2	NM_001693	c.G11A	p.R4Q
ATP6V1B2	NM_001693	c.G40T	p.A14S
ATP6V1C2	NM_001039362	c.A427G	p.N143D
ATP6V1E2	NM_080653	c.T362C	p.L121P
ATP6V1G3	NM_133326	c.G107A	p.R36Q
ATP6V1H	NM_213620	c.A232G	p.I78V
ATP7B	NM_000053	c.A3620G	p.H1207R

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ATP7B	NM_001243182	c.A628G	p.I210V
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ATP7B	NM_001243182	c.T3086C	p.V1029A
ATP7B	NM_001243182	c.T883G	p.S295A
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ATP7B	NM_000053	c.G2855A	p.R952K
ATP7B	NM_000053	c.T3419C	p.V1140A
ATP7B	NM_001005918	c.A2009G	p.K670R
ATP7B	NM_001005918	c.T2798C	p.V933A
ATP8A1	NM_001105529	c.A2738G	p.K913R
ATP8A1	NM_006095	c.A1634G	p.N545S
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ATP8A2	NM_016529	c.G2278A	p.V760M
ATP8B1	NM_005603	c.A2771G	p.Y924C
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ATP8B2	NM_001005855	c.G901A	p.E301K
ATP8B2	NM_020452	c.G1000A	p.E334K
ATP8B3	NM_001178002	c.G1711A	p.V571I
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ATP8B4	NM_024837	c.A674G	p.N225S
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ATP8B4	NM_024837	c.C58G	p.R20G
ATP8B4	NM_024837	c.G1605T	p.L535F
ATP9B	NM_198531	c.A2194T	p.M732L
ATPAF1	NM_022745	c.G985A	p.V329I
ATPAF2	NM_145691	c.A722G	p.E241G
ATPAF2	NM_145691	c.G511A	p.V171M
ATPIF1	NM_178190	c.A187G	p.R63G
ATR	NM_001184	c.A4405G	p.T1469A
ATR	NM_001184	c.C268T	p.H90Y
ATR	NM_001184	c.G2875A	p.V959M
ATR	NM_001184	c.G7274A	p.R2425Q
ATR	NM_001184	c.G891C	p.K297N
ATR	NM_001184	c.G946A	p.V316I
ATR	NM_001184	c.T5987C	p.M1996T
ATR	NM_001184	c.T632C	p.M211T
ATR	NM_001184	c.T6394G	p.Y2132D
ATRAID	NM_001170795	c.G625T	p.A209S

ATRAID	NM_016085	c.G307C	p.D103H
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ATRIP	NM_001271022	c.C1630T	p.P544S
ATRIP	NM_001271022	c.G1724A	p.R575Q
ATRIP	NM_001271023	c.G1826A	p.R609Q
ATRN	NM_139321	c.A2629G	p.N877D
ATRNL1	NM_001276282	c.A1168G	p.I390V
ATRNL1	NM_207303	c.G2966A	p.S989N
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AUH	NM_001698	c.G730A	p.D244N
AUNIP	NM_001287490	c.A245C	p.K82T
AUNIP	NM_024037	c.779_780insATCAGTGAAA	p.E260fs
AUP1	NM_181575	c.G1012A	p.V338I
AURKA	NM_198434	c.A169G	p.I57V
AURKAIP1	NM_001127229	c.G321C	p.Q107H
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AUTS2	NM_001127231	c.G2527A	p.G843R
AUTS2	NM_001127231	c.G907T	p.A303S
AVEN	NM_020371	c.A683G	p.Q228R
AVEN	NM_020371	c.A728C	p.E243A
AVIL	NM_006576	c.C688T	p.R230C
AVIL	NM_006576	c.G605A	p.R202H
AVL9	NM_015060	c.C955T	p.P319S
AVL9	NM_015060	c.T1238C	p.M413T
AVL9	NM_015060	c.T769A	p.C257S
AVP	NM_000490	c.C105G	p.D35E
AVP	NM_000490	c.C77T	p.P26L
AVPI1	NM_021732	c.C122G	p.A41G
AVPI1	NM_021732	c.T107G	p.L36R
AVPR1B	NM_000707	c.G1091A	p.R364H
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AXDND1	NM_144696	c.G1721T	p.R574L
AXIN1	NM_003502	c.G1549A	p.V517I
AXIN1	NM_003502	c.G2522A	p.R841Q
AXIN1	NM_181050	c.C1577T	p.A526V
AXIN1	NM_181050	c.G1948A	p.G650S
AXIN2	NM_004655	c.A1168G	p.S390G
AXIN2	NM_004655	c.C148T	p.P50S
AXIN2	NM_004655	c.C1685T	p.P562L
AXIN2	NM_004655	c.G1070A	p.R357H
AXIN2	NM_004655	c.G2272A	p.A758T



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B3GALT5	NM_001278650	c.T254C	p.M85T
B3GALT5	NM_033172	c.C452T	p.P151L
B3GALT5	NM_033172	c.T266C	p.M89T
B3GALT1L	NM_194318	c.G1108A	p.E370K
B3GNT3	NM_014256	c.A34G	p.T12A
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B3GNT4	NM_030765	c.G743A	p.R248H
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B3GNT7	NM_145236	c.G697A	p.V233I
B3GNT8	NM_198540	c.A409G	p.S137G
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B9D2	NM_030578	c.A33G	p.I11M
BAAT	NM_001127610	c.G59A	p.R20Q
BACE1	NM_138971	c.T1221A	p.D407E
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BACE2	NM_012105	c.G1378A	p.A460T
BACH1	NM_206866	c.C603G	p.D201E
BACH2	NM_001170794	c.C2158A	p.P720T
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BACH2	NM_001170794	c.G1656T	p.Q552H
BAG3	NM_004281	c.C1220T	p.P407L
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BAG3	NM_004281	c.C772T	p.R258W
BAG3	NM_004281	c.G212A	p.R71Q
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BAG6	NM_004639	c.C3101T	p.P1034L
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BAHD1	NM_014952	c.G877A	p.V293I
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BANK1	NM_001083907	c.G1057A	p.A353T
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BANK1	NM_001127507	c.C510G	p.S170R
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BANK1	NM_017935	c.C909G	p.S303R
BANK1	NM_017935	c.G1147A	p.A383T
BANK1	NM_017935	c.G182A	p.R61H
BANK1	NM_017935	c.T152C	p.V51A
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BARD1	NM_000465	c.G1519A	p.V507M
BARD1	NM_000465	c.G1670C	p.C557S
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BARD1	NM_001282543	c.C70T	p.P24S
BARD1	NM_001282543	c.G1462A	p.V488M
BARD1	NM_001282548	c.A802G	p.I268V
BARX2	NM_003658	c.T190C	p.S64P
BATF2	NM_138456	c.G16A	p.G6S
BAZ1A	NM_013448	c.G4226A	p.R1409K
BAZ1A	NM_013448	c.T4098A	p.N1366K
BAZ1A	NM_182648	c.A3856G	p.I1286V
BAZ1A	NM_182648	c.G4130A	p.R1377K
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BAZ1B	NM_032408	c.G4019A	p.R1340K
BAZ2A	NM_013449	c.C3551G	p.S1184C
BAZ2A	NM_013449	c.G3421C	p.G1141R
BAZ2B	NM_001289975	c.C1583T	p.P528L
BAZ2B	NM_001289975	c.G5305A	p.D1769N
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BBS1	NM_024649	c.T1169G	p.M390R

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BBS10	NM_024685	c.C1616T	p.P539L
BBS12	NM_001178007	c.G1157A	p.R386Q
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BBS2	NM_031885	c.A367G	p.I123V
BBS4	NM_033028	c.A137G	p.K46R
BBS4	NM_033028	c.T1061C	p.I354T
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BBS5	NM_152384	c.A551G	p.N184S
BBS7	NM_176824	c.A1505G	p.H502R
BBS9	NM_001033604	c.A2488G	p.T830A
BBS9	NM_001033604	c.G1363A	p.A455T
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BBX	NM_001142568	c.G1324A	p.A442T
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BCAR3	NM_001261410	c.A1118G	p.E373G
BCAS1	NM_003657	c.C70A	p.Q24K
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BCAS1	NM_003657	c.T1747C	p.S583P
BCAS3	NM_001099432	c.G2695A	p.G899S
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BCAT1	NM_005504	c.A437G	p.K146R
BCAT2	NM_001190	c.C298G	p.Q100E
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BCHE	NM_000055	c.G1253T	p.G418V
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BCKDHA	NM_000709	c.835delT	p.Y279fs

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BCKDHA	NM_000709	c.C452T	p.T151M
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BCL2L13	NM_001270733	c.C238T	p.P80S
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BCL3	NM_005178	c.G488A	p.R163Q
BCL6	NM_001130845	c.G1477A	p.A493T
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BCL6	NM_001706	c.G492T	p.E164D
BCL6B	NM_181844	c.A734C	p.E245A
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BCL7A	NM_001024808	c.A359C	p.N120T
BCL9	NM_004326	c.C1858T	p.R620C
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BCLAF1	NM_001077441	c.C1382T	p.S461L
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BCLAF1	NM_014739	c.C2272A	p.P758T
BCO1	NM_017429	c.A801T	p.R267S
BCO1	NM_017429	c.G1622A	p.C541Y
BCO2	NM_001037290	c.T590C	p.L197P
BCR	NM_004327	c.A2729G	p.Y910C
BCR	NM_021574	c.G138T	p.E46D
BCR	NM_021574	c.G2845A	p.V949I
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BDH2	NM_020139	c.A209G	p.N70S
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BDKRB1	NM_000710	c.G721A	p.G241R
BDKRB2	NM_000623	c.C40T	p.R14C
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BEST3	NM_001282614	c.A1102G	p.K368E
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BEST3	NM_152439	c.A455C	p.Q152P
BEST4	NM_153274	c.C851T	p.P284L
BEST4	NM_153274	c.G200A	p.R67Q
BFAR	NM_016561	c.G943A	p.V315I
BFAR	NM_016561	c.T419G	p.M140R
BFSP1	NM_001195	c.C887T	p.A296V
BFSP1	NM_001195	c.G46C	p.E16Q
BFSP1	NM_001278606	c.C470T	p.A157V
BHLHE23	NM_080606	c.C714G	p.H238Q
BHMT	NM_001713	c.G595A	p.G199S
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BICC1	NM_001080512	c.T2827C	p.S943P
BIK	NM_001197	c.C77T	p.T26I
BIN1	NM_139346	c.C778G	p.L260V
BIN1	NM_139350	c.C1078T	p.R360C
BIN1	NM_139350	c.C1133T	p.T378M
BIN1	NM_139350	c.C1279T	p.R427C
BIN1	NM_139351	c.C1043T	p.T348M
BIN2	NM_001290007	c.G65A	p.S22N
BIN2	NM_001290008	c.G239A	p.S80N
BIN2	NM_001290007	c.A1507G	p.N503D
BIN2	NM_001290008	c.A1585G	p.N529D
BIN2	NM_001290009	c.A1213G	p.N405D

BIN2	NM_016293	c.A1681G	p.N561D
BIN3	NM_018688	c.A560G	p.Y187C
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BIRC6	NM_016252	c.C10807G	p.L3603V
BIRC7	NM_022161	c.C178T	p.R60W
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BIRC7	NM_139317	c.G778A	p.V260M
BIRC8	NM_033341	c.C586T	p.H196Y
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BLM	NM_000057	c.3259delT	p.F1087fs
BLM	NM_000057	c.C2603T	p.P868L
BLM	NM_000057	c.G3961A	p.V1321I
BLM	NM_001287247	c.G3568A	p.V1190I
BLM	NM_001287248	c.2134delT	p.F712fs
BLMH	NM_000386	c.A1327G	p.I443V
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BLOC1S4	NM_018366	c.C566T	p.S189L
BLOC1S5	NM_001199322	c.T328C	p.Y110H
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BLVRA	NM_000712	c.A167G	p.Q56R
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BLVRB	NM_000713	c.C332T	p.S111L
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BMP1	NM_006129	c.G2432A	p.R811Q
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BMP2	NM_001200	c.T109G	p.S37A
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BMP2K	NM_017593	c.G1213A	p.G405S
BMP2K	NM_198892	c.A3169T	p.N1057Y
BMP2K	NM_198892	c.C3005G	p.T1002S
BMP2K	NM_198892	c.G2462A	p.R821K

BMP3	NM_001201	c.G575A	p.R192Q
BMP3	NM_001201	c.T199A	p.Y67N
BMP4	NM_001202	c.T455C	p.V152A
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BMP5	NM_021073	c.T380A	p.I127K
BMP6	NM_001718	c.C1135T	p.R379W
BMP6	NM_001718	c.A772C	p.I258L
BMP7	NM_001719	c.A962G	p.N321S
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BMPR2	NM_001204	c.G2324A	p.S775N
BMS1	NM_014753	c.A1955G	p.K652R
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BPHL	NM_001302777	c.G706A	p.D236N
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BPI	NM_001725	c.C1063T	p.P355S
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BPI	NM_001725	c.C587T	p.A196V
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BPIFA3	NM_001042439	c.G298A	p.V100I
BPIFA3	NM_178466	c.G406A	p.V136I
BPIFB1	NM_033197	c.A280T	p.I94F
BPIFB1	NM_033197	c.C1391G	p.T464S
BPIFB1	NM_033197	c.G497A	p.R166H
BPIFB2	NM_025227	c.C188T	p.A63V



BPIFB2	NM_025227	c.C337T	p.P113S
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BPIFB3	NM_182658	c.C1002G	p.H334Q
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BPIFB6	NM_174897	c.A1039G	p.S347G
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BPIFC	NM_174932	c.A1436C	p.E479A
BPIFC	NM_174932	c.G904C	p.V302L
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BPTF	NM_182641	c.A3914G	p.D1305G
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BRCA1	NM_007294	c.4035delA	p.E1345fs
BRCA1	NM_007294	c.A1067G	p.Q356R
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BRCA1	NM_007297	c.A3407G	p.K1136R
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BRCA2	NM_000059	c.A6485G	p.K2162R
BRCA2	NM_000059	c.A68T	p.D23V
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BRD1	NM_001304808	c.G2188A	p.A730T
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BRD4	NM_058243	c.G3290A	p.R1097H
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BRD8	NM_001300962	c.C1346T	p.T449M
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BRDT	NM_001242805	c.C184A	p.Q62K
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BRDT	NM_001242806	c.C2099T	p.P700L
BRDT	NM_001242807	c.C1949T	p.P650L
BRDT	NM_001242810	c.C1868T	p.P623L
BRF1	NM_001242786	c.G1675A	p.G559R
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BRICD5	NM_182563	c.A91G	p.S31G
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BRICD5	NM_182563	c.G608A	p.R203Q
BRINP1	NM_014618	c.C1922T	p.S641L
BRINP2	NM_021165	c.C1168G	p.L390V
BRIP1	NM_032043	c.C517T	p.R173C
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BRPF3	NM_015695	c.A529G	p.S177G
BRPF3	NM_015695	c.C2489T	p.S830F

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BRSK1	NM_032430	c.G2245A	p.G749S
BRWD1	NM_001007246	c.C247G	p.Q83E
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BSCCL2	NM_001130702	c.A803G	p.K268R
BSDC1	NM_001143889	c.A532G	p.I178V
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BSN	NM_003458	c.C10324T	p.R3442W
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BSPRY	NM_017688	c.C1121T	p.T374I
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BST1	NM_004334	c.G374A	p.R125H
BST1	NM_004334	c.T550G	p.S184A
BSX	NM_001098169	c.C31G	p.P11A
BTAF1	NM_003972	c.A2038G	p.M680V
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BTBD16	NM_144587	c.A1269G	p.I423M
BTBD16	NM_144587	c.A1316C	p.H439P
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BTBD17	NM_001080466	c.C488A	p.A163E
BTBD7	NM_001002860	c.C3208T	p.P1070S
BTBD8	NM_183242	c.A407G	p.K136R
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BTD	NM_001281724	c.C268G	p.Q90E
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BTN3A1	NM_001145008	c.C1210A	p.P404T
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BTN3A1	NM_007048	c.C1366A	p.P456T
BTN3A2	NM_001197246	c.G500C	p.R167T
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BTN3A2	NM_007047	c.G544A	p.A182T
BTNL2	NM_001304561	c.A1078G	p.S360G
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BTNL8	NM_001040462	c.A184G	p.S62G
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BTNL8	NM_001159707	c.A79G	p.T27A
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BTNL8	NM_001159709	c.A52G	p.T18A
BTNL8	NM_001159709	c.C602A	p.T201K
BTNL8	NM_001159709	c.G310A	p.E104K
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BTNL8	NM_024850	c.G931A	p.G311R
BTNL9	NM_152547	c.G1531C	p.G511R
BTRC	NM_001256856	c.G1549T	p.A517S
BTRC	NM_003939	c.G1519T	p.A507S
BTRC	NM_033637	c.G1627T	p.A543S
BUB1B	NM_001211	c.A3094C	p.N1032H
BUB1B	NM_001211	c.C119T	p.T40M
BUB1B	NM_001211	c.G1046A	p.R349Q
BUB1B	NM_001211	c.G2763C	p.Q921H

BUD13	NM_001159736	c.C443T	p.P148L
BUD13	NM_032725	c.C358T	p.R120C
BVES	NM_001199563	c.C1043A	p.P348Q
BVES	NM_147147	c.T842C	p.L281P
BYSL	NM_004053	c.C1276T	p.P426S
BYSL	NM_004053	c.G307A	p.E103K
BZRAP1	NM_001261835	c.A1541G	p.Q514R
BZRAP1	NM_001261835	c.A2450G	p.Q817R
BZRAP1	NM_001261835	c.A5156G	p.H1719R
BZRAP1	NM_001261835	c.C1576T	p.R526C
BZRAP1	NM_001261835	c.C3625T	p.R1209W
BZRAP1	NM_001261835	c.C4693T	p.R1565C
BZRAP1	NM_001261835	c.C4703T	p.T1568M
BZRAP1	NM_001261835	c.G1756A	p.A586T
BZRAP1	NM_001261835	c.G236A	p.G79E
BZRAP1	NM_001261835	c.G3901A	p.D1301N
BZRAP1	NM_001261835	c.G4165A	p.A1389T
BZRAP1	NM_001261835	c.G5462A	p.G1821E
BZRAP1	NM_001261835	c.G644T	p.R215L
BZRAP1	NM_004758	c.A5183G	p.H1728R
BZRAP1	NM_024418	c.A2270G	p.Q757R
BZRAP1	NM_024418	c.A5003G	p.H1668R
BZRAP1	NM_024418	c.C3445T	p.R1149W
BZRAP1	NM_024418	c.C4513T	p.R1505C
BZRAP1	NM_024418	c.G3721A	p.D1241N
C10orf11	NM_032024	c.C458T	p.S153F
C10orf111	NM_153244	c.A194T	p.K65M
C10orf111	NM_153244	c.G209A	p.R70K
C10orf113	NM_001010896	c.A214G	p.R72G
C10orf113	NM_001010896	c.G328C	p.D110H
C10orf12	NM_015652	c.A1603C	p.I535L
C10orf12	NM_015652	c.A1666C	p.T556P
C10orf12	NM_015652	c.G3115A	p.V1039I
C10orf120	NM_001010912	c.C571T	p.R191C
C10orf120	NM_001010912	c.C59A	p.T20K
C10orf120	NM_001010912	c.G288C	p.R96S
C10orf120	NM_001010912	c.G805A	p.A269T
C10orf128	NM_001010863	c.T47C	p.V16A
C10orf2	NM_021830	c.C799G	p.L267V
C10orf25	NM_001039380	c.C182T	p.P61L
C10orf25	NM_001039380	c.T188A	p.I63N
C10orf35	NM_145306	c.G8A	p.R3Q
C10orf53	NM_182554	c.A295G	p.R99G
C10orf54	NM_022153	c.A571G	p.I191V
C10orf54	NM_022153	c.T561G	p.D187E
C10orf62	NM_001009997	c.G363C	p.E121D
C10orf62	NM_001009997	c.T449C	p.I150T
C10orf67	NM_153714	c.T47C	p.I16T
C10orf71	NM_001135196	c.A134G	p.D45G
C10orf71	NM_001135196	c.A1382C	p.D461A

C10orf71	NM_001135196	c.C1016A	p.A339E
C10orf71	NM_001135196	c.C1998G	p.H666Q
C10orf71	NM_001135196	c.C624G	p.N208K
C10orf71	NM_001135196	c.G1429A	p.G477R
C10orf71	NM_001135196	c.G959T	p.R320L
C10orf90	NM_001004298	c.C1674G	p.D558E
C10orf90	NM_001004298	c.G1507T	p.V503F
C10orf90	NM_001004298	c.G784A	p.D262N
C10orf95	NM_024886	c.G253T	p.A85S
C11orf1	NM_022761	c.G200A	p.R67H
C11orf1	NM_022761	c.19_20insTC	p.L7fs
C11orf16	NM_020643	c.C431T	p.P144L
C11orf16	NM_020643	c.C931G	p.P311A
C11orf16	NM_020643	c.G1325A	p.R442Q
C11orf16	NM_020643	c.G628C	p.V210L
C11orf16	NM_020643	c.G848T	p.C283F
C11orf24	NM_022338	c.G290T	p.G97V
C11orf24	NM_022338	c.G448A	p.A150T
C11orf40	NM_144663	c.285dupC	p.D95fs
C11orf42	NM_173525	c.G371A	p.R124H
C11orf42	NM_173525	c.G461A	p.R154Q
C11orf42	NM_173525	c.C724T	p.P242S
C11orf52	NM_080659	c.C68G	p.T23R
C11orf68	NM_001135635	c.G519A	p.M173I
C11orf68	NM_031450	c.G516A	p.M172I
C11orf70	NM_032930	c.C754T	p.R252C
C11orf74	NM_001276724	c.G649A	p.E217K
C11orf84	NM_138471	c.G296A	p.R99Q
C11orf88	NM_001100388	c.57delC	p.C19fs
C11orf88	NM_001100388	c.T250G	p.F84V
C11orf94	NM_001080446	c.G133A	p.A45T
C12orf10	NM_021640	c.A1058G	p.H353R
C12orf29	NM_001009894	c.G712C	p.V238L
C12orf40	NM_001031748	c.A1403T	p.K468M
C12orf40	NM_001031748	c.A1687G	p.T563A
C12orf42	NM_001099336	c.A33C	p.E11D
C12orf42	NM_001099336	c.A787C	p.S263R
C12orf42	NM_001099336	c.G107A	p.S36N
C12orf42	NM_001278420	c.A502C	p.S168R
C12orf43	NM_001286197	c.C407T	p.A136V
C12orf45	NM_152318	c.A22C	p.K8Q
C12orf49	NM_024738	c.A164G	p.Q55R
C12orf49	NM_024738	c.G98A	p.S33N
C12orf50	NM_152589	c.A917G	p.Q306R
C12orf50	NM_152589	c.G965A	p.R322H
C12orf54	NM_152319	c.C184T	p.R62W
C12orf56	NM_001099676	c.G256A	p.D86N
C12orf57	NM_001301834	c.C62T	p.A21V
C12orf60	NM_175874	c.A194G	p.K65R
C12orf60	NM_175874	c.T309A	p.N103K

C12orf60	NM_175874	c.550_551insTA	p.M184fs
C12orf65	NM_001194995	c.G44A	p.R15Q
C12orf71	NM_001080406	c.C503T	p.P168L
C14orf159	NM_001102366	c.C1495T	p.R499W
C14orf159	NM_001102366	c.G1504A	p.D502N
C14orf159	NM_001102367	c.G710A	p.S237N
C14orf159	NM_001102368	c.C443T	p.A148V
C14orf159	NM_001102369	c.G1429A	p.A477T
C14orf159	NM_001286470	c.G725A	p.S242N
C14orf159	NM_001286471	c.G1540A	p.V514I
C14orf166	NM_016039	c.G394C	p.A132P
C14orf177	NM_182560	c.G31A	p.E11K
C14orf183	NM_001014830	c.A127G	p.S43G
C14orf183	NM_001014830	c.T74C	p.M25T
C14orf37	NM_001001872	c.C1624G	p.Q542E
C14orf37	NM_001001872	c.G1005C	p.E335D
C14orf39	NM_174978	c.C1570T	p.L524F
C14orf39	NM_174978	c.C917T	p.A306V
C14orf79	NM_174891	c.C118G	p.R40G
C14orf79	NM_174891	c.T665A	p.F222Y
C14orf80	NM_001134875	c.A613G	p.S205G
C14orf80	NM_001134875	c.C601T	p.R201C
C14orf80	NM_001134875	c.G323A	p.R108Q
C14orf80	NM_001134877	c.G200A	p.R67Q
C14orf80	NM_001198983	c.G206A	p.R69Q
C14orf93	NM_001130708	c.C578T	p.A193V
C15orf32	NM_001301106	c.G49A	p.A17T
C15orf39	NM_015492	c.C1418A	p.P473H
C15orf39	NM_015492	c.C2717T	p.P906L
C15orf39	NM_015492	c.G1231A	p.G411S
C15orf39	NM_015492	c.G355C	p.A119P
C15orf39	NM_015492	c.T1606G	p.S536A
C15orf40	NM_001160113	c.A47C	p.N16T
C15orf40	NM_001160113	c.C31T	p.L11F
C15orf40	NM_001160114	c.T73C	p.C25R
C15orf40	NM_001160115	c.C41T	p.T14I
C15orf40	NM_144597	c.C379T	p.R127C
C15orf43	NM_152448	c.C92G	p.P31R
C15orf52	NM_207380	c.C735G	p.I245M
C15orf52	NM_207380	c.G1580A	p.R527H
C15orf52	NM_207380	c.G937A	p.G313R
C15orf53	NM_207444	c.C7G	p.L3V
C15orf53	NM_207444	c.G392A	p.R131H
C15orf54	NM_001302797	c.C176T	p.T59M
C15orf56	NM_001039905	c.C355T	p.P119S
C15orf57	NM_001080791	c.A32T	p.K11I
C15orf57	NM_001080792	c.A5T	p.K2I
C16orf13	NM_001040160	c.G565A	p.A189T
C16orf13	NM_001040165	c.G505A	p.A169T
C16orf13	NM_001288710	c.A382C	p.I128L

C16orf46	NM_001100873	c.T1003C	p.Y335H
C16orf46	NM_001100873	c.T863C	p.I288T
C16orf52	NM_001164579	c.A370C	p.N124H
C16orf58	NM_022744	c.C1272G	p.H424Q
C16orf59	NM_025108	c.C1264T	p.R422C
C16orf59	NM_025108	c.G839A	p.R280H
C16orf62	NM_020314	c.G2914A	p.A972T
C16orf71	NM_139170	c.A1061G	p.Q354R
C16orf71	NM_139170	c.C1067T	p.S356F
C16orf71	NM_139170	c.C1394T	p.P465L
C16orf71	NM_139170	c.C327G	p.N109K
C16orf71	NM_139170	c.C427T	p.P143S
C16orf71	NM_139170	c.C569T	p.S190L
C16orf71	NM_139170	c.C904T	p.R302C
C16orf71	NM_139170	c.G264C	p.E88D
C16orf74	NM_206967	c.A36T	p.Q12H
C16orf78	NM_144602	c.G595A	p.E199K
C16orf82	NM_001145545	c.C316A	p.H106N
C16orf82	NM_001145545	c.G244A	p.G82S
C16orf82	NM_001145545	c.G320A	p.R107Q
C16orf89	NM_001098514	c.T887C	p.L296S
C16orf89	NM_152459	c.G304A	p.A102T
C16orf91	NM_001272051	c.A268T	p.I90F
C16orf92	NM_001109660	c.C155A	p.A52E
C16orf92	NM_001109660	c.C179T	p.P60L
C17orf102	NM_207454	c.G292C	p.G98R
C17orf102	NM_207454	c.G464A	p.R155K
C17orf104	NM_001145080	c.A1901G	p.Y634C
C17orf104	NM_001145080	c.A959C	p.N320T
C17orf47	NM_001038704	c.G1381A	p.G461S
C17orf47	NM_001038704	c.C262A	p.P88T
C17orf53	NM_001171251	c.A1487C	p.N496T
C17orf53	NM_001171251	c.A376C	p.T126P
C17orf62	NM_001100408	c.C103T	p.L35F
C17orf64	NM_181707	c.C455T	p.P152L
C17orf70	NM_025161	c.A1433G	p.Q478R
C17orf70	NM_025161	c.A410G	p.D137G
C17orf70	NM_025161	c.C1850T	p.S617L
C17orf70	NM_025161	c.C1979T	p.P660L
C17orf70	NM_025161	c.G667T	p.A223S
C17orf70	NM_025161	c.A2449G	p.T817A
C17orf74	NM_175734	c.C967T	p.R323C
C17orf74	NM_175734	c.G1085A	p.R362H
C17orf74	NM_175734	c.G127A	p.V43M
C17orf74	NM_175734	c.T322G	p.S108A
C17orf77	NM_001302809	c.99_100insAGCT	p.K33fs
C17orf77	NM_001302809	c.A141C	p.R47S
C17orf77	NM_152460	c.C203A	p.P68H
C17orf77	NM_152460	c.C32T	p.T11I
C17orf78	NM_173625	c.C455G	p.T152S



C17orf78	NM_173625	c.G311A	p.R104H
C17orf80	NM_001100621	c.G1260C	p.Q420H
C17orf80	NM_001100621	c.T1066C	p.F356L
C17orf80	NM_001100621	c.T1186C	p.C396R
C17orf80	NM_001100622	c.C1369A	p.R457S
C17orf80	NM_001100622	c.G1564A	p.A522T
C17orf82	NM_203425	c.C371T	p.A124V
C17orf82	NM_203425	c.G451C	p.A151P
C17orf82	NM_203425	c.G58T	p.A20S
C17orf82	NM_203425	c.T557C	p.L186P
C17orf85	NM_001114118	c.A107C	p.E36A
C17orf98	NM_001080465	c.A140G	p.Q47R
C17orf98	NM_001080465	c.C182T	p.P61L
C18orf21	NM_001201474	c.A130G	p.T44A
C18orf21	NM_031446	c.A394G	p.T132A
C18orf54	NM_001288981	c.G440C	p.R147P
C18orf65	NM_001272093	c.G416A	p.R139K
C18orf8	NM_013326	c.C65A	p.P22H
C19orf12	NM_001031726	c.A424G	p.K142E
C19orf12	NM_001282930	c.G121A	p.V41M
C19orf12	NM_031448	c.A392C	p.K131T
C19orf12	NM_031448	c.G313A	p.V105M
C19orf35	NM_198532	c.C46T	p.P16S
C19orf35	NM_198532	c.C68T	p.T23M
C19orf40	NM_001300978	c.C188T	p.S63L
C19orf40	NM_001300978	c.T290C	p.I97T
C19orf40	NM_152266	c.C473T	p.S158L
C19orf40	NM_152266	c.T575C	p.I192T
C19orf44	NM_032207	c.C1691T	p.P564L
C19orf45	NM_198534	c.A767G	p.D256G
C19orf45	NM_198534	c.C27G	p.C9W
C19orf47	NM_001256440	c.G476A	p.R159H
C19orf48	NM_001290149	c.C250T	p.R84C
C19orf48	NM_001290150	c.C308T	p.P103L
C19orf53	NM_014047	c.A116G	p.K39R
C19orf54	NM_198476	c.C970T	p.R324W
C19orf54	NM_198476	c.G209C	p.R70P
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C19orf57	NM_024323	c.A1499G	p.Q500R
C19orf57	NM_024323	c.C1319T	p.P440L
C19orf57	NM_024323	c.C1473A	p.D491E
C19orf57	NM_024323	c.C274G	p.L92V
C19orf57	NM_024323	c.T1463C	p.I488T
C19orf70	NM_205767	c.C10T	p.R4W
C19orf71	NM_001135580	c.C248T	p.P83L
C19orf73	NM_018111	c.A316G	p.S106G
C19orf73	NM_018111	c.G290A	p.R97H
C19orf73	NM_018111	c.G70A	p.V24M
C19orf80	NM_018687	c.C175T	p.R59W
C1GALT1	NM_020156	c.T782A	p.I261N

C1orf105	NM_001300760	c.A259G	p.M87V
C1orf105	NM_001300760	c.G380A	p.S127N
C1orf105	NM_139240	c.G410A	p.S137N
C1orf106	NM_001142569	c.A743T	p.Y248F
C1orf106	NM_018265	c.A1040T	p.Y347F
C1orf106	NM_018265	c.T341A	p.I114N
C1orf109	NM_001303030	c.A251G	p.E84G
C1orf110	NM_178550	c.G279T	p.R93S
C1orf112	NM_018186	c.G1441T	p.A481S
C1orf116	NM_023938	c.68dupA	p.D23fs
C1orf116	NM_023938	c.A319G	p.T107A
C1orf116	NM_023938	c.G1457A	p.R486H
C1orf116	NM_023938	c.G565A	p.A189T
C1orf116	NM_001083924	c.T592C	p.S198P
C1orf122	NM_001142726	c.A112G	p.K38E
C1orf122	NM_198446	c.A301G	p.K101E
C1orf123	NM_001304759	c.G286A	p.G96R
C1orf127	NM_001170754	c.A1507G	p.T503A
C1orf127	NM_001170754	c.C976G	p.R326G
C1orf127	NM_001170754	c.T1598A	p.V533D
C1orf127	NM_001170754	c.T857C	p.I286T
C1orf131	NM_152379	c.G230A	p.G77D
C1orf141	NM_001276351	c.A431G	p.Q144R
C1orf141	NM_001276351	c.1016_1017insAATGA	p.E339fs
C1orf141	NM_001276351	c.G565A	p.V189I
C1orf146	NM_001012425	c.A188T	p.K63M
C1orf158	NM_152290	c.T571C	p.F191L
C1orf159	NM_017891	c.A401G	p.K134R
C1orf162	NM_001300834	c.G7A	p.G3S
C1orf167	NM_001010881	c.G3199A	p.G1067R
C1orf168	NM_001004303	c.C868T	p.L290F
C1orf174	NM_207356	c.C158G	p.T53R
C1orf177	NM_152607	c.C298T	p.R100W
C1orf177	NM_152607	c.G350A	p.R117Q
C1orf177	NM_152607	c.G376T	p.G126C
C1orf194	NM_001122961	c.C398T	p.S133F
C1orf198	NM_001136494	c.C512T	p.S171L
C1orf216	NM_152374	c.C110G	p.A37G
C1orf216	NM_152374	c.T313G	p.C105G
C1orf27	NM_017847	c.A1091G	p.D364G
C1orf35	NM_024319	c.A407C	p.E136A
C1orf35	NM_024319	c.A425G	p.K142R
C1orf50	NM_024097	c.C533T	p.T178M
C1orf53	NM_001024594	c.A407G	p.K136R
C1orf86	NM_001282670	c.C734T	p.A245V
C1orf87	NM_152377	c.A1207G	p.K403E
C1orf94	NM_001134734	c.C703G	p.Q235E
C1orf94	NM_001134734	c.C906G	p.D302E
C1orf94	NM_032884	c.C133G	p.Q45E
C1orf94	NM_032884	c.C336G	p.D112E

C1QTNF1	NM_030968	c.G722A	p.R241Q
C1QTNF2	NM_031908	c.G478A	p.G160S
C1QTNF6	NM_031910	c.C125G	p.P42R
C1QTNF6	NM_031910	c.G62T	p.G21V
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C1QTNF6	NM_031910	c.G752A	p.R251H
C1QTNF8	NM_207419	c.G179A	p.R60Q
C1QTNF8	NM_207419	c.G655T	p.V219L
C1QTNF9	NM_001303137	c.C16T	p.L6F
C1QTNF9	NM_001303137	c.A655G	p.M219V
C1QTNF9	NM_001303137	c.G868A	p.G290S
C1QTNF9B	NM_001007537	c.A868G	p.S290G
C1QTNF9B	NM_001007537	c.G830A	p.R277K
C1QTNF9B	NM_001007537	c.G893A	p.G298E
C1QTNF9B-AS1	NM_001135816	c.T5C	p.L2P
C1RL	NM_001297640	c.A727G	p.I243V
C1RL	NM_016546	c.A853G	p.I285V
C1S	NM_001734	c.C1283G	p.P428R
C1S	NM_001734	c.G356A	p.R119H
C2	NM_000063	c.G954C	p.E318D
C2	NM_001282457	c.G216C	p.E72D
C2	NM_001282458	c.G1442A	p.R481H
C2	NM_001282458	c.G1691A	p.R564Q
C20orf173	NM_001145350	c.A580G	p.K194E
C20orf194	NM_001009984	c.A1729G	p.R577G
C20orf196	NM_001303477	c.C68T	p.A23V
C20orf196	NM_001303478	c.G365A	p.R122Q
C20orf196	NM_152504	c.G461A	p.R154Q
C20orf197	NM_173644	c.210dupG	p.K70fs
C20orf27	NM_001039140	c.C71T	p.P24L
C20orf27	NM_001258429	c.C257T	p.P86L
C20orf96	NM_080571	c.A910T	p.I304F
C20orf96	NM_153269	c.A913T	p.I305F
C21orf2	NM_001271442	c.G227A	p.R76H
C21orf2	NM_004928	c.G350A	p.R117H
C21orf33	NM_004649	c.C742G	p.L248V
C21orf33	NM_004649	c.T17C	p.V6A
C21orf33	NM_004649	c.T724G	p.F242V
C21orf33	NM_198155	c.C649G	p.L217V
C21orf62	NM_001162495	c.A103G	p.T35A
C21orf91	NM_001100420	c.C345G	p.N115K
C21orf91	NM_001100420	c.C408G	p.D136E
C22orf23	NM_001207062	c.434delA	p.Q145fs
C22orf23	NM_032561	c.497delA	p.Q166fs
C22orf24	NM_001302819	c.A233T	p.H78L
C22orf24	NM_015372	c.A32T	p.H11L
C22orf29	NM_024627	c.G269A	p.R90Q
C22orf29	NM_024627	c.G347A	p.R116H
C22orf31	NM_015370	c.G655A	p.A219T
C22orf31	NM_015370	c.T136C	p.C46R

C2CD2L	NM_001290474	c.A1574G	p.K525R
C2CD2L	NM_014807	c.A1577G	p.K526R
C2CD2L	NM_014807	c.C1270T	p.R424C
C2CD2L	NM_014807	c.G334A	p.E112K
C2CD3	NM_001286577	c.A3695G	p.N1232S
C2CD3	NM_001286577	c.C2318G	p.P773R
C2CD3	NM_001286577	c.C4097T	p.S1366L
C2CD3	NM_001286577	c.C5483G	p.S1828C
C2CD3	NM_001286577	c.G2659A	p.V887M
C2CD3	NM_001286577	c.G2990A	p.R997Q
C2CD3	NM_001286577	c.G3656A	p.R1219Q
C2CD4B	NM_001007595	c.C80G	p.P27R
C2CD5	NM_001286174	c.G2738A	p.R913H
C2orf15	NM_144706	c.G154A	p.D52N
C2orf16	NM_032266	c.A2320G	p.I774V
C2orf16	NM_032266	c.C1979A	p.A660E
C2orf43	NM_021925	c.G349A	p.E117K
C2orf44	NM_001142319	c.C1717T	p.R573W
C2orf44	NM_001142319	c.C305T	p.T102M
C2orf47	NM_024520	c.T868A	p.L290I
C2orf48	NM_182626	c.C269A	p.P90Q
C2orf49	NM_001286537	c.G428A	p.G143D
C2orf49	NM_024093	c.G554A	p.G185D
C2orf54	NM_001085437	c.A1162G	p.I388V
C2orf54	NM_001085437	c.G508A	p.A170T
C2orf54	NM_024861	c.A658G	p.I220V
C2orf57	NM_152614	c.T218C	p.V73A
C2orf61	NM_001163561	c.A185G	p.E62G
C2orf61	NM_001163561	c.A92G	p.Q31R
C2orf61	NM_001163561	c.C49A	p.L17M
C2orf70	NM_001105519	c.A198T	p.Q66H
C2orf70	NM_001105519	c.G266A	p.R89Q
C2orf70	NM_001105519	c.G272A	p.R91H
C2orf71	NM_001029883	c.A1262G	p.K421R
C2orf71	NM_001029883	c.A3059G	p.Q1020R
C2orf71	NM_001029883	c.C1739T	p.T580M
C2orf71	NM_001029883	c.C2374G	p.L792V
C2orf71	NM_001029883	c.G3739A	p.G1247S
C2orf73	NM_001100396	c.C85A	p.H29N
C2orf73	NM_001100396	c.G824C	p.R275T
C2orf73	NM_001100396	c.C761T	p.P254L
C2orf76	NM_001017927	c.A347G	p.K116R
C2orf76	NM_001017927	c.A136G	p.I46V
C2orf78	NM_001080474	c.A2198G	p.H733R
C2orf78	NM_001080474	c.T808G	p.S270A
C2orf80	NM_001099334	c.A454G	p.S152G
C2orf83	NM_020161	c.G310C	p.E104Q
C2orf88	NM_001042519	c.C167T	p.T56I
C3	NM_000064	c.C1685T	p.S562L
C3	NM_000064	c.C304G	p.R102G

C3	NM_000064	c.C941T	p.P314L
C3orf17	NM_015412	c.C1031A	p.S344Y
C3orf17	NM_015412	c.G871A	p.V291M
C3orf17	NM_015412	c.G889A	p.V297I
C3orf17	NM_015412	c.T1468C	p.S490P
C3orf17	NM_015412	c.T1069A	p.F357I
C3orf18	NM_001171743	c.C214T	p.R72C
C3orf18	NM_001171743	c.G215A	p.R72H
C3orf18	NM_016210	c.C485T	p.A162V
C3orf20	NM_001184957	c.A853G	p.I285V
C3orf20	NM_001184957	c.C1700T	p.A567V
C3orf20	NM_001184957	c.C898G	p.L300V
C3orf20	NM_001184957	c.G526A	p.A176T
C3orf20	NM_001184958	c.A248G	p.Q83R
C3orf20	NM_001184958	c.C1380G	p.F460L
C3orf20	NM_001184958	c.G2116T	p.D706Y
C3orf20	NM_032137	c.A1219G	p.I407V
C3orf20	NM_032137	c.A1675G	p.I559V
C3orf20	NM_032137	c.C1264G	p.L422V
C3orf20	NM_032137	c.G193A	p.D65N
C3orf20	NM_032137	c.G892A	p.A298T
C3orf30	NM_152539	c.A296G	p.D99G
C3orf30	NM_152539	c.C1340T	p.S447L
C3orf30	NM_152539	c.C1419G	p.D473E
C3orf33	NM_173657	c.G350A	p.S117N
C3orf35	NM_178339	c.C319T	p.H107Y
C3orf35	NM_178342	c.A1C	p.M1L
C3orf52	NM_024616	c.A146G	p.K49R
C3orf62	NM_198562	c.G178A	p.V60M
C3orf62	NM_198562	c.G328A	p.E110K
C3orf70	NM_001025266	c.C449T	p.P150L
C3orf70	NM_001025266	c.C454T	p.P152S
C3orf79	NM_001101337	c.G3A	p.M1I
C3orf84	NM_001080528	c.G280A	p.A94T
C3orf84	NM_001080528	c.T472C	p.Y158H
C4BPA	NM_000715	c.C10G	p.P4A
C4BPA	NM_000715	c.C11A	p.P4Q
C4BPA	NM_000715	c.G719A	p.R240H
C4BPA	NM_000715	c.T899C	p.I300T
C4orf17	NM_032149	c.G191A	p.G64E
C4orf17	NM_032149	c.G271A	p.E91K
C4orf19	NM_001104629	c.G289A	p.G97S
C4orf19	NM_018302	c.A731G	p.E244G
C4orf22	NM_152770	c.G658A	p.V220I
C4orf22	NM_001206997	c.G709A	p.V237I
C4orf26	NM_001206981	c.C133T	p.L45F
C4orf26	NM_001206981	c.G370A	p.V124I
C4orf26	NM_001257072	c.C89T	p.P30L
C4orf26	NM_178497	c.G326A	p.R109H
C4orf29	NM_001039717	c.A920G	p.N307S

C4orf29	NM_001039717	c.C869T	p.A290V
C4orf29	NM_001039717	c.C999A	p.S333R
C4orf3	NM_001001701	c.C84A	p.F28L
C4orf33	NM_001099783	c.A497G	p.H166R
C4orf33	NM_001099783	c.G119T	p.R40M
C4orf45	NM_152543	c.A251G	p.Y84C
C4orf45	NM_152543	c.G401A	p.R134H
C4orf45	NM_152543	c.T217C	p.Y73H
C4orf51	NM_001080531	c.G517A	p.D173N
C5	NM_001735	c.A3871G	p.I1291V
C5	NM_001735	c.C1060A	p.L354M
C5	NM_001735	c.G2404A	p.V802I
C5	NM_001735	c.G2896T	p.D966Y
C5	NM_001735	c.G433A	p.V145I
C5orf22	NM_018356	c.T1215A	p.D405E
C5orf34	NM_198566	c.C1483A	p.Q495K
C5orf42	NM_023073	c.A5314G	p.S1772G
C5orf42	NM_023073	c.C5381T	p.P1794L
C5orf42	NM_023073	c.G3743A	p.G1248D
C5orf45	NM_001017987	c.A295G	p.R99G
C5orf45	NM_001017987	c.A527G	p.Q176R
C5orf45	NM_016175	c.A692G	p.Q231R
C5orf45	NM_016175	c.A460G	p.R154G
C5orf46	NM_206966	c.C11T	p.S4L
C5orf47	NM_001144954	c.G418T	p.V140L
C5orf49	NM_001089584	c.G204C	p.Q68H
C5orf51	NM_175921	c.C539T	p.P180L
C5orf52	NM_001145132	c.A298G	p.T100A
C5orf52	NM_001145132	c.G134T	p.R45L
C5orf52	NM_001145132	c.G272A	p.R91Q
C5orf58	NM_001102609	c.G77C	p.R26P
C5orf60	NM_001142306	c.G398A	p.R133H
C5orf64	NM_173667	c.C301T	p.R101W
C6	NM_000065	c.G2605A	p.D869N
C6	NM_001115131	c.A2031C	p.E677D
C6	NM_001115131	c.C356A	p.A119E
C6	NM_001115131	c.G2518A	p.G840S
C6orf1	NM_001287398	c.T187C	p.C63R
C6orf1	NM_001008703	c.G449C	p.G150A
C6orf1	NM_001287397	c.G389C	p.G130A
C6orf10	NM_001286474	c.304delA	p.S102fs
C6orf10	NM_001286474	c.A1192C	p.K398Q
C6orf10	NM_001286474	c.A206G	p.Y69C
C6orf10	NM_001286474	c.A400T	p.I134F
C6orf10	NM_001286474	c.A937G	p.I313V
C6orf10	NM_001286474	c.C335T	p.P112L
C6orf10	NM_001286474	c.C434T	p.P145L
C6orf10	NM_001286474	c.T106C	p.Y36H
C6orf10	NM_001286474	c.T460C	p.S154P
C6orf10	NM_001286474	c.T673C	p.S225P

C6orf10	NM_001286474	c.T88C	p.C30R
C6orf10	NM_001286475	c.283delA	p.S95fs
C6orf10	NM_001286475	c.A1150C	p.K384Q
C6orf10	NM_001286475	c.A379T	p.I127F
C6orf10	NM_001286475	c.A895G	p.I299V
C6orf10	NM_001286475	c.C314T	p.P105L
C6orf10	NM_001286475	c.C413T	p.P138L
C6orf10	NM_001286475	c.C772T	p.P258S
C6orf10	NM_001286475	c.T439C	p.S147P
C6orf10	NM_001286475	c.T631C	p.S211P
C6orf10	NM_006781	c.352delA	p.S118fs
C6orf10	NM_006781	c.A1198C	p.K400Q
C6orf10	NM_006781	c.A448T	p.I150F
C6orf10	NM_006781	c.A943G	p.I315V
C6orf10	NM_006781	c.C383T	p.P128L
C6orf10	NM_006781	c.C482T	p.P161L
C6orf10	NM_006781	c.T508C	p.S170P
C6orf10	NM_006781	c.T679C	p.S227P
C6orf118	NM_144980	c.G1087C	p.V363L
C6orf118	NM_144980	c.G1154A	p.R385Q
C6orf118	NM_144980	c.G812A	p.G271E
C6orf120	NM_001029863	c.A193G	p.I65V
C6orf120	NM_001029863	c.G436C	p.E146Q
C6orf132	NM_001164446	c.G12C	p.K4N
C6orf136	NM_001161376	c.G236A	p.G79E
C6orf15	NM_014070	c.A493G	p.K165E
C6orf15	NM_014070	c.C10A	p.R4S
C6orf15	NM_014070	c.C182T	p.P61L
C6orf15	NM_014070	c.G120C	p.L40F
C6orf15	NM_014070	c.G142A	p.G48R
C6orf15	NM_014070	c.G433C	p.A145P
C6orf15	NM_014070	c.G696A	p.M232I
C6orf15	NM_014070	c.G872A	p.G291D
C6orf15	NM_014070	c.T242C	p.V81A
C6orf165	NM_001031743	c.C1220A	p.A407E
C6orf165	NM_001031743	c.G214A	p.D72N
C6orf165	NM_001031743	c.G422A	p.R141H
C6orf165	NM_001031743	c.G509C	p.G170A
C6orf195	NM_152554	c.A4T	p.I2F
C6orf201	NM_001085401	c.C351A	p.N117K
C6orf201	NM_001085401	c.G217T	p.G73W
C6orf201	NM_001085401	c.G59C	p.R20P
C6orf222	NM_001010903	c.A146C	p.H49P
C6orf222	NM_001010903	c.C1145T	p.P382L
C6orf222	NM_001010903	c.C152T	p.T51M
C6orf222	NM_001010903	c.C86T	p.S29L
C6orf223	NM_001171992	c.A185G	p.Q62R
C6orf223	NM_001171992	c.A214G	p.T72A
C6orf223	NM_153246	c.A142G	p.K48E
C6orf223	NM_153246	c.C586T	p.P196S

C6orf223	NM_153246	c.G319A	p.V107M
C6orf223	NM_153246	c.G585T	p.K195N
C6orf223	NM_153246	c.T524A	p.L175H
C6orf226	NM_001008739	c.G3A	p.M1I
C6orf25	NM_025260	c.C523G	p.R175G
C6orf47	NM_021184	c.G202A	p.G68R
C6orf47	NM_021184	c.G276C	p.K92N
C7	NM_000587	c.1309delA	p.K437fs
C7	NM_000587	c.A1759C	p.T587P
C7	NM_000587	c.G1166C	p.S389T
C7	NM_000587	c.T382C	p.C128R
C7orf25	NM_024054	c.G727A	p.D243N
C7orf25	NM_001099858	c.C152T	p.P51L
C7orf26	NM_024067	c.C497T	p.T166M
C7orf31	NM_138811	c.A1249G	p.T417A
C7orf31	NM_138811	c.A899G	p.H300R
C7orf31	NM_138811	c.C256T	p.R86C
C7orf31	NM_138811	c.C560G	p.T187S
C7orf31	NM_138811	c.C713A	p.P238Q
C7orf31	NM_138811	c.G745A	p.A249T
C7orf33	NM_145304	c.C311T	p.T104M
C7orf33	NM_145304	c.G3T	p.M1I
C7orf43	NM_018275	c.T604C	p.F202L
C7orf50	NM_001134395	c.463delG	p.A155fs
C7orf55	NM_197964	c.T22G	p.S8A
C7orf55-LUC7L2	NM_001244584	c.T22G	p.S8A
C7orf57	NM_001100159	c.G220T	p.A74S
C7orf57	NM_001100159	c.C371T	p.P124L
C7orf57	NM_001100159	c.C602A	p.P201H
C7orf57	NM_001100159	c.T455C	p.M152T
C7orf57	NM_001267865	c.C236A	p.P79H
C7orf57	NM_001267865	c.C5T	p.P2L
C7orf57	NM_001267865	c.T89C	p.M30T
C7orf61	NM_001004323	c.G521A	p.R174H
C7orf62	NM_152706	c.G142C	p.D48H
C7orf62	NM_152706	c.G478A	p.D160N
C7orf62	NM_152706	c.G589A	p.G197S
C8A	NM_000562	c.C107A	p.A36E
C8A	NM_000562	c.G1331A	p.R444H
C8A	NM_000562	c.G1681C	p.E561Q
C8B	NM_000066	c.C782T	p.P261L
C8B	NM_001278543	c.C626T	p.P209L
C8B	NM_001278544	c.C596T	p.P199L
C8B	NM_000066	c.G349A	p.G117R
C8B	NM_001278543	c.G193A	p.G65R
C8B	NM_001278544	c.G163A	p.G55R
C8G	NM_000606	c.A353G	p.D118G
C8orf22	NM_001007176	c.A241G	p.S81G
C8orf31	NM_173687	c.C208A	p.P70T
C8orf31	NM_173687	c.G308A	p.R103H



C8orf31	NM_173687	c.T116C	p.L39P
C8orf34	NM_001195639	c.C1046G	p.P349R
C8orf34	NM_001195639	c.G662A	p.R221H
C8orf34	NM_052958	c.G1534A	p.A512T
C8orf34	NM_052958	c.G734A	p.R245Q
C8orf44	NM_019607	c.80delG	p.R27fs
C8orf44	NM_019607	c.T443C	p.F148S
C8orf58	NM_001198827	c.C103G	p.R35G
C8orf58	NM_001198827	c.C406T	p.R136C
C8orf58	NM_173686	c.C661T	p.P221S
C8orf86	NM_207412	c.G242A	p.R81H
C8orf89	NM_001243237	c.A152G	p.E51G
C9	NM_001737	c.C13T	p.R5W
C9	NM_001737	c.G376A	p.G126R
C9orf106	NM_001012715	c.G529A	p.G177R
C9orf114	NM_016390	c.C269T	p.P90L
C9orf114	NM_016390	c.C389G	p.T130R
C9orf114	NM_016390	c.T1106C	p.I369T
C9orf117	NM_001012502	c.A1448C	p.Y483S
C9orf117	NM_001012502	c.G1043A	p.R348Q
C9orf129	NM_001098808	c.G572A	p.R191H
C9orf131	NM_001040410	c.T1667C	p.I556T
C9orf131	NM_001040410	c.T1762A	p.S588T
C9orf131	NM_001040410	c.T2395C	p.Y799H
C9orf131	NM_001287391	c.T1553C	p.I518T
C9orf131	NM_001287391	c.T1648A	p.S550T
C9orf131	NM_203299	c.G45A	p.M15I
C9orf131	NM_203299	c.T1772C	p.I591T
C9orf131	NM_001040411	c.G446T	p.W149L
C9orf131	NM_001040412	c.G521T	p.W174L
C9orf131	NM_203299	c.G665T	p.W222L
C9orf139	NM_207511	c.A502G	p.K168E
C9orf139	NM_207511	c.C91T	p.R31C
C9orf139	NM_207511	c.G178A	p.G60S
C9orf152	NM_001012993	c.115delA	p.I39fs
C9orf156	NM_016481	c.G970A	p.V324M
C9orf156	NM_016481	c.T19C	p.S7P
C9orf163	NM_152571	c.T14C	p.L5P
C9orf170	NM_001001709	c.G250A	p.V84I
C9orf171	NM_001282957	c.G301A	p.G101R
C9orf171	NM_207417	c.G409A	p.G137R
C9orf173	NM_001004353	c.A376G	p.S126G
C9orf173	NM_001004353	c.C652T	p.L218F
C9orf173	NM_001004353	c.C895T	p.R299C
C9orf173	NM_001004353	c.C911G	p.P304R
C9orf173	NM_001256701	c.C730T	p.R244C
C9orf24	NM_001252195	c.G341A	p.C114Y
C9orf24	NM_032596	c.C16T	p.R6C
C9orf24	NM_147169	c.G182A	p.C61Y
C9orf43	NM_001278629	c.A1133C	p.N378T

C9orf43	NM_001278629	c.A319G	p.I107V
C9orf43	NM_001278629	c.A755G	p.D252G
C9orf43	NM_001278629	c.C811G	p.P271A
C9orf43	NM_001278630	c.A1187C	p.N396T
C9orf43	NM_001278630	c.A373G	p.I125V
C9orf43	NM_001278630	c.A809G	p.D270G
C9orf43	NM_001278630	c.C865G	p.P289A
C9orf47	NM_001001938	c.G518A	p.S173N
C9orf47	NM_001142413	c.G461A	p.S154N
C9orf50	NM_199350	c.A1244G	p.K415R
C9orf50	NM_199350	c.G1142A	p.R381Q
C9orf50	NM_199350	c.G743A	p.R248K
C9orf50	NM_199350	c.G935A	p.R312Q
C9orf50	NM_199350	c.T1018C	p.S340P
C9orf64	NM_032307	c.C970T	p.H324Y
C9orf66	NM_152569	c.A139G	p.R47G
C9orf66	NM_152569	c.G533A	p.R178Q
C9orf66	NM_152569	c.T128G	p.L43R
C9orf84	NM_001080551	c.A3404G	p.E1135G
C9orf84	NM_001080551	c.G176A	p.R59K
C9orf84	NM_001080551	c.T2310G	p.N770K
C9orf84	NM_173521	c.A1247G	p.H416R
C9orf84	NM_173521	c.A2795G	p.Y932C
C9orf84	NM_173521	c.A3521G	p.E1174G
C9orf84	NM_173521	c.C844T	p.R282C
C9orf84	NM_173521	c.G293A	p.R98K
C9orf84	NM_173521	c.T2427G	p.N809K
C9orf84	NM_173521	c.T2903C	p.L968P
C9orf84	NM_001080551	c.A1130G	p.H377R
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C9orf9	NM_018956	c.G188A	p.R63Q
C9orf91	NM_153045	c.C788G	p.P263R
CA13	NM_198584	c.A532G	p.T178A
CA14	NM_012113	c.G55T	p.G19C
CA2	NM_000067	c.A754G	p.N252D
CA3	NM_005181	c.G91A	p.V31I
CA6	NM_001215	c.A268G	p.S90G
CA6	NM_001215	c.C164T	p.T55M
CA6	NM_001270500	c.G860A	p.G287E
CA6	NM_001270501	c.A88G	p.S30G
CA9	NM_001216	c.A977G	p.Q326R
CA9	NM_001216	c.G97A	p.V33M
CAAP1	NM_001167575	c.G508A	p.E170K
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CAAP1	NM_024828	c.G943A	p.E315K
CABIN1	NM_001199281	c.C2446T	p.L816F
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CABP2	NM_016366	c.G281A	p.R94Q
CABP2	NM_016366	c.G346A	p.E116K
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CABP4	NM_001300895	c.G140A	p.R47Q
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CABYR	NM_153770	c.C221T	p.T74M
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CACFD1	NM_001242369	c.G406A	p.G136R
CACFD1	NM_001242370	c.G280A	p.G94R
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CACNA1A	NM_001127221	c.G3313A	p.G1105S
CACNA1A	NM_001127222	c.A2192C	p.E731A
CACNA1A	NM_001127222	c.G2751C	p.E917D
CACNA1A	NM_001127222	c.G3310A	p.G1104S
CACNA1B	NM_000718	c.G494T	p.G165V
CACNA1B	NM_000718	c.G6724C	p.D2242H
CACNA1C	NM_000719	c.G6040A	p.V2014I
CACNA1C	NM_001129830	c.G6145A	p.V2049I
CACNA1C	NM_001129831	c.G6124A	p.V2042I
CACNA1C	NM_001129832	c.T911C	p.I304T
CACNA1C	NM_001129833	c.G6097A	p.V2033I
CACNA1C	NM_001129836	c.G6091A	p.V2031I
CACNA1C	NM_001129837	c.G6064A	p.V2022I
CACNA1C	NM_001129839	c.G6058A	p.V2020I
CACNA1C	NM_001129844	c.G6031A	p.V2011I
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CACNA1D	NM_001128840	c.G5017A	p.E1673K
CACNA1E	NM_000721	c.C3065T	p.T1022M
CACNA1E	NM_000721	c.G2992A	p.G998S
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CACNA1E	NM_001205294	c.G2708A	p.R903Q
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CACNA1H	NM_001005407	c.C2362T	p.R788C
CACNA1H	NM_001005407	c.C4420T	p.R1474W
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CACNA1H	NM_001005407	c.G2434A	p.V812M
CACNA1H	NM_001005407	c.G3175T	p.A1059S
CACNA1H	NM_001005407	c.G5095A	p.A1699T
CACNA1H	NM_001005407	c.G6161A	p.R2054H
CACNA1H	NM_001005407	c.G6212A	p.R2071H
CACNA1H	NM_001005407	c.T1991C	p.V664A
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CACNA1I	NM_001003406	c.C5453T	p.T1818M
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CACNA1I	NM_021096	c.G920A	p.R307H
CACNA1S	NM_000069	c.C4615T	p.R1539C
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CACNA1S	NM_000069	c.G4973A	p.R1658H
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CACNA2D2	NM_001174051	c.G224A	p.R75Q
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CACNA2D4	NM_172364	c.A979G	p.I327V
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CACNA2D4	NM_172364	c.C2606T	p.T869M
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CACNB2	NM_000724	c.C1346T	p.T449I
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CACNB2	NM_201590	c.T1803G	p.D601E
CACNB2	NM_201593	c.T1851G	p.D617E
CACNB2	NM_201596	c.C1511T	p.T504I
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CACNB3	NM_000725	c.A785C	p.K262T
CACNG1	NM_000727	c.G586A	p.G196S
CACNG5	NM_145811	c.C178T	p.R60W
CACNG6	NM_031897	c.C526A	p.P176T
CACTIN	NM_001080543	c.C323T	p.S108L
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CAD	NM_004341	c.G247A	p.V83I
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CAD	NM_004341	c.T4930C	p.F1644L
CADM1	NM_001301044	c.T855G	p.D285E
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CADM4	NM_145296	c.T475C	p.Y159H
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CAGE1	NM_001170692	c.C559T	p.P187S
CAGE1	NM_205864	c.C151T	p.P51S
CALB2	NM_001740	c.C437T	p.P146L
CALB2	NM_001740	c.G328A	p.A110T
CALB2	NM_001740	c.G802A	p.E268K
CALCA	NM_001033952	c.C228A	p.S76R
CALCOCO1	NM_001143682	c.G1427T	p.G476V
CALCOCO1	NM_001143682	c.G856A	p.A286T
CALCOCO2	NM_001261390	c.C1237G	p.P413A
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CALCOCO2	NM_001261393	c.T617C	p.V206A
CALCOCO2	NM_001261395	c.C949G	p.P317A
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CALCR	NM_001164737	c.T1442C	p.L481P
CALCR	NM_001164738	c.T1340C	p.L447P
CALCR	NM_001164737	c.T49C	p.S17P
CALD1	NM_033138	c.A1190G	p.H397R
CALD1	NM_033138	c.G1588A	p.V530M
CALD1	NM_033139	c.G883A	p.V295M
CALHM1	NM_001001412	c.C881T	p.T294M
CALHM1	NM_001001412	c.G969A	p.M323I
CALHM2	NM_015916	c.C662T	p.A221V
CALHM2	NM_015916	c.G286A	p.A96T
CALHM2	NM_015916	c.G580A	p.V194M
CALHM2	NM_015916	c.340_341insCT	p.P114fs
CALHM3	NM_001129742	c.G895A	p.D299N
CALML3	NM_005185	c.G94C	p.E32Q
CALML5	NM_017422	c.219delG	p.A73fs
CALML5	NM_017422	c.A172G	p.S58G
CALML6	NM_138705	c.G151A	p.G51R
CALML6	NM_138705	c.G350A	p.R117H

CALML6	NM_138705	c.T178C	p.W60R
CALR	NM_004343	c.G566C	p.S189T
CALR3	NM_145046	c.A125G	p.N42S
CALU	NM_001199671	c.G35A	p.R12Q
CALU	NM_001199673	c.G11A	p.R4Q
CALY	NM_015722	c.G415A	p.E139K
CAMK1D	NM_153498	c.A198G	p.I66M
CAMK1G	NM_020439	c.G985A	p.V329I
CAMK2B	NM_001220	c.G1528A	p.E510K
CAMKK1	NM_032294	c.A1124G	p.E375G
CAMKK1	NM_032294	c.A1496G	p.Q499R
CAMKK1	NM_172207	c.A1238G	p.E413G
CAMKK1	NM_172207	c.C334T	p.H112Y
CAMKK2	NM_001270485	c.C1087T	p.R363C
CAMKK2	NM_172214	c.C112T	p.R38W
CAMLG	NM_001745	c.G232A	p.V78I
CAMP	NM_004345	c.A443G	p.K148R
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CAMTA1	NM_015215	c.A986G	p.K329R
CAMTA1	NM_015215	c.C1955T	p.S652L
CAMTA1	NM_015215	c.C3531G	p.N1177K
CAMTA2	NM_001171166	c.C1105T	p.P369S
CAMTA2	NM_001171166	c.G805C	p.A269P
CAMTA2	NM_001171166	c.T2713C	p.S905P
CAMTA2	NM_001171167	c.C1168T	p.P390S
CAMTA2	NM_001171167	c.T2776C	p.S926P
CAMTA2	NM_001171168	c.C1096T	p.P366S
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CAND2	NM_012298	c.A1210G	p.M404V
CAND2	NM_012298	c.A2294C	p.H765P
CAND2	NM_012298	c.A944G	p.Q315R
CAND2	NM_012298	c.C1148T	p.P383L
CAND2	NM_012298	c.C1186T	p.R396C
CAND2	NM_012298	c.G2689A	p.V897I
CAND2	NM_012298	c.G331A	p.A111T

CAND2	NM_012298	c.T1318C	p.S440P
CAND2	NM_012298	c.G3322A	p.A1108T
CANX	NM_001024649	c.C418A	p.L140M
CAPG	NM_001256139	c.A1004G	p.H335R
CAPG	NM_001256139	c.A13G	p.I5V
CAPG	NM_001256140	c.G3A	p.M1I
CAPG	NM_001256140	c.A959G	p.H320R
CAPN1	NM_001198868	c.G1298C	p.R433P
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CAPN10	NM_023083	c.C1663T	p.R555C
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CAPN11	NM_007058	c.G2183A	p.S728N
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CAPN12	NM_144691	c.A1000G	p.T334A
CAPN12	NM_144691	c.C1711T	p.L571F
CAPN13	NM_144575	c.C656G	p.A219G
CAPN13	NM_144575	c.G838A	p.A280T
CAPN14	NM_001145122	c.A1228G	p.R410G
CAPN14	NM_001145122	c.A935G	p.N312S
CAPN15	NM_005632	c.C2708T	p.P903L
CAPN15	NM_005632	c.G3121A	p.A1041T
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CAPN2	NM_001146068	c.A1468C	p.K490Q
CAPN2	NM_001146068	c.G1327C	p.E443Q
CAPN2	NM_001748	c.A1702C	p.K568Q
CAPN3	NM_000070	c.G1643A	p.R548H
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CAPN5	NM_004055	c.852delC	p.N284fs
CAPN5	NM_004055	c.G1339A	p.A447T
CAPN7	NM_014296	c.G382A	p.A128T
CAPN9	NM_006615	c.C1564T	p.R522W
CAPN9	NM_016452	c.C1486T	p.R496W
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CAPN9	NM_016452	c.G715A	p.A239T
CAPN9	NM_016452	c.T701C	p.I234T
CAPRIN2	NM_001002259	c.C340T	p.P114S
CAPRIN2	NM_001206856	c.A1555G	p.M519V
CAPS	NM_004058	c.G160A	p.G54R
CAPS	NM_080590	c.G35A	p.R12Q
CAPS2	NM_001286547	c.G225T	p.L75F
CAPS2	NM_032606	c.G375T	p.L125F
CAPSL	NM_001042625	c.G254A	p.R85Q
CARD10	NM_014550	c.G2351A	p.R784Q
CARD11	NM_032415	c.A1630C	p.I544L
CARD11	NM_032415	c.A2173G	p.S725G

CARD11	NM_032415	c.A572G	p.N191S
CARD14	NM_001257970	c.G1753A	p.V585I
CARD14	NM_001257970	c.G526C	p.D176H
CARD14	NM_024110	c.C2458T	p.R820W
CARD14	NM_024110	c.G2885A	p.R962Q
CARD14	NM_052819	c.C1061T	p.T354M
CARD14	NM_052819	c.G1042A	p.V348I
CARD16	NM_001017534	c.A500T	p.N167I
CARD17	NM_001007232	c.C257T	p.T86M
CARD6	NM_032587	c.A28G	p.I10V
CARD6	NM_032587	c.C257T	p.S86L
CARD6	NM_032587	c.C765A	p.F255L
CARD6	NM_032587	c.89_90insTT	p.L30fs
CARD8	NM_001184900	c.T304A	p.F102I
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CARD8	NM_001184903	c.C284T	p.T95I
CARD8	NM_014959	c.A1235G	p.Q412R
CARD9	NM_052813	c.G35A	p.S12N
CARF	NM_001104586	c.A1712T	p.Y571F
CARF	NM_001282911	c.A1484T	p.Y495F
CARF	NM_001282911	c.G328A	p.G110R
CARF	NM_001282912	c.A1448T	p.Y483F
CARF	NM_024744	c.G556A	p.G186R
CARKD	NM_001242883	c.C265T	p.R89W
CARKD	NM_018210	c.A418G	p.K140E
CARKD	NM_018210	c.G933C	p.E311D
CARKD	NM_018210	c.T935C	p.I312T
CARNS1	NM_001166222	c.C751G	p.L251V
CARNS1	NM_001166222	c.G890A	p.R297Q
CARNS1	NM_020811	c.C1984T	p.R662C
CARNS1	NM_020811	c.C382G	p.L128V
CARNS1	NM_020811	c.G521A	p.R174Q
CARS	NM_139273	c.G472T	p.A158S
CARS2	NM_024537	c.A538T	p.I180F
CARS2	NM_024537	c.G1535A	p.R512Q
CARS2	NM_024537	c.G647A	p.G216E
CASC1	NM_001204101	c.G976A	p.V326I
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CASC3	NM_007359	c.C1849T	p.L617F
CASC3	NM_007359	c.G65A	p.G22D
CASC5	NM_144508	c.A3775G	p.K1259E
CASC5	NM_144508	c.A4339G	p.T1447A
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CASC5	NM_170589	c.A3853G	p.K1285E
CASC5	NM_170589	c.A4417G	p.T1473A
CASC5	NM_170589	c.C4418T	p.T1473I
CASC5	NM_170589	c.T1793C	p.M598T
CASC5	NM_144508	c.A2728G	p.R910G



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CASC5	NM_170589	c.G1456T	p.A486S
CASKIN1	NM_020764	c.C1250T	p.T417M
CASKIN2	NM_001142643	c.G3238T	p.A1080S
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CASP10	NM_001206542	c.A1208G	p.Y403C
CASP10	NM_001206542	c.G1168A	p.E390K
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CASP10	NM_032974	c.G1228A	p.V410I
CASP2	NM_032982	c.G514C	p.V172L
CASP3	NM_004346	c.C829T	p.H277Y
CASP5	NM_001136109	c.A142G	p.T48A
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CASP9	NM_001229	c.A662G	p.Q221R
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CASQ1	NM_001231	c.T260C	p.M87T
CASQ2	NM_001232	c.A196G	p.T66A
CASQ2	NM_001232	c.G226A	p.V76M
CASR	NM_000388	c.A2968G	p.R990G
CASR	NM_000388	c.G2956T	p.A986S
CASR	NM_001178065	c.A2998G	p.R1000G
CASR	NM_001178065	c.G2986T	p.A996S
CASR	NM_001178065	c.G3061C	p.E1021Q
CASS4	NM_001164114	c.C1816T	p.P606S

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CASZ1	NM_001079843	c.G58A	p.A20T
CASZ1	NM_017766	c.C976T	p.R326W
CASZ1	NM_017766	c.G185A	p.R62Q
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CATSPER1	NM_053054	c.C940G	p.L314V
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CATSPER2	NM_054020	c.G169A	p.V57I
CATSPER2	NM_172095	c.G1073A	p.R358Q
CATSPER3	NM_178019	c.A818G	p.D273G
CATSPER3	NM_178019	c.G433A	p.A145T
CATSPER4	NM_198137	c.A149G	p.H50R
CATSPER4	NM_198137	c.A230G	p.Q77R
CATSPER4	NM_198137	c.A247G	p.M83V
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CATSPER4	NM_198137	c.G992A	p.G331D
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CATSPERG	NM_021185	c.T3410C	p.M1137T
CAV1	NM_001172895	c.G370A	p.V124I
CAV2	NM_001206747	c.C349G	p.Q117E
CAV2	NM_001206748	c.C139G	p.Q47E
CAV2	NM_198212	c.C200G	p.A67G
CBFA2T2	NM_005093	c.G61C	p.V21L
CBFA2T3	NM_005187	c.C1019T	p.P340L
CBFA2T3	NM_005187	c.G308C	p.R103P
CBLC	NM_001130852	c.C1165T	p.P389S
CBLC	NM_012116	c.A458C	p.K153T
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CBR3	NM_001236	c.C250G	p.L84V

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CBR4	NM_032783	c.C557T	p.T186M
CBS	NM_000071	c.C1105T	p.R369C
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CBX8	NM_020649	c.G649A	p.E217K
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CCDC39	NM_181426	c.A1433G	p.Q478R
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CCDC69	NM_015621	c.G590A	p.R197K



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CCHCR1	NM_019052	c.C1192T	p.R398C
CCHCR1	NM_019052	c.C1249T	p.R417W
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CCL15	NM_032965	c.T71C	p.I24T
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CCL18	NM_002988	c.A220G	p.N74D
CCL22	NM_002990	c.T118C	p.Y40H
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CCL23	NM_005064	c.G326A	p.R109H
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CCL24	NM_002991	c.A85C	p.I29L
CCL24	NM_002991	c.C92T	p.S31F
CCL25	NM_001201359	c.A302G	p.H101R
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CCL27	NM_006664	c.C286T	p.L96F
CCL8	NM_005623	c.A146T	p.E49V
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CCM2	NM_001029835	c.G220A	p.V74I
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CCND3	NM_001136017	c.G516T	p.E172D
CCNF	NM_001761	c.G2072A	p.R691Q
CCNG1	NM_004060	c.T537G	p.F179L
CCNG2	NM_004354	c.A851G	p.Y284C

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CCNH	NM_001239	c.T809C	p.V270A
CCNI	NM_006835	c.G619A	p.V207I
CCNI2	NM_001039780	c.C22T	p.P8S
CCNJL	NM_024565	c.C700T	p.H234Y
CCNL2	NM_001039577	c.C212G	p.T71S
CCNO	NM_021147	c.C134A	p.P45H
CCNT1	NM_001240	c.A1672G	p.T558A
CCNT1	NM_001240	c.A1847G	p.H616R
CCP110	NM_001199022	c.G1125A	p.M375I
CCP110	NM_001199022	c.C756G	p.I252M
CCPG1	NM_001204451	c.A704G	p.Y235C
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CCR2	NM_001123041	c.G190A	p.V64I
CCR5	NM_000579	c.G582T	p.Q194H
CCR5	NM_000579	c.G88C	p.A30P
CCR5	NM_000579	c.582_583insACAGTCAGTATCAA	p.Q194fs
CCR8	NM_005201	c.C80G	p.A27G
CCR9	NM_001256369	c.A814G	p.M272V
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CCRL2	NM_001130910	c.A47G	p.Y16C
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CCS	NM_005125	c.G212A	p.R71Q
CCSAP	NM_145257	c.G496A	p.A166T
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CCSER2	NM_001284242	c.C682T	p.R228C
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CCSER2	NM_001284243	c.T736C	p.S246P
CCSER2	NM_018999	c.A863G	p.Y288C
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CCT3	NM_001008800	c.G1147T	p.A383S
CCT5	NM_012073	c.A437T	p.E146V
CCT5	NM_012073	c.C1086G	p.I362M
CCT6B	NM_001193529	c.G50A	p.R17Q
CCT6B	NM_001193529	c.G629C	p.G210A
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CCT6B	NM_006584	c.G740C	p.G247A
CCT7	NM_001009570	c.G652A	p.D218N
CCT8	NM_001282907	c.G407A	p.R136Q
CCT8	NM_001282908	c.G409A	p.V137I
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CD101	NM_001256106	c.A674G	p.N225S
CD101	NM_001256111	c.A488G	p.N163S
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CD109	NM_001159587	c.A2365G	p.K789E
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CD109	NM_001159588	c.A1877C	p.Y626S
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CD109	NM_001159587	c.A2108C	p.Y703S
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CD163	NM_004244	c.A3310T	p.N1104Y
CD163	NM_004244	c.A1024G	p.I342V
CD164	NM_001142402	c.G518A	p.R173Q
CD164	NM_006016	c.G575A	p.R192Q
CD164L2	NM_207397	c.A226G	p.M76V
CD180	NM_005582	c.C297G	p.S99R
CD180	NM_005582	c.G1066A	p.V356M
CD180	NM_005582	c.G58C	p.V20L
CD180	NM_005582	c.T1942C	p.F648L
CD19	NM_001178098	c.C520G	p.L174V
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CD19	NM_001770	c.G1541A	p.R514H
CD1A	NM_001763	c.C204G	p.C68W
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CD1B	NM_001764	c.G409A	p.G137R
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CD2	NM_001767	c.C798A	p.H266Q
CD200	NM_001004196	c.C107G	p.S36C
CD200	NM_005944	c.C32G	p.S11C
CD200R1	NM_138806	c.G1003C	p.E335Q
CD200R1	NM_138806	c.T600G	p.H200Q
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CD207	NM_015717	c.A862G	p.N288D
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CD207	NM_015717	c.C637T	p.P213S
CD22	NM_001185099	c.G1970A	p.G657D
CD22	NM_001185101	c.G1703A	p.G568D
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CD22	NM_001771	c.G2234A	p.G745D
CD226	NM_001303618	c.A919G	p.S307G
CD226	NM_001303619	c.A454G	p.S152G
CD244	NM_001166663	c.A265G	p.N89D
CD244	NM_001166664	c.G584C	p.G195A
CD248	NM_020404	c.A1370G	p.H457R
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CD248	NM_020404	c.C908T	p.A303V
CD27	NM_001242	c.G175A	p.A59T
CD274	NM_001267706	c.A356T	p.H119L
CD274	NM_014143	c.A698T	p.H233L
CD276	NM_001024736	c.C331A	p.R111S
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CD276	NM_001024736	c.G835A	p.A279T
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CD2BP2	NM_001243646	c.G692A	p.G231D
CD300C	NM_006678	c.C212T	p.T71I
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CD300LD	NM_001115152	c.G265A	p.V89M
CD300LD	NM_001115152	c.T16G	p.S6A
CD300LF	NM_001289084	c.C890A	p.T297K
CD300LF	NM_001289085	c.C854A	p.T285K
CD300LF	NM_001289085	c.T770C	p.L257S
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CD300LF	NM_001289084	c.A698G	p.Q233R
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CD300LF	NM_139018	c.A653G	p.Q218R
CD300LG	NM_001168322	c.A682G	p.T228A
CD300LG	NM_001168322	c.C244T	p.R82C
CD300LG	NM_001168323	c.A580G	p.T194A
CD300LG	NM_001168323	c.C759G	p.N253K
CD300LG	NM_145273	c.T932C	p.V311A
CD300LG	NM_001168324	c.A427G	p.T143A
CD320	NM_001165895	c.G532A	p.G178R
CD33	NM_001082618	c.G529A	p.G177R
CD33	NM_001082618	c.T532C	p.S178P
CD33	NM_001177608	c.A205G	p.R69G

CD33	NM_001177608	c.C41T	p.A14V
CD33	NM_001177608	c.G910A	p.G304R
CD33	NM_001177608	c.T913C	p.S305P
CD33	NM_001082618	c.348_349insCCCAACAACCTGGTA	p.F116fs
CD33	NM_001177608	c.729_730insCCCAACAACCTGGTA	p.F243fs
CD34	NM_001025109	c.C599T	p.A200V
CD34	NM_001773	c.G223T	p.V75L
CD3EAP	NM_001297590	c.A1123G	p.K375E
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CD46	NM_002389	c.C38T	p.S13F
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CD48	NM_001256030	c.G304C	p.E102Q
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CD5	NM_014207	c.G1129A	p.A377T
CD5	NM_014207	c.G983A	p.R328Q
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CD6	NM_006725	c.A1615G	p.T539A
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CD68	NM_001251	c.C760A	p.Q254K
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CDC20B	NM_001145734	c.C1381T	p.R461W
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CDC42BPB	NM_006035	c.A3229G	p.I1077V
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CDK2AP1	NM_004642	c.G62A	p.S21N
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CDKL1	NM_001282236	c.207delA	p.E69fs
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CDT1	NM_030928	c.A1367C	p.E456A
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CDT1	NM_030928	c.T1507G	p.S503A
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CDYL2	NM_152342	c.C254T	p.S85L
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CEACAM18	NM_001278392	c.A950G	p.H317R
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CECR1	NM_177405	c.A281G	p.H94R
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CELA3B	NM_007352	c.C235T	p.R79W
CELF4	NM_001025089	c.G808A	p.A270T
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CEP85L	NM_001042475	c.A409G	p.S137G
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CEPT1	NM_001007794	c.A358G	p.I120V
CER1	NM_005454	c.C55T	p.R19W
CERCAM	NM_001286760	c.G938C	p.C313S
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CERK	NM_022766	c.G918T	p.L306F
CERKL	NM_001030312	c.A242C	p.D81A
CERKL	NM_001030312	c.T298G	p.S100A
CERS1	NM_198207	c.G493A	p.A165T

CERS2	NM_022075	c.A344C	p.E115A
CERS2	NM_181746	c.G799A	p.V267I
CERS3	NM_001290343	c.A1025G	p.D342G
CERS4	NM_024552	c.A848G	p.Q283R
CERS4	NM_024552	c.G1096A	p.A366T
CERS4	NM_024552	c.G356A	p.R119Q
CERS5	NM_147190	c.T223C	p.C75R
CERS5	NM_001281731	c.T49C	p.C17R
CERS6	NM_001256126	c.C469T	p.P157S
CES1	NM_001025194	c.C609A	p.D203E
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CES3	NM_001185177	c.C1334T	p.P445L
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CES4A	NM_001190201	c.A478C	p.S160R
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CES5A	NM_001190158	c.G868A	p.E290K
CES5A	NM_001190158	c.T1698G	p.D566E
CES5A	NM_145024	c.G781A	p.E261K
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CFAP221	NM_001271049	c.G2385T	p.M795I
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CFAP43	NM_025145	c.C890T	p.P297L
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CFAP44	NM_001164496	c.C2234T	p.P745L

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CFDP1	NM_006324	c.G178A	p.A60T
CFH	NM_000186	c.A3148T	p.N1050Y
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CFHR4	NM_001201550	c.G1658A	p.G553E
CFHR4	NM_001201551	c.G1655A	p.G552E
CFHR5	NM_030787	c.C136T	p.P46S
CFHR5	NM_030787	c.T622C	p.C208R
CFI	NM_000204	c.C191T	p.P64L
CFI	NM_000204	c.C949T	p.R317W
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CFTR	NM_000492	c.A1666G	p.I556V
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CGNL1	NM_001252335	c.A1031G	p.D344G
CGNL1	NM_001252335	c.C1376T	p.S459F
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CGNL1	NM_032866	c.A1634T	p.E545V
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CH25H	NM_003956	c.G8T	p.C3F
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CHAF1A	NM_005483	c.C2768T	p.A923V
CHAF1A	NM_005483	c.G2288A	p.R763Q
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CKM	NM_001824	c.G163A	p.D55N
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CLDN8	NM_199328	c.T451C	p.S151P
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CLEC10A	NM_006344	c.G218A	p.R73K
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CLEC12A	NM_138337	c.A730C	p.K244Q
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CLEC12B	NM_001129998	c.G346C	p.V116L
CLEC16A	NM_015226	c.G2920A	p.V974M
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CLEC1B	NM_016509	c.T70C	p.S24P
CLEC2A	NM_207375	c.G407A	p.G136D
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CLEC3A	NM_001244755	c.C433A	p.Q145K
CLEC3A	NM_005752	c.C616A	p.Q206K
CLEC3B	NM_003278	c.G316A	p.G106S
CLEC4A	NM_016184	c.A107T	p.H36L
CLEC4C	NM_130441	c.C196T	p.P66S
CLEC4C	NM_203503	c.C103T	p.P35S
CLEC4F	NM_001258027	c.C19T	p.R7C
CLEC4F	NM_001258027	c.G1052A	p.R351H
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CLEC4F	NM_173535	c.C1741G	p.P581A
CLEC4F	NM_173535	c.G7A	p.G3S
CLEC4M	NM_001144905	c.G799A	p.D267N
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CLEC4M	NM_001144909	c.T1021C	p.W341R
CLEC4M	NM_001144910	c.1058dupG	p.W353fs
CLEC4M	NM_001144910	c.G802A	p.D268N

CLEC4M	NM_001144910	c.T1090C	p.W364R
CLEC4M	NM_014257	c.G871A	p.D291N
CLEC4M	NM_014257	c.T1159C	p.W387R
CLEC6A	NM_001007033	c.A23C	p.Q8P
CLEC7A	NM_197950	c.C310T	p.L104F
CLEC9A	NM_207345	c.C320G	p.A107G
CLECL1	NM_001253750	c.152_153insACTTA	p.L51fs
CLECL1	NM_001253750	c.T21A	p.H7Q
CLECL1	NM_172004	c.A403G	p.T135A
CLGN	NM_001130675	c.G478T	p.A160S
CLGN	NM_001130675	c.G868A	p.V290I
CLGN	NM_004362	c.C808T	p.P270S
CLHC1	NM_001135598	c.C1142T	p.A381V
CLHC1	NM_001135598	c.C167T	p.A56V
CLHC1	NM_152385	c.C1508T	p.A503V
CLHC1	NM_152385	c.C533T	p.A178V
CLHC1	NM_001135598	c.G910A	p.V304I
CLIC3	NM_004669	c.G682T	p.A228S
CLIC5	NM_001114086	c.C770A	p.P257H
CLIC5	NM_001256023	c.C293A	p.P98H
CLIC6	NM_053277	c.A1945G	p.T649A
CLINT1	NM_001195555	c.T1758A	p.N586K
CLIP1	NM_001247997	c.G2353A	p.E785K
CLIP1	NM_002956	c.G2320A	p.E774K
CLIP1	NM_002956	c.T2788C	p.S930P
CLIP1	NM_198240	c.G2215A	p.E739K
CLIP1	NM_198240	c.T2683C	p.S895P
CLIP2	NM_032421	c.C2778A	p.D926E
CLIP2	NM_032421	c.G2825C	p.R942P
CLIP4	NM_001287527	c.G1457T	p.R486L
CLK2	NM_001294338	c.G134A	p.R45H
CLK4	NM_020666	c.A1056T	p.L352F
CLK4	NM_020666	c.C70T	p.R24C
CLLU1	NM_001025233	c.121dupA	p.N41fs
CLLU1	NM_001025233	c.212delT	p.I71fs
CLLU1	NM_001025233	c.A31G	p.I11V
CLLU1	NM_001025233	c.C26T	p.S9F
CLMN	NM_024734	c.G247A	p.E83K
CLMP	NM_024769	c.G206A	p.R69H
CLN3	NM_000086	c.A1211G	p.H404R
CLN3	NM_001286109	c.A977G	p.H326R
CLN5	NM_006493	c.C4T	p.R2C
CLN5	NM_006493	c.C726A	p.N242K
CLN5	NM_006493	c.1174_1175insAT	p.Y392fs
CLN6	NM_017882	c.C328T	p.R110C
CLN8	NM_018941	c.C46A	p.L16M
CLNK	NM_052964	c.C92T	p.P31L
CLOCK	NM_001267843	c.C623G	p.S208C
CLP1	NM_006831	c.T650C	p.V217A
CLPB	NM_001258393	c.C1427T	p.T476I

CLPB	NM_001258394	c.C1469T	p.T490I
CLPS	NM_001252598	c.T23C	p.L8P
CLPS	NM_001832	c.G164A	p.R55H
CLPSL2	NM_001286550	c.G154A	p.G52S
CLPTM1	NM_001282175	c.C514T	p.R172C
CLPTM1L	NM_030782	c.C1610T	p.T537M
CLPTM1L	NM_030782	c.G436A	p.G146R
CLPTM1L	NM_030782	c.G619A	p.V207M
CLPX	NM_006660	c.T41C	p.V14A
CLRN2	NM_001079827	c.C337G	p.L113V
CLRN2	NM_001079827	c.G457A	p.A153T
CLRN3	NM_152311	c.C212A	p.P71Q
CLRN3	NM_152311	c.T223A	p.F75I
CLSPN	NM_001190481	c.A1574G	p.N525S
CLSPN	NM_001190481	c.C3647T	p.S1216L
CLSPN	NM_001190481	c.G17A	p.G6D
CLSPN	NM_022111	c.C3839T	p.S1280L
CLSTN1	NM_001009566	c.G994A	p.A332T
CLSTN1	NM_001302883	c.G1582A	p.G528R
CLSTN1	NM_014944	c.G497A	p.G166E
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CLSTN2	NM_022131	c.C860T	p.T287M
CLSTN2	NM_022131	c.G1096A	p.V366I
CLSTN2	NM_022131	c.T917A	p.I306N
CLSTN2	NM_022131	c.T992C	p.I331T
CLSTN3	NM_014718	c.A2128C	p.I710L
CLSTN3	NM_014718	c.G2624A	p.R875H
CLSTN3	NM_014718	c.G43T	p.A15S
CLSTN3	NM_014718	c.G502T	p.A168S
CLTCL1	NM_001835	c.A3584G	p.N1195S
CLTCL1	NM_001835	c.A3946G	p.M1316V
CLTCL1	NM_001835	c.A614G	p.K205R
CLTCL1	NM_001835	c.A836G	p.Y279C
CLTCL1	NM_001835	c.C182T	p.P61L
CLTCL1	NM_001835	c.C3136T	p.R1046C
CLTCL1	NM_001835	c.G130T	p.V44F
CLTCL1	NM_001835	c.G4688A	p.R1563H
CLTCL1	NM_001835	c.T4181C	p.I1394T
CLTCL1	NM_007098	c.A719G	p.N240S
CLTCL1	NM_007098	c.G3259A	p.E1087K
CLUAP1	NM_015041	c.C1201T	p.R401W
CLUAP1	NM_015041	c.G1084A	p.D362N
CLUAP1	NM_015041	c.G586T	p.V196F
CLUAP1	NM_024793	c.C703T	p.R235W
CLUH	NM_015229	c.C1898T	p.A633V
CLUL1	NM_001289036	c.A1187G	p.D396G
CLVS2	NM_001010852	c.G533A	p.S178N
CLYBL	NM_206808	c.A721G	p.I241V
CLYBL	NM_206808	c.G382A	p.V128I
CLYBL	NM_206808	c.G82T	p.D28Y

CMA1	NM_001836	c.A197G	p.H66R
CMA1	NM_001836	c.C470A	p.P157Q
CMA1	NM_001836	c.G136C	p.G46R
CMA1	NM_001836	c.G649A	p.V217I
CMKLR1	NM_001142343	c.C424T	p.L142F
CMKLR1	NM_004072	c.C418T	p.L140F
CMPK1	NM_016308	c.G240T	p.Q80H
CMPK2	NM_207315	c.G1262A	p.G421D
CMSS1	NM_001167924	c.A359G	p.E120G
CMSS1	NM_001167924	c.G442A	p.V148I
CMSS1	NM_032359	c.G496A	p.V166I
CMTM2	NM_001199317	c.G181A	p.E61K
CMTM2	NM_144673	c.T365C	p.I122T
CMTM3	NM_144601	c.G424A	p.V142M
CMTM5	NM_001288746	c.371dupC	p.T124fs
CMTM5	NM_001288746	c.G491A	p.R164H
CMTM5	NM_138460	c.G290A	p.R97H
CMTM6	NM_017801	c.A271G	p.T91A
CMTR1	NM_015050	c.G431A	p.R144Q
CMTR2	NM_001099642	c.A1247G	p.N416S
CMTR2	NM_001099642	c.C1823A	p.T608K
CMTR2	NM_018348	c.C178T	p.L60F
CMYA5	NM_153610	c.A10747G	p.K3583E
CMYA5	NM_153610	c.A12070G	p.N4024D
CMYA5	NM_153610	c.A191G	p.Y64C
CMYA5	NM_153610	c.A3925G	p.I1309V
CMYA5	NM_153610	c.A4138G	p.I1380V
CMYA5	NM_153610	c.A4943G	p.Q1648R
CMYA5	NM_153610	c.A5161G	p.I1721V
CMYA5	NM_153610	c.A569G	p.D190G
CMYA5	NM_153610	c.A5750G	p.D1917G
CMYA5	NM_153610	c.A5758G	p.S1920G
CMYA5	NM_153610	c.A8718C	p.K2906N
CMYA5	NM_153610	c.C1004T	p.T335I
CMYA5	NM_153610	c.C12188T	p.P4063L
CMYA5	NM_153610	c.C159A	p.D53E
CMYA5	NM_153610	c.C3146T	p.T1049I
CMYA5	NM_153610	c.C3884T	p.A1295V
CMYA5	NM_153610	c.C3998T	p.A1333V
CMYA5	NM_153610	c.C5624T	p.A1875V
CMYA5	NM_153610	c.G1046A	p.G349D
CMYA5	NM_153610	c.G11780A	p.R3927Q
CMYA5	NM_153610	c.G1772A	p.G591D
CMYA5	NM_153610	c.G1846A	p.V616I
CMYA5	NM_153610	c.G6784C	p.V2262L
CMYA5	NM_153610	c.G6970A	p.G2324S
CMYA5	NM_153610	c.G8803A	p.G2935R
CMYA5	NM_153610	c.T2061G	p.S687R
CMYA5	NM_153610	c.T3017C	p.V1006A
CMYA5	NM_153610	c.T3112C	p.F1038L

CMYA5	NM_153610	c.T5006C	p.L1669S
CNBD2	NM_001207076	c.C1123T	p.P375S
CNBP	NM_001127195	c.A61G	p.T21A
CNDP1	NM_032649	c.C1140A	p.H380Q
CNDP1	NM_032649	c.C1336T	p.R446W
CNDP1	NM_032649	c.C808A	p.H270N
CNDP1	NM_032649	c.G16A	p.G6R
CNDP2	NM_018235	c.C1333T	p.H445Y
CNDP2	NM_018235	c.T376C	p.Y126H
CNGA1	NM_000087	c.C959T	p.S320F
CNGA3	NM_001298	c.C143T	p.P48L
CNGA3	NM_001298	c.G1618A	p.V540I
CNGA4	NM_001037329	c.G1166A	p.R389Q
CNGA4	NM_001037329	c.G1331C	p.C444S
CNGA4	NM_001037329	c.G1462A	p.A488T
CNGA4	NM_001037329	c.G986A	p.R329Q
CNGA4	NM_001037329	c.T1622G	p.M541R
CNGB1	NM_001286130	c.A2714G	p.K905R
CNGB1	NM_001286130	c.C1364T	p.T455M
CNGB1	NM_001286130	c.C2215A	p.L739I
CNGB1	NM_001286130	c.C2864T	p.A955V
CNGB1	NM_001286130	c.G2972A	p.R991H
CNGB1	NM_001286130	c.G299A	p.R100H
CNGB1	NM_001286130	c.T1586C	p.V529A
CNGB1	NM_001297	c.A1024G	p.K342E
CNGB1	NM_001297	c.A2732G	p.K911R
CNGB1	NM_001297	c.C2233A	p.L745I
CNGB1	NM_001297	c.C2882T	p.A961V
CNGB1	NM_001297	c.G2681A	p.R894H
CNGB1	NM_001297	c.T1604C	p.V535A
CNGB3	NM_019098	c.A2264G	p.E755G
CNGB3	NM_019098	c.A892C	p.T298P
CNGB3	NM_019098	c.A919G	p.I307V
CNGB3	NM_019098	c.T702G	p.C234W
CNKS1	NM_001297647	c.C2080A	p.H694N
CNKS1	NM_001297648	c.C1189T	p.R397W
CNKS1	NM_001297648	c.C1285A	p.H429N
CNKS1	NM_001297648	c.C688T	p.R230C
CNKS1	NM_001297648	c.C961A	p.Q321K
CNKS1	NM_006314	c.C1462T	p.R488C
CNKS1	NM_006314	c.C2059A	p.H687N
CNKS1	NM_006314	c.G1520A	p.R507Q
CNKS3	NM_173515	c.A1007G	p.K336R
CNN3	NM_001286056	c.A17G	p.N6S
CNNM4	NM_020184	c.T1541C	p.M514T
CNOT1	NM_001265612	c.G1641A	p.M547I
CNOT1	NM_016284	c.G896A	p.R299Q
CNOT10	NM_001256741	c.A1541T	p.Y514F
CNOT10	NM_001256742	c.A1222T	p.T408S
CNOT11	NM_017546	c.C604T	p.R202C

CNOT3	NM_014516	c.C1414T	p.P472S
CNOT3	NM_014516	c.C940T	p.P314S
CNOT4	NM_001190847	c.C20G	p.A7G
CNOT4	NM_001190847	c.C847G	p.L283V
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CNOT6	NM_001303241	c.G883C	p.V295L
CNP	NM_033133	c.G636T	p.E212D
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CNPPD1	NM_015680	c.C1097T	p.P366L
CNPPD1	NM_015680	c.C160T	p.L54F
CNPPD1	NM_015680	c.T785C	p.I262T
CNPPD1	NM_015680	c.T875C	p.L292P
CNPY2	NM_001190991	c.G133A	p.V45M
CNPY3	NM_006586	c.G692T	p.S231I
CNST	NM_152609	c.T260C	p.L87S
CNTD2	NM_024877	c.G89A	p.S30N
CNTLN	NM_001114395	c.A850G	p.T284A
CNTLN	NM_017738	c.C1684T	p.R562C
CNTLN	NM_017738	c.C2084T	p.T695I
CNTN2	NM_005076	c.C1097T	p.P366L
CNTN2	NM_005076	c.C1309G	p.L437V
CNTN2	NM_005076	c.G1739A	p.R580H
CNTN2	NM_005076	c.G178A	p.A60T
CNTN2	NM_005076	c.G3070A	p.V1024I
CNTN2	NM_005076	c.G433A	p.A145T
CNTN3	NM_020872	c.A2123G	p.N708S
CNTN4	NM_001206956	c.T901C	p.Y301H
CNTN5	NM_001243270	c.T3235A	p.S1079T
CNTN5	NM_014361	c.A1717G	p.R573G
CNTN5	NM_175566	c.T3013A	p.S1005T
CNTN6	NM_001289081	c.C1814T	p.A605V
CNTN6	NM_014461	c.A1114G	p.I372V
CNTN6	NM_014461	c.C2030T	p.A677V
CNTN6	NM_014461	c.G908A	p.R303Q
CNTNAP1	NM_003632	c.G3418A	p.D1140N
CNTNAP2	NM_014141	c.G341A	p.R114Q
CNTNAP3	NM_033655	c.C845T	p.T282M
CNTNAP3	NM_033655	c.G2534A	p.R845H
CNTNAP3B	NM_001201380	c.882delT	p.H294fs
CNTNAP4	NM_138994	c.G1320C	p.Q440H
CNTNAP4	NM_138994	c.T3246G	p.D1082E
CNTNAP4	NM_138994	c.A2138G	p.Q713R
CNTNAP5	NM_130773	c.C1355T	p.S452L
CNTNAP5	NM_130773	c.C3584T	p.T1195M
CNTRL	NM_007018	c.A3436G	p.M1146V
CNTRL	NM_007018	c.C1264G	p.L422V
CNTRL	NM_007018	c.C647T	p.P216L
CNTRL	NM_007018	c.G3529C	p.V1177L



CNTRL	NM_007018	c.T2861C	p.L954S
CNTRL	NM_007018	c.T6683C	p.M2228T
CNTRL	NM_007018	c.G166A	p.V56I
CNTROB	NM_001037144	c.A1439T	p.H480L
CNTROB	NM_001037144	c.A1615T	p.N539Y
CNTROB	NM_001037144	c.C1733A	p.P578Q
CNTROB	NM_001037144	c.C2105T	p.P702L
COASY	NM_001042529	c.801dupC	p.I267fs
COASY	NM_001042529	c.C1285T	p.R429W
COASY	NM_001042529	c.C164A	p.S55Y
COASY	NM_001042532	c.888dupC	p.I296fs
COASY	NM_001042532	c.C251A	p.S84Y
COBL	NM_001287436	c.A1611T	p.E537D
COBL	NM_001287436	c.C2928G	p.H976Q
COBL	NM_001287436	c.C3649T	p.H1217Y
COBL	NM_001287436	c.G1990A	p.V664I
COBL	NM_015198	c.A1440T	p.E480D
COBL	NM_015198	c.C2757G	p.H919Q
COBL	NM_015198	c.C3478T	p.H1160Y
COBL	NM_015198	c.G1819A	p.V607I
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COBL	NM_015198	c.A1730C	p.D577A
COBLL1	NM_001278458	c.C2813T	p.T938I
COBLL1	NM_001278458	c.G1177A	p.V393M
COBLL1	NM_001278460	c.G1117A	p.V373M
COBLL1	NM_001278461	c.C2498T	p.T833I
COBLL1	NM_001278461	c.G979A	p.V327M
COBLL1	NM_014900	c.C2612T	p.T871I
COCH	NM_001135058	c.1049_1050insAGCT	p.L350fs
COG1	NM_018714	c.A1175G	p.N392S
COG1	NM_018714	c.G1357C	p.E453Q
COG1	NM_018714	c.G58C	p.A20P
COG1	NM_018714	c.G903C	p.Q301H
COG2	NM_001145036	c.A1036G	p.I346V
COG2	NM_001145036	c.C1532G	p.T511S
COG3	NM_031431	c.A2240G	p.N747S
COG4	NM_015386	c.C592T	p.R198C
COG4	NM_001195139	c.C485T	p.T162I
COG5	NM_001161520	c.A1093G	p.I365V
COG5	NM_001161520	c.T988C	p.F330L
COG5	NM_006348	c.A1340G	p.Y447C
COG5	NM_006348	c.A1355G	p.H452R
COG6	NM_001145079	c.T1340C	p.M447T
COIL	NM_004645	c.G433A	p.V145I
COL10A1	NM_000493	c.G1633C	p.G545R
COL10A1	NM_000493	c.T150A	p.S50R
COL11A1	NM_001190709	c.C2804A	p.P935Q
COL11A1	NM_001190709	c.G904C	p.E302Q
COL11A1	NM_001190709	c.T138G	p.D46E
COL11A1	NM_080629	c.A828C	p.K276N

COL11A1	NM_080629	c.C4004T	p.P1335L
COL11A1	NM_080630	c.C3620T	p.P1207L
COL11A1	NM_001190709	c.C3851T	p.P1284L
COL11A1	NM_001854	c.C3968T	p.P1323L
COL11A2	NM_080679	c.C1294T	p.R432W
COL11A2	NM_080679	c.C2360T	p.P787L
COL11A2	NM_080680	c.C1615T	p.R539W
COL11A2	NM_080680	c.C2681T	p.P894L
COL11A2	NM_080680	c.C3946A	p.P1316T
COL11A2	NM_080680	c.C5165T	p.P1722L
COL11A2	NM_080680	c.G4652A	p.R1551Q
COL11A2	NM_080680	c.G826A	p.E276K
COL11A2	NM_080681	c.C1357T	p.R453W
COL11A2	NM_080681	c.C2423T	p.P808L
COL11A2	NM_080681	c.C3688A	p.P1230T
COL11A2	NM_080681	c.C4907T	p.P1636L
COL12A1	NM_004370	c.8572dupC	p.P2858fs
COL12A1	NM_004370	c.A6479T	p.E2160V
COL12A1	NM_004370	c.G5467A	p.V1823I
COL12A1	NM_004370	c.G9172A	p.G3058S
COL12A1	NM_004370	c.T5213C	p.I1738T
COL12A1	NM_080645	c.A2987T	p.E996V
COL12A1	NM_080645	c.T1721C	p.I574T
COL12A1	NM_080645	c.G5680A	p.G1894S
COL13A1	NM_080800	c.G1516A	p.V506M
COL14A1	NM_021110	c.A1687C	p.N563H
COL14A1	NM_021110	c.A1880C	p.Q627P
COL14A1	NM_021110	c.A566G	p.D189G
COL14A1	NM_021110	c.C2530T	p.R844W
COL14A1	NM_021110	c.G2230A	p.G744S
COL15A1	NM_001855	c.A1370G	p.D457G
COL15A1	NM_001855	c.A1518C	p.E506D
COL15A1	NM_001855	c.A610G	p.M204V
COL15A1	NM_001855	c.C1172T	p.T391M
COL15A1	NM_001855	c.C2114T	p.P705L
COL15A1	NM_001855	c.G1266A	p.M422I
COL15A1	NM_001855	c.G1511T	p.G504V
COL15A1	NM_001855	c.G3994A	p.V1332I
COL16A1	NM_001856	c.1713delC	p.S571fs
COL16A1	NM_001856	c.C1445T	p.S482L
COL16A1	NM_001856	c.C185A	p.T62K
COL16A1	NM_001856	c.C2272G	p.P758A
COL16A1	NM_001856	c.C3077T	p.P1026L
COL16A1	NM_001856	c.G1253A	p.R418Q
COL16A1	NM_001856	c.G1510T	p.G504C
COL16A1	NM_001856	c.G3007A	p.E1003K
COL17A1	NM_000494	c.A4109G	p.D1370G
COL17A1	NM_000494	c.C629T	p.T210M
COL17A1	NM_000494	c.G2971A	p.V991M
COL17A1	NM_000494	c.G3206A	p.R1069Q

COL17A1	NM_000494	c.G3908A	p.R1303Q
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COL18A1	NM_030582	c.G2080A	p.D694N
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COL18A1	NM_030582	c.G538A	p.A180T
COL18A1	NM_130444	c.A5201G	p.H1734R
COL18A1	NM_130444	c.C502G	p.L168V
COL18A1	NM_130444	c.G1936A	p.V646M
COL18A1	NM_130444	c.G2785A	p.D929N
COL18A1	NM_130444	c.G3226A	p.V1076I
COL18A1	NM_130444	c.G3585C	p.Q1195H
COL18A1	NM_130444	c.G4892A	p.R1631H
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COL18A1	NM_130444	c.G5087A	p.R1696H
COL18A1	NM_130445	c.G1981A	p.V661I
COL18A1	NM_130445	c.G3601A	p.A1201T
COL18A1	NM_130445	c.G3769A	p.D1257N
COL19A1	NM_001858	c.C1055G	p.A352G
COL19A1	NM_001858	c.G883A	p.G295R
COL1A1	NM_000088	c.C2414T	p.P805L
COL1A1	NM_000088	c.C613G	p.P205A
COL1A1	NM_000088	c.G1691A	p.R564H
COL1A2	NM_000089	c.C1645G	p.P549A
COL20A1	NM_020882	c.2709delC	p.F903fs
COL20A1	NM_020882	c.C1835T	p.T612M
COL20A1	NM_020882	c.C1921T	p.R641W
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COL20A1	NM_020882	c.G1721A	p.R574Q
COL20A1	NM_020882	c.T3806C	p.M1269T
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COL21A1	NM_030820	c.C1028T	p.T343M
COL21A1	NM_030820	c.C2240A	p.A747D
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COL22A1	NM_152888	c.C2813A	p.A938D
COL22A1	NM_152888	c.C3977T	p.P1326L
COL22A1	NM_152888	c.A958G	p.S320G
COL23A1	NM_173465	c.A859G	p.T287A
COL23A1	NM_173465	c.C799T	p.R267W
COL23A1	NM_173465	c.G304A	p.G102R
COL24A1	NM_152890	c.C2191T	p.P731S
COL24A1	NM_152890	c.C2441A	p.A814D
COL24A1	NM_152890	c.G1922A	p.R641H
COL24A1	NM_152890	c.T878C	p.I293T
COL24A1	NM_152890	c.C182T	p.A61V
COL27A1	NM_032888	c.A1831T	p.I611F

COL27A1	NM_032888	c.A359G	p.Q120R
COL27A1	NM_032888	c.A5422G	p.M1808V
COL27A1	NM_032888	c.G2098A	p.G700R
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COL27A1	NM_032888	c.G3281A	p.R1094Q
COL27A1	NM_032888	c.G4061A	p.R1354Q
COL27A1	NM_032888	c.T1610C	p.I537T
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COL28A1	NM_001037763	c.G1850A	p.R617Q
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COL2A1	NM_001844	c.C1913T	p.T638I
COL2A1	NM_001844	c.G3991A	p.V1331I
COL2A1	NM_001844	c.G4213A	p.G1405S
COL2A1	NM_033150	c.G3784A	p.V1262I
COL2A1	NM_033150	c.G4006A	p.G1336S
COL3A1	NM_000090	c.G2092A	p.A698T
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COL4A1	NM_001845	c.C1588T	p.P530S
COL4A1	NM_001845	c.C3776G	p.P1259R
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COL4A2	NM_001846	c.C547T	p.R183W
COL4A2	NM_001846	c.G1550A	p.R517K
COL4A2	NM_001846	c.G2048C	p.G683A
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COL4A3	NM_000091	c.A485G	p.E162G
COL4A3	NM_000091	c.C1721T	p.P574L
COL4A3	NM_000091	c.C1886T	p.T629M
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COL4A3	NM_000091	c.G127C	p.G43R
COL4A3	NM_000091	c.G805A	p.E269K
COL4A3	NM_000091	c.G976T	p.D326Y
COL4A3	NM_000091	c.T2699C	p.I900T
COL4A3	NM_000091	c.T422C	p.L141P
COL4A4	NM_000092	c.C1444T	p.P482S
COL4A4	NM_000092	c.C3011T	p.P1004L
COL4A4	NM_000092	c.C4760G	p.P1587R
COL4A4	NM_000092	c.G1634C	p.G545A
COL4A4	NM_000092	c.T17C	p.I6T

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COL5A1	NM_000093	c.C278T	p.A93V
COL5A1	NM_000093	c.C2983A	p.P995T
COL5A1	NM_000093	c.G1588A	p.G530S
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COL5A2	NM_000393	c.A1081C	p.M361L
COL5A2	NM_000393	c.C1378T	p.P460S
COL5A2	NM_000393	c.C2498T	p.P833L
COL5A2	NM_000393	c.C3098T	p.P1033L
COL5A3	NM_015719	c.C1465T	p.R489C
COL5A3	NM_015719	c.C3373T	p.P1125S
COL5A3	NM_015719	c.C4925T	p.T1642I
COL5A3	NM_015719	c.G3125C	p.R1042P
COL5A3	NM_015719	c.G4282A	p.V1428M
COL5A3	NM_015719	c.G5071A	p.V1691I
COL5A3	NM_015719	c.G838C	p.A280P
COL5A3	NM_015719	c.A964G	p.R322G
COL6A1	NM_001848	c.A2441G	p.K814R
COL6A1	NM_001848	c.C202T	p.R68C
COL6A1	NM_001848	c.C821T	p.P274L
COL6A1	NM_001848	c.G2348A	p.R783Q
COL6A1	NM_001848	c.G2549A	p.R850H
COL6A1	NM_001848	c.G347A	p.S116N
COL6A1	NM_001848	c.C2642T	p.T881M
COL6A1	NM_001848	c.G2716A	p.A906T
COL6A2	NM_001849	c.C2599T	p.R867W
COL6A2	NM_001849	c.C2795T	p.P932L
COL6A2	NM_001849	c.G1585A	p.E529K
COL6A2	NM_001849	c.G2039A	p.R680H
COL6A2	NM_001849	c.G2803A	p.G935R
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COL6A2	NM_058174	c.G1196A	p.S399N
COL6A3	NM_004369	c.A5261G	p.K1754R
COL6A3	NM_004369	c.C6289T	p.R2097W
COL6A3	NM_004369	c.C6653T	p.P2218L
COL6A3	NM_004369	c.C8243T	p.P2748L
COL6A3	NM_004369	c.C8735T	p.P2912L
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COL6A3	NM_057164	c.G3073A	p.G1025R
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COL6A3	NM_057165	c.G853C	p.D285H
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COL6A3	NM_057166	c.C4468T	p.R1490W
COL6A3	NM_057166	c.C4832T	p.P1611L
COL6A3	NM_057166	c.C6188T	p.A2063V

COL6A3	NM_057166	c.C6422T	p.P2141L
COL6A3	NM_057166	c.C6914T	p.P2305L
COL6A3	NM_057166	c.G1625A	p.R542Q
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COL6A3	NM_057166	c.G6670C	p.D2224H
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COL6A3	NM_057167	c.C7625T	p.P2542L
COL6A3	NM_057167	c.C8117T	p.P2706L
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COL6A3	NM_057167	c.G7873C	p.D2625H
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COL6A5	NM_001278298	c.C6487T	p.R2163W
COL6A5	NM_001278298	c.G6419C	p.G2140A
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COL6A5	NM_153264	c.G7273A	p.V2425I
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COL6A5	NM_001278298	c.G6614A	p.G2205D
COL6A6	NM_001102608	c.A4964G	p.Y1655C
COL6A6	NM_001102608	c.A5396G	p.H1799R
COL6A6	NM_001102608	c.C1666T	p.P556S
COL6A6	NM_001102608	c.C5263G	p.P1755A
COL6A6	NM_001102608	c.C536A	p.T179K
COL6A6	NM_001102608	c.G5216A	p.R1739Q
COL6A6	NM_001102608	c.T2747C	p.I916T
COL6A6	NM_001102608	c.T3410C	p.I1137T
COL6A6	NM_001102608	c.G1108A	p.A370T
COL7A1	NM_000094	c.C1784T	p.P595L
COL7A1	NM_000094	c.C1882T	p.R628W
COL7A1	NM_000094	c.C2791T	p.R931C
COL7A1	NM_000094	c.C3830T	p.P1277L
COL7A1	NM_000094	c.C3991T	p.P1331S
COL7A1	NM_000094	c.C4118T	p.S1373L
COL7A1	NM_000094	c.C4978T	p.R1660W
COL7A1	NM_000094	c.C5819T	p.P1940L
COL7A1	NM_000094	c.C7286T	p.P2429L
COL7A1	NM_000094	c.C8240T	p.P2747L
COL7A1	NM_000094	c.C8371T	p.R2791W
COL7A1	NM_000094	c.C89T	p.T30I
COL7A1	NM_000094	c.G592A	p.V198I
COL7A1	NM_000094	c.G5930T	p.R1977L
COL7A1	NM_000094	c.T923C	p.I308T
COL8A1	NM_001850	c.A2044G	p.N682D
COL9A1	NM_001851	c.A1862G	p.Q621R
COL9A1	NM_001851	c.A2299G	p.M767V
COL9A1	NM_001851	c.A674T	p.D225V
COL9A1	NM_001851	c.C2470A	p.P824T
COL9A1	NM_001851	c.T1015C	p.S339P
COL9A1	NM_078485	c.A1133G	p.Q378R

COL9A1	NM_078485	c.T286C	p.S96P
COL9A2	NM_001852	c.A977G	p.Q326R
COL9A2	NM_001852	c.C1003G	p.L335V
COL9A2	NM_001852	c.C737T	p.T246M
COL9A2	NM_001852	c.G1741A	p.V581I
COL9A2	NM_001852	c.G775A	p.G259S
COL9A2	NM_001852	c.T335G	p.L112R
COL9A3	NM_001853	c.C1304A	p.A435E
COL9A3	NM_001853	c.C1547T	p.P516L
COL9A3	NM_001853	c.C280T	p.P94S
COL9A3	NM_001853	c.C763T	p.P255S
COL9A3	NM_001853	c.C887T	p.P296L
COL9A3	NM_001853	c.G308A	p.R103Q
COLEC11	NM_001255982	c.A584G	p.H195R
COLEC11	NM_001255984	c.A512G	p.H171R
COLEC11	NM_001255985	c.A698G	p.H233R
COLEC11	NM_024027	c.A656G	p.H219R
COLEC11	NM_199235	c.A647G	p.H216R
COLEC12	NM_130386	c.C1823T	p.P608L
COLEC12	NM_130386	c.G138C	p.L46F
COLGALT1	NM_024656	c.C380T	p.P127L
COLGALT1	NM_024656	c.C500T	p.A167V
COLGALT2	NM_001303420	c.G112A	p.D38N
COLGALT2	NM_015101	c.A1154T	p.Q385L
COLGALT2	NM_015101	c.G1069A	p.D357N
COMMD1	NM_152516	c.C358T	p.R120W
COMMD10	NM_016144	c.T383G	p.I128S
COMMD2	NM_016094	c.A337C	p.I113L
COMMD5	NM_001081003	c.G16A	p.A6T
COMMD8	NM_017845	c.T173G	p.I58S
COMP	NM_000095	c.A1156G	p.N386D
COMT	NM_001135161	c.G472A	p.V158M
COMT	NM_007310	c.G322A	p.V108M
COPE	NM_007263	c.C350T	p.T117I
COPE	NM_199444	c.C398T	p.P133L
COPRS	NM_018405	c.A127G	p.S43G
COQ10B	NM_025147	c.A674G	p.N225S
COQ3	NM_017421	c.A814G	p.S272G
COQ5	NM_032314	c.C721T	p.R241W
COQ5	NM_032314	c.G454A	p.A152T
COQ6	NM_182476	c.A1016T	p.D339V
COQ6	NM_182476	c.G1216A	p.V406M
COQ6	NM_182480	c.A941T	p.D314V
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COQ7	NM_001190983	c.C194T	p.T65M
COQ7	NM_016138	c.C308T	p.T103M
COQ9	NM_020312	c.C826T	p.R276W
CORIN	NM_001278585	c.A1262G	p.H421R
CORIN	NM_001278585	c.G38A	p.C13Y
CORIN	NM_001278586	c.A1463G	p.H488R

CORIN	NM_006587	c.A1574G	p.H525R
CORO1B	NM_001018070	c.C494T	p.A165V
CORO1B	NM_001018070	c.G1252A	p.A418T
CORO2A	NM_052820	c.C108G	p.H36Q
CORO2A	NM_052820	c.G805A	p.G269S
CORO6	NM_032854	c.T1232C	p.L411P
CORO7	NM_001201472	c.G551A	p.R184Q
CORO7	NM_001201473	c.G350A	p.R117Q
CORO7	NM_001201472	c.G524A	p.R175Q
CORO7	NM_024535	c.G578A	p.R193Q
CORO7-PAM16	NM_001201479	c.C3109A	p.Q1037K
CORO7-PAM16	NM_001201479	c.G2900A	p.R967Q
CORO7-PAM16	NM_001201479	c.G578A	p.R193Q
CORO7-PAM16	NM_001201479	c.G605A	p.R202Q
COX10	NM_001303	c.A184T	p.T62S
COX10	NM_001303	c.G476A	p.R159Q
COX10	NM_001303	c.T1027C	p.C343R
COX11	NM_001162861	c.T682G	p.S228A
COX11	NM_001162862	c.T668G	p.V223G
COX15	NM_004376	c.T1120C	p.F374L
COX19	NM_001031617	c.A17G	p.N6S
COX19	NM_001031617	c.C36G	p.F12L
COX4I1	NM_001861	c.G7A	p.A3T
COX4I2	NM_032609	c.G482A	p.R161H
COX6A2	NM_005205	c.T34G	p.L12V
COX8C	NM_182971	c.C112T	p.P38S
CP	NM_000096	c.G1945A	p.A649T
CPA1	NM_001868	c.C371T	p.T124I
CPA1	NM_001868	c.G622A	p.A208T
CPA3	NM_001870	c.C848T	p.T283M
CPA3	NM_001870	c.G502T	p.A168S
CPA3	NM_001870	c.G514A	p.D172N
CPA3	NM_001870	c.G818C	p.R273P
CPA3	NM_001870	c.C512T	p.T171M
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CPA4	NM_001163446	c.G808T	p.G270C
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CPA4	NM_016352	c.116_117insAATTGAG	p.K39fs
CPA4	NM_016352	c.G907T	p.G303C
CPA5	NM_001127441	c.C902T	p.P301L
CPA5	NM_001127441	c.G1014T	p.E338D
CPA5	NM_001127441	c.T1007C	p.L336S
CPA5	NM_001127442	c.A107G	p.N36S
CPA5	NM_001127442	c.C235T	p.P79S
CPA5	NM_001127442	c.C55T	p.R19W
CPA5	NM_001127442	c.T1073C	p.M358T
CPA6	NM_020361	c.A746G	p.N249S
CPAMD8	NM_015692	c.A1778G	p.H593R
CPAMD8	NM_015692	c.C2348A	p.P783H
CPAMD8	NM_015692	c.C269T	p.A90V



CPAMD8	NM_015692	c.C3944T	p.T1315I
CPAMD8	NM_015692	c.G4889A	p.R1630Q
CPAMD8	NM_015692	c.T935C	p.M312T
CPB1	NM_001871	c.G622A	p.D208N
CPB2	NM_001278541	c.G505A	p.A169T
CPB2	NM_001872	c.T1040C	p.I347T
CPB2	NM_001278541	c.T929C	p.I310T
CPE	NM_001873	c.C1268T	p.A423V
CPEB1	NM_030594	c.G61A	p.A21T
CPED1	NM_001105533	c.A2123G	p.E708G
CPED1	NM_001105533	c.G2320A	p.D774N
CPED1	NM_001105533	c.G2345A	p.R782H
CPED1	NM_024913	c.A241G	p.T81A
CPM	NM_001005502	c.G71A	p.R24H
CPN1	NM_001308	c.G533A	p.G178D
CPN2	NM_001080513	c.A1526G	p.Q509R
CPN2	NM_001080513	c.A1582G	p.S528G
CPN2	NM_001080513	c.G1247A	p.R416Q
CPN2	NM_001080513	c.G1606A	p.V536M
CPN2	NM_001080513	c.G913A	p.A305T
CPNE1	NM_001198863	c.C1040G	p.P347R
CPNE1	NM_001198863	c.C383T	p.T128M
CPNE1	NM_001198863	c.G91A	p.V31I
CPNE1	NM_003915	c.C1055G	p.P352R
CPNE1	NM_003915	c.C398T	p.T133M
CPNE1	NM_003915	c.G106A	p.V36I
CPNE3	NM_003909	c.C1235T	p.T412M
CPNE7	NM_014427	c.G1190A	p.R397Q
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CPNE7	NM_153636	c.G965A	p.R322Q
CPO	NM_173077	c.G255A	p.M85I
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CPOX	NM_000097	c.A814C	p.N272H
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CPOX	NM_000097	c.G880A	p.V294I
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CPS1	NM_001122634	c.C2864A	p.T955N
CPS1	NM_001875	c.A1030G	p.T344A
CPS1	NM_001875	c.C4217A	p.T1406N
CPSF1	NM_013291	c.C2260T	p.L754F

CPSF1	NM_013291	c.G3085T	p.V1029L
CPT1A	NM_001031847	c.G1876C	p.V626L
CPT1A	NM_001031847	c.G823A	p.A275T
CPT1B	NM_001145134	c.A196G	p.I66V
CPT1B	NM_001145134	c.C1178G	p.S393C
CPT1B	NM_001145135	c.1015delC	p.H339fs
CPT1B	NM_001145135	c.C1280G	p.S427C
CPT1B	NM_001145135	c.G1591A	p.E531K
CPT1B	NM_001145135	c.G1688A	p.R563Q
CPT1B	NM_001145135	c.G1802A	p.R601Q
CPT1B	NM_001145137	c.G959A	p.G320D
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CPT2	NM_000098	c.C1511T	p.P504L
CPT2	NM_000098	c.G1102A	p.V368I
CPTP	NM_001029885	c.G197A	p.R66H
CPVL	NM_019029	c.C1304T	p.A435V
CPVL	NM_019029	c.C32T	p.S11L
CPVL	NM_019029	c.G1193A	p.R398H
CPVL	NM_019029	c.G74A	p.R25H
CPVL	NM_019029	c.T502C	p.Y168H
CPVL	NM_031311	c.G667A	p.V223M
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CPXM2	NM_198148	c.C376T	p.R126C
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CPZ	NM_001014447	c.C17T	p.P6L
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CPZ	NM_003652	c.C1469T	p.T490M
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CR1	NM_000573	c.A4619G	p.N1540S
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CR1	NM_000573	c.C313T	p.R105C
CR1	NM_000573	c.G4681A	p.V1561M
CR1	NM_000573	c.G6067A	p.V2023I
CR1	NM_000573	c.T2627C	p.V876A
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CR1	NM_000651	c.A5969G	p.N1990S
CR1	NM_000651	c.A6193G	p.I2065V
CR1	NM_000651	c.G7417A	p.V2473I
CR1	NM_000573	c.A5905G	p.T1969A
CR1	NM_000651	c.A7255G	p.T2419A
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CR1L	NM_175710	c.G788T	p.G263V
CR1L	NM_175710	c.T1472C	p.L491P
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CRACR2A	NM_001144958	c.C383T	p.A128V
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CRACR2A	NM_001144958	c.G292A	p.A98T
CRACR2A	NM_001144958	c.G460A	p.E154K
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CRACR2B	NM_001286606	c.A457G	p.K153E
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CRAT	NM_001257363	c.G325A	p.V109M
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CRB2	NM_173689	c.C205T	p.R69W
CRB2	NM_173689	c.C2176T	p.R726C
CRB2	NM_173689	c.C3329T	p.T1110M
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CRB2	NM_173689	c.G2380A	p.G794S
CRB2	NM_173689	c.G476C	p.G159A
CRB2	NM_173689	c.T434C	p.M145T
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CRCP	NM_014478	c.T338C	p.I113T
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CREB3L4	NM_001255980	c.C223T	p.P75S
CREB3L4	NM_001255980	c.G1105A	p.V369M
CREBBP	NM_001079846	c.A5819G	p.N1940S
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CRHR2	NM_001202483	c.C553T	p.R185C
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CRISP3	NM_001190986	c.G469T	p.A157S
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CROCC	NM_014675	c.A5230G	p.S1744G
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CROCC	NM_014675	c.C883T	p.R295C
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CROCC	NM_014675	c.G1115A	p.R372Q
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CRTC2	NM_181715	c.A439G	p.M147V
CRTC3	NM_001042574	c.G215A	p.S72N
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CRYAA	NM_000394	c.G335A	p.R112H
CRYAB	NM_001289807	c.C116T	p.P39L
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CRYGB	NM_005210	c.A331C	p.I111L
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CSF2	NM_000758	c.T350C	p.I117T
CSF2RB	NM_000395	c.A572G	p.N191S
CSF2RB	NM_000395	c.C1523A	p.P508H
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CSF3R	NM_000760	c.G1528C	p.D510H
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CSF3R	NM_156039	c.C2092T	p.R698C
CSF3R	NM_156039	c.G2047A	p.G683R
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CSMD1	NM_033225	c.G10433A	p.S3478N
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CSMD3	NM_052900	c.A5891G	p.Y1964C
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CSMD3	NM_198123	c.A10861C	p.N3621H
CSMD3	NM_198123	c.C5186T	p.A1729V
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CSNK1G2	NM_001319	c.A1063G	p.T355A
CSNK1G2	NM_001319	c.G517T	p.V173L
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CST1	NM_001898	c.T10C	p.Y4H
CST2	NM_001322	c.G236A	p.G79D
CST4	NM_001899	c.C62T	p.S21L
CST4	NM_001899	c.G186C	p.E62D
CST5	NM_001900	c.T136C	p.C46R
CST9	NM_001008693	c.C142T	p.L48F
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CSTA	NM_005213	c.C287T	p.T96M
CSTL1	NM_138283	c.A175G	p.T59A
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CTAGE5	NM_001247988	c.G528C	p.K176N
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CTAGE5	NM_001247989	c.G630C	p.K210N
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CTAGE5	NM_005930	c.A2143G	p.R715G
CTAGE5	NM_203356	c.A2056G	p.R686G
CTAGE5	NM_001247989	c.T17C	p.V6A
CTBP2	NM_022802	c.C1204T	p.P402S
CTBP2	NM_022802	c.C1615G	p.Q539E
CTBP2	NM_022802	c.C460T	p.R154W

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CTBS	NM_004388	c.T1145C	p.L382P
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CTC1	NM_025099	c.G248C	p.S83T
CTC1	NM_025099	c.A2458G	p.I820V
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CTCFL	NM_001269041	c.A1339G	p.M447V
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CTCFL	NM_001269044	c.A529G	p.T177A
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CTCFL	NM_001269055	c.A553G	p.M185V
CTCFL	NM_001269055	c.C787G	p.Q263E
CTCFL	NM_001269055	c.G557A	p.R186H
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CTDP1	NM_048368	c.T1066C	p.S356P
CTDSP2	NM_005730	c.C31T	p.R11W
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CTH	NM_001190463	c.G1112T	p.S371I
CTH	NM_001902	c.G1208T	p.S403I
CTH	NM_153742	c.G1076T	p.S359I
CTHRC1	NM_001256099	c.A1G	p.M1V
CTLA4	NM_001037631	c.A49G	p.T17A
CTNNA3	NM_001127384	c.C1603T	p.R535C
CTNNA3	NM_001127384	c.G1787A	p.S596N
CTNNA3	NM_001127384	c.T478A	p.S160T
CTNNA3	NM_001291133	c.T514A	p.S172T
CTNNAL1	NM_001286974	c.A272C	p.N91T
CTNNAL1	NM_001286974	c.G1579C	p.E527Q
CTNNAL1	NM_003798	c.G209A	p.R70H
CTNS	NM_001031681	c.C1138G	p.P380A
CTNS	NM_001031681	c.C779T	p.T260I
CTRB1	NM_001906	c.G664C	p.D222H
CTRB2	NM_001025200	c.G748A	p.A250T
CTRC	NM_007272	c.G703A	p.V235I
CTRL	NM_001907	c.A518G	p.H173R
CTRL	NM_001907	c.G144C	p.Q48H
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CTSA	NM_001127695	c.G1036A	p.V346M
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CTSC	NM_001814	c.G1201A	p.E401K
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CTSD	NM_001909	c.C173T	p.A58V
CTSF	NM_003793	c.C676T	p.R226C
CTSH	NM_004390	c.A479G	p.K160R
CTSK	NM_000396	c.T816A	p.D272E
CTSL	NM_001912	c.C69A	p.H23Q
CTSS	NM_001199739	c.T20C	p.V7A
CTSS	NM_004079	c.C337T	p.R113W
CTSZ	NM_001336	c.T587C	p.L196P
CTTN	NM_001184740	c.C1263G	p.S421R
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CYP7B1	NM_004820	c.G1250A	p.R417H
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CYS1	NM_001037160	c.G325A	p.A109T
CYSLTR2	NM_020377	c.A308G	p.N103S
CYSLTR2	NM_020377	c.T832A	p.L278I
CYTL1	NM_018659	c.C406T	p.R136C
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D2HGDH	NM_001287249	c.G610A	p.V204I
D2HGDH	NM_152783	c.C1082T	p.A361V
D2HGDH	NM_152783	c.G1012A	p.V338I
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D2HGDH	NM_152783	c.G1276A	p.A426T
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DAAM2	NM_015345	c.A2327C	p.K776T
DAB2	NM_001244871	c.C1694T	p.T565I
DAB2	NM_001244871	c.G10A	p.E4K
DAB2	NM_001244871	c.G1567A	p.V523I
DAB2IP	NM_032552	c.C2552T	p.A851V
DAB2IP	NM_032552	c.C469T	p.R157W
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DACT1	NM_001079520	c.C1280T	p.A427V
DACT1	NM_016651	c.C1391T	p.A464V
DACT2	NM_001286350	c.A542G	p.E181G
DACT2	NM_214462	c.A1052G	p.E351G
DAG1	NM_001177637	c.T278C	p.I93T
DAG1	NM_001177642	c.A259G	p.I87V
DAGLA	NM_006133	c.C2249T	p.A750V
DAGLA	NM_006133	c.C2430A	p.H810Q
DAGLA	NM_006133	c.C2666T	p.P889L
DAGLB	NM_001142936	c.450_451insA	p.R151fs
DAGLB	NM_001142936	c.A1604G	p.Q535R
DAGLB	NM_001142936	c.C1163T	p.A388V
DAGLB	NM_001142936	c.C979G	p.L327V
DAGLB	NM_139179	c.A1991G	p.Q664R
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DAGLB	NM_139179	c.C308T	p.A103V
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DAK	NM_015533	c.C1001G	p.A334G
DAK	NM_015533	c.G1652A	p.R551Q
DAK	NM_015533	c.T1055G	p.V352G

DAK	NM_015533	c.G553A	p.A185T
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DAND5	NM_152654	c.G455A	p.R152H
DAOA	NM_172370	c.G89A	p.R30K
DAP	NM_001291963	c.C437T	p.S146F
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DAPK1	NM_001288730	c.G4037A	p.S1346N
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DAW1	NM_178821	c.A361T	p.T121S
DAW1	NM_178821	c.G775A	p.G259S
DAZL	NM_001190811	c.A94G	p.T32A
DAZL	NM_001351	c.A34G	p.T12A
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DBF4B	NM_145663	c.G59A	p.S20N
DBH	NM_000787	c.A602G	p.N201S
DBH	NM_000787	c.C1645T	p.R549C
DBH	NM_000787	c.C235T	p.R79W
DBH	NM_000787	c.G1528A	p.G510S
DBH	NM_000787	c.G631A	p.A211T
DBH	NM_000787	c.G952T	p.A318S
DBI	NM_001079863	c.A214G	p.M72V
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DBN1	NM_004395	c.A1336G	p.I446V
DBT	NM_001918	c.T724C	p.S242P
DBT	NM_001918	c.A1150G	p.S384G
DBX1	NM_001029865	c.C825G	p.N275K
DBX1	NM_001029865	c.G904A	p.D302N
DBX2	NM_001004329	c.A511G	p.M171V
DCAF11	NM_001163484	c.G620A	p.R207H
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DCAF13	NM_015420	c.C136T	p.H46Y
DCAF13	NM_015420	c.C323T	p.P108L
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DCANP1	NM_130848	c.A289G	p.N97D
DCANP1	NM_130848	c.A356G	p.K119R
DCANP1	NM_130848	c.A403T	p.S135C
DCANP1	NM_130848	c.A712G	p.R238G
DCBLD1	NM_173674	c.C457T	p.P153S
DCBLD2	NM_080927	c.A432G	p.I144M
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DCD	NM_001300854	c.G211A	p.D71N
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DCHS2	NM_017639	c.C4439G	p.T1480R
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DCHS2	NM_017639	c.A2690G	p.N897S
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DCPS	NM_014026	c.C769T	p.R257W
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DCPS	NM_014026	c.G791A	p.R264Q
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DCPS	NM_014026	c.T868G	p.S290A
DCST1	NM_001143687	c.A1459C	p.M487L
DCST1	NM_001143687	c.G1006C	p.D336H
DCST1	NM_001143687	c.G376A	p.V126M
DCST1	NM_152494	c.A1534C	p.M512L
DCST2	NM_144622	c.G1222A	p.E408K
DCSTAMP	NM_001257317	c.C214A	p.L72M
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DDAH1	NM_012137	c.G199C	p.A67P
DDC	NM_001242886	c.G1271A	p.R424Q
DDC	NM_001242888	c.A415G	p.M139V
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DDHD1	NM_001160147	c.G136A	p.G46S
DDHD2	NM_001164232	c.C557T	p.T186M
DDIAS	NM_145018	c.G1380T	p.R460S
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DDIAS	NM_145018	c.G34A	p.V12I
DDIT4L	NM_145244	c.540delA	p.K180fs
DDIT4L	NM_145244	c.C482T	p.S161F
DDN	NM_015086	c.A1982G	p.E661G
DDN	NM_015086	c.G191A	p.R64H
DDN	NM_015086	c.G641A	p.G214E
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DDO	NM_004032	c.G706A	p.G236R
DDOST	NM_005216	c.425delG	p.G142fs
DDOST	NM_005216	c.C133T	p.P45S
DDR1	NM_001202522	c.C1406T	p.P469L
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DDX11	NM_001257144	c.G2567A	p.R856H
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DDX11	NM_004399	c.C1142T	p.A381V
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DDX18	NM_006773	c.A913G	p.I305V
DDX18	NM_006773	c.G548A	p.C183Y
DDX19B	NM_001014451	c.G998A	p.S333N
DDX20	NM_007204	c.C1736G	p.S579C
DDX20	NM_007204	c.T1907C	p.I636T
DDX21	NM_004728	c.C80T	p.T27I
DDX24	NM_020414	c.G1805A	p.R602H
DDX27	NM_017895	c.G617T	p.G206V

DDX28	NM_018380	c.G342C	p.Q114H
DDX28	NM_018380	c.T830C	p.L277P
DDX28	NM_018380	c.A10G	p.T4A
DDX31	NM_022779	c.G2066A	p.R689Q
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DDX4	NM_001166534	c.A412G	p.I138V
DDX4	NM_024415	c.A859G	p.I287V
DDX43	NM_018665	c.A1873G	p.K625E
DDX43	NM_018665	c.A1886G	p.Q629R
DDX49	NM_019070	c.G61A	p.G21S
DDX49	NM_019070	c.T182C	p.L61S
DDX5	NM_004396	c.T1438G	p.S480A
DDX51	NM_175066	c.A884G	p.Q295R
DDX51	NM_175066	c.C965T	p.A322V
DDX51	NM_175066	c.G1124A	p.R375Q
DDX51	NM_175066	c.G1717A	p.G573S
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DDX52	NM_001291476	c.T1064C	p.I355T
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DDX56	NM_001257189	c.A746G	p.Y249C
DDX58	NM_014314	c.929delT	p.F310fs
DDX58	NM_014314	c.A1277G	p.Y426C
DDX58	NM_014314	c.C19T	p.R7C
DDX58	NM_014314	c.T1740A	p.D580E
DDX59	NM_001031725	c.A319G	p.I107V
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DDX60L	NM_001012967	c.T631C	p.Y211H
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DEC1	NM_017418	c.C179T	p.A60V
DEC2	NM_020664	c.C460T	p.R154W
DEC2	NM_020664	c.G453T	p.K151N
DEC2	NM_020664	c.G784C	p.G262R
DEDD2	NM_001270615	c.C442A	p.P148T
DEDD2	NM_133328	c.C457A	p.P153T
DEF6	NM_022047	c.A859C	p.N287H
DEF6	NM_022047	c.A860C	p.N287T
DEF8	NM_001242817	c.C898T	p.R300C
DEF8	NM_001242818	c.C1078T	p.R360C
DEF8	NM_001242818	c.C868T	p.R290W
DEF8	NM_001242819	c.C1027T	p.R343C
DEFA4	NM_001925	c.C56A	p.A19E
DEFB118	NM_054112	c.T100C	p.C34R
DEFB119	NM_153323	c.G146T	p.C49F
DEFB126	NM_030931	c.315_316insCC	p.T105fs
DEFB126	NM_030931	c.162_163insCAAA	p.K54fs
DEFB127	NM_139074	c.C211A	p.R71S
DEFB127	NM_139074	c.G91A	p.G31R
DEFB128	NM_001037732	c.A81T	p.K27N
DEFB128	NM_001037732	c.G40A	p.V14I
DEFB128	NM_001037732	c.T251C	p.I84T
DEFB129	NM_080831	c.C446G	p.T149S
DEFB132	NM_207469	c.G277A	p.V93I
DEGS1	NM_003676	c.A800G	p.N267S
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DEGS1	NM_003676	c.T524A	p.L175Q
DEGS2	NM_206918	c.C584T	p.A195V
DEGS2	NM_206918	c.G169A	p.A57T
DEGS2	NM_206918	c.G23A	p.S8N
DEGS2	NM_206918	c.G544A	p.V182M
DENND1B	NM_001195215	c.G1687A	p.G563S
DENND1C	NM_001290331	c.A1573G	p.M525V
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DENND1C	NM_024898	c.A1705G	p.M569V
DENND1C	NM_024898	c.A2011G	p.K671E
DENND2A	NM_015689	c.C1660T	p.R554W
DENND2A	NM_015689	c.G2185A	p.E729K
DENND2A	NM_015689	c.T2330C	p.I777T
DENND2A	NM_015689	c.C467A	p.P156H
DENND2C	NM_001256404	c.A166C	p.I56L
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DENND2C	NM_001256404	c.T667C	p.S223P
DENND2C	NM_001256404	c.T6A	p.D2E
DENND2C	NM_198459	c.C1741T	p.R581C

DENND3	NM_014957	c.A49G	p.K17E
DENND3	NM_014957	c.C1039T	p.R347W
DENND3	NM_014957	c.C2122G	p.L708V
DENND4A	NM_005848	c.T4582C	p.S1528P
DENND4C	NM_017925	c.A3796G	p.T1266A
DENND4C	NM_017925	c.A4382G	p.Q1461R
DENND4C	NM_017925	c.A721C	p.I241L
DENND5A	NM_001243254	c.C2542T	p.R848C
DENND5B	NM_144973	c.A1830G	p.I610M
DENND5B	NM_144973	c.C1459A	p.H487N
DENND5B	NM_144973	c.G155A	p.R52K
DENND6A	NM_152678	c.568_569insAACA	p.K190fs
DENND6B	NM_001001794	c.G644A	p.R215H
DEPDC4	NM_152317	c.A365G	p.H122R
DEPDC5	NM_001136029	c.A3331G	p.M1111V
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DEPDC5	NM_001242896	c.C1165T	p.R389C
DEPDC5	NM_001242896	c.C2135T	p.S712F
DEPDC5	NM_001242897	c.A3058G	p.M1020V
DEPDC5	NM_014662	c.A3265G	p.M1089V
DEPDC5	NM_014662	c.C2020T	p.R674C
DEPDC7	NM_001077242	c.C1391T	p.T464I
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DEPDC7	NM_139160	c.C1364T	p.T455I
DEPDC7	NM_139160	c.G547A	p.A183T
DEPTOR	NM_001283012	c.G863A	p.S288N
DEPTOR	NM_022783	c.G1166A	p.S389N
DEPTOR	NM_001283012	c.A308G	p.N103S
DEPTOR	NM_022783	c.A611G	p.N204S
DERA	NM_001300779	c.677_678insCT	p.L226fs
DERA	NM_015954	c.806_807insCT	p.L269fs
DERL1	NM_024295	c.A511G	p.I171V
DERL3	NM_001002862	c.C447G	p.F149L
DERL3	NM_001002862	c.C632T	p.A211V
DES	NM_001927	c.G934A	p.D312N
DESI1	NM_015704	c.C266T	p.S89F
DET1	NM_017996	c.C1240A	p.H414N
DFFB	NM_001282669	c.G659A	p.R220K
DFFB	NM_004402	c.G587A	p.R196K
DFNA5	NM_001127453	c.C424A	p.P142T
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DFNA5	NM_001127454	c.G127A	p.V43M
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DFNB31	NM_001083885	c.C1239A	p.N413K
DFNB31	NM_001083885	c.C1268T	p.P423L
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DFNB31	NM_001173425	c.C2414T	p.P805L
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DFNB31	NM_001173425	c.G2381A	p.R794Q
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DFNB59	NM_001042702	c.G874A	p.G292R
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DGAT1	NM_012079	c.A797G	p.N266S
DGAT1	NM_012079	c.C743A	p.T248N
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DGCR14	NM_022719	c.C1268T	p.A423V
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DGCR2	NM_001173533	c.T1295C	p.V432A
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DGKB	NM_004080	c.G2365A	p.G789S
DGKG	NM_001080744	c.C425G	p.T142S
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DGKH	NM_001204506	c.T3194C	p.V1065A
DGKI	NM_004717	c.C457T	p.L153F
DGKQ	NM_001347	c.G1696T	p.G566C
DGKZ	NM_001105540	c.G205T	p.G69C
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DHDDS	NM_001243564	c.G655A	p.V219M
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DHDDS	NM_024887	c.G757A	p.V253M
DHDH	NM_014475	c.881_882insGA	p.E294fs
DHDH	NM_014475	c.G122A	p.R41H
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DHODH	NM_001361	c.G26A	p.R9Q
DHRS1	NM_001136050	c.A17G	p.N6S
DHRS1	NM_001136050	c.C722T	p.T241I
DHRS12	NM_001031719	c.C166A	p.Q56K
DHRS12	NM_001270424	c.A734C	p.H245P
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DHRS2	NM_182908	c.G283A	p.G95R
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DHRS4L1	NM_001277864	c.G47A	p.R16Q
DHRS4L2	NM_198083	c.A55T	p.M19L
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DHRS7B	NM_015510	c.G142T	p.A48S
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DHX16	NM_001164239	c.A1517G	p.D506G
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DHX33	NM_020162	c.C352T	p.R118C
DHX34	NM_014681	c.C2836T	p.L946F
DHX34	NM_014681	c.C2866T	p.R956W
DHX34	NM_014681	c.C380T	p.A127V
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DHX37	NM_032656	c.G3242A	p.R1081Q
DHX37	NM_032656	c.G799A	p.E267K
DHX38	NM_014003	c.C1099T	p.R367W
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DHX58	NM_024119	c.A1274G	p.Q425R
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DIAPH3	NM_001042517	c.A1088G	p.N363S
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DIEXF	NM_014388	c.C199G	p.Q67E
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DIEXF	NM_014388	c.G332A	p.G111D
DIP2A	NM_001146115	c.C571G	p.P191A
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DIP2C	NM_014974	c.G736A	p.D246N
DIRAS3	NM_004675	c.G82T	p.A28S
DIRC1	NM_052952	c.A133T	p.N45Y
DIRC2	NM_032839	c.A682G	p.I228V
DIS3	NM_001128226	c.A716G	p.N239S
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DISC1	NM_001012957	c.A2110T	p.S704C
DISC1	NM_001012957	c.C1819T	p.L607F
DISC1	NM_001164537	c.A2206T	p.S736C
DISC1	NM_001164537	c.C1391T	p.P464L
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DISC1	NM_001164537	c.G791A	p.R264Q
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DISP1	NM_032890	c.G307A	p.E103K
DISP1	NM_032890	c.G309T	p.E103D
DISP1	NM_032890	c.G3235A	p.V1079M
DISP1	NM_032890	c.G3739A	p.A1247T
DISP2	NM_033510	c.C139G	p.P47A
DISP2	NM_033510	c.C2959G	p.P987A
DISP2	NM_033510	c.G1163A	p.G388E
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DLAT	NM_001931	c.A626G	p.Q209R
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DLC1	NM_001164271	c.G838A	p.V280M
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DLC1	NM_024767	c.C241G	p.L81V
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DLEC1	NM_007335	c.C3331T	p.R1111C
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DLG5	NM_004747	c.C2541A	p.F847L
DLG5	NM_004747	c.C4442A	p.P1481Q
DLG5	NM_004747	c.G2345A	p.R782H
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DLGAP2	NM_001277161	c.C1751T	p.T584M
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DLGAP3	NM_001080418	c.G932A	p.R311H
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DLK1	NM_003836	c.G779A	p.S260N
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DLK2	NM_023932	c.G719A	p.S240N
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DLL1	NM_005618	c.C1981T	p.R661C
DLL3	NM_016941	c.T653C	p.L218P
DLL4	NM_019074	c.G205T	p.V69F
DLST	NM_001933	c.C611T	p.P204L
DMAP1	NM_001034023	c.G1249A	p.A417T
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DMBT1	NM_004406	c.C124A	p.P42T
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DMBT1	NM_007329	c.C2381T	p.P794L
DMBT1	NM_017579	c.C2351T	p.P784L
DMBX1	NM_147192	c.C1115T	p.A372V
DMBX1	NM_172225	c.C1100T	p.A367V
DMGDH	NM_013391	c.A1097G	p.N366S
DMGDH	NM_013391	c.A893C	p.Y298S
DMGDH	NM_013391	c.C1589G	p.A530G
DMGDH	NM_013391	c.T835C	p.S279P
DMKN	NM_001126056	c.A416G	p.N139S
DMKN	NM_001126056	c.C67A	p.P23T
DMKN	NM_001126056	c.G207T	p.E69D
DMKN	NM_001126057	c.G403T	p.V135L
DMKN	NM_001126056	c.T272C	p.V91A
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DMP1	NM_004407	c.C475A	p.Q159K

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DMRT1	NM_021951	c.G991C	p.D331H
DMRT2	NM_181872	c.C1283T	p.A428V
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DMRT2	NM_181872	c.G1141C	p.A381P
DMRT2	NM_181872	c.G1372C	p.E458Q
DMRT3	NM_021240	c.C1282T	p.R428C
DMRT3	NM_021240	c.G490A	p.A164T
DMRTA2	NM_032110	c.G1430A	p.S477N
DMRTB1	NM_033067	c.G605A	p.R202H
DMTN	NM_001114135	c.G74A	p.G25D
DMXL1	NM_001290321	c.A4765G	p.M1589V
DMXL1	NM_001290321	c.G2552A	p.S851N
DMXL1	NM_001290322	c.G2033A	p.S678N
DMXL1	NM_005509	c.G8198A	p.G2733D
DMXL2	NM_001174116	c.A4442G	p.D1481G
DMXL2	NM_001174116	c.C1490T	p.T497M
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DNAAF1	NM_178452	c.A1178G	p.K393R
DNAAF1	NM_178452	c.C1161G	p.D387E
DNAAF1	NM_178452	c.C1505T	p.P502L
DNAAF1	NM_178452	c.C1769T	p.T590M
DNAAF1	NM_178452	c.C1975G	p.L659V
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DNAAF1	NM_178452	c.T1898C	p.L633S
DNAAF2	NM_001083908	c.G186C	p.E62D
DNAAF3	NM_001256715	c.C767G	p.A256G
DNAAF3	NM_001256715	c.G1414A	p.G472R
DNAAF3	NM_001256715	c.T1001C	p.L334P
DNAAF3	NM_001256716	c.T839C	p.L280P
DNAAF3	NM_178837	c.T1142C	p.L381P
DNAAF5	NM_017802	c.C1678T	p.R560C
DNAAF5	NM_017802	c.C1718T	p.S573L
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DOT1L	NM_032482	c.G4357A	p.G1453S
DPAGT1	NM_001382	c.A1177G	p.I393V
DPCD	NM_015448	c.G589A	p.D197N
DPCD	NM_015448	c.T467C	p.L156S
DPCR1	NM_080870	c.C1241T	p.T414I
DPCR1	NM_080870	c.C3563T	p.T1188M
DPCR1	NM_080870	c.C3845T	p.T1282M
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DPF3	NM_001280543	c.G139A	p.V47M
DPF3	NM_001280543	c.G595A	p.A199T
DPH1	NM_001383	c.A677G	p.K226R
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DPH1	NM_001383	c.C445T	p.R149W
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DPH7	NM_138778	c.C824T	p.P275L
DPM2	NM_003863	c.C227G	p.T76S
DPP10	NM_001004360	c.G841A	p.V281M
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DPYD	NM_000110	c.A496G	p.M166V
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DPYD	NM_001160301	c.C85T	p.R29C
DPYS	NM_001385	c.1514_1515insAAAA	p.T505fs
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DQX1	NM_133637	c.C583T	p.P195S
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DRC1	NM_145038	c.A1069G	p.K357E
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DRG2	NM_001388	c.C581T	p.T194M
DRICH1	NM_016449	c.T11C	p.I4T
DROSHA	NM_001100412	c.C41T	p.P14L
DSC1	NM_004948	c.G1378A	p.V460I
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DSCC1	NM_024094	c.T572G	p.I191S
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DTWD1	NM_001144955	c.G37A	p.E13K
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DTX4	NM_001300727	c.G599A	p.R200Q
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DUOX1	NM_175940	c.G1996A	p.G666R
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DUOX2	NM_014080	c.A2033G	p.H678R
DUOX2	NM_014080	c.A3050G	p.E1017G
DUOX2	NM_014080	c.C364A	p.P122T
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DUOX2	NM_014080	c.C3200T	p.S1067L
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DUOXA1	NM_001276264	c.G521A	p.R174H
DUOXA1	NM_001276265	c.G1298C	p.R433P
DUOXA1	NM_001276265	c.G386A	p.R129H
DUOXA1	NM_144565	c.G1433C	p.R478P
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DUPD1	NM_001003892	c.A409C	p.S137R
DUS1L	NM_022156	c.C1094T	p.T365M
DUS2	NM_001271763	c.A452G	p.K151R

DUS3L	NM_001161619	c.G161A	p.C54Y
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DUSP1	NM_004417	c.T559C	p.Y187H
DUSP11	NM_003584	c.A107G	p.D36G
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DUSP22	NM_001286555	c.G356A	p.R119H
DUSP23	NM_017823	c.G391A	p.G131S
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DUSP5	NM_004419	c.C879G	p.I293M
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DUSP6	NM_001946	c.A566G	p.N189S
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DUXA	NM_001012729	c.573delC	p.N191fs
DVL1	NM_004421	c.C272T	p.A91V
DVL1	NM_004421	c.C737T	p.S246F
DVL3	NM_004423	c.C2075T	p.P692L
DXO	NM_005510	c.C783A	p.H261Q
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DYM	NM_017653	c.A1852G	p.R618G
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DYNAP	NM_173629	c.A565C	p.T189P
DYNC1H1	NM_001376	c.C12087A	p.H4029Q
DYNC1LI1	NM_016141	c.A830G	p.Q277R
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E4F1	NM_001288778	c.C1412A	p.A471E
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EARS2	NM_001083614	c.G1292C	p.G431A
EBI3	NM_005755	c.G601A	p.V201I
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EBLN2	NM_018029	c.250dupA	p.R84fs
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ECE1	NM_001113349	c.C1013T	p.T338I
ECE2	NM_001037324	c.T1798A	p.S600T
ECE2	NM_001100120	c.T2023A	p.S675T
ECE2	NM_001100121	c.T1885A	p.S629T
ECE2	NM_014693	c.G344A	p.R115Q
ECE2	NM_032331	c.A646G	p.K216E
ECE2	NM_014693	c.C301T	p.H101Y
ECEL1	NM_001290787	c.C2260T	p.R754W
ECEL1	NM_001290787	c.C426A	p.D142E
ECEL1	NM_001290787	c.G1169A	p.R390H
ECEL1	NM_001290787	c.G1499A	p.R500Q
ECEL1	NM_001290787	c.G2077A	p.G693S
ECEL1	NM_004826	c.C2266T	p.R756W
ECEL1	NM_004826	c.G1858A	p.D620N
ECEL1	NM_004826	c.C982T	p.H328Y
ECH1	NM_001398	c.A122C	p.E41A
ECH1	NM_001398	c.G649A	p.G217R
ECHDC3	NM_024693	c.C863T	p.T288M
ECHDC3	NM_024693	c.G484A	p.D162N
ECHS1	NM_004092	c.C224T	p.T75I
ECI1	NM_001178029	c.C734T	p.T245M
ECI1	NM_001178029	c.G277A	p.G93S
ECI1	NM_001919	c.C785T	p.T262M
ECI2	NM_001166010	c.C941T	p.A314V
ECI2	NM_001166010	c.G51A	p.M17I
ECI2	NM_206836	c.C1031T	p.A344V
ECI2	NM_206836	c.G141A	p.M47I

ECM1	NM_001202858	c.C470T	p.T157M
ECM1	NM_001202858	c.G1324A	p.G442S
ECM1	NM_004425	c.C389T	p.T130M
ECM1	NM_004425	c.G1243A	p.G415S
ECM1	NM_022664	c.G868A	p.G290S
ECM2	NM_001197295	c.A167C	p.Q56P
ECM2	NM_001197295	c.G1124A	p.R375H
ECM2	NM_001197295	c.T994C	p.S332P
ECSIT	NM_001243204	c.G431A	p.R144H
ECSIT	NM_016581	c.C832T	p.R278C
ECSIT	NM_016581	c.G1222A	p.E408K
ECSIT	NM_016581	c.G446A	p.R149H
ECT2	NM_001258315	c.G1205A	p.R402H
ECT2	NM_001258315	c.G44C	p.S15T
ECT2L	NM_001077706	c.G1579A	p.E527K
ECT2L	NM_001077706	c.G2164A	p.A722T
EDARADD	NM_145861	c.C308T	p.S103F
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EDC3	NM_001142443	c.C1102A	p.L368M
EDDM3A	NM_006683	c.A389G	p.D130G
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EDDM3B	NM_022360	c.C13G	p.L5V
EDEM2	NM_001145025	c.G1255A	p.A419T
EDEM2	NM_001145025	c.G764A	p.R255H
EDEM2	NM_018217	c.C1565T	p.S522L
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EDEM3	NM_025191	c.C2236T	p.P746S
EDIL3	NM_005711	c.G765C	p.K255N
EDN1	NM_001168319	c.G591T	p.K197N
EDN1	NM_001955	c.G594T	p.K198N
EDN2	NM_001956	c.G178A	p.V60I
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EDNRB	NM_001201397	c.G245A	p.R82Q
EDRF1	NM_001202438	c.G3349A	p.A1117T
EDRF1	NM_015608	c.G3247A	p.A1083T
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EEF1D	NM_032378	c.G205A	p.G69S
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EEF2	NM_001961	c.G283A	p.G95S
EEF2K	NM_013302	c.A68G	p.H23R
EEF2K	NM_013302	c.C223G	p.P75A
EEF2K	NM_013302	c.G1478T	p.R493L
EEF2K	NM_013302	c.G2041A	p.G681R
EEFSEC	NM_021937	c.T1742G	p.F581C
EEPD1	NM_030636	c.G1028A	p.S343N
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EFCAB12	NM_207307	c.G1163A	p.R388H
EFCAB12	NM_207307	c.G590A	p.R197H

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EFCAB6	NM_022785	c.A1051G	p.T351A
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EFHB	NM_144715	c.C1145T	p.T382I
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EFHB	NM_144715	c.T1739A	p.M580K
EFHC1	NM_001172420	c.A1798C	p.I600L
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EFHD1	NM_001243252	c.A269G	p.K90R
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EFNA3	NM_004952	c.G568A	p.V190M

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EGFR	NM_005228	c.G1562A	p.R521K
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EGR1	NM_001964	c.T142C	p.F48L
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EHBP1	NM_001142614	c.A2158C	p.K720Q
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EHMT1	NM_001145527	c.G1162A	p.A388T
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EIF2AK1	NM_001134335	c.A1670G	p.K557R
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EIF2AK3	NM_004836	c.A497G	p.Q166R
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EIF3F	NM_003754	c.C116T	p.P39L
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EIF3J	NM_001284336	c.G274A	p.A92T
EIF4E2	NM_004846	c.C721T	p.R241W
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ELAC2	NM_018127	c.C650T	p.S217L
ELAC2	NM_018127	c.G2342A	p.R781H
ELAC2	NM_173717	c.G1618A	p.A540T
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ELANE	NM_001972	c.G556A	p.V186I
ELANE	NM_001972	c.G578A	p.R193Q
ELANE	NM_001972	c.G655A	p.V219I
ELAVL4	NM_021952	c.C808T	p.P270S
ELF1	NM_001145353	c.A173G	p.N58S
ELF1	NM_001145353	c.G1123A	p.E375K
ELF2	NM_201999	c.A1196G	p.Q399R
ELF3	NM_001114309	c.A311G	p.N104S
ELFN2	NM_052906	c.C2198T	p.P733L
ELFN2	NM_052906	c.G1531A	p.G511R
ELFN2	NM_052906	c.G2182A	p.V728M
ELFN2	NM_052906	c.G754A	p.A252T
ELK3	NM_005230	c.C506T	p.P169L
ELK3	NM_005230	c.C944T	p.A315V
ELL	NM_006532	c.C1498G	p.P500A
ELL	NM_006532	c.C221T	p.A74V
ELL	NM_006532	c.C704T	p.T235M
ELL2	NM_012081	c.C53T	p.S18L
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ELL2	NM_012081	c.G892A	p.A298T
ELL3	NM_025165	c.C31G	p.Q11E
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ELMO3	NM_024712	c.A196C	p.K66Q
ELMO3	NM_024712	c.A442G	p.N148D
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ELMOD3	NM_001135022	c.C196T	p.R66C
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ELP3	NM_001284222	c.G1010A	p.R337Q
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ELP4	NM_019040	c.C572A	p.P191Q
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ELSPBP1	NM_022142	c.C217T	p.R73C
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EMC10	NM_206538	c.C593T	p.T198M
EMC4	NM_016454	c.T413C	p.I138T
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EMC7	NM_020154	c.C305T	p.A102V
EMC9	NM_016049	c.C547T	p.R183W
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EME1	NM_001166131	c.T1049C	p.I350T
EME1	NM_152463	c.G1396C	p.A466P
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EME2	NM_001257370	c.C589T	p.R197W
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EMID1	NM_001267895	c.C320G	p.A107G
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EMILIN1	NM_007046	c.G2707A	p.E903K
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EMILIN3	NM_052846	c.G1871A	p.R624H
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EML1	NM_004434	c.T1666C	p.S556P
EML1	NM_001008707	c.T1723C	p.S575P
EML2	NM_001193268	c.A700G	p.M234V
EML2	NM_001193268	c.C1162T	p.L388F



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EML2	NM_001193269	c.G1357A	p.G453R
EML2	NM_001193269	c.G1897C	p.V633L
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EMP1	NM_001423	c.G170A	p.S57N
ENAH	NM_001008493	c.T1256C	p.I419T
ENAM	NM_031889	c.1260_1261insAG	p.L420fs
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ENDOD1	NM_015036	c.G1048A	p.V350M
ENDOU	NM_001172440	c.C413T	p.A138V
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ENDOU	NM_001172440	c.G31A	p.V11M
ENDOU	NM_006025	c.C154T	p.R52C
ENDOV	NM_001164637	c.G85A	p.V29I
ENDOV	NM_173627	c.G335A	p.R112Q
ENG	NM_000118	c.C392T	p.P131L
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ENG	NM_000118	c.G572A	p.G191D
ENG	NM_001114753	c.C1844T	p.S615L
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ENGASE	NM_001042573	c.C2036T	p.P679L
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ENGASE	NM_001042573	c.G371A	p.R124Q
ENGASE	NM_001042573	c.G962A	p.R321H
ENKD1	NM_032140	c.C298T	p.H100Y
ENKD1	NM_032140	c.G497A	p.R166Q
ENKUR	NM_001270383	c.A499G	p.R167G
ENO3	NM_001976	c.A212G	p.N71S
ENO3	NM_001976	c.T254C	p.V85A
ENOSF1	NM_017512	c.C20T	p.S7F

ENOSF1	NM_017512	c.1195dupG	p.V399fs
ENOSF1	NM_202758	c.1216dupG	p.V406fs
ENPEP	NM_001977	c.G514C	p.E172Q
ENPEP	NM_001977	c.T653C	p.V218A
ENPEP	NM_001977	c.A638G	p.Q213R
ENPP1	NM_006208	c.C1075A	p.L359I
ENPP1	NM_006208	c.C2320T	p.R774C
ENPP1	NM_006208	c.G2657C	p.R886T
ENPP2	NM_006209	c.G1118A	p.R373H
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ENPP2	NM_006209	c.T1633C	p.S545P
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ENTPD2	NM_001246	c.G688A	p.G230S
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ENTPD3	NM_001248	c.C1487T	p.A496V
ENTPD3	NM_001291961	c.C863T	p.P288L
ENTPD4	NM_001128930	c.A1036G	p.K346E
ENTPD4	NM_001128930	c.A248G	p.N83S
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ENTPD5	NM_001249	c.T143C	p.L48S
ENTPD6	NM_001114089	c.G16A	p.G6S
ENTPD6	NM_001247	c.G41A	p.S14N
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EOGT	NM_173654	c.C71G	p.P24R
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EPC1	NM_001272004	c.G861A	p.M287I
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EPHA10	NM_001099439	c.C659A	p.T220K
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EPHX1	NM_000120	c.A416G	p.H139R
EPHX1	NM_000120	c.T337C	p.Y113H
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EPHX3	NM_001142886	c.G650A	p.R217H
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EPN3	NM_017957	c.C1069G	p.R357G
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EPOR	NM_000121	c.C1462T	p.P488S
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EPS15	NM_001159969	c.A1524G	p.I508M
EPS15	NM_001159969	c.C371T	p.S124L
EPS15	NM_001981	c.A2466G	p.I822M
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EPS8	NM_004447	c.G2113A	p.A705T
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EPS8L1	NM_017729	c.A1625G	p.K542R
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EPX	NM_000502	c.A120G	p.I40M
EPX	NM_000502	c.A1322C	p.K441T
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EPYC	NM_004950	c.C449G	p.S150C
EQTN	NM_001161585	c.C734A	p.T245K
EQTN	NM_020641	c.A301G	p.N101D
EQTN	NM_020641	c.C821A	p.T274K
ERAP1	NM_001040458	c.A1045G	p.M349V
ERAP1	NM_001040458	c.A1583G	p.K528R
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ERAP1	NM_001040458	c.G166A	p.E56K
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ERBB2	NM_001005862	c.A1873G	p.I625V
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ERC1	NM_178039	c.A3010G	p.T1004A
ERC2	NM_015576	c.A1625G	p.N542S
ERC2	NM_015576	c.C720A	p.H240Q
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ERCC3	NM_000122	c.808_809insTT	p.F270fs
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ERCC4	NM_005236	c.G532T	p.V178L
ERCC5	NM_000123	c.A760G	p.M254V
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ERCC5	NM_000123	c.G3310C	p.D1104H
ERCC6	NM_000124	c.A3289G	p.M1097V
ERCC6	NM_000124	c.A3637G	p.R1213G
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ERCC6-PGBD3	NM_001277058	c.G1196A	p.G399D
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ERI2	NM_080663	c.G815A	p.G272D
ERICH1	NM_001303100	c.G446A	p.R149Q
ERICH1	NM_207332	c.C656T	p.T219I
ERICH3	NM_001002912	c.4066delG	p.E1356fs
ERICH3	NM_001002912	c.A1010G	p.Q337R
ERICH3	NM_001002912	c.A2072G	p.H691R
ERICH3	NM_001002912	c.C1220T	p.P407L
ERICH3	NM_001002912	c.G299A	p.R100Q
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ERICH5	NM_173549	c.A731C	p.Q244P
ERICH5	NM_173549	c.C299T	p.S100F
ERICH5	NM_173549	c.G262A	p.V88I
ERICH6B	NM_182542	c.G1957T	p.V653F
ERICH6B	NM_182542	c.T908C	p.L303P
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ERLEC1	NM_001127398	c.G706A	p.V236I
ERMAP	NM_001017922	c.C76T	p.H26Y
ERMARD	NM_001278531	c.G1505A	p.R502H
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ERN2	NM_033266	c.G370A	p.V124I
ERO1LB	NM_019891	c.A278G	p.K93R
ERP27	NM_152321	c.T154C	p.F52L
ERP29	NM_006817	c.A545G	p.K182R
ERP44	NM_015051	c.T690G	p.F230L
ERV3-1	NM_001007253	c.G575A	p.C192Y
ERV3-1	NM_001007253	c.C269T	p.T90I
ESAM	NM_138961	c.C817T	p.R273C
ESCO1	NM_052911	c.C662T	p.T221M
ESCO2	NM_001017420	c.C239T	p.A80V
ESD	NM_001984	c.G770A	p.G257D
ESF1	NM_001276380	c.A2470C	p.I824L
ESF1	NM_001276380	c.T1649C	p.I550T
ESM1	NM_007036	c.C28T	p.L10F
ESPL1	NM_012291	c.C1842A	p.S614R
ESPL1	NM_012291	c.C238G	p.L80V
ESPL1	NM_012291	c.C74A	p.A25D
ESPL1	NM_012291	c.G1787A	p.R596Q
ESPL1	NM_012291	c.G4682A	p.R1561Q
ESPL1	NM_012291	c.G707C	p.R236T
ESPL1	NM_012291	c.T3491G	p.V1164G
ESPL1	NM_012291	c.A4304T	p.K1435M
ESPN	NM_031475	c.G1265A	p.R422Q
ESPNL	NM_194312	c.C1051T	p.R351C
ESPNL	NM_194312	c.C2615T	p.A872V
ESRP2	NM_024939	c.A1610C	p.Y537S
ESRP2	NM_024939	c.C1849T	p.P617S
ESRRB	NM_004452	c.C1156T	p.P386S
ESRRB	NM_004452	c.G1237A	p.V413I
ESRRB	NM_004452	c.G563A	p.R188Q
ESYT1	NM_015292	c.C1820T	p.T607M
ESYT1	NM_015292	c.C2822T	p.S941L
ESYT2	NM_020728	c.A1828G	p.S610G
ESYT2	NM_020728	c.G2551A	p.G851S
ESYT2	NM_020728	c.T1750C	p.S584P
ESYT2	NM_020728	c.T544A	p.C182S
ESYT3	NM_031913	c.C1883T	p.P628L
ESYT3	NM_031913	c.G1768A	p.G590R
ETAA1	NM_019002	c.C2311T	p.P771S
ETAA1	NM_019002	c.G1166A	p.S389N
ETAA1	NM_019002	c.G1315A	p.G439R
ETAA1	NM_019002	c.G2017A	p.E673K
ETFA	NM_000126	c.C512T	p.T171I
ETFA	NM_001127716	c.C365T	p.T122I



ETFB	NM_001014763	c.A119C	p.E40A
ETFB	NM_001014763	c.C155T	p.P52L
ETFB	NM_001014763	c.C734T	p.T245M
ETFB	NM_001985	c.C461T	p.T154M
ETFDH	NM_001281737	c.G109A	p.A37T
ETFDH	NM_001281738	c.G67A	p.A23T
ETFDH	NM_004453	c.G250A	p.A84T
ETFDH	NM_004453	c.C92T	p.T31I
ETNK1	NM_018638	c.A1134T	p.K378N
ETNK2	NM_001297760	c.C29A	p.P10Q
ETNK2	NM_001297760	c.G680A	p.R227Q
ETNK2	NM_001297760	c.G905A	p.R302Q
ETNK2	NM_001297761	c.G146A	p.R49Q
ETNK2	NM_001297761	c.G371A	p.R124Q
ETNK2	NM_001297762	c.G782A	p.R261Q
ETNPPL	NM_001146590	c.G362A	p.R121K
ETNPPL	NM_001146590	c.T535C	p.S179P
ETNPPL	NM_001146627	c.G206A	p.R69K
ETNPPL	NM_001146627	c.T379C	p.S127P
ETNPPL	NM_031279	c.G380A	p.R127K
ETNPPL	NM_031279	c.T553C	p.S185P
ETS2	NM_001256295	c.C1069A	p.L357I
ETS2	NM_001256295	c.G610A	p.A204T
ETS2	NM_005239	c.G190A	p.A64T
ETV1	NM_001163147	c.A298G	p.S100G
ETV1	NM_001163148	c.A244G	p.S82G
ETV1	NM_001163150	c.A178G	p.S60G
ETV1	NM_001163151	c.A124G	p.S42G
ETV2	NM_014209	c.G268A	p.D90N
ETV3L	NM_001004341	c.A952G	p.M318V
ETV3L	NM_001004341	c.G788C	p.G263A
ETV3L	NM_001004341	c.T55G	p.S19A
ETV4	NM_001079675	c.T950G	p.F317C
ETV4	NM_001261437	c.C161G	p.T54S
ETV4	NM_001261437	c.T833G	p.F278C
ETV4	NM_001261438	c.497delT	p.L166fs
ETV4	NM_001261438	c.T466A	p.F156I
ETV4	NM_001261439	c.T119G	p.F40C
ETV4	NM_001986	c.C1309T	p.R437C
ETV5	NM_004454	c.C73T	p.R25W
ETV6	NM_001987	c.T602C	p.L201P
ETV7	NM_001207035	c.G595A	p.G199S
ETV7	NM_001207036	c.C545T	p.T182I
ETV7	NM_001207036	c.G430A	p.G144S
ETV7	NM_001207037	c.C16T	p.R6W
ETV7	NM_001207037	c.C572T	p.A191V
ETV7	NM_001207037	c.G10A	p.G4R
ETV7	NM_001207037	c.G79A	p.A27T
EVA1A	NM_001135032	c.G184A	p.D62N
EVA1B	NM_001304762	c.G316T	p.G106W

EVA1B	NM_001304762	c.G424C	p.D142H
EVC	NM_153717	c.A221C	p.Q74P
EVC	NM_153717	c.A284G	p.D95G
EVC	NM_153717	c.C1115T	p.T372M
EVC	NM_153717	c.C1127T	p.A376V
EVC	NM_153717	c.C677T	p.T226M
EVC	NM_153717	c.G1328A	p.R443Q
EVC	NM_153717	c.G1727A	p.R576Q
EVC	NM_153717	c.G1928A	p.R643H
EVC	NM_153717	c.G1963A	p.A655T
EVC	NM_153717	c.G2279A	p.R760Q
EVC2	NM_001166136	c.A1855G	p.T619A
EVC2	NM_001166136	c.A448G	p.S150G
EVC2	NM_147127	c.A2095G	p.T699A
EVC2	NM_147127	c.A688G	p.S230G
EVI2A	NM_001003927	c.G628A	p.G210S
EVI5	NM_005665	c.G1836T	p.Q612H
EVI5	NM_005665	c.G1952A	p.R651K
EVI5	NM_005665	c.A1006G	p.I336V
EVPL	NM_001988	c.A3779G	p.H1260R
EVPL	NM_001988	c.A503G	p.Y168C
EVPL	NM_001988	c.C1049T	p.A350V
EVPL	NM_001988	c.C1332A	p.D444E
EVPL	NM_001988	c.C313T	p.R105W
EVPL	NM_001988	c.C44G	p.P15R
EVPL	NM_001988	c.C5440T	p.P1814S
EVPL	NM_001988	c.C5802A	p.H1934Q
EVPL	NM_001988	c.C6001T	p.R2001C
EVPL	NM_001988	c.G2635C	p.E879Q
EVPL	NM_001988	c.G4682A	p.R1561Q
EVPL	NM_001988	c.A1298G	p.Q433R
EVX2	NM_001080458	c.C1410G	p.D470E
EXD1	NM_152596	c.A1465G	p.T489A
EXD1	NM_001286441	c.A1639G	p.T547A
EXD2	NM_001193360	c.G691A	p.D231N
EXD2	NM_001193361	c.G605C	p.C202S
EXD2	NM_001193362	c.A1435G	p.K479E
EXD2	NM_001193362	c.G1554T	p.Q518H
EXD2	NM_018199	c.G1179T	p.Q393H
EXD2	NM_018199	c.G316A	p.D106N
EXD3	NM_001286823	c.G478A	p.A160T
EXD3	NM_017820	c.C1505T	p.A502V
EXD3	NM_017820	c.C1957T	p.R653C
EXD3	NM_017820	c.C329T	p.A110V
EXD3	NM_017820	c.G1634A	p.C545Y
EXD3	NM_017820	c.G59A	p.R20Q
EXD3	NM_017820	c.G772A	p.A258T
EXD3	NM_017820	c.A966C	p.E322D
EXD3	NM_017820	c.G659A	p.R220Q
EXO1	NM_003686	c.A1061G	p.H354R

EXO1	NM_003686	c.A2009G	p.E670G
EXO1	NM_003686	c.A836G	p.N279S
EXO1	NM_003686	c.C1316T	p.T439M
EXO1	NM_003686	c.C2270T	p.P757L
EXO1	NM_003686	c.G1265A	p.S422N
EXO1	NM_003686	c.G1372A	p.V458M
EXO1	NM_003686	c.G1765A	p.E589K
EXO5	NM_022774	c.1031dupG	p.R344fs
EXO5	NM_022774	c.A610G	p.M204V
EXO5	NM_022774	c.G343A	p.D115N
EXO5	NM_022774	c.G515T	p.G172V
EXO5	NM_022774	c.T452C	p.L151P
EXOC3L1	NM_178516	c.C1681G	p.Q561E
EXOC3L1	NM_178516	c.C431T	p.P144L
EXOC3L1	NM_178516	c.C896T	p.P299L
EXOC3L1	NM_178516	c.G725A	p.R242Q
EXOC3L2	NM_138568	c.A517G	p.N173D
EXOC3L2	NM_138568	c.G1193A	p.R398Q
EXOC3L4	NM_001077594	c.C229T	p.R77W
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EXOC6	NM_001013848	c.C1552G	p.L518V
EXOC6	NM_001013848	c.G70A	p.V24I
EXOC6	NM_019053	c.C1187T	p.T396I
EXOC6	NM_019053	c.C1567G	p.L523V
EXOC6	NM_019053	c.C29T	p.T10I
EXOC6	NM_001013848	c.C1172T	p.T391I
EXOC7	NM_001145299	c.G583A	p.V195M
EXOC8	NM_175876	c.G1819C	p.D607H
EXOG	NM_001145464	c.A857G	p.E286G
EXOG	NM_005107	c.T1052G	p.L351R
EXOSC10	NM_001001998	c.C38T	p.S13L
EXOSC2	NM_014285	c.C22G	p.P8A
EXOSC3	NM_016042	c.C151G	p.R51G
EXOSC3	NM_016042	c.T673C	p.Y225H
EXOSC4	NM_019037	c.G619A	p.E207K
EXOSC5	NM_020158	c.C14T	p.T5M
EXOSC5	NM_020158	c.C445T	p.R149W
EXOSC6	NM_058219	c.C814T	p.P272S
EXOSC7	NM_015004	c.A13G	p.T5A
EXOSC7	NM_015004	c.G820C	p.V274L
EXOSC8	NM_181503	c.C260A	p.P87H
EXOSC8	NM_181503	c.G815C	p.S272T
EXOSC8	NM_181503	c.540_541insTTAAT	p.N180fs
EXOSC9	NM_001034194	c.A1096G	p.I366V
EXPH5	NM_015065	c.A410T	p.E137V
EXPH5	NM_015065	c.A55G	p.R19G

EXPH5	NM_015065	c.G1573T	p.V525F
EXPH5	NM_015065	c.G2027A	p.S676N
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EXTL1	NM_004455	c.C1135A	p.H379N
EXTL1	NM_004455	c.C1862A	p.P621Q
EXTL1	NM_004455	c.C835T	p.R279C
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EYA2	NM_005244	c.C899T	p.T300M
EYA4	NM_001301012	c.G667A	p.G223S
EYA4	NM_001301013	c.G829A	p.G277S
EYA4	NM_172103	c.G760A	p.G254S
EYS	NM_001142800	c.A1712G	p.Q571R
EYS	NM_001142800	c.A5244C	p.L1748F
EYS	NM_001142800	c.C359T	p.T120M
EZH2	NM_001203248	c.G526C	p.D176H
EZH2	NM_004456	c.G553C	p.D185H
EZR	NM_001111077	c.G1480C	p.A494P
F11	NM_000128	c.C188T	p.A63V
F12	NM_000505	c.C1342T	p.R448C
F12	NM_000505	c.C163T	p.R55W
F12	NM_000505	c.G619C	p.A207P
F13A1	NM_000129	c.A614T	p.Y205F
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F13A1	NM_000129	c.G103T	p.V35L
F13A1	NM_000129	c.G1951A	p.V651I
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F13B	NM_001994	c.95delA	p.N32fs
F13B	NM_001994	c.T1025C	p.I342T
F13B	NM_001994	c.G344A	p.R115H
F2	NM_000506	c.C494T	p.T165M
F2	NM_000506	c.G598A	p.E200K
F2R	NM_001992	c.A1150G	p.S384G
F2RL2	NM_001256566	c.93dupT	p.S32fs
F2RL2	NM_001256566	c.A463G	p.M155V
F2RL2	NM_004101	c.159dupT	p.S54fs
F2RL2	NM_004101	c.A529G	p.M177V
F2RL3	NM_003950	c.C929T	p.P310L
F2RL3	NM_003950	c.G358A	p.A120T
F5	NM_000130	c.A2450C	p.N817T
F5	NM_000130	c.A2594G	p.H865R
F5	NM_000130	c.A2713G	p.R905G
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F7	NM_000131	c.A479G	p.Q160R
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FABP6	NM_001040442	c.C383T	p.T128M
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FAHD1	NM_001018104	c.G328A	p.D110N
FAIM	NM_001033030	c.G451A	p.A151T
FAIM	NM_001033031	c.G415A	p.A139T
FAIM	NM_001033032	c.G349A	p.A117T
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FAM101A	NM_181709	c.G148A	p.V50I
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FAM107A	NM_001076778	c.C223T	p.R75W
FAM107A	NM_001076778	c.G265T	p.A89S
FAM107A	NM_001076778	c.G421C	p.E141Q
FAM107A	NM_001282713	c.G505C	p.E169Q
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FAM109B	NM_001002034	c.C563G	p.A188G
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FAM110D	NM_024869	c.A158G	p.H53R
FAM110D	NM_024869	c.C160A	p.P54T
FAM111A	NM_198847	c.G107A	p.C36Y
FAM114A1	NM_138389	c.G1327A	p.V443I
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FAM114A2	NM_018691	c.G364A	p.G122S
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FAM118A	NM_001104595	c.G716A	p.R239H
FAM120AOS	NM_198841	c.A707G	p.N236S

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FAM120AOS	NM_198841	c.G632A	p.S211N
FAM120B	NM_001286379	c.T1567G	p.C523G
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FAM124A	NM_001242312	c.A1292G	p.Y431C
FAM124A	NM_001242312	c.C917T	p.P306L
FAM129A	NM_052966	c.G2158A	p.V720M
FAM129A	NM_052966	c.T1826C	p.L609P
FAM129B	NM_001035534	c.C815T	p.A272V
FAM129B	NM_022833	c.C854T	p.A285V
FAM129C	NM_001098524	c.C1478T	p.T493M
FAM129C	NM_001098524	c.C878A	p.A293E
FAM129C	NM_001098524	c.G1807A	p.G603S
FAM129C	NM_173544	c.G65A	p.G22E
FAM131A	NM_144635	c.G189T	p.R63S
FAM131B	NM_001031690	c.G1003A	p.A335T
FAM131B	NM_001278297	c.G721A	p.A241T
FAM131B	NM_014690	c.A614G	p.E205G
FAM131B	NM_014690	c.G919A	p.A307T
FAM132A	NM_001014980	c.A610G	p.I204V
FAM132A	NM_001014980	c.T691C	p.C231R
FAM134A	NM_024293	c.A1454T	p.E485V
FAM134A	NM_024293	c.C1256A	p.P419Q
FAM134A	NM_024293	c.G1121A	p.R374H
FAM134B	NM_001034850	c.C379T	p.R127C
FAM134C	NM_178126	c.C64T	p.R22C
FAM134C	NM_178126	c.T875C	p.V292A
FAM135A	NM_001105531	c.A3137G	p.D1046G
FAM135A	NM_001162529	c.A3725G	p.D1242G
FAM135A	NM_020819	c.A3086G	p.D1029G
FAM135B	NM_015912	c.A1429G	p.I477V
FAM13A	NM_001015045	c.G1327A	p.V443I
FAM13A	NM_001015045	c.G602A	p.S201N
FAM13A	NM_001265580	c.G1243A	p.V415I
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FAM13A	NM_014883	c.G857A	p.R286K
FAM13A	NM_014883	c.G877T	p.A293S
FAM13B	NM_001101801	c.A2032G	p.M678V
FAM13B	NM_016603	c.A2404G	p.M802V
FAM149A	NM_001006655	c.C722T	p.P241L
FAM149A	NM_001006655	c.G464A	p.R155H
FAM149A	NM_001006655	c.A121G	p.K41E
FAM149A	NM_001006655	c.A436G	p.K146E
FAM149A	NM_001006655	c.A641G	p.H214R
FAM151A	NM_176782	c.G191A	p.R64Q
FAM151A	NM_176782	c.1002_1003insCCTGGGGATGAC	p.P335fs
FAM151B	NM_205548	c.T464C	p.I155T

FAM160A2	NM_032127	c.C1514T	p.T505M
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FAM161B	NM_152445	c.A1649G	p.K550R
FAM161B	NM_152445	c.C2062T	p.P688S
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FAM162B	NM_001085480	c.349dupA	p.T117fs
FAM162B	NM_001085480	c.G213T	p.Q71H
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FAM166A	NM_001001710	c.C245T	p.T82M
FAM166A	NM_001001710	c.C251T	p.P84L
FAM166A	NM_001001710	c.C633G	p.I211M
FAM166A	NM_001001710	c.G487A	p.A163T
FAM166A	NM_001001710	c.885_886insCT	p.L296fs
FAM166B	NM_001099951	c.A259G	p.S87G
FAM166B	NM_001099951	c.C88T	p.R30W
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FAM168B	NM_001009993	c.C287T	p.P96L
FAM169B	NM_182562	c.C292T	p.R98W
FAM169B	NM_182562	c.T343C	p.S115P
FAM170A	NM_001163991	c.C376T	p.P126S
FAM170A	NM_001163991	c.G665T	p.G222V
FAM170A	NM_182761	c.C517T	p.P173S
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FAM174A	NM_198507	c.G125A	p.G42D
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FAM178B	NM_016490	c.160delA	p.T54fs
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FARSB	NM_005687	c.G1753A	p.V585I
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FASN	NM_004104	c.C5800T	p.R1934C
FASN	NM_004104	c.C6086T	p.A2029V
FASN	NM_004104	c.G2815A	p.E939K
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FASTKD1	NM_001281476	c.A1399G	p.M467V
FASTKD1	NM_024622	c.2406delA	p.K802fs
FASTKD3	NM_024091	c.A1376G	p.E459G
FASTKD5	NM_021826	c.T1139G	p.I380R
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FAT1	NM_005245	c.C392T	p.A131V
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FDPS	NM_002004	c.T1091C	p.V364A
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FDXR	NM_001258015	c.C565T	p.R189C
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FDXR	NM_001258016	c.G212A	p.R71Q
FDXR	NM_004110	c.G368A	p.R123Q
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FERD3L	NM_152898	c.G254T	p.G85V
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FERMT1	NM_017671	c.C763T	p.R255C
FERMT1	NM_017671	c.G1384A	p.A462T
FERMT1	NM_017671	c.G1600A	p.A534T
FERMT1	NM_017671	c.T479C	p.I160T
FERMT1	NM_017671	c.T722C	p.V241A
FERMT3	NM_031471	c.G922A	p.G308R
FES	NM_001143783	c.A793G	p.M265V
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FETUB	NM_014375	c.A1079G	p.K360R
FETUB	NM_014375	c.G205A	p.D69N
FEZ1	NM_005103	c.G1072C	p.E358Q
FEZ1	NM_005103	c.T369A	p.D123E
FEZ2	NM_001042548	c.C1066T	p.R356C
FEZ2	NM_005102	c.C985T	p.R329C
FFAR1	NM_005303	c.C525A	p.D175E
FFAR1	NM_005303	c.G632A	p.R211H
FFAR2	NM_005306	c.G104A	p.R35Q
FFAR2	NM_005306	c.T632A	p.L211H
FFAR4	NM_181745	c.G809A	p.R270H
FGA	NM_000508	c.A991G	p.T331A
FGB	NM_001184741	c.G1256A	p.R419K
FGB	NM_005141	c.G1433A	p.R478K
FGD2	NM_173558	c.C108A	p.D36E
FGD3	NM_001083536	c.C418A	p.P140T
FGD3	NM_001083536	c.C419T	p.P140L
FGD3	NM_001083536	c.G1355A	p.R452Q
FGD3	NM_033086	c.G2062A	p.A688T
FGD4	NM_001304480	c.C572T	p.T191I
FGD4	NM_139241	c.G2149A	p.V717M
FGD5	NM_152536	c.G1543A	p.A515T
FGD5	NM_152536	c.G1657A	p.V553M
FGD5	NM_152536	c.G2935A	p.V979I
FGD5	NM_152536	c.G898A	p.E300K
FGD6	NM_018351	c.A3185G	p.K1062R

FGD6	NM_018351	c.A770G	p.Q257R
FGD6	NM_018351	c.C3004T	p.R1002C
FGD6	NM_018351	c.C616T	p.P206S
FGF19	NM_005117	c.G550A	p.E184K
FGF21	NM_019113	c.G421A	p.G141S
FGF22	NM_020637	c.G401A	p.R134H
FGF5	NM_004464	c.A145G	p.S49G
FGF5	NM_004464	c.A160G	p.M54V
FGF6	NM_020996	c.G187A	p.A63T
FGFBP1	NM_005130	c.A694T	p.T232S
FGFBP2	NM_031950	c.C268T	p.P90S
FGFBP2	NM_031950	c.G302A	p.R101H
FGFBP3	NM_152429	c.A617T	p.E206V
FGFR1	NM_023105	c.G2000A	p.R667H
FGFR1OP	NM_007045	c.G324T	p.E108D
FGFR1OP	NM_194429	c.C551T	p.T184I
FGFR1OP	NM_194429	c.G753T	p.K251N
FGFR1OP	NM_194429	c.T841C	p.S281P
FGFR2	NM_001144914	c.C170T	p.S57L
FGFR3	NM_000142	c.G1657A	p.V553M
FGFR3	NM_000142	c.G2149A	p.A717T
FGFR3	NM_022965	c.G1813A	p.A605T
FGFR4	NM_001291980	c.C407T	p.P136L
FGFR4	NM_002011	c.G1162A	p.G388R
FGFRL1	NM_001004356	c.C1085A	p.P362Q
FGFRL1	NM_001004356	c.C1391T	p.P464L
FGFRL1	NM_001004356	c.G1271T	p.R424L
FGFRL1	NM_001004358	c.G1159A	p.A387T
FGFRL1	NM_001004358	c.G865A	p.E289K
FGGY	NM_001113411	c.C857T	p.T286M
FGGY	NM_001113411	c.T129G	p.N43K
FGGY	NM_001113411	c.1244_1245insTATAT	p.I415fs
FGL1	NM_004467	c.A214G	p.I72V
FGL1	NM_004467	c.C314T	p.P105L
FGL1	NM_147203	c.A340G	p.M114V
FGL1	NM_147203	c.G113T	p.R38L
FGL1	NM_201552	c.C44T	p.T15I
FGL2	NM_006682	c.G158A	p.G53E
FHAD1	NM_052929	c.A3973G	p.I1325V
FHAD1	NM_052929	c.G1951A	p.G651R
FHAD1	NM_052929	c.G1994A	p.R665Q
FHDC1	NM_033393	c.A3247G	p.S1083G
FHDC1	NM_033393	c.C1717T	p.R573W
FHDC1	NM_033393	c.C2337G	p.C779W
FHDC1	NM_033393	c.G2539A	p.G847S
FHDC1	NM_033393	c.G514A	p.A172T
FHDC1	NM_033393	c.C1915T	p.R639C
FHL2	NM_001450	c.G109T	p.A37S
FHL3	NM_001243878	c.G206A	p.R69H
FHL5	NM_001170807	c.A610G	p.R204G

FHL5	NM_001170807	c.C729G	p.S243R
FHL5	NM_001170807	c.G104A	p.R35H
FHL5	NM_001170807	c.G631A	p.V211M
FHOD1	NM_013241	c.G1517A	p.R506Q
FHOD1	NM_013241	c.G533A	p.S178N
FHOD3	NM_001281739	c.A1745G	p.Q582R
FHOD3	NM_001281739	c.C1553G	p.A518G
FHOD3	NM_001281739	c.G1888T	p.V630F
FHOD3	NM_001281739	c.G3400A	p.V1134I
FHOD3	NM_001281740	c.A2321G	p.Q774R
FHOD3	NM_001281740	c.C2129G	p.A710G
FHOD3	NM_001281740	c.G2464T	p.V822F
FHOD3	NM_001281740	c.G3976A	p.V1326I
FHOD3	NM_025135	c.C1423T	p.R475W
FHOD3	NM_025135	c.C1604G	p.A535G
FHOD3	NM_025135	c.G1939T	p.V647F
FHOD3	NM_025135	c.G3451A	p.V1151I
FIBCD1	NM_032843	c.G964A	p.A322T
FIBIN	NM_203371	c.G287A	p.R96H
FICD	NM_007076	c.A308G	p.K103R
FIG4	NM_014845	c.A1090T	p.M364L
FIG4	NM_014845	c.T1961C	p.V654A
FIGLA	NM_001004311	c.G422C	p.S141T
FIGNL1	NM_001287493	c.G409A	p.V137M
FIGNL1	NM_001287496	c.G76A	p.V26M
FILIP1L	NM_001042459	c.G503A	p.R168H
FIP1L1	NM_001134937	c.G862A	p.E288K
FIP1L1	NM_030917	c.G907A	p.E303K
FITM1	NM_203402	c.G380A	p.R127Q
FITM1	NM_203402	c.G400A	p.V134M
FIZ1	NM_032836	c.A1171G	p.T391A
FIZ1	NM_032836	c.G43A	p.A15T
FJX1	NM_014344	c.A1111G	p.T371A
FKBP10	NM_021939	c.A590G	p.K197R
FKBP15	NM_015258	c.C1300T	p.L434F
FKBP15	NM_015258	c.G1342A	p.D448N
FKBP15	NM_015258	c.G316A	p.A106T
FKBP15	NM_015258	c.T1239G	p.H413Q
FKBP2	NM_001135208	c.G20A	p.R7Q
FKBP4	NM_002014	c.C591A	p.N197K
FKBPL	NM_022110	c.A83G	p.N28S
FKBPL	NM_022110	c.C137G	p.T46R
FKBPL	NM_022110	c.G268A	p.A90T
FKTN	NM_001079802	c.G373A	p.G125S
FLAD1	NM_001184891	c.T512G	p.M171R
FLAD1	NM_201398	c.C742T	p.R248C
FLCN	NM_144606	c.G907A	p.G303R
FLCN	NM_144997	c.C1201T	p.R401C
FLG	NM_002016	c.A3794G	p.H1265R
FLG	NM_002016	c.A5486G	p.Y1829C

FLG	NM_002016	c.A7330G	p.K2444E
FLG	NM_002016	c.C11440T	p.R3814C
FLG	NM_002016	c.C1432T	p.P478S
FLG	NM_002016	c.C4309T	p.R1437C
FLG	NM_002016	c.C4445A	p.S1482Y
FLG	NM_002016	c.C4568T	p.T1523I
FLG	NM_002016	c.C4678T	p.R1560C
FLG	NM_002016	c.C5095T	p.R1699C
FLG	NM_002016	c.C5617A	p.Q1873K
FLG	NM_002016	c.C5671T	p.R1891W
FLG	NM_002016	c.C6045A	p.D2015E
FLG	NM_002016	c.C6256T	p.R2086C
FLG	NM_002016	c.C7716G	p.D2572E
FLG	NM_002016	c.G10590T	p.R3530S
FLG	NM_002016	c.G11312T	p.G3771V
FLG	NM_002016	c.G11959A	p.G3987S
FLG	NM_002016	c.G1330A	p.G444R
FLG	NM_002016	c.G2804C	p.G935A
FLG	NM_002016	c.G4901C	p.R1634T
FLG	NM_002016	c.G5051A	p.R1684H
FLG	NM_002016	c.G6220C	p.E2074Q
FLG	NM_002016	c.G995T	p.G332V
FLG2	NM_001014342	c.A478G	p.R160G
FLG2	NM_001014342	c.C121T	p.L41F
FLG2	NM_001014342	c.G3419A	p.G1140D
FLG2	NM_001014342	c.G410A	p.G137E
FLG2	NM_001014342	c.G827A	p.R276Q
FLG2	NM_001014342	c.G893C	p.C298S
FLG2	NM_001014342	c.T5122C	p.Y1708H
FLG2	NM_001014342	c.T892C	p.C298R
FLII	NM_001256264	c.A1058T	p.E353V
FLII	NM_001256264	c.G3695A	p.R1232H
FLII	NM_001256265	c.A929T	p.E310V
FLII	NM_001256265	c.C3556T	p.R1186W
FLII	NM_001256265	c.C60A	p.F20L
FLII	NM_001256265	c.G3548A	p.R1183Q
FLNB	NM_001164317	c.T7049C	p.I2350T
FLNB	NM_001164318	c.C1559T	p.P520L
FLNB	NM_001164318	c.C4233G	p.F1411L
FLNB	NM_001164318	c.G3469A	p.D1157N
FLNB	NM_001164318	c.G4411A	p.V1471M
FLNB	NM_001164318	c.G7501A	p.A2501T
FLNB	NM_001164318	c.T6923C	p.I2308T
FLNB	NM_001164319	c.A5945G	p.K1982R
FLNB	NM_001164319	c.G7462A	p.A2488T
FLNB	NM_001457	c.G7534A	p.A2512T
FLNB	NM_001164317	c.G4504A	p.V1502M
FLNC	NM_001127487	c.A4553G	p.K1518R
FLNC	NM_001127487	c.C2507A	p.P836Q
FLNC	NM_001127487	c.G1600A	p.E534K

FLNC	NM_001127487	c.G2041A	p.G681S
FLNC	NM_001127487	c.G6076A	p.V2026M
FLNC	NM_001127487	c.G6709A	p.E2237K
FLNC	NM_001127487	c.G6992A	p.R2331H
FLNC	NM_001127487	c.T2068C	p.F690L
FLNC	NM_001458	c.C3721T	p.R1241C
FLNC	NM_001458	c.G6808A	p.E2270K
FLNC	NM_001458	c.G7091A	p.R2364H
FLOT2	NM_004475	c.G982A	p.A328T
FLRT2	NM_013231	c.A1174G	p.S392G
FLRT3	NM_013281	c.A1380C	p.E460D
FLRT3	NM_013281	c.C1200A	p.H400Q
FLRT3	NM_013281	c.G1129A	p.A377T
FLT1	NM_002019	c.C3602T	p.P1201L
FLT3	NM_004119	c.C592T	p.L198F
FLT3	NM_004119	c.C680T	p.T227M
FLT3	NM_004119	c.G970A	p.D324N
FLT4	NM_002020	c.A1480G	p.T494A
FLT4	NM_002020	c.A445G	p.N149D
FLT4	NM_002020	c.C1911G	p.S637R
FLT4	NM_002020	c.C2059G	p.L687V
FLT4	NM_002020	c.C2670G	p.H890Q
FLT4	NM_002020	c.G1323C	p.Q441H
FLT4	NM_002020	c.G238C	p.V80L
FLT4	NM_002020	c.G253A	p.E85K
FLT4	NM_002020	c.T76G	p.S26A
FLT4	NM_182925	c.A4040G	p.D1347G
FLT4	NM_182925	c.C1921T	p.P641S
FLT4	NM_182925	c.C2860T	p.P954S
FLT4	NM_182925	c.G3959A	p.R1320Q
FLVCR1	NM_014053	c.C1631T	p.T544M
FLVCR2	NM_017791	c.T47C	p.V16A
FLYWCH1	NM_020912	c.A320G	p.D107G
FLYWCH1	NM_020912	c.G1784A	p.R595Q
FLYWCH1	NM_020912	c.T907G	p.C303G
FMN1	NM_001103184	c.G136C	p.E46Q
FMN1	NM_001103184	c.G413A	p.R138H
FMN1	NM_001103184	c.G512T	p.G171V
FMN1	NM_001103184	c.G716A	p.G239E
FMN1	NM_001103184	c.T1388C	p.L463P
FMN1	NM_001277313	c.T2057C	p.L686P
FMN2	NM_001305424	c.G1372A	p.A458T
FMN2	NM_001305424	c.G4415A	p.R1472H
FMN2	NM_020066	c.G4403A	p.R1468H
FMNL1	NM_005892	c.G2875A	p.D959N
FMNL1	NM_005892	c.G434A	p.R145H
FMNL3	NM_198900	c.C1210T	p.R404W
FMNL3	NM_198900	c.G39T	p.E13D
FMO1	NM_001282692	c.T2C	p.M1T
FMO1	NM_002021	c.G1387A	p.V463I



FMO3	NM_001002294	c.A923G	p.E308G
FMO3	NM_001002294	c.C1478T	p.S493L
FMO3	NM_001002294	c.G472A	p.E158K
FMO3	NM_001002294	c.G539T	p.G180V
FMO3	NM_001002294	c.G769A	p.V257M
FMO5	NM_001144829	c.A1172G	p.Q391R
FN1	NM_054034	c.A202T	p.T68S
FN1	NM_212476	c.C4586A	p.A1529E
FN1	NM_212478	c.C3541G	p.H1181D
FN3KRP	NM_024619	c.A215T	p.K72M
FNBP1	NM_015033	c.G1469A	p.S490N
FNBP1	NM_015033	c.T1286C	p.M429T
FNBP4	NM_015308	c.A2455G	p.I819V
FNBP4	NM_015308	c.A374G	p.E125G
FNBP4	NM_015308	c.C2348G	p.S783C
FNDC1	NM_032532	c.A1312G	p.T438A
FNDC1	NM_032532	c.A4720G	p.T1574A
FNDC1	NM_032532	c.C2650T	p.P884S
FNDC1	NM_032532	c.C364T	p.P122S
FNDC1	NM_032532	c.G2486A	p.G829E
FNDC1	NM_032532	c.G3646A	p.D1216N
FNDC1	NM_032532	c.A3839G	p.Q1280R
FNDC1	NM_032532	c.C3007G	p.Q1003E
FNDC1	NM_032532	c.G1387C	p.E463Q
FNDC1	NM_032532	c.T3782C	p.L1261P
FNDC3A	NM_001278438	c.C1456G	p.Q486E
FNDC3A	NM_014923	c.C1288G	p.Q430E
FNDC3B	NM_001135095	c.C536G	p.T179S
FNDC3B	NM_001135095	c.G1354T	p.A452S
FNDC7	NM_001144937	c.G671T	p.R224L
FNDC7	NM_001144937	c.G926A	p.S309N
FNDC7	NM_001144937	c.T1058C	p.V353A
FNDC8	NM_017559	c.T106C	p.S36P
FNDC9	NM_001001343	c.G412A	p.V138I
FNIP1	NM_001008738	c.A1859G	p.Q620R
FNIP1	NM_001008738	c.G226T	p.G76C
FNIP1	NM_133372	c.A1943G	p.Q648R
FNIP2	NM_020840	c.C893G	p.T298S
FNIP2	NM_020840	c.G1426T	p.A476S
FNIP2	NM_020840	c.G2473A	p.G825S
FNIP2	NM_020840	c.T2030C	p.M677T
FOCAD	NM_017794	c.G5047A	p.A1683T
FOCAD	NM_017794	c.A5002G	p.K1668E
FOLH1	NM_001014986	c.716delT	p.V239fs
FOLH1	NM_001014986	c.T223C	p.Y75H
FOLH1	NM_001193471	c.671delT	p.V224fs
FOLH1	NM_001193471	c.C2106A	p.S702R
FOLH1	NM_001193471	c.T178C	p.Y60H
FOLH1	NM_001193472	c.C2013A	p.S671R
FOLH1B	NM_153696	c.C453G	p.N151K

FOLR2	NM_001113534	c.G56A	p.C19Y
FOLR2	NM_001113536	c.G250A	p.G84S
FOPNL	NM_001304497	c.G244A	p.E82K
FOPNL	NM_001304499	c.G538A	p.E180K
FOPNL	NM_001304500	c.G268A	p.E90K
FOPNL	NM_144600	c.G466A	p.E156K
FOS	NM_005252	c.C859T	p.R287C
FOS	NM_005252	c.G253C	p.V85L
FOXA1	NM_004496	c.C442G	p.L148V
FOXA1	NM_004496	c.G1343A	p.S448N
FOXA1	NM_004496	c.G247A	p.A83T
FOXD3	NM_012183	c.C47T	p.T16M
FOXD4	NM_207305	c.A1288G	p.S430G
FOXF1	NM_001451	c.C346T	p.P116S
FOXF1	NM_001451	c.G1078A	p.G360S
FOXH1	NM_003923	c.A1049G	p.D350G
FOXH1	NM_003923	c.G338C	p.S113T
FOXJ3	NM_001198850	c.A1129C	p.T377P
FOXJ3	NM_001198851	c.T485C	p.V162A
FOXJ3	NM_001198852	c.A1027C	p.T343P
FOXK1	NM_001037165	c.C2039T	p.A680V
FOXK2	NM_004514	c.A1714G	p.I572V
FOXK2	NM_004514	c.C1880T	p.P627L
FOXL1	NM_005250	c.G814A	p.G272S
FOXL2NB	NM_001040061	c.C431G	p.P144R
FOXM1	NM_001243088	c.T1882C	p.S628P
FOXM1	NM_001243089	c.T1879C	p.S627P
FOXM1	NM_021953	c.C1205A	p.A402E
FOXM1	NM_021953	c.C2036T	p.S679L
FOXM1	NM_202002	c.C2150T	p.S717L
FOXM1	NM_202002	c.T2041C	p.S681P
FOXM1	NM_202003	c.C1160A	p.A387E
FOXM1	NM_202003	c.T1303C	p.F435L
FOXN1	NM_003593	c.A1657G	p.S553G
FOXN1	NM_003593	c.C1288T	p.P430S
FOXN1	NM_003593	c.C205T	p.R69C
FOXN1	NM_003593	c.G1795C	p.A599P
FOXN4	NM_213596	c.C1078A	p.P360T
FOXN4	NM_213596	c.G947A	p.R316H
FOXP4	NM_001012426	c.G97A	p.G33R
FOXP4	NM_001012427	c.C787T	p.P263S
FOXRED2	NM_001102371	c.A923G	p.N308S
FOXRED2	NM_001102371	c.C1008G	p.I336M
FOXRED2	NM_001102371	c.C211T	p.R71C
FOXRED2	NM_001102371	c.G1911C	p.E637D
FOXRED2	NM_001102371	c.T535C	p.F179L
FOXS1	NM_004118	c.C782T	p.A261V
FOXS1	NM_004118	c.G152A	p.R51Q
FOXS1	NM_004118	c.G220A	p.E74K
FPGS	NM_001018078	c.C103T	p.R35W

FPGS	NM_001018078	c.G994A	p.A332T
FPGS	NM_001288803	c.C1318T	p.R440C
FPGS	NM_001288803	c.G1066A	p.A356T
FPGT-TNNI3K	NM_001112808	c.C170T	p.A57V
FPGT-TNNI3K	NM_001112808	c.G1119C	p.L373F
FPR1	NM_001193306	c.A1037C	p.E346A
FPR1	NM_001193306	c.G301C	p.V101L
FPR1	NM_001193306	c.G488A	p.R163H
FPR1	NM_001193306	c.T576G	p.N192K
FPR1	NM_001193306	c.T32C	p.I11T
FPR2	NM_001462	c.T220C	p.F74L
FRA10AC1	NM_145246	c.C752T	p.S251F
FRA10AC1	NM_145246	c.G47A	p.R16H
FRAS1	NM_001166133	c.A95G	p.D32G
FRAS1	NM_001166133	c.C1918T	p.R640C
FRAS1	NM_001166133	c.C2450T	p.A817V
FRAS1	NM_001166133	c.C380G	p.P127R
FRAS1	NM_001166133	c.C4634T	p.P1545L
FRAS1	NM_001166133	c.G3406A	p.E1136K
FRAS1	NM_025074	c.A10683T	p.E3561D
FRAS1	NM_025074	c.C4160T	p.A1387V
FRAS1	NM_025074	c.C641T	p.P214L
FRAS1	NM_025074	c.C8417T	p.T2806M
FRAS1	NM_025074	c.G10696A	p.V3566I
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FRAS1	NM_025074	c.T10153G	p.Y3385D
FRAS1	NM_025074	c.T10877C	p.V3626A
FRAS1	NM_025074	c.T11717C	p.I3906T
FREM1	NM_001177704	c.A2036C	p.Q679P
FREM1	NM_001177704	c.A335T	p.N112I
FREM1	NM_001177704	c.G112A	p.V38M
FREM1	NM_144966	c.A1495G	p.I499V
FREM1	NM_144966	c.A6428C	p.Q2143P
FREM1	NM_144966	c.C2408A	p.S803Y
FREM1	NM_144966	c.C3606G	p.S1202R
FREM1	NM_144966	c.G1394C	p.G465A
FREM1	NM_144966	c.G3634T	p.A1212S
FREM1	NM_144966	c.G4504A	p.V1502M
FREM2	NM_207361	c.C2128T	p.R710C
FREM2	NM_207361	c.C2602G	p.L868V
FREM2	NM_207361	c.C532A	p.Q178K
FREM2	NM_207361	c.C5518T	p.R1840W
FREM2	NM_207361	c.C6196T	p.R2066C
FREM2	NM_207361	c.C6458G	p.T2153S
FREM2	NM_207361	c.C6977T	p.T2326I
FREM2	NM_207361	c.G2165A	p.R722K
FREM2	NM_207361	c.G2180A	p.R727H
FREM2	NM_207361	c.G2308A	p.V770M
FREM2	NM_207361	c.G5003A	p.R1668H
FREM2	NM_207361	c.T3209C	p.F1070S

FRK	NM_002031	c.A298G	p.I100V
FRK	NM_002031	c.C398T	p.S133L
FRK	NM_002031	c.G364A	p.G122R
FRMD1	NM_001122841	c.C616T	p.R206C
FRMD1	NM_001122841	c.G302A	p.R101H
FRMD1	NM_001122841	c.G479A	p.R160Q
FRMD1	NM_024919	c.A1120G	p.S374G
FRMD1	NM_024919	c.C820T	p.R274C
FRMD1	NM_024919	c.G506A	p.R169H
FRMD1	NM_001122841	c.C1162G	p.Q388E
FRMD1	NM_024919	c.C1366G	p.Q456E
FRMD3	NM_174938	c.C1526T	p.S509L
FRMD4B	NM_015123	c.A2309C	p.N770T
FRMD4B	NM_015123	c.C1622G	p.A541G
FRMD4B	NM_015123	c.G519C	p.E173D
FRMD5	NM_001286490	c.G238A	p.E80K
FRMPD1	NM_014907	c.A16C	p.T6P
FRMPD1	NM_014907	c.C2144T	p.P715L
FRMPD1	NM_014907	c.C2201T	p.P734L
FRMPD1	NM_014907	c.C674T	p.A225V
FRMPD1	NM_014907	c.G130A	p.A44T
FRMPD1	NM_014907	c.G2056T	p.A686S
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FRMPD2	NM_001018071	c.A1600G	p.K534E
FRRS1	NM_001013660	c.C1205G	p.A402G
FRRS1	NM_001013660	c.G1665A	p.M555I
FRS3	NM_006653	c.G947A	p.R316Q
FRY	NM_023037	c.A70C	p.T24P
FRY	NM_023037	c.C6269T	p.A2090V
FRY	NM_023037	c.G5902A	p.G1968S
FRYL	NM_015030	c.A2429G	p.K810R
FRYL	NM_015030	c.A6532G	p.T2178A
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FRZB	NM_001463	c.C598T	p.R200W
FRZB	NM_001463	c.C970G	p.R324G
FRZB	NM_001463	c.G88T	p.A30S
FSCB	NM_032135	c.C1225T	p.P409S
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FSCB	NM_032135	c.C680T	p.P227L
FSCB	NM_032135	c.T1139C	p.L380P
FSCN2	NM_001077182	c.C1172T	p.P391L
FSCN3	NM_020369	c.C289A	p.L97M
FSD1	NM_024333	c.C449T	p.A150V
FSD1	NM_024333	c.C629T	p.P210L
FSD1	NM_024333	c.C694G	p.L232V
FSD1	NM_024333	c.G1252A	p.V418M
FSD2	NM_001007122	c.A998C	p.K333T
FSHB	NM_000510	c.C327A	p.S109R
FSHR	NM_000145	c.G2039A	p.S680N

FSHR	NM_000145	c.G919A	p.A307T
FSHR	NM_181446	c.G1961A	p.S654N
FSHR	NM_181446	c.G841A	p.A281T
FSIP1	NM_152597	c.C1231T	p.L411F
FSIP1	NM_152597	c.G1583C	p.G528A
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FSIP2	NM_173651	c.A19549C	p.N6517H
FSIP2	NM_173651	c.C20039T	p.T6680I
FSIP2	NM_173651	c.C20456T	p.T6819I
FSIP2	NM_173651	c.G16522C	p.V5508L
FSIP2	NM_173651	c.G17591A	p.R5864Q
FSIP2	NM_173651	c.G18146A	p.R6049H
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FSIP2	NM_173651	c.T18761A	p.L6254Q
FSIP2	NM_173651	c.T17213C	p.I5738T
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FTCD	NM_006657	c.C1313T	p.A438V
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FTCD	NM_206965	c.C1358T	p.T453M
FTMT	NM_177478	c.G554A	p.G185D
FTMT	NM_177478	c.G646C	p.V216L
FTSJ3	NM_017647	c.A1270T	p.S424C
FTSJ3	NM_017647	c.C271G	p.Q91E
FUBP1	NM_001303433	c.A306C	p.Q102H
FUCA1	NM_000147	c.A857G	p.Q286R
FUCA1	NM_000147	c.C29G	p.P10R
FUCA2	NM_032020	c.A1066G	p.M356V
FUCA2	NM_032020	c.C1111T	p.H371Y
FUCA2	NM_032020	c.C698A	p.A233E
FUK	NM_145059	c.A2764C	p.K922Q
FUK	NM_145059	c.G1948A	p.V650M
FUK	NM_145059	c.G2816A	p.R939Q
FUOM	NM_001301828	c.A289C	p.I97L
FUOM	NM_001301828	c.C269T	p.T90M
FURIN	NM_001289824	c.C128T	p.A43V
FURIN	NM_001289824	c.C241T	p.R81C
FURIN	NM_001289824	c.G1924A	p.A642T
FUT1	NM_000148	c.C35T	p.A12V
FUT10	NM_032664	c.C1102G	p.L368V

FUT2	NM_000511	c.G772A	p.G258S
FUT3	NM_000149	c.T1067A	p.I356K
FUT3	NM_000149	c.T59G	p.L20R
FUT3	NM_001097640	c.C202T	p.R68W
FUT3	NM_001097640	c.T314C	p.M105T
FUT3	NM_001097641	c.G13A	p.G5S
FUT5	NM_002034	c.C1099T	p.R367C
FUT6	NM_000150	c.C370T	p.P124S
FUT7	NM_004479	c.G808A	p.A270T
FUT8	NM_004480	c.C311A	p.T104K
FUT8	NM_178155	c.A301C	p.K101Q
FUT8	NM_178155	c.C800A	p.T267K
FUZ	NM_001171937	c.G416A	p.G139D
FUZ	NM_025129	c.G524A	p.G175D
FXYD2	NM_021603	c.T49C	p.F17L
FXYD3	NM_001136009	c.C107G	p.P36R
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FXYD4	NM_001184963	c.G188A	p.C63Y
FXYD5	NM_001164605	c.G527A	p.R176H
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FXYD7	NM_022006	c.C161T	p.A54V
FYB	NM_001243093	c.G397A	p.E133K
FYB	NM_001465	c.G2152T	p.V718F
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FYCO1	NM_024513	c.A3322G	p.K1108E
FYCO1	NM_024513	c.C1339T	p.R447C
FYCO1	NM_024513	c.C3779G	p.P1260R
FYCO1	NM_024513	c.G1016A	p.R339Q
FYCO1	NM_024513	c.G749A	p.R250Q
FYCO1	NM_024513	c.G962C	p.G321A
FYN	NM_153048	c.C1353G	p.D451E
FYTTD1	NM_001011537	c.G182A	p.R61H
FYTTD1	NM_032288	c.G260A	p.R87H
FZD10	NM_007197	c.A893C	p.Y298S
FZD2	NM_001466	c.C1523T	p.A508V
FZD4	NM_012193	c.C502T	p.P168S
FZD4	NM_012193	c.361_362insGT	p.C121fs
FZD5	NM_003468	c.C647T	p.P216L
FZD6	NM_001164615	c.A97G	p.M33V
FZD6	NM_001164616	c.A1G	p.M1V
FZD6	NM_003506	c.C454G	p.Q152E
FZD8	NM_031866	c.C32T	p.S11L
FZR1	NM_016263	c.G86A	p.R29Q
G2E3	NM_017769	c.A337G	p.I113V
G6PC	NM_000151	c.C943G	p.P315A
G6PC2	NM_021176	c.C1025G	p.S342C
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G6PC3	NM_138387	c.G727A	p.V243M

GAA	NM_000152	c.C2417T	p.T806M
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GAA	NM_000152	c.G2446A	p.V816I
GAA	NM_001079803	c.G1726A	p.G576S
GAA	NM_001079803	c.G271A	p.D91N
GAA	NM_001079804	c.C917T	p.S306L
GAA	NM_001079804	c.G503A	p.R168Q
GAA	NM_000152	c.A596G	p.H199R
GAA	NM_000152	c.G2338A	p.V780I
GAA	NM_000152	c.G668A	p.R223H
GAB1	NM_207123	c.C932T	p.P311L
GAB2	NM_012296	c.C836T	p.P279L
GAB2	NM_080491	c.C950T	p.P317L
GAB4	NM_001037814	c.1138delC	p.Q380fs
GAB4	NM_001037814	c.C1109T	p.P370L
GAB4	NM_001037814	c.C274A	p.R92S
GAB4	NM_001037814	c.C938T	p.A313V
GAB4	NM_001037814	c.G1140C	p.Q380H
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GABBR2	NM_005458	c.A2605G	p.T869A
GABBR2	NM_005458	c.G1384A	p.E462K
GABPB1	NM_002041	c.A716G	p.N239S
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GABPB2	NM_144618	c.G940C	p.G314R
GABRA6	NM_000811	c.C1210T	p.P404S
GABRD	NM_000815	c.G659A	p.R220H
GABRG3	NM_033223	c.A1054G	p.T352A
GABRP	NM_014211	c.C1173A	p.F391L
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GABRR1	NM_001256703	c.A80G	p.H27R
GABRR2	NM_002043	c.C1289T	p.T430M
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GADL1	NM_207359	c.G1481A	p.R494H
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GAK	NM_001286833	c.C2858T	p.T953M
GAK	NM_001286833	c.C3455T	p.T1152M
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GAK	NM_005255	c.C2158T	p.P720S
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GAK	NM_005255	c.C3152T	p.T1051M
GAK	NM_005255	c.C841T	p.H281Y
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GAL3ST1	NM_004861	c.A1030G	p.I344V
GAL3ST1	NM_004861	c.G85A	p.V29M
GAL3ST2	NM_022134	c.A10T	p.M4L
GAL3ST2	NM_022134	c.G973A	p.G325S

GAL3ST3	NM_033036	c.C650T	p.P217L
GAL3ST3	NM_033036	c.C662A	p.A221D
GAL3ST4	NM_024637	c.C1400T	p.A467V
GALC	NM_000153	c.C550T	p.R184C
GALC	NM_000153	c.G742A	p.D248N
GALC	NM_000153	c.T1685C	p.I562T
GALC	NM_001201401	c.C481T	p.R161C
GALC	NM_001201401	c.T1616C	p.I539T
GALC	NM_001201402	c.A256G	p.T86A
GALC	NM_001201402	c.A271G	p.M91V
GALC	NM_001201402	c.C472T	p.R158C
GALC	NM_001201402	c.G664A	p.D222N
GALC	NM_001201402	c.T1607C	p.I536T
GALE	NM_000403	c.C172T	p.R58C
GALK1	NM_000154	c.C766T	p.R256W
GALM	NM_138801	c.A568T	p.N190Y
GALNS	NM_000512	c.G1127A	p.R376Q
GALNS	NM_000512	c.G1177T	p.A393S
GALNS	NM_000512	c.T499G	p.F167V
GALNT11	NM_001304514	c.A983G	p.E328G
GALNT12	NM_024642	c.G781A	p.D261N
GALNT14	NM_001253826	c.1011delG	p.G337fs
GALNT14	NM_001253826	c.G991A	p.V331I
GALNT14	NM_001253827	c.936delG	p.G312fs
GALNT14	NM_001253827	c.G916A	p.V306I
GALNT14	NM_024572	c.996delG	p.G332fs
GALNT14	NM_024572	c.G976A	p.V326I
GALNT15	NM_054110	c.C452T	p.P151L
GALNT15	NM_054110	c.G1294A	p.A432T
GALNT16	NM_001168368	c.C1291T	p.L431F
GALNT16	NM_001168368	c.G601A	p.V201M
GALNT18	NM_198516	c.G760A	p.V254M
GALNT2	NM_004481	c.G1660A	p.V554M
GALNT4	NM_003774	c.G1516A	p.V506I
GALNT4	NM_003774	c.G890A	p.R297Q
GALNT4	NM_003774	c.T809C	p.I270T
GALNT5	NM_014568	c.C2674T	p.P892S
GALNT5	NM_014568	c.G1467C	p.Q489H
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GALNT6	NM_007210	c.G446A	p.R149Q
GALNT6	NM_007210	c.G925A	p.A309T
GALNT8	NM_017417	c.A800G	p.E267G
GALNT8	NM_017417	c.C481T	p.R161C
GALNT8	NM_017417	c.C517T	p.R173W
GALNT8	NM_017417	c.G1114T	p.G372W
GALNT8	NM_017417	c.G1543T	p.V515F
GALNTL5	NM_145292	c.A548G	p.E183G
GALNTL5	NM_145292	c.C473T	p.T158M
GALNTL5	NM_145292	c.T370C	p.C124R
GALP	NM_033106	c.C216G	p.I72M



GALP	NM_033106	c.G158T	p.G53V
GALR1	NM_001480	c.A793T	p.I265F
GALR3	NM_003614	c.G499A	p.G167S
GALR3	NM_003614	c.161_162insGG	p.G54fs
GALT	NM_000155	c.A940G	p.N314D
GALT	NM_000155	c.C197T	p.P66L
GALT	NM_001258332	c.A613G	p.N205D
GAMT	NM_000156	c.C626T	p.T209M
GANAB	NM_001278192	c.A641G	p.N214S
GANAB	NM_001278193	c.A575G	p.N192S
GANAB	NM_001278194	c.A1489G	p.M497V
GANAB	NM_198335	c.A1846G	p.M616V
GANC	NM_001301409	c.C863T	p.S288L
GANC	NM_001301409	c.G262A	p.E88K
GANC	NM_198141	c.A2543G	p.Q848R
GANC	NM_198141	c.A496G	p.I166V
GANC	NM_198141	c.T1329A	p.D443E
GANC	NM_198141	c.T2534C	p.F845S
GANC	NM_001301409	c.A131G	p.Q44R
GAPDH	NM_001289745	c.C123G	p.N41K
GAPDHS	NM_014364	c.A601G	p.M201V
GAPDHS	NM_014364	c.G277T	p.A93S
GAPDHS	NM_014364	c.T1156C	p.Y386H
GAPVD1	NM_001282679	c.G850A	p.V284M
GAREM	NM_001242409	c.A2437G	p.I813V
GAREM	NM_022751	c.A2434G	p.I812V
GAREM	NM_022751	c.A872G	p.K291R
GARNL3	NM_032293	c.C1728G	p.D576E
GARS	NM_002047	c.C124G	p.P42A
GART	NM_000819	c.A2255G	p.D752G
GART	NM_175085	c.G1261A	p.V421I
GAS2L1	NM_001278730	c.C532T	p.P178S
GAS2L1	NM_001278730	c.G941A	p.R314Q
GAS2L2	NM_139285	c.C1474T	p.R492C
GAS2L2	NM_139285	c.C1961T	p.A654V
GAS2L2	NM_139285	c.C2485T	p.R829W
GAS2L2	NM_139285	c.C491T	p.A164V
GAS2L2	NM_139285	c.G1297A	p.G433R
GAS2L2	NM_139285	c.G1618A	p.A540T
GAS2L3	NM_001303130	c.C1214T	p.S405L
GAS2L3	NM_001303130	c.G667A	p.D223N
GAS2L3	NM_001303131	c.C944T	p.P315L
GAS2L3	NM_174942	c.C1256T	p.P419L
GAS6	NM_000820	c.C1690A	p.L564I
GAS8	NM_001286205	c.G527A	p.R176Q
GAS8	NM_001286209	c.G701A	p.R234Q
GAS8	NM_001481	c.G776A	p.R259Q
GAS8	NM_001481	c.G808C	p.A270P
GATA2	NM_001145661	c.G490A	p.A164T
GATA2	NM_001145662	c.C121G	p.P41A

GATA2	NM_001145662	c.C481G	p.P161A
GATA3	NM_001002295	c.G724A	p.G242S
GATA4	NM_002052	c.A1129G	p.S377G
GATA5	NM_080473	c.C932T	p.S311L
GATA5	NM_080473	c.G1072A	p.G358S
GATAD2A	NM_001300946	c.A887G	p.N296S
GATAD2A	NM_017660	c.G1720A	p.A574T
GATAD2A	NM_017660	c.G1723A	p.G575S
GATB	NM_004564	c.C89A	p.A30D
GATC	NM_176818	c.C8T	p.S3L
GATSL3	NM_001037666	c.584delC	p.P195fs
GBA	NM_000157	c.C1223T	p.T408M
GBA	NM_001171811	c.C962T	p.T321M
GBA2	NM_020944	c.G2201A	p.R734H
GBE1	NM_000158	c.A568G	p.R190G
GBE1	NM_000158	c.G2017A	p.A673T
GBE1	NM_000158	c.A1000G	p.I334V
GBF1	NM_001199379	c.G5065A	p.G1689S
GBF1	NM_004193	c.G5077A	p.G1693S
GBGT1	NM_001282629	c.C58T	p.L20F
GBGT1	NM_001282629	c.C851T	p.A284V
GBGT1	NM_001282632	c.T281C	p.I94T
GBGT1	NM_001288572	c.T191C	p.I64T
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GBP1	NM_002053	c.A232G	p.I78V
GBP1	NM_002053	c.C793A	p.Q265K
GBP1	NM_002053	c.G638A	p.S213N
GBP2	NM_004120	c.A907G	p.S303G
GBP2	NM_004120	c.C266T	p.P89L
GBP2	NM_004120	c.C853G	p.P285A
GBP2	NM_004120	c.G1021A	p.V341M
GBP2	NM_004120	c.T841C	p.S281P
GBP3	NM_018284	c.C868T	p.R290C
GBP3	NM_018284	c.G1405A	p.V469M
GBP3	NM_018284	c.T1471C	p.C491R
GBP3	NM_018284	c.T1742C	p.L581P
GBP5	NM_001134486	c.G1750A	p.V584I
GBP5	NM_052942	c.1214delG	p.C405fs
GBP5	NM_052942	c.504_505insGACT	p.S169fs
GBP6	NM_198460	c.C833T	p.T278I
GBP6	NM_198460	c.T488C	p.V163A
GBP6	NM_198460	c.A1063G	p.M355V
GBP6	NM_198460	c.A1559T	p.D520V
GBP6	NM_198460	c.C1030T	p.L344F
GBP6	NM_198460	c.G991T	p.A331S
GBP7	NM_207398	c.C41T	p.T14I
GC	NM_000583	c.C1307A	p.T436K
GC	NM_000583	c.T1296G	p.D432E
GC	NM_001204307	c.C1364A	p.T455K
GC	NM_001204307	c.T1353G	p.D451E

GCA	NM_012198	c.T238G	p.S80A
GCAT	NM_001171690	c.C115T	p.R39C
GCAT	NM_001171690	c.T230C	p.L77S
GCAT	NM_014291	c.C1069T	p.R357W
GCAT	NM_014291	c.C1159T	p.R387W
GCC1	NM_024523	c.C365T	p.A122V
GCC1	NM_024523	c.G800A	p.R267K
GCC2	NM_181453	c.A371G	p.H124R
GCC2	NM_181453	c.C3838T	p.H1280Y
GCC2	NM_181453	c.C3400G	p.Q1134E
GCDH	NM_000159	c.C1204T	p.R402W
GCDH	NM_000159	c.G1210A	p.A404T
GCDH	NM_000159	c.T428C	p.V143A
GCDH	NM_013976	c.A1250G	p.Q417R
GCFC2	NM_001201334	c.A1273G	p.T425A
GCFC2	NM_001201334	c.A239G	p.N80S
GCFC2	NM_001201335	c.G431A	p.R144H
GCFC2	NM_003203	c.A1780G	p.T594A
GCFC2	NM_003203	c.A2172C	p.E724D
GCFC2	NM_003203	c.A746G	p.N249S
GCK	NM_000162	c.G31A	p.A11T
GCKR	NM_001486	c.G904A	p.A302T
GCKR	NM_001486	c.T1337C	p.L446P
GCM2	NM_004752	c.A679G	p.I227V
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GCNT1	NM_001097633	c.A454G	p.I152V
GCNT1	NM_001097633	c.C1103T	p.P368L
GCNT2	NM_145649	c.C305G	p.T102S
GCNT2	NM_145655	c.G505A	p.A169T
GCNT3	NM_004751	c.C780G	p.H260Q
GCNT4	NM_016591	c.C1315T	p.P439S
GCNT4	NM_016591	c.G961A	p.V321I
GCOM1	NM_001018090	c.C830T	p.A277V
GDA	NM_001242505	c.C1399T	p.P467S
GDAP1L1	NM_001256737	c.G652A	p.E218K
GDAP1L1	NM_001256738	c.G328A	p.E110K
GDAP1L1	NM_024034	c.G595A	p.E199K
GDF1	NM_001492	c.C353T	p.A118V
GDF15	NM_004864	c.C604G	p.H202D
GDF15	NM_004864	c.G25C	p.V9L
GDF15	NM_004864	c.T142A	p.S48T
GDF3	NM_020634	c.C796T	p.R266C
GDF3	NM_020634	c.G637A	p.G213R
GDF3	NM_020634	c.G982C	p.V328L
GDF5	NM_000557	c.C497A	p.P166H
GDF5	NM_000557	c.G349T	p.A117S
GDF5	NM_000557	c.T826G	p.S276A
GDF9	NM_001288824	c.G940A	p.V314I
GDNF	NM_000514	c.C277T	p.R93W
GDPD4	NM_182833	c.1191delT	p.N397fs

GDPD4	NM_182833	c.A1336T	p.T446S
GDPD4	NM_182833	c.A659G	p.K220R
GDPD4	NM_182833	c.C1147T	p.H383Y
GDPD5	NM_030792	c.G1438A	p.A480T
GDPGP1	NM_001013657	c.C920T	p.T307I
GDPGP1	NM_001013657	c.T110C	p.M37T
GEM	NM_005261	c.C112T	p.H38Y
GEM	NM_005261	c.C127G	p.R43G
GEM	NM_005261	c.G134A	p.R45H
GEMIN4	NM_015721	c.A1778T	p.E593V
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GEMIN5	NM_015465	c.A4349G	p.E1450G
GEMIN5	NM_015465	c.C3463T	p.P1155S
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GEN1	NM_001130009	c.A2644G	p.K882E
GEN1	NM_001130009	c.A428G	p.N143S
GEN1	NM_001130009	c.C2039T	p.T680I
GEN1	NM_001130009	c.T274A	p.S92T
GEN1	NM_182625	c.A607G	p.I203V
GEN1	NM_182625	c.C2692T	p.R898C
GEN1	NM_182625	c.G988A	p.E330K
GEN1	NM_182625	c.T2619G	p.S873R
GEN1	NM_001130009	c.2519_2520insAAGTT	p.L840fs
GFAP	NM_001131019	c.A1276G	p.T426A
GFAP	NM_001131019	c.C1277T	p.T426M
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GFER	NM_005262	c.T496C	p.F166L
GFI1	NM_001127215	c.G107A	p.S36N
GFI1B	NM_004188	c.C568T	p.R190W
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GFM1	NM_024996	c.G1990A	p.V664I
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GFM2	NM_032380	c.A191G	p.N64S
GFM2	NM_032380	c.A43G	p.I15V
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GFM2	NM_170691	c.C2089G	p.R697G
GFPT2	NM_005110	c.A1363C	p.I455L
GFRA1	NM_001145453	c.A1081G	p.T361A
GFRA1	NM_005264	c.A1096G	p.T366A
GFRA1	NM_005264	c.T253A	p.Y85N
GFRA2	NM_001165038	c.C884T	p.T295I
GFRA2	NM_001165038	c.T1070A	p.L357Q
GFRA2	NM_001165039	c.C800T	p.T267I
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GFRA2	NM_001495	c.C1327T	p.P443S
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GFRAL	NM_207410	c.A664G	p.S222G
GFRAL	NM_207410	c.C97T	p.R33C
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GGA1	NM_001172687	c.G1213A	p.E405K
GGA1	NM_001172687	c.G1580A	p.R527Q
GGA1	NM_001172687	c.G433A	p.V145I
GGA1	NM_001172688	c.G1373A	p.R458Q
GGA1	NM_001172688	c.G214A	p.V72I
GGA1	NM_001172688	c.G994A	p.E332K
GGA1	NM_013365	c.G1592A	p.R531Q
GGA2	NM_015044	c.G1270C	p.A424P
GGA3	NM_001172704	c.G289C	p.E97Q
GGCX	NM_000821	c.G1355C	p.S452T
GGH	NM_003878	c.A112G	p.I38V
GGH	NM_003878	c.C452T	p.T151I
GGH	NM_003878	c.G91A	p.A31T
GGH	NM_003878	c.T16C	p.C6R
GGN	NM_152657	c.C1177T	p.P393S
GGN	NM_152657	c.C1316A	p.P439Q
GGN	NM_152657	c.C593T	p.P198L
GGN	NM_152657	c.C647A	p.A216D
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GGT5	NM_001099781	c.A1426G	p.I476V
GGT5	NM_001099781	c.A989G	p.K330R
GGT5	NM_001099781	c.C479T	p.A160V
GGT5	NM_001099782	c.A893G	p.K298R
GGT5	NM_001099782	c.C383T	p.A128V
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GGT6	NM_001122890	c.C118T	p.R40W
GGT6	NM_153338	c.C173T	p.A58V
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GHDC	NM_001142623	c.C1066T	p.R356C
GHDC	NM_001142623	c.G679A	p.G227R
GHDC	NM_032484	c.C1405T	p.R469C
GHITM	NM_014394	c.C563T	p.P188L
GHITM	NM_014394	c.G973A	p.D325N
GHR	NM_001242401	c.A1630C	p.I544L
GHR	NM_001242399	c.A1651C	p.I551L

GHR	NM_001242460	c.A1564C	p.I522L
GHRH	NM_001184731	c.C223T	p.L75F
GHRHR	NM_000823	c.T1265C	p.M422T
GHRL	NM_001302822	c.C214A	p.L72M
GHRL	NM_001302822	c.G152A	p.R51Q
GHRL	NM_001302823	c.C211A	p.L71M
GIF	NM_005142	c.A68G	p.Q23R
GIF	NM_005142	c.T290C	p.M97T
GIGYF2	NM_001103148	c.A1352C	p.N451T
GIMAP2	NM_015660	c.G220T	p.V74F
GIMAP4	NM_018326	c.G384T	p.E128D
GIMAP6	NM_001244072	c.G719A	p.G240D
GIMAP6	NM_001244072	c.G721A	p.G241S
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GIN1	NM_017676	c.C716T	p.T239M
GINM1	NM_138785	c.A739G	p.K247E
GIN51	NM_021067	c.C247T	p.R83C
GIN51	NM_021067	c.G289A	p.V97I
GIP	NM_004123	c.A307G	p.S103G
GIPC1	NM_005716	c.C713G	p.T238S
GIPC1	NM_202468	c.C677T	p.A226V
GIPC1	NM_202469	c.C422G	p.T141S
GIPC2	NM_001304725	c.T395C	p.L132P
GIPC2	NM_017655	c.T617C	p.L206P
GIPC3	NM_133261	c.G440A	p.R147Q
GIPC3	NM_133261	c.G856A	p.V286I
GIPR	NM_000164	c.G1060C	p.E354Q
GIPR	NM_000164	c.G569A	p.R190Q
GIPR	NM_000164	c.G756C	p.E252D
GIT2	NM_057169	c.C1655T	p.A552V
GJA1	NM_000165	c.C758T	p.A253V
GJA1	NM_000165	c.G1127A	p.R376Q
GJA10	NM_032602	c.G1390A	p.E464K
GJA4	NM_002060	c.C394T	p.R132C
GJA4	NM_002060	c.C955T	p.P319S
GJA4	NM_002060	c.G388A	p.V130I
GJA8	NM_005267	c.C1157T	p.P386L
GJA9	NM_030772	c.C1213T	p.P405S
GJA9	NM_030772	c.G1489A	p.V497I
GJB2	NM_004004	c.35delG	p.G12fs
GJB2	NM_004004	c.C427T	p.R143W
GJB3	NM_001005752	c.C94T	p.R32W
GJB3	NM_001005752	c.G479A	p.R160H
GJB4	NM_153212	c.C507G	p.C169W
GJB4	NM_153212	c.156_157insTGTC	p.V52fs
GJB4	NM_153212	c.G109A	p.V37M

GJB5	NM_005268	c.G293A	p.R98Q
GJB6	NM_001110221	c.A607G	p.M203V
GJB7	NM_198568	c.C530T	p.T177M
GJB7	NM_198568	c.C59T	p.T20I
GJB7	NM_198568	c.G127A	p.V43M
GJB7	NM_198568	c.T616C	p.F206L
GJC1	NM_005497	c.G709A	p.G237S
GJC2	NM_020435	c.C1193T	p.T398I
GJC2	NM_020435	c.G556T	p.G186C
GJD4	NM_153368	c.C259T	p.L87F
GK2	NM_033214	c.A1469G	p.Q490R
GKN2	NM_182536	c.G338A	p.S113N
GLB1	NM_000404	c.C29T	p.P10L
GLB1	NM_000404	c.C304G	p.H102D
GLB1L	NM_001286423	c.C112T	p.R38W
GLB1L2	NM_138342	c.C854T	p.S285L
GLB1L3	NM_001080407	c.T1595C	p.V532A
GLCE	NM_015554	c.G1789A	p.V597I
GLDC	NM_000170	c.C1166T	p.A389V
GLDC	NM_000170	c.C2852A	p.S951Y
GLDC	NM_000170	c.G2380A	p.A794T
GLDN	NM_181789	c.C440T	p.P147L
GLDN	NM_181789	c.G1051A	p.D351N
GLDN	NM_181789	c.G794A	p.S265N
GLE1	NM_001003722	c.A727G	p.I243V
GLG1	NM_012201	c.A3338T	p.N1113I
GLI1	NM_001167609	c.G3175C	p.E1059Q
GLI1	NM_005269	c.G1214A	p.R405Q
GLI1	NM_001160045	c.G2914C	p.E972Q
GLI1	NM_005269	c.G3298C	p.E1100Q
GLI2	NM_005270	c.C3943T	p.P1315S
GLI2	NM_005270	c.G3466T	p.A1156S
GLI2	NM_005270	c.G3916A	p.D1306N
GLI2	NM_005270	c.G598A	p.A200T
GLI3	NM_000168	c.A547G	p.T183A
GLI3	NM_000168	c.C2993T	p.P998L
GLI3	NM_000168	c.C4609T	p.R1537C
GLI3	NM_000168	c.G1393C	p.G465R
GLI3	NM_000168	c.G3083T	p.S1028I
GLI3	NM_000168	c.G4007A	p.G1336E
GLIPR1L2	NM_152436	c.G151A	p.V51I
GLIPR2	NM_001287012	c.G76A	p.V26I
GLIPR2	NM_001287013	c.G121A	p.V41I
GLIS1	NM_147193	c.C449T	p.A150V
GLIS1	NM_147193	c.C823T	p.R275W
GLIS1	NM_147193	c.G1267A	p.D423N
GLIS1	NM_147193	c.G148A	p.G50S
GLIS1	NM_147193	c.G314A	p.R105Q
GLIS1	NM_147193	c.T469C	p.F157L
GLIS2	NM_032575	c.G223T	p.A75S

GLIS3	NM_001042413	c.A82G	p.I28V
GLMN	NM_053274	c.A1061C	p.Q354P
GLMN	NM_053274	c.C1054A	p.L352I
GLMN	NM_053274	c.T1080G	p.S360R
GLMP	NM_001256604	c.G280A	p.V94I
GLMP	NM_001256608	c.C396A	p.S132R
GLMP	NM_001256609	c.G37A	p.V13I
GLO1	NM_006708	c.A332C	p.E111A
GLOD4	NM_016080	c.G838T	p.A280S
GLP1R	NM_002062	c.A780C	p.L260F
GLP1R	NM_002062	c.G502A	p.G168S
GLP1R	NM_002062	c.G946A	p.A316T
GLP2R	NM_004246	c.C1414T	p.R472W
GLP2R	NM_004246	c.G1408A	p.D470N
GLP2R	NM_004246	c.G700A	p.V234I
GLRA1	NM_001146040	c.G1031A	p.R344Q
GLRA1	NM_001292000	c.G859A	p.G287S
GLRA3	NM_001042543	c.G1300A	p.V434I
GLRA3	NM_006529	c.G1345A	p.V449I
GLRX2	NM_197962	c.T2C	p.M1T
GLS	NM_014905	c.G1294T	p.A432S
GLS2	NM_001280796	c.T914C	p.L305P
GLS2	NM_001280797	c.T947C	p.L316P
GLS2	NM_013267	c.T1742C	p.L581P
GLT6D1	NM_182974	c.427delT	p.W143fs
GLT6D1	NM_182974	c.A584G	p.H195R
GLT6D1	NM_182974	c.C655T	p.P219S
GLT8D1	NM_001278281	c.G629A	p.R210H
GLT8D2	NM_031302	c.A71G	p.Y24C
GLT8D2	NM_031302	c.A817G	p.M273V
GLT8D2	NM_031302	c.G109A	p.A37T
GLTSCR1	NM_015711	c.A3130G	p.T1044A
GLYAT	NM_005838	c.T49A	p.S17T
GLYAT	NM_201648	c.T815C	p.M272T
GLYAT	NM_005838	c.A467G	p.N156S
GLYATL2	NM_145016	c.A251T	p.K84I
GLYATL3	NM_001010904	c.T47C	p.M16T
GLYCTK	NM_001144951	c.C508G	p.L170V
GLYCTK	NM_001144951	c.C79T	p.R27C
GLYCTK	NM_001144951	c.G325A	p.V109M
GM2A	NM_000405	c.T458C	p.V153A
GM2A	NM_001167607	c.A175G	p.I59V
GM2A	NM_001167607	c.A205G	p.M69V
GM2A	NM_001167607	c.G55A	p.A19T
GMEB2	NM_012384	c.G727A	p.A243T
GMIP	NM_001288998	c.G1834A	p.D612N
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GMIP	NM_016573	c.G1921A	p.D641N
GMIP	NM_016573	c.G646A	p.A216T



GML	NM_002066	c.C160T	p.R54C
GMNC	NM_001146686	c.T85C	p.S29P
GMNN	NM_001251989	c.A53C	p.N18T
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GMNN	NM_001251989	c.G144C	p.L48F
GMPPA	NM_013335	c.G1137T	p.K379N
GMPPB	NM_013334	c.C376G	p.H126D
GMPPB	NM_021971	c.A551G	p.Q184R
GMPR	NM_006877	c.684delC	p.V228fs
GMPR	NM_006877	c.A1022G	p.N341S
GMPR	NM_006877	c.G955C	p.V319L
GMPS	NM_003875	c.G698C	p.R233T
GNA11	NM_002067	c.T508A	p.L170M
GNA14	NM_004297	c.A860G	p.Y287C
GNA15	NM_002068	c.C505T	p.R169C
GNA15	NM_002068	c.G341A	p.S114N
GNA15	NM_002068	c.G544A	p.V182M
GNAS	NM_001077490	c.A313G	p.T105A
GNAS	NM_001077490	c.C940T	p.R314W
GNAS	NM_080425	c.A484G	p.M162V
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GNAT1	NM_000172	c.G83A	p.R28Q
GNAT3	NM_001102386	c.C106A	p.L36M
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GNB3	NM_001297571	c.G811A	p.G271S
GNB4	NM_021629	c.G958A	p.V320I
GNE	NM_001128227	c.T717G	p.D239E
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GNG4	NM_004485	c.G149A	p.R50Q
GNGT2	NM_001198754	c.A50G	p.Q17R
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GNL3	NM_014366	c.G1099A	p.V367M
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GNLY	NM_001302758	c.A197G	p.E66G
GNLY	NM_001302758	c.C437T	p.T146I
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GNPAT	NM_014236	c.A1556G	p.D519G
GNPTAB	NM_024312	c.A1042C	p.I348L
GNPTAB	NM_024312	c.A3515G	p.Y1172C
GNPTAB	NM_024312	c.G137A	p.R46Q
GNPTG	NM_032520	c.602dupC	p.T201fs

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GNRH2	NM_001501	c.C47T	p.A16V
GNRH2	NM_001501	c.G160A	p.A54T
GNS	NM_002076	c.G1374A	p.M458I
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GORAB	NM_152281	c.G958A	p.E320K
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GOSR2	NM_004287	c.G393T	p.Q131H
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GPA33	NM_005814	c.C941T	p.P314L
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GPATCH2	NM_018040	c.G1552A	p.A518T
GPATCH3	NM_022078	c.C545T	p.P182L

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GPATCH8	NM_001304939	c.A3700G	p.S1234G
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GPBAR1	NM_001077194	c.G239A	p.R80Q
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GPC6	NM_005708	c.C256T	p.L86F
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GPD2	NM_000408	c.G791A	p.R264H
GPBR1	NM_001098201	c.T1119G	p.S373R
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GPR37	NM_005302	c.C1766T	p.T589M
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GPR61	NM_031936	c.C1045T	p.R349W
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GPSM3	NM_001276501	c.C139G	p.H47D
GPT	NM_005309	c.C40A	p.H14N

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GPX8	NM_001008397	c.A545G	p.K182R
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GRAMD2	NM_001012642	c.G67A	p.A23T
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GRB7	NM_001030002	c.C1085T	p.P362L
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GREB1	NM_014668	c.C383T	p.P128L
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GRHL1	NM_198182	c.G1189A	p.V397I
GRHL2	NM_024915	c.A26G	p.K9R
GRHL2	NM_024915	c.G1243A	p.V415I
GRHL3	NM_001195010	c.C27G	p.D9E
GRHL3	NM_001195010	c.C476T	p.S159L
GRHL3	NM_001195010	c.T341C	p.V114A
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GRHL3	NM_021180	c.T494C	p.V165A
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GRID1	NM_017551	c.G1934T	p.C645F
GRID2	NM_001286838	c.C203T	p.T68M
GRID2	NM_001286838	c.G1183A	p.V395I
GRIK3	NM_000831	c.T928G	p.S310A
GRIK4	NM_001282470	c.T2471C	p.M824T
GRIK4	NM_014619	c.G1865A	p.S622N
GRIK5	NM_001301030	c.C682T	p.R228C
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GRIN3A	NM_133445	c.G376A	p.D126N
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GRIN3B	NM_138690	c.C1730T	p.T577M
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GRIN3B	NM_138690	c.T1187C	p.L396S
GRIN3B	NM_138690	c.T1240C	p.W414R
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GRINA	NM_000837	c.C44T	p.P15L
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GRK1	NM_002929	c.C869T	p.P290L
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GRK4	NM_001004056	c.G643A	p.V215I
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GRK4	NM_001004056	c.T1361C	p.V454A
GRK4	NM_001004057	c.C311T	p.S104L
GRK4	NM_001004057	c.C425T	p.A142V
GRK4	NM_001004057	c.G194T	p.R65L
GRK4	NM_001004057	c.G346A	p.A116T
GRK4	NM_001004057	c.G739A	p.V247I
GRK4	NM_001004057	c.T1457C	p.V486A
GRK4	NM_005307	c.T1274C	p.L425P
GRK4	NM_182982	c.T1370C	p.L457P
GRK5	NM_005308	c.C1440G	p.I480M
GRK5	NM_005308	c.C356T	p.A119V
GRK5	NM_005308	c.C910T	p.R304C
GRK7	NM_139209	c.603delT	p.G201fs
GRK7	NM_139209	c.A1328G	p.E443G
GRK7	NM_139209	c.A193G	p.I65V
GRK7	NM_139209	c.A47G	p.Y16C
GRK7	NM_139209	c.C1378A	p.P460T
GRK7	NM_139209	c.G925C	p.E309Q
GRM1	NM_001278064	c.G3107T	p.G1036V
GRM1	NM_001278064	c.T2977C	p.S993P
GRM1	NM_001278066	c.C2185A	p.P729T
GRM1	NM_001278067	c.G2651A	p.G884E
GRM2	NM_000839	c.A943G	p.I315V



GRM2	NM_000839	c.C1571T	p.P524L
GRM4	NM_001256811	c.C827T	p.S276L
GRM6	NM_000843	c.C1579T	p.R527W
GRM6	NM_000843	c.C1805T	p.T602M
GRM6	NM_000843	c.C2420T	p.A807V
GRM6	NM_000843	c.G1012A	p.G338R
GRM7	NM_000844	c.A1298T	p.Y433F
GRM8	NM_000845	c.T1085A	p.F362Y
GRN	NM_002087	c.C545T	p.T182M
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GRP	NM_001012512	c.397_398insGAAG	p.G133fs
GRP	NM_001012513	c.399_400insGAAG	p.K133fs
GRP	NM_002091	c.418_419insGAAG	p.G140fs
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GRWD1	NM_031485	c.C584T	p.A195V
GRWD1	NM_031485	c.C685T	p.R229C
GRWD1	NM_031485	c.G1057A	p.V353M
GRWD1	NM_031485	c.G436A	p.V146M
GRWD1	NM_031485	c.G593A	p.R198Q
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GRXCR1	NM_001080476	c.C140T	p.A47V
GRXCR1	NM_001080476	c.G25A	p.E9K
GRXCR2	NM_001080516	c.A543C	p.L181F
GRXCR2	NM_001080516	c.C220G	p.Q74E
GSAP	NM_017439	c.G1691C	p.R564T
GSAP	NM_017439	c.G1945A	p.V649I
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GSAP	NM_017439	c.G914A	p.G305E
GSAP	NM_017439	c.A140G	p.H47R
GSDMA	NM_178171	c.C941A	p.T314N
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GSDMA	NM_178171	c.G53A	p.R18Q
GSDMB	NM_001042471	c.C892T	p.P298S
GSDMB	NM_001042471	c.G823A	p.D275N
GSDMB	NM_001165958	c.112delC	p.H38fs
GSDMB	NM_001165958	c.A749G	p.D250G
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GSDMB	NM_001165958	c.G862A	p.D288N
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GSDMB	NM_018530	c.A683G	p.D228G
GSDMB	NM_018530	c.C865T	p.P289S
GSDMB	NM_018530	c.G787A	p.G263S
GSDMB	NM_001165959	c.C904T	p.P302S
GSDMC	NM_031415	c.C67T	p.P23S
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GSE1	NM_001278184	c.A580T	p.M194L
GSG1	NM_153823	c.G272A	p.R91Q
GSG2	NM_031965	c.C244T	p.R82C
GSG2	NM_031965	c.G434A	p.R145H
GSG2	NM_031965	c.G611A	p.G204D
GSG2	NM_031965	c.G978C	p.R326S
GSG2	NM_031965	c.T1133C	p.V378A
GSG2	NM_031965	c.T983C	p.I328T
GSN	NM_000177	c.C875T	p.A292V
GSN	NM_000177	c.G385A	p.A129T
GSR	NM_001195102	c.C1140A	p.N380K
GSS	NM_000178	c.C988T	p.R330C
GSTA2	NM_000846	c.C328T	p.P110S
GSTA2	NM_000846	c.G335C	p.S112T
GSTA3	NM_000847	c.A217G	p.N73D
GSTA5	NM_153699	c.A221G	p.Y74C
GSTK1	NM_001143679	c.C350T	p.A117V
GSTM1	NM_000561	c.A254G	p.N85S
GSTM1	NM_000561	c.A451G	p.N151D
GSTM3	NM_000849	c.G670A	p.V224I
GSTM4	NM_000850	c.C51G	p.I17M
GSTO1	NM_001191002	c.G523A	p.E175K
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GSTO1	NM_001191003	c.G538A	p.E180K
GSTO1	NM_004832	c.C419A	p.A140D
GSTO2	NM_001191014	c.A340G	p.N114D
GSTO2	NM_183239	c.A424G	p.N142D
GSTP1	NM_000852	c.A313G	p.I105V
GSTP1	NM_000852	c.C341T	p.A114V
GSTT2	NM_000854	c.G417A	p.M139I
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GSTZ1	NM_145870	c.G94A	p.E32K
GSTZ1	NM_001513	c.T80C	p.M27T
GSTZ1	NM_145870	c.T245C	p.M82T
GTDC1	NM_001006636	c.1315delT	p.W439fs
GTDC1	NM_001006636	c.G411T	p.M137I
GTDC1	NM_001284234	c.928delT	p.W310fs
GTDC1	NM_001284238	c.1219delT	p.W407fs
GTDC1	NM_024659	c.1060delT	p.W354fs
GTDC1	NM_001284234	c.G24T	p.M8I
GTF2A1L	NM_001193487	c.A673G	p.N225D
GTF2A1L	NM_006872	c.A722G	p.Y241C
GTF2A1L	NM_006872	c.A775G	p.N259D
GTF2E1	NM_005513	c.C734T	p.S245F
GTF2F1	NM_002096	c.C1020G	p.D340E
GTF2F1	NM_002096	c.C21A	p.S7R
GTF2H4	NM_001517	c.G1010A	p.R337Q
GTF2H4	NM_001517	c.121_122insAT	p.C41fs
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GTF3A	NM_002097	c.G733C	p.V245L
GTF3C1	NM_001286242	c.G4889A	p.R1630H
GTF3C1	NM_001286242	c.G5626A	p.E1876K
GTF3C1	NM_001286242	c.G6154A	p.E2052K
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GTF3C1	NM_001520	c.C5287T	p.R1763C
GTF3C1	NM_001520	c.C6142T	p.R2048W
GTF3C1	NM_001520	c.G6229A	p.E2077K
GTF3C1	NM_001520	c.T4865C	p.L1622S
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GTPBP10	NM_001042717	c.G255C	p.L85F
GTPBP10	NM_033107	c.A329G	p.N110S
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GTPBP3	NM_032620	c.C565T	p.R189C
GTPBP3	NM_133644	c.C356T	p.P119L
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GTPBP4	NM_012341	c.G1574A	p.R525H
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GTSE1	NM_016426	c.C1871G	p.A624G
GTSE1	NM_016426	c.C755T	p.A252V
GTSE1	NM_016426	c.G1022A	p.S341N
GTSE1	NM_016426	c.G166A	p.G56R
GTSE1	NM_016426	c.T1573C	p.W525R
GUCA1A	NM_000409	c.C149T	p.P50L
GUCA1C	NM_005459	c.A253G	p.M85V
GUCA1C	NM_005459	c.G214A	p.V72I
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GUCY1A3	NM_001130682	c.1074delA	p.K358fs
GUCY2D	NM_000180	c.C2101T	p.P701S
GUCY2D	NM_000180	c.G1984A	p.V662M
GUCY2D	NM_000180	c.T2345A	p.L782H
GUF1	NM_021927	c.G443T	p.S148I
GUF1	NM_021927	c.1391_1392insAAATC	p.S464fs
GUSB	NM_000181	c.G454A	p.D152N
GUSB	NM_001284290	c.T1508C	p.L503P
GUSB	NM_001293104	c.T1376C	p.L459P
GUSB	NM_001293105	c.T1289C	p.L430P
GUSB	NM_000181	c.T1946C	p.L649P
GXYLT2	NM_001080393	c.A356G	p.N119S
GYLTL1B	NM_001300721	c.C2047T	p.R683C

GYLTL1B	NM_001300721	c.G929A	p.R310H
GYLTL1B	NM_001300722	c.C1954T	p.R652C
GYLTL1B	NM_001300722	c.G1061C	p.G354A
GYLTL1B	NM_001300722	c.G836A	p.R279H
GYPB	NM_001304382	c.C65T	p.T22M
GYPB	NM_001304382	c.G173C	p.S58T
GYPB	NM_002100	c.C143T	p.T48M
GYPB	NM_002100	c.G251C	p.S84T
GYS1	NM_002103	c.C1436T	p.P479L
GYS2	NM_021957	c.A1087G	p.M363V
GYS2	NM_021957	c.A1636G	p.T546A
GYS2	NM_021957	c.G421A	p.G141S
GZF1	NM_022482	c.A824C	p.Q275P
GZF1	NM_022482	c.G1060A	p.G354S
GZMA	NM_006144	c.T362C	p.M121T
GZMB	NM_004131	c.G164A	p.R55Q
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GZMH	NM_001270781	c.G137A	p.R46Q
GZMM	NM_005317	c.C122T	p.A41V
H1FNT	NM_181788	c.C250G	p.R84G
H1FNT	NM_181788	c.C68T	p.A23V
H1FNT	NM_181788	c.C710T	p.S237F
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H1FOO	NM_153833	c.G16A	p.V6I
H1FOO	NM_153833	c.G445A	p.A149T
H3F3C	NM_001013699	c.A116C	p.H39P
H6PD	NM_001282587	c.A485C	p.D162A
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H6PD	NM_001282587	c.C433T	p.R145W
H6PD	NM_004285	c.A2132G	p.D711G
H6PD	NM_004285	c.A452C	p.D151A
H6PD	NM_004285	c.C1004T	p.P335L
H6PD	NM_004285	c.C1661T	p.P554L
H6PD	NM_004285	c.C400T	p.R134W
H6PD	NM_004285	c.G1333A	p.D445N
H6PD	NM_004285	c.G1556A	p.R519Q
H6PD	NM_001282587	c.26_27insCCCAGGCA	p.H9fs
HAAO	NM_012205	c.A109G	p.I37V
HAAO	NM_012205	c.C733T	p.R245C
HAAO	NM_012205	c.G797A	p.R266Q
HABP2	NM_001177660	c.G1099C	p.E367Q
HABP2	NM_004132	c.G1601A	p.G534E
HABP2	NM_004132	c.G95T	p.S32I
HACD4	NM_001010915	c.A106G	p.T36A
HACL1	NM_001284413	c.A370T	p.I124F
HACL1	NM_012260	c.A451T	p.I151F
HADH	NM_001184705	c.G456T	p.Q152H
HADH	NM_005327	c.T275G	p.F92C
HADH	NM_001184705	c.T257C	p.L86P
HADHB	NM_000183	c.C739T	p.R247C

HAGH	NM_001286249	c.G586A	p.A196T
HAL	NM_001258333	c.G691A	p.V231I
HAL	NM_001258334	c.G1315A	p.V439I
HAND2	NM_021973	c.G281A	p.G94E
HAO1	NM_017545	c.G410A	p.R137Q
HAO1	NM_017545	c.T688C	p.S230P
HAO2	NM_016527	c.G746A	p.R249K
HAP1	NM_001079870	c.A1435G	p.I479V
HAP1	NM_001079870	c.C1271T	p.T424M
HAP1	NM_001079870	c.C346T	p.R116W
HAP1	NM_001079870	c.G1759A	p.G587R
HAP1	NM_001079871	c.A11G	p.K4R
HAP1	NM_001079871	c.A1411G	p.I471V
HAP1	NM_001079871	c.C1247T	p.T416M
HAP1	NM_001079871	c.C1439T	p.A480V
HAP1	NM_001079871	c.T172A	p.S58T
HAP1	NM_177977	c.C1322T	p.T441M
HAP1	NM_177977	c.G1224T	p.L408F
HAP1	NM_001079870	c.C1473G	p.F491L
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HAP1	NM_177977	c.C1524G	p.F508L
HAPLN1	NM_001884	c.A842G	p.N281S
HAPLN2	NM_021817	c.C287T	p.P96L
HAPLN3	NM_178232	c.G469A	p.G157S
HAPLN3	NM_178232	c.G608A	p.R203Q
HAPLN3	NM_178232	c.T405A	p.D135E
HAPLN4	NM_023002	c.A836G	p.K279R
HARBI1	NM_173811	c.A593G	p.Q198R
HAS1	NM_001297436	c.C1286T	p.A429V
HAS1	NM_001297436	c.G1240A	p.V414M
HAS1	NM_001523	c.1546dupG	p.G516fs
HAS1	NM_001523	c.C1289T	p.A430V
HAS1	NM_001297436	c.1544delG	p.G515fs
HAS3	NM_138612	c.G518A	p.R173H
HAUS3	NM_024511	c.T1757C	p.I586T
HAUS5	NM_015302	c.A1739G	p.Q580R
HAUS5	NM_015302	c.C638T	p.P213L
HAUS6	NM_001270890	c.C1917G	p.H639Q
HAUS6	NM_017645	c.C2022G	p.H674Q
HAUS8	NM_001011699	c.C1193T	p.P398L
HAVCR1	NM_001099414	c.A619G	p.T207A
HAVCR1	NM_001099414	c.T536C	p.L179P
HAVCR2	NM_032782	c.A291G	p.I97M
HAVCR2	NM_032782	c.C302T	p.T101I
HAVCR2	NM_032782	c.G419T	p.R140L
HBB	NM_000518	c.A20T	p.E7V
HBM	NM_001003938	c.G355A	p.V119M
HBP1	NM_001244262	c.565_566insT	p.E189fs
HBP1	NM_012257	c.535_536insT	p.E179fs
HBQ1	NM_005331	c.C248T	p.A83V

HBS1L	NM_001145207	c.G384C	p.L128F
HCAR3	NM_006018	c.A517C	p.T173P
HCFC1R1	NM_001002017	c.C218A	p.P73Q
HCFC1R1	NM_001002018	c.C275A	p.P92Q
HCFC1R1	NM_001288667	c.C269A	p.P90Q
HCFC1R1	NM_001288668	c.C86A	p.P29Q
HCK	NM_001172129	c.A250T	p.M84L
HCK	NM_001172131	c.A247T	p.M83L
HCK	NM_001172132	c.A253T	p.M85L
HCK	NM_002110	c.A313T	p.M105L
HCLS1	NM_001292041	c.C608T	p.A203V
HCLS1	NM_001292041	c.G1051A	p.E351K
HCLS1	NM_001292041	c.G970A	p.E324K
HCLS1	NM_005335	c.C719T	p.A240V
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HCLS1	NM_001292041	c.A592G	p.T198A
HCLS1	NM_005335	c.A703G	p.T235A
HCN3	NM_020897	c.A206G	p.K69R
HCN3	NM_020897	c.C1889T	p.P630L
HCN3	NM_020897	c.G1192T	p.D398Y
HCN3	NM_020897	c.G2297A	p.R766Q
HCN3	NM_020897	c.G952T	p.A318S
HCN4	NM_005477	c.G3461A	p.R1154Q
HCRTR1	NM_001525	c.A1222G	p.I408V
HCRTR1	NM_001525	c.G277A	p.V93I
HCRTR2	NM_001526	c.C28T	p.P10S
HCRTR2	NM_001526	c.A922G	p.I308V
HDAC10	NM_001159286	c.1047delC	p.P349fs
HDAC10	NM_001159286	c.C1426T	p.R476W
HDAC10	NM_001159286	c.G1225A	p.V409I
HDAC10	NM_032019	c.1107delC	p.P369fs
HDAC10	NM_032019	c.A1757G	p.Q586R
HDAC10	NM_032019	c.C1486T	p.R496W
HDAC10	NM_032019	c.G1285A	p.V429I
HDAC10	NM_032019	c.G1630A	p.V544I
HDAC10	NM_032019	c.G647A	p.R216Q
HDAC5	NM_001015053	c.G1697C	p.G566A
HDAC7	NM_001098416	c.C1390T	p.R464W
HDAC7	NM_001098416	c.C1742T	p.S581L
HDAC7	NM_015401	c.C1312T	p.R438W
HDAC7	NM_015401	c.C1501T	p.R501W
HDAC7	NM_015401	c.C1853T	p.S618L
HDAC9	NM_001204147	c.G923A	p.G308E
HDC	NM_002112	c.A1932C	p.E644D
HDC	NM_002112	c.C92T	p.T31M
HDDC3	NM_001286451	c.C325T	p.P109S
HDGFL1	NM_138574	c.C260T	p.T87M
HDHD2	NM_032124	c.G254A	p.R85Q
HDHD3	NM_001304509	c.G437A	p.G146E

HDHD3	NM_001304510	c.A668T	p.D223V
HDLBP	NM_001243900	c.A1154G	p.N385S
HDLBP	NM_005336	c.A1253G	p.N418S
HDLBP	NM_005336	c.A82G	p.T28A
HEATR1	NM_018072	c.A1043G	p.H348R
HEATR1	NM_018072	c.A1079G	p.H360R
HEATR1	NM_018072	c.A1612G	p.I538V
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HEATR1	NM_018072	c.A5081G	p.N1694S
HEATR1	NM_018072	c.A5899G	p.N1967D
HEATR1	NM_018072	c.A6050G	p.E2017G
HEATR1	NM_018072	c.C4289T	p.A1430V
HEATR1	NM_018072	c.C5062G	p.P1688A
HEATR1	NM_018072	c.C5315T	p.P1772L
HEATR1	NM_018072	c.G1708A	p.G570R
HEATR1	NM_018072	c.G2651A	p.S884N
HEATR1	NM_018072	c.G4676A	p.S1559N
HEATR1	NM_018072	c.T5041G	p.F1681V
HEATR1	NM_018072	c.T5561C	p.V1854A
HEATR3	NM_182922	c.G1213A	p.G405R
HEATR4	NM_001220484	c.C712T	p.R238C
HEATR4	NM_001220484	c.G2512A	p.V838M
HEATR4	NM_001220484	c.G41A	p.C14Y
HEATR4	NM_001220484	c.G473A	p.R158Q
HEATR4	NM_203309	c.1533delG	p.R511fs
HEATR4	NM_203309	c.C334T	p.R112W
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HEATR5A	NM_015473	c.A3788C	p.N1263T
HEATR5A	NM_015473	c.G1108A	p.G370S
HEATR5A	NM_015473	c.G775A	p.A259T
HEATR5A	NM_015473	c.G797A	p.R266K
HEATR5A	NM_015473	c.T2558C	p.M853T
HEATR5A	NM_015473	c.G2656A	p.V886M
HEATR5B	NM_019024	c.G5477C	p.G1826A
HEATR6	NM_022070	c.C3017T	p.S1006L
HEATR9	NM_152781	c.A8G	p.Y3C
HEATR9	NM_152781	c.C1439T	p.S480F
HEATR9	NM_152781	c.G527A	p.R176H
HEBP1	NM_015987	c.G549C	p.E183D
HEBP2	NM_014320	c.A139C	p.K47Q
HEBP2	NM_014320	c.A253G	p.M85V
HECTD1	NM_015382	c.547delT	p.S183fs
HECTD2	NM_173497	c.G415A	p.V139I
HECTD2	NM_173497	c.T327A	p.D109E
HECTD3	NM_024602	c.G2446A	p.A816T
HECTD4	NM_001109662	c.G11651A	p.G3884E
HECW1	NM_001287059	c.G1210C	p.G404R

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HECW2	NM_001304840	c.G1214A	p.G405E
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HEG1	NM_020733	c.A2734T	p.T912S
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HEG1	NM_020733	c.G2938C	p.V980L
HEG1	NM_020733	c.T1805C	p.F602S
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HELB	NM_033647	c.C2897T	p.P966L
HELB	NM_033647	c.C2939T	p.T980I
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HELB	NM_033647	c.G514A	p.E172K
HELQ	NM_001297755	c.G916A	p.V306I
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HELZ	NM_014877	c.A4402G	p.I1468V
HELZ	NM_014877	c.C4589T	p.A1530V
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HELZ2	NM_001037335	c.C6047T	p.P2016L
HELZ2	NM_001037335	c.C6145G	p.Q2049E
HELZ2	NM_001037335	c.C6509T	p.T2170M
HELZ2	NM_001037335	c.C6821T	p.P2274L
HELZ2	NM_001037335	c.C851T	p.A284V
HELZ2	NM_001037335	c.G3550A	p.E1184K
HELZ2	NM_001037335	c.G3922T	p.V1308L
HELZ2	NM_001037335	c.G4955A	p.R1652Q
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HELZ2	NM_033405	c.C5114T	p.P1705L
HELZ2	NM_033405	c.G2215T	p.V739L
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HELZ2	NM_033405	c.G5374A	p.E1792K
HELZ2	NM_001037335	c.G2363A	p.S788N
HELZ2	NM_033405	c.G656A	p.S219N
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HEPACAM	NM_152722	c.A652G	p.M218V
HEPHL1	NM_001098672	c.G3064A	p.E1022K
HEPN1	NM_001037558	c.A182T	p.H61L
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HERC1	NM_003922	c.A3113C	p.K1038T
HERC1	NM_003922	c.A6658G	p.I2220V
HERC1	NM_003922	c.G11166C	p.E3722D
HERC1	NM_003922	c.G5087C	p.G1696A
HERC2	NM_004667	c.A13919G	p.H4640R
HERC2	NM_004667	c.C10424T	p.S3475F
HERC2	NM_004667	c.C5040G	p.S1680R
HERC2	NM_004667	c.G10969A	p.V3657I



HERC2	NM_004667	c.G511A	p.G171S
HERC2	NM_004667	c.T293C	p.L98P
HERC5	NM_016323	c.A1492G	p.M498V
HERC5	NM_016323	c.G905C	p.C302S
HERC6	NM_001165136	c.A2125C	p.M709L
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HES3	NM_001024598	c.A29G	p.N10S
HES4	NM_001142467	c.C413T	p.A138V
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HESX1	NM_003865	c.A374G	p.N125S
HEXB	NM_000521	c.A362G	p.K121R
HEXB	NM_000521	c.A619G	p.I207V
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HEXDC	NM_173620	c.584delT	p.L195fs
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HGSNAT	NM_152419	c.C1622T	p.S541L
HGSNAT	NM_152419	c.G1843A	p.A615T
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HHAT	NM_001170588	c.C917T	p.T306I
HHAT	NM_001170588	c.G350A	p.S117N
HHAT	NM_018194	c.G545A	p.S182N
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HHATL	NM_020707	c.A1207G	p.M403V
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HHIPL1	NM_032425	c.G834T	p.E278D
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HIBCH	NM_014362	c.T2C	p.M1T
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HIP1	NM_001243198	c.C775T	p.R259W
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HIPK3	NM_001278163	c.G509A	p.G170E
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HK2	NM_000189	c.G1393C	p.D465H
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HLA-C	NM_001243042	c.992_993insTT	p.M331fs
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HLA-DOB	NM_002120	c.C700T	p.L234F
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HLA-DRB1	NM_002124	c.G256A	p.D86N
HLA-DRB1	NM_002124	c.G534C	p.Q178H
HLA-DRB1	NM_002124	c.T790C	p.F264L
HLA-DRB1	NM_002124	c.A375T	p.Q125H

HLA-DRB5	NM_002125	c.C634G	p.P212A
HLA-DRB5	NM_002125	c.G161A	p.R54Q
HLA-DRB5	NM_002125	c.G256A	p.D86N
HLA-DRB5	NM_002125	c.G625C	p.V209L
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HLA-DRB5	NM_002125	c.A40G	p.K14E
HLA-DRB5	NM_002125	c.C780G	p.H260Q
HLA-DRB5	NM_002125	c.C790T	p.L264F
HLA-DRB5	NM_002125	c.G397T	p.A133S
HLA-E	NM_005516	c.G382A	p.G128R
HLA-F	NM_001098479	c.A1057C	p.N353H
HLA-F	NM_018950	c.C212A	p.P71Q
HLA-F	NM_001098479	c.C814T	p.P272S
HLA-G	NM_002127	c.459delC	p.D153fs
HLA-G	NM_002127	c.C400A	p.L134I
HLTF	NM_003071	c.A995G	p.Y332C
HLTF	NM_003071	c.G2456A	p.R819H
HLX	NM_021958	c.C1067T	p.P356L
HLX	NM_021958	c.C1160G	p.A387G
HLX	NM_021958	c.T1191A	p.S397R
HLX	NM_021958	c.T346C	p.S116P
HMBS	NM_000190	c.C736T	p.R246C
HMCN1	NM_031935	c.A13310G	p.Q4437R
HMCN1	NM_031935	c.A15260T	p.D5087V
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HMCN1	NM_031935	c.A8678G	p.E2893G
HMCN1	NM_031935	c.C12250T	p.H4084Y
HMCN1	NM_031935	c.C3695T	p.T1232M
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HMG20B	NM_006339	c.A625G	p.M209V
HMG2A	NM_003484	c.A307G	p.K103E
HMG2B4	NM_145205	c.A275C	p.E92A
HMGCL	NM_001166059	c.640dupC	p.L214fs
HMGCLL1	NM_001042406	c.577_578insGAAG	p.G193fs
HMGCLL1	NM_019036	c.667_668insGAAG	p.G223fs
HMGCR	NM_000859	c.A1912G	p.I638V
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HMGXB4	NM_001003681	c.G494T	p.G165V
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HMHA1	NM_001258328	c.G3322A	p.G1108S
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HMHA1	NM_001282334	c.A220G	p.S74G
HMHA1	NM_001282335	c.A964G	p.S322G
HMHA1	NM_012292	c.A1315G	p.S439G
HMHA1	NM_012292	c.A777T	p.E259D
HMHA1	NM_012292	c.G1545A	p.M515I

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HMHA1	NM_001282335	c.A426T	p.E142D
HMHB1	NM_021182	c.C46T	p.H16Y
HMMR	NM_001142556	c.C1454T	p.A485V
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HNF1A	NM_000545	c.G1460A	p.S487N
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HNF4G	NM_004133	c.G86A	p.S29N
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HNRNPH3	NM_012207	c.G851C	p.G284A
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HOMER3	NM_001145724	c.C760T	p.R254C
HOMEZ	NM_020834	c.G1505A	p.R502Q
HOMEZ	NM_020834	c.G904A	p.A302T
HOOK1	NM_015888	c.A322G	p.I108V
HOOK2	NM_001100176	c.C1464G	p.H488Q
HOOK2	NM_001100176	c.G1963A	p.E655K

HOOK2	NM_001100176	c.G28A	p.G10R
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HOPX	NM_001145460	c.G169A	p.E57K
HORMAD1	NM_001199829	c.C779T	p.T260I
HORMAD1	NM_032132	c.C800T	p.T267I
HORMAD2	NM_152510	c.G782A	p.G261D
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HOXB1	NM_002144	c.A309T	p.Q103H
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HOXC4	NM_014620	c.A400G	p.I134V
HOXC6	NM_004503	c.C199T	p.R67W
HOXD1	NM_024501	c.G886A	p.A296T
HOXD12	NM_021193	c.G418A	p.A140T
HOXD4	NM_014621	c.A242T	p.E81V
HOXD4	NM_014621	c.T367C	p.S123P
HP1BP3	NM_016287	c.A1546C	p.I516L
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HPD	NM_002150	c.T15G	p.S5R
HPR	NM_020995	c.C80T	p.T27M
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HP55	NM_181508	c.C2951T	p.T984I
HP55	NM_181508	c.G2704A	p.E902K
HP5E	NM_001098540	c.A920G	p.K307R
HP5E	NM_001199830	c.A746G	p.K249R
HP5E2	NM_001166244	c.A1562T	p.Y521F
HP5E2	NM_001166245	c.A1400T	p.Y467F
HP5E2	NM_001166246	c.T631C	p.Y211H
HP5E2	NM_021828	c.A1736T	p.Y579F
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HR	NM_005144	c.A3064G	p.T1022A
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HR	NM_005144	c.C2992T	p.R998W
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HRAS	NM_001130442	c.G506A	p.R169Q
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HRASLS5	NM_001146729	c.G247C	p.A83P
HRC	NM_002152	c.G128A	p.S43N
HRC	NM_002152	c.G151A	p.E51K
HRC	NM_002152	c.G1807A	p.E603K
HRC	NM_002152	c.T286G	p.S96A
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HRCT1	NM_001039792	c.G161A	p.R54H
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HRCT1	NM_001039792	c.G340A	p.A114T
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HRG	NM_000412	c.G1306A	p.G436R
HRG	NM_000412	c.T539C	p.I180T
HRH1	NM_001098213	c.T1087C	p.S363P
HRH4	NM_001143828	c.A353G	p.H118R
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HS1BP3	NM_022460	c.C316T	p.R106W
HS1BP3	NM_022460	c.G778A	p.V260M
HS3ST2	NM_006043	c.T115G	p.C39G
HS3ST4	NM_006040	c.A572G	p.D191G

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HSD17B1	NM_000413	c.C713T	p.A238V
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HSDL1	NM_001146051	c.C815G	p.S272C
HSDL1	NM_031463	c.C980G	p.S327C
HSF1	NM_005526	c.C1376T	p.P459L
HSF4	NM_001040667	c.A1414G	p.I472V
HSF4	NM_001040667	c.G636T	p.M212I
HSF5	NM_001080439	c.C1592T	p.P531L
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HTR1F	NM_000866	c.G136A	p.A46T
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HTR3D	NM_182537	c.G107C	p.G36A
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HUNK	NM_014586	c.C1771T	p.R591C
HUS1	NM_004507	c.C439A	p.Q147K
HUS1B	NM_148959	c.A602G	p.Q201R
HUS1B	NM_148959	c.C390A	p.H130Q
HUS1B	NM_148959	c.G802T	p.D268Y
HVCN1	NM_032369	c.G273A	p.M91I
HYAL1	NM_033159	c.G766A	p.G256R
HYAL1	NM_153282	c.C1085T	p.T362M
HYAL2	NM_003773	c.A1252C	p.I418L
HYAL2	NM_033158	c.T52G	p.S18A
HYAL3	NM_001200029	c.C337T	p.H113Y
HYAL3	NM_001200029	c.G575A	p.R192Q
HYAL3	NM_001200029	c.G940A	p.A314T
HYAL3	NM_001200031	c.G193A	p.A65T
HYAL3	NM_003549	c.C679T	p.R227C
HYAL4	NM_012269	c.A1G	p.M1V
HYAL4	NM_012269	c.G1036T	p.A346S
HYDIN	NM_001198543	c.T95C	p.M32T

HYDIN	NM_001270974	c.A6917G	p.E2306G
HYDIN	NM_001270974	c.A8981G	p.E2994G
HYDIN	NM_001270974	c.C4475A	p.P1492H
HYDIN	NM_001270974	c.G14620A	p.A4874T
HYDIN	NM_001270974	c.T44C	p.M15T
HYI	NM_001190880	c.A287G	p.Y96C
HYI	NM_001190880	c.T52C	p.S18P
HYKK	NM_001013619	c.A1027G	p.K343E
HYPK	NM_016400	c.T313C	p.S105P
IARS	NM_002161	c.A3544G	p.K1182E
IARS	NM_002161	c.G1322A	p.R441Q
IBA57	NM_001010867	c.G631A	p.G211S
IBSP	NM_004967	c.A638G	p.D213G
IBSP	NM_004967	c.A810T	p.E270D
IBSP	NM_004967	c.G584A	p.G195E
ICA1L	NM_001288623	c.T1209A	p.F403L
ICAM1	NM_000201	c.A1405G	p.K469E
ICAM1	NM_000201	c.A167T	p.K56M
ICAM1	NM_000201	c.C1055T	p.P352L
ICAM1	NM_000201	c.C1162T	p.R388W
ICAM1	NM_000201	c.C1372T	p.R458W
ICAM1	NM_000201	c.C1432T	p.R478W
ICAM1	NM_000201	c.G721A	p.G241R
ICAM3	NM_002162	c.A343G	p.R115G
ICAM3	NM_002162	c.G1574C	p.S525T
ICAM3	NM_002162	c.G1619T	p.G540V
ICAM5	NM_003259	c.G1042A	p.A348T
ICAM5	NM_003259	c.G1984A	p.A662T
ICE1	NM_015325	c.A1328G	p.E443G
ICE1	NM_015325	c.A3160G	p.T1054A
ICE1	NM_015325	c.C1073T	p.P358L
ICE1	NM_015325	c.G1172C	p.C391S
ICE1	NM_015325	c.G2701A	p.V901I
ICE1	NM_015325	c.G3173A	p.G1058D
ICE2	NM_001018089	c.G724A	p.E242K
ICE2	NM_024611	c.G1135A	p.E379K
ICK	NM_014920	c.G958A	p.V320I
ICOS	NM_012092	c.G451C	p.V151L
ICOSLG	NM_001283050	c.G382A	p.V128I
ICOSLG	NM_001283052	c.G127A	p.V43I
ICT1	NM_001303265	c.C365T	p.T122M
ID3	NM_002167	c.A313G	p.T105A
ID3	NM_002167	c.G83A	p.R28Q
IDH1	NM_001282386	c.A565G	p.I189V
IDH1	NM_001282386	c.G532A	p.V178I
IDH1	NM_001282387	c.A548G	p.Y183C
IDH2	NM_001289910	c.C1148T	p.T383M
IDH2	NM_001289910	c.G517A	p.D173N
IDH2	NM_001290114	c.C914T	p.T305M
IDH2	NM_002168	c.C1304T	p.T435M

IDH2	NM_002168	c.G673A	p.D225N
IDNK	NM_001001551	c.523_524insAG	p.E175fs
IDNK	NM_001256915	c.385_386insAG	p.E129fs
IDO1	NM_002164	c.G10A	p.A4T
IDO1	NM_002164	c.G230A	p.R77H
IDO2	NM_194294	c.T754A	p.S252T
IDUA	NM_000203	c.G1081A	p.A361T
IDUA	NM_000203	c.G314A	p.R105Q
IDUA	NM_000203	c.G346A	p.G116R
IDUA	NM_000203	c.G979C	p.A327P
IER2	NM_004907	c.G571A	p.A191T
IER3	NM_003897	c.G379C	p.A127P
IFFO1	NM_001193457	c.C1655T	p.P552L
IFI16	NM_001206567	c.A2167T	p.T723S
IFI16	NM_001206567	c.C1325T	p.T442I
IFI16	NM_001206567	c.C1057A	p.R353S
IFI16	NM_001206567	c.T1069A	p.Y357N
IFI16	NM_005531	c.C1225A	p.R409S
IFI16	NM_005531	c.G536C	p.S179T
IFI16	NM_005531	c.T1237A	p.Y413N
IFI30	NM_006332	c.C179T	p.P60L
IFI30	NM_006332	c.G227A	p.R76Q
IFI35	NM_005533	c.535delG	p.G179fs
IFI35	NM_005533	c.A382G	p.M128V
IFI44	NM_006417	c.T25C	p.W9R
IFI44L	NM_006820	c.A218G	p.H73R
IFI44L	NM_006820	c.C886T	p.R296C
IFI44L	NM_006820	c.G1170T	p.M390I
IFI44L	NM_006820	c.G649A	p.V217I
IFI44L	NM_006820	c.T704C	p.I235T
IFIH1	NM_022168	c.A2528G	p.H843R
IFIH1	NM_022168	c.G2459A	p.R820H
IFIH1	NM_022168	c.G2836A	p.A946T
IFIT2	NM_001547	c.A236C	p.E79A
IFIT2	NM_001547	c.A362G	p.K121R
IFIT2	NM_001547	c.C1056A	p.D352E
IFIT3	NM_001031683	c.G1054C	p.V352L
IFIT5	NM_012420	c.C196G	p.Q66E
IFITM2	NM_006435	c.A361G	p.I121V
IFITM2	NM_006435	c.T98C	p.V33A
IFNA16	NM_002173	c.A139G	p.I47V
IFNA16	NM_002173	c.T194A	p.V65E
IFNA17	NM_021268	c.170dupA	p.H57fs
IFNA21	NM_002175	c.A470C	p.K157T
IFNAR1	NM_000629	c.G502C	p.V168L
IFNAR2	NM_000874	c.T28G	p.F10V
IFNAR2	NM_001289125	c.T23C	p.F8S
IFNGR2	NM_005534	c.A191G	p.Q64R
IFNGR2	NM_005534	c.A466C	p.I156L
IFNGR2	NM_005534	c.C173G	p.T58R

IFNGR2	NM_005534	c.C779T	p.S260L
IFNK	NM_020124	c.31_32insTGTT	p.C11fs
IFNK	NM_020124	c.A263G	p.Y88C
IFNL1	NM_172140	c.A562G	p.N188D
IFNL2	NM_172138	c.A334G	p.T112A
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IFNL3	NM_172139	c.A209G	p.K70R
IFNL3	NM_172139	c.C91T	p.L31F
IFNW1	NM_002177	c.A247G	p.M83V
IFRD1	NM_001197080	c.C484G	p.L162V
IFRD2	NM_006764	c.G1022A	p.R341Q
IFRD2	NM_006764	c.G1505A	p.R502Q
IFT122	NM_001280541	c.G2036A	p.R679Q
IFT122	NM_001280545	c.C823T	p.R275W
IFT122	NM_001280545	c.G1610A	p.R537Q
IFT122	NM_001280546	c.C646T	p.R216W
IFT122	NM_001280546	c.G1433A	p.R478Q
IFT122	NM_018262	c.G648T	p.K216N
IFT140	NM_014714	c.C3209T	p.A1070V
IFT140	NM_014714	c.G1084A	p.G362R
IFT140	NM_014714	c.G1565A	p.G522E
IFT140	NM_014714	c.G1727A	p.R576Q
IFT140	NM_014714	c.G322A	p.V108M
IFT172	NM_015662	c.G2723A	p.R908Q
IFT172	NM_015662	c.G2858A	p.R953H
IFT22	NM_022777	c.T184C	p.W62R
IFT43	NM_052873	c.G280A	p.D94N
IFT46	NM_001168618	c.541dupA	p.T181fs
IFT46	NM_001168618	c.C301G	p.P101A
IFT46	NM_001168618	c.C79T	p.R27W
IFT46	NM_001168618	c.G26A	p.C9Y
IFT46	NM_020153	c.694dupA	p.T232fs
IFT57	NM_018010	c.A1232G	p.N411S
IFT74	NM_001099222	c.A165G	p.I55M
IFT74	NM_001099224	c.T670C	p.F224L
IFT80	NM_001190241	c.A1345T	p.T449S
IFT80	NM_020800	c.A1756T	p.T586S
IFT81	NM_001143779	c.A65C	p.N22T
IFT88	NM_006531	c.G1337A	p.S446N
IFT88	NM_175605	c.G1364A	p.S455N
IFT88	NM_175605	c.G1663A	p.A555T
IGDCC3	NM_004884	c.G2251T	p.V751L
IGDCC4	NM_020962	c.C233A	p.T78N
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IGDCC4	NM_020962	c.G1450A	p.D484N
IGDCC4	NM_020962	c.G154C	p.A52P
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IGDCC4	NM_020962	c.G409A	p.V137I
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IGF1R	NM_000875	c.A1336G	p.M446V
IGF1R	NM_000875	c.G1310A	p.R437H
IGF2BP1	NM_006546	c.T795A	p.H265Q
IGF2R	NM_000876	c.A6059G	p.N2020S
IGF2R	NM_000876	c.C1997T	p.P666L
IGF2R	NM_000876	c.C6923T	p.A2308V
IGF2R	NM_000876	c.C745T	p.R249W
IGF2R	NM_000876	c.C754G	p.L252V
IGF2R	NM_000876	c.A4855G	p.R1619G
IGFALS	NM_001146006	c.326delG	p.G109fs
IGFALS	NM_004970	c.212delG	p.G71fs
IGFALS	NM_004970	c.C860T	p.P287L
IGFBP1	NM_000596	c.A759G	p.I253M
IGFBP1	NM_000596	c.G25T	p.V9F
IGFBP5	NM_000599	c.C634T	p.R212C
IGFBP6	NM_002178	c.G559A	p.V187M
IGFL1	NM_198541	c.G70A	p.G24R
IGFLR1	NM_024660	c.A158G	p.D53G
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IGFN1	NM_001164586	c.C1019G	p.A340G
IGFN1	NM_001164586	c.C10654T	p.H3552Y
IGFN1	NM_001164586	c.C2630T	p.T877M
IGFN1	NM_001164586	c.C9207A	p.S3069R
IGFN1	NM_001164586	c.C922A	p.P308T
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IGHMBP2	NM_002180	c.2354delG	p.R785fs
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IGHMBP2	NM_002180	c.A823G	p.I275V
IGHMBP2	NM_002180	c.C1193T	p.A398V
IGHMBP2	NM_002180	c.C151G	p.Q51E
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IGHMBP2	NM_002180	c.C2636A	p.T879K
IGHMBP2	NM_002180	c.G165C	p.Q55H
IGHMBP2	NM_002180	c.T602C	p.L201S
IGLL1	NM_020070	c.C437T	p.T146M



IGLL1	NM_020070	c.C443T	p.T148I
IGLL1	NM_020070	c.G97A	p.V33M
IGSF10	NM_001178145	c.G1921A	p.D641N
IGSF10	NM_001178146	c.G1777A	p.D593N
IGSF10	NM_178822	c.A1046G	p.N349S
IGSF10	NM_178822	c.A3712G	p.T1238A
IGSF10	NM_178822	c.A3931G	p.I1311V
IGSF10	NM_178822	c.A5405T	p.D1802V
IGSF10	NM_178822	c.C1382T	p.P461L
IGSF10	NM_178822	c.C1711T	p.P571S
IGSF10	NM_178822	c.C2237G	p.P746R
IGSF10	NM_178822	c.G1720A	p.E574K
IGSF10	NM_178822	c.T3595G	p.S1199A
IGSF10	NM_178822	c.T448G	p.Y150D
IGSF11	NM_001015887	c.G1163A	p.S388N
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IGSF11	NM_001015887	c.C115A	p.P39T
IGSF21	NM_032880	c.T688C	p.S230P
IGSF22	NM_173588	c.A1675G	p.M559V
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IGSF22	NM_173588	c.C1817T	p.P606L
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IGSF5	NM_001080444	c.C1050A	p.D350E
IGSF5	NM_001080444	c.C508T	p.R170W
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IGSF8	NM_052868	c.G1400A	p.R467Q
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IHH	NM_002181	c.C857T	p.P286L
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IK	NM_006083	c.A929G	p.K310R
IKBIP	NM_153687	c.G757A	p.E253K
IKBIP	NM_201612	c.G793A	p.G265S
IKBKAP	NM_003640	c.A2446C	p.I816L
IKBKAP	NM_003640	c.A2855T	p.K952I
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IKBKAP	NM_003640	c.G1574A	p.R525Q
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IKBKAP	NM_003640	c.T3214A	p.C1072S
IKBKE	NM_001193321	c.C1883T	p.P628L
IKBKE	NM_001193321	c.G856A	p.A286T
IKBKE	NM_001193322	c.G1111A	p.A371T
IKBKE	NM_001193322	c.T1946G	p.L649R
IKBKE	NM_014002	c.C2138T	p.P713L
IKZF3	NM_001257408	c.G599C	p.G200A
IKZF3	NM_183228	c.G533C	p.G178A
IKZF3	NM_183230	c.G701C	p.G234A
IKZF4	NM_022465	c.G71A	p.R24Q
IL10RA	NM_001558	c.A1051G	p.R351G
IL10RA	NM_001558	c.A475G	p.S159G
IL10RA	NM_001558	c.A670G	p.I224V
IL10RA	NM_001558	c.C1259T	p.S420L
IL10RB	NM_000628	c.A139G	p.K47E
IL11RA	NM_001142784	c.G782A	p.R261H
IL12B	NM_002187	c.G892T	p.V298F
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IL12RB1	NM_001290023	c.G1132C	p.G378R
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IL12RB1	NM_001290024	c.G1252C	p.G418R
IL12RB1	NM_001290024	c.G587A	p.R196H
IL12RB1	NM_001290024	c.T1214C	p.M405T
IL12RB1	NM_005535	c.G271A	p.A91T
IL12RB2	NM_001258215	c.C1835T	p.T612M
IL12RB2	NM_001258215	c.G1278C	p.Q426H
IL12RB2	NM_001258215	c.G1394A	p.G465D
IL12RB2	NM_001258216	c.G955A	p.E319K
IL13	NM_002188	c.C179T	p.P60L
IL13	NM_002188	c.C236A	p.A79E
IL13	NM_002188	c.A431G	p.Q144R
IL15RA	NM_001243539	c.A437C	p.N146T
IL15RA	NM_001256765	c.G394A	p.V132I
IL15RA	NM_002189	c.A545C	p.N182T
IL15RA	NM_002189	c.G136A	p.V46I
IL15RA	NM_172200	c.A446C	p.N149T
IL16	NM_001172128	c.C1300T	p.P434S
IL16	NM_001172128	c.T3441G	p.N1147K
IL16	NM_172217	c.G1526A	p.R509H
IL17B	NM_014443	c.500delC	p.A167fs
IL17B	NM_014443	c.118_119insCTGGCCC	p.P40fs
IL17B	NM_014443	c.C454T	p.R152C
IL17C	NM_013278	c.173delG	p.W58fs

IL17C	NM_013278	c.G94A	p.G32S
IL17F	NM_052872	c.A377G	p.E126G
IL17F	NM_052872	c.A482G	p.H161R
IL17F	NM_052872	c.G463A	p.V155I
IL17RA	NM_001289905	c.C1583A	p.P528Q
IL17RA	NM_001289905	c.C998T	p.A333V
IL17RA	NM_014339	c.C1100T	p.A367V
IL17RB	NM_018725	c.A1373G	p.N458S
IL17RB	NM_018725	c.G529A	p.G177R
IL17RC	NM_001203263	c.C1010T	p.P337L
IL17RC	NM_001203265	c.A1672G	p.S558G
IL17RC	NM_001203265	c.C1709T	p.A570V
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IL17RC	NM_001203265	c.G1775A	p.R592Q
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IL17RC	NM_032732	c.C965T	p.P322L
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IL17RC	NM_001203263	c.A920G	p.Q307R
IL17RC	NM_153461	c.A1133G	p.Q378R
IL17RD	NM_017563	c.C764T	p.T255M
IL17RD	NM_017563	c.G901A	p.V301M
IL17RE	NM_001193380	c.G1417A	p.G473R
IL17RE	NM_001193380	c.G881A	p.R294H
IL17REL	NM_001001694	c.C881T	p.P294L
IL17REL	NM_001001694	c.T998C	p.L333P
IL18BP	NM_001039660	c.A440G	p.N147S
IL18RAP	NM_003853	c.A407G	p.D136G
IL19	NM_013371	c.T524C	p.F175S
IL19	NM_153758	c.T638C	p.F213S
IL1A	NM_000575	c.G340T	p.A114S
IL1F10	NM_032556	c.T131C	p.I44T
IL1F10	NM_173161	c.C152A	p.A51D
IL1R1	NM_000877	c.C371G	p.A124G
IL1R2	NM_001261419	c.C186G	p.S62R
IL1R2	NM_001261419	c.G541A	p.E181K
IL1R2	NM_004633	c.T932C	p.I311T
IL1RL1	NM_003856	c.C233A	p.A78E
IL1RL1	NM_003856	c.G643A	p.G215R
IL1RL1	NM_003856	c.G646A	p.A216T
IL1RL1	NM_016232	c.1500delC	p.L500fs
IL1RL1	NM_016232	c.A1502G	p.Q501R
IL1RL1	NM_016232	c.C1646T	p.T549I
IL1RL1	NM_016232	c.C239T	p.A80V
IL1RL1	NM_016232	c.G1297A	p.A433T
IL1RL1	NM_016232	c.T1652C	p.L551S
IL1RL2	NM_003854	c.T1649C	p.L550P
IL20RA	NM_001278722	c.C997T	p.L333F
IL20RA	NM_001278724	c.C745T	p.L249F

IL20RA	NM_014432	c.C1144T	p.L382F
IL21R	NM_181079	c.G890A	p.R297Q
IL22RA1	NM_021258	c.C1552G	p.R518G
IL22RA1	NM_021258	c.G1313A	p.G438E
IL22RA1	NM_021258	c.G613A	p.V205I
IL22RA1	NM_021258	c.G871A	p.G291S
IL22RA2	NM_181309	c.T47C	p.L16P
IL23R	NM_144701	c.G1084A	p.V362I
IL23R	NM_144701	c.G1142A	p.R381Q
IL23R	NM_144701	c.G9T	p.Q3H
IL23R	NM_144701	c.T929C	p.L310P
IL24	NM_001185156	c.T373C	p.Y125H
IL24	NM_006850	c.T370C	p.Y124H
IL25	NM_022789	c.G521A	p.R174H
IL27	NM_145659	c.T356C	p.L119P
IL27RA	NM_004843	c.T563C	p.L188P
IL2RA	NM_000417	c.T72G	p.C24W
IL2RB	NM_000878	c.A688G	p.R230G
IL2RB	NM_000878	c.C1109T	p.P370L
IL2RB	NM_000878	c.C1130G	p.A377G
IL2RB	NM_000878	c.C1173A	p.D391E
IL2RB	NM_000878	c.G235A	p.V79M
IL2RB	NM_000878	c.T1652C	p.V551A
IL31RA	NM_001242636	c.G1529A	p.S510N
IL31RA	NM_001242636	c.G502A	p.D168N
IL31RA	NM_001242637	c.A307G	p.N103D
IL31RA	NM_001242637	c.G1586A	p.S529N
IL31RA	NM_001242637	c.G559A	p.D187N
IL31RA	NM_001242639	c.G1160A	p.S387N
IL32	NM_001012636	c.C173T	p.P58L
IL34	NM_001172771	c.G581C	p.S194T
IL34	NM_001172771	c.T169C	p.Y57H
IL36A	NM_014440	c.A35G	p.Q12R
IL36A	NM_014440	c.A443T	p.N148I
IL36B	NM_014438	c.A328G	p.I110V
IL36B	NM_173178	c.A271G	p.I91V
IL36B	NM_173178	c.C299A	p.A100E
IL36RN	NM_012275	c.C338T	p.S113L
IL37	NM_173204	c.C203T	p.P68L
IL37	NM_173204	c.G532A	p.D178N
IL37	NM_173205	c.C245T	p.P82L
IL37	NM_173205	c.G574A	p.D192N
IL4I1	NM_152899	c.G1588A	p.V530M
IL4R	NM_000418	c.A1199C	p.E400A
IL4R	NM_000418	c.A1727G	p.Q576R
IL4R	NM_000418	c.A223G	p.I75V
IL4R	NM_000418	c.T1291C	p.C431R
IL4R	NM_000418	c.T1507C	p.S503P
IL4R	NM_001257406	c.C1307T	p.S436L
IL4R	NM_001257407	c.A1682G	p.Q561R

IL4R	NM_001257407	c.A178G	p.I60V
IL4R	NM_001257407	c.C1262T	p.S421L
IL4R	NM_001257407	c.T1246C	p.C416R
IL4R	NM_001257407	c.T1462C	p.S488P
IL4R	NM_001257407	c.T2311C	p.S771P
IL4R	NM_001257997	c.A1247G	p.Q416R
IL4R	NM_001257997	c.C26T	p.T9M
IL4R	NM_001257997	c.C680T	p.S227L
IL4R	NM_001257997	c.C827T	p.S276L
IL4R	NM_001257997	c.T1027C	p.S343P
IL5RA	NM_000564	c.A385G	p.I129V
IL6	NM_000600	c.T486A	p.D162E
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IL6ST	NM_001190981	c.C1189G	p.L397V
IL6ST	NM_001190981	c.G1312A	p.V438I
IL6ST	NM_002184	c.G1495A	p.V499I
IL7R	NM_002185	c.A1066G	p.I356V
IL7R	NM_002185	c.C731T	p.T244I
IL7R	NM_002185	c.G412A	p.V138I
IL7R	NM_002185	c.T197C	p.I66T
IL9	NM_000590	c.C350T	p.T117M
ILD1R1	NM_001199799	c.C791G	p.P264R
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ILD1R1	NM_001199800	c.C524G	p.P175R
ILD1R1	NM_001199800	c.G307A	p.A103T
ILD1R1	NM_001199800	c.T892C	p.S298P
ILD1R1	NM_175924	c.C659G	p.P220R
ILD1R1	NM_175924	c.T1027C	p.S343P
ILD1R2	NM_199351	c.G604A	p.V202I
ILF3	NM_001137673	c.C1463T	p.A488V
ILVBL	NM_006844	c.548_549insTGCGG	p.R183fs
ILVBL	NM_006844	c.C179T	p.A60V
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IMMT	NM_001100169	c.C370T	p.P124S
IMP4	NM_033416	c.A772G	p.I258V
IMP4	NM_033416	c.G79A	p.E27K
IMPA2	NM_014214	c.G443A	p.R148Q
IMPACT	NM_018439	c.T375A	p.D125E
IMPACT	NM_018439	c.C451G	p.L151V
IMPAD1	NM_017813	c.G964A	p.E322K
IMPDH1	NM_183243	c.G1000A	p.A334T
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IMPG1	NM_001282368	c.G1898A	p.R633H
IMPG1	NM_001282368	c.G2048A	p.S683N
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IMPG1	NM_001563	c.C2110T	p.R704W
IMPG1	NM_001563	c.G173A	p.R58K
IMPG1	NM_001563	c.G2132A	p.R711H
IMPG1	NM_001563	c.G2282A	p.S761N
IMPG1	NM_001563	c.G631A	p.D211N

IMPG2	NM_016247	c.C2021T	p.T674I
INA	NM_032727	c.A1291C	p.I431L
INADL	NM_176877	c.A1085C	p.E362A
INADL	NM_176877	c.A1198G	p.I400V
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INADL	NM_176877	c.G3532A	p.G1178S
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INADL	NM_176877	c.G4078C	p.V1360L
INADL	NM_176877	c.G907A	p.G303R
INCA1	NM_001167986	c.20delG	p.G7fs
INF2	NM_001031714	c.C2458T	p.R820W
INF2	NM_001031714	c.G2999A	p.S1000N
INF2	NM_001031714	c.G409A	p.V137M
INF2	NM_022489	c.G3221A	p.R1074K
INF2	NM_022489	c.G3478A	p.G1160S
ING5	NM_032329	c.C152T	p.S51F
INHA	NM_002191	c.G769A	p.A257T
INHBC	NM_005538	c.G965A	p.R322Q
INMT	NM_001199219	c.A137C	p.H46P
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INMT	NM_001199219	c.A653G	p.E218G
INMT	NM_001199219	c.G82A	p.D28N
INMT	NM_006774	c.A613G	p.M205V
INMT	NM_006774	c.A656G	p.E219G
INO80B	NM_031288	c.G22A	p.G8R
INO80C	NM_001098817	c.G620A	p.R207Q
INO80C	NM_194281	c.G512A	p.R171Q
INO80D	NM_017759	c.A1813G	p.N605D
INO80D	NM_017759	c.C1073T	p.A358V
INO80D	NM_017759	c.G896A	p.R299Q
INPP4A	NM_004027	c.C2213T	p.P738L
INPP4B	NM_003866	c.T1781C	p.V594A
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INPP5E	NM_019892	c.C1132T	p.R378C
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INSC	NM_001042536	c.G124A	p.E42K
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INSL4	NM_002195	c.G86A	p.R29K
INSL5	NM_005478	c.G287C	p.G96A
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INSR	NM_000208	c.C2117A	p.A706D
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INSRR	NM_014215	c.C205T	p.R69C
INSRR	NM_014215	c.C2783T	p.P928L
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INSRR	NM_014215	c.G3646A	p.G1216S
INSRR	NM_014215	c.T736C	p.C246R
INTS1	NM_001080453	c.C6223T	p.R2075W
INTS1	NM_001080453	c.G1547C	p.C516S
INTS1	NM_001080453	c.G3382A	p.V1128M
INTS1	NM_001080453	c.T6248G	p.F2083C
INTS12	NM_020395	c.G1115T	p.G372V
INTS2	NM_020748	c.A3380G	p.Q1127R
INTS8	NM_017864	c.A2263C	p.S755R
INTU	NM_015693	c.G2669C	p.W890S
INTU	NM_015693	c.T2074G	p.C692G
INVS	NM_014425	c.C2803T	p.H935Y
INVS	NM_014425	c.G2402A	p.G801E
INVS	NM_014425	c.G913A	p.V305I
IP6K2	NM_001190316	c.A410G	p.D137G
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IP6K3	NM_001142883	c.G934A	p.V312I
IP6K3	NM_054111	c.A1133C	p.Y378S
IP6K3	NM_054111	c.C467T	p.S156L
IPO4	NM_024658	c.C1738G	p.P580A
IPO4	NM_024658	c.C2293T	p.R765C
IPO8	NM_001190995	c.A1303G	p.I435V
IPO8	NM_006390	c.G2636A	p.R879K
IPP	NM_001145349	c.A791G	p.K264R
IPPK	NM_022755	c.A1391G	p.K464R
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IQCA1	NM_001270585	c.A1376G	p.K459R
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IQCB1	NM_001023570	c.A1549T	p.N517Y
IQCB1	NM_001023570	c.G1301A	p.C434Y
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IQCC	NM_001160042	c.G1340A	p.R447Q
IQCC	NM_001160042	c.G890A	p.C297Y
IQCC	NM_001160042	c.T866G	p.F289C
IQCC	NM_018134	c.G650A	p.C217Y
IQCC	NM_018134	c.T626G	p.F209C
IQCE	NM_001287499	c.C1637T	p.A546V
IQCE	NM_001287499	c.G1904A	p.R635K
IQCE	NM_001287500	c.C1483T	p.R495C
IQCE	NM_001287500	c.C1589T	p.A530V
IQCE	NM_001287500	c.G1856A	p.R619K
IQCE	NM_001287501	c.C1442T	p.A481V
IQCE	NM_001287501	c.C1874T	p.T625M
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IQCE	NM_152558	c.C2069T	p.T690M
IQCE	NM_152558	c.G212A	p.R71Q
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IQCE	NM_001287502	c.704_705insTGTCCTCCGGAG	p.S235fs
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IQCF1	NM_152397	c.G428A	p.R143H
IQCF2	NM_203424	c.G11A	p.R4Q
IQCG	NM_001134435	c.C335A	p.A112D
IQCG	NM_001134435	c.G529C	p.D177H
IQCH	NM_001284347	c.G1650A	p.M550I
IQCH	NM_001284347	c.T991C	p.Y331H
IQCH	NM_001284348	c.G1662A	p.M554I
IQCH	NM_001284348	c.T1003C	p.Y335H
IQCK	NM_001305121	c.A310C	p.I104L
IQCK	NM_001305122	c.A574C	p.I192L
IQGAP1	NM_003870	c.T766G	p.S256A
IQGAP2	NM_001285460	c.A2020G	p.I674V
IQGAP2	NM_001285461	c.A658G	p.I220V
IQGAP2	NM_001285461	c.C1169T	p.T390I
IQGAP2	NM_006633	c.A2170G	p.I724V
IQGAP2	NM_006633	c.C2681T	p.T894I
IQGAP2	NM_001285460	c.T1431G	p.D477E
IQGAP2	NM_001285462	c.T240G	p.D80E



IQGAP2	NM_006633	c.T1581G	p.D527E
IQGAP3	NM_178229	c.C2308T	p.H770Y
IQGAP3	NM_178229	c.G1778T	p.R593L
IQGAP3	NM_178229	c.G1933A	p.D645N
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IQGAP3	NM_178229	c.G4268A	p.R1423H
IQSEC1	NM_001134382	c.C1876T	p.P626S
IQSEC1	NM_014869	c.C1918T	p.P640S
IQSEC3	NM_001170738	c.C1673G	p.A558G
IQSEC3	NM_015232	c.C764G	p.A255G
IQUB	NM_001282855	c.G1913A	p.R638Q
IQUB	NM_001282855	c.G376A	p.V126M
IRAK1BP1	NM_001010844	c.C119G	p.P40R
IRAK2	NM_001570	c.A295G	p.I99V
IRAK2	NM_001570	c.C1174G	p.L392V
IRAK2	NM_001570	c.C640G	p.R214G
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IRAK2	NM_001570	c.T1187G	p.V396G
IRAK3	NM_007199	c.A170G	p.H57R
IRAK3	NM_001142523	c.A256G	p.I86V
IRAK4	NM_001114182	c.C1171T	p.R391C
IRAK4	NM_001114182	c.G1282A	p.A428T
IRAK4	NM_001145256	c.C799T	p.R267C
IRAK4	NM_001145256	c.G910A	p.A304T
IREB2	NM_004136	c.A2662G	p.I888V
IRF2BPL	NM_024496	c.G967A	p.V323M
IRF3	NM_001197122	c.G1296C	p.E432D
IRF3	NM_001197123	c.G1175C	p.S392T
IRF3	NM_001197124	c.G899C	p.S300T
IRF3	NM_001197125	c.G842C	p.S281T
IRF3	NM_001571	c.G1280C	p.S427T
IRF3	NM_001197127	c.G461C	p.S154T
IRF5	NM_001098627	c.A179G	p.D60G
IRF7	NM_001572	c.A1235G	p.Q412R
IRF7	NM_001572	c.G1268C	p.R423P
IRF7	NM_001572	c.G739A	p.G247R
IRF7	NM_004029	c.A1148G	p.Q383R
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IRF7	NM_004031	c.A1274G	p.Q425R
IRF7	NM_004031	c.G1307C	p.R436P
IRF7	NM_004031	c.G649A	p.D217N
IRF7	NM_004031	c.G778A	p.G260R
IRF9	NM_006084	c.C1024G	p.P342A
IRGC	NM_019612	c.C1016T	p.S339L
IRGC	NM_019612	c.C1221A	p.D407E
IRGC	NM_019612	c.G1011T	p.E337D
IRGC	NM_019612	c.G1123A	p.G375S
IRGC	NM_019612	c.G403A	p.D135N
IRGQ	NM_001007561	c.C748T	p.P250S
IRGQ	NM_001007561	c.G868A	p.A290T

IRS1	NM_005544	c.G1534C	p.A512P
IRS1	NM_005544	c.G2452C	p.G818R
IRS1	NM_005544	c.G2911A	p.G971R
IRS1	NM_005544	c.G306C	p.E102D
IRS2	NM_003749	c.G2995A	p.V999M
IRX2	NM_001134222	c.A1172G	p.N391S
IRX2	NM_001134222	c.G286A	p.G96S
IRX3	NM_024336	c.G1437T	p.Q479H
IRX4	NM_001278632	c.G355A	p.A119T
IRX4	NM_001278633	c.G523A	p.A175T
IRX5	NM_001252197	c.C760A	p.P254T
IRX5	NM_005853	c.C763A	p.P255T
ISCU	NM_001301140	c.C35T	p.A12V
ISCU	NM_001301140	c.T19G	p.F7V
ISG15	NM_005101	c.G248A	p.S83N
ISG20	NM_002201	c.G310A	p.G104S
ISG20L2	NM_001303095	c.G471C	p.Q157H
ISLR	NM_005545	c.G1175A	p.R392H
ISLR2	NM_001130137	c.C440T	p.P147L
ISM2	NM_182509	c.C734T	p.P245L
ISM2	NM_182509	c.G280A	p.A94T
ISM2	NM_199296	c.1486delG	p.E496fs
ISM2	NM_199296	c.A1159G	p.K387E
ISOC2	NM_001136202	c.C163T	p.R55W
ISOC2	NM_024710	c.C421T	p.R141W
ISPD	NM_001101417	c.C407T	p.A136V
ISPD	NM_001101426	c.C1054A	p.Q352K
IST1	NM_001270975	c.A920C	p.E307A
IST1	NM_001270976	c.A959C	p.E320A
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IVD	NM_001159508	c.C20T	p.A7V
IVL	NM_005547	c.A337G	p.T113A
IWS1	NM_017969	c.A257G	p.E86G
IYD	NM_001164694	c.G794A	p.C265Y
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KAZALD1	NM_030929	c.A830G	p.N277S
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KAZN	NM_201628	c.G1393A	p.V465I
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KBTBD8	NM_032505	c.T1258C	p.C420R
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KCNA7	NM_031886	c.C566G	p.P189R
KCNA7	NM_031886	c.T1253C	p.M418T
KCNB1	NM_004975	c.C1837T	p.P613S
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KLHL38	NM_001081675	c.A1522G	p.K508E
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KLHL40	NM_152393	c.C97T	p.L33F

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KLHL41	NM_006063	c.C8T	p.S3F
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KRTAP4-4	NM_032524	c.G462C	p.R154S
KRTAP4-8	NM_031960	c.1delA	p.M1fs
KRTAP5-10	NM_001012710	c.A511C	p.S171R
KRTAP5-3	NM_001012708	c.G355T	p.G119W
KRTAP6-1	NM_181602	c.C127T	p.R43C
KRTAP6-3	NM_181605	c.A152C	p.Y51S
KRTAP9-1	NM_001190460	c.A1G	p.M1V
KRTAP9-1	NM_001190460	c.T380C	p.I127T
KRTAP9-2	NM_031961	c.G167C	p.C56S
KSR1	NM_014238	c.C1334T	p.P445L
KSR1	NM_014238	c.C254T	p.A85V
KSR1	NM_014238	c.G1233C	p.Q411H
KTI12	NM_138417	c.T573A	p.D191E
KTN1	NM_004986	c.A3556G	p.K1186E
KXD1	NM_001171948	c.C469G	p.P157A
KXD1	NM_001171948	c.C503G	p.T168R
KXD1	NM_001171948	c.G490A	p.G164S
KXD1	NM_001171948	c.G526A	p.E176K
KY	NM_178554	c.G508A	p.E170K

KY	NM_178554	c.T557C	p.V186A
KYNU	NM_001199241	c.A1234G	p.K412E
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L2HGDH	NM_024884	c.T53G	p.L18R
L3HYPDH	NM_144581	c.A1021G	p.I341V
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LACTB	NM_032857	c.G1406A	p.R469K
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LAD1	NM_005558	c.A820G	p.T274A
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LAG3	NM_002286	c.T1364C	p.I455T
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LALBA	NM_002289	c.A136G	p.I46V
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LAMA4	NM_001105206	c.C3356G	p.P1119R
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LAMA5	NM_005560	c.A5995G	p.T1999A
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LAMP5	NM_012261	c.C307G	p.Q103E
LAMTOR1	NM_017907	c.C374T	p.P125L
LAMTOR5	NM_006402	c.C212T	p.P71L
LAMTOR5	NM_006402	c.G50A	p.S17N
LAP3	NM_015907	c.G67C	p.G23R
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LARP1B	NM_018078	c.A1744G	p.M582V
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LARP7	NM_001267039	c.G31A	p.E11K
LARP7	NM_001267039	c.G857A	p.R286Q
LARP7	NM_016648	c.C320T	p.T107I
LARP7	NM_016648	c.G10A	p.E4K
LARP7	NM_016648	c.G836A	p.R279Q
LARS	NM_020117	c.A2674G	p.N892D
LARS2	NM_015340	c.C972A	p.H324Q
LARS2	NM_015340	c.G2620A	p.E874K
LAT	NM_001014989	c.G95A	p.R32Q
LAT2	NM_014146	c.C117G	p.I39M
LATS2	NM_014572	c.C608T	p.A203V
LATS2	NM_014572	c.C971T	p.A324V
LATS2	NM_014572	c.G1087A	p.G363S
LAX1	NM_001136190	c.C1138T	p.P380S
LAX1	NM_001282878	c.C958T	p.P320S
LAYN	NM_001258390	c.C331T	p.R111C
LBP	NM_004139	c.A1316C	p.K439T
LBP	NM_004139	c.C998T	p.P333L
LBP	NM_004139	c.G496A	p.V166M
LBP	NM_004139	c.G622A	p.D208N
LBP	NM_004139	c.T1306C	p.F436L
LBX2	NM_001009812	c.C461T	p.S154F
LBX2	NM_001282430	c.C473T	p.S158F
LCA5	NM_001122769	c.A77C	p.D26A
LCA5	NM_001122769	c.T71C	p.L24S
LCA5L	NM_152505	c.G1639A	p.G547S
LCA5L	NM_152505	c.G632C	p.R211T

LCAT	NM_000229	c.G1132A	p.E378K
LCAT	NM_000229	c.T694A	p.S232T
LCE2A	NM_178428	c.G8A	p.C3Y
LCE4A	NM_178356	c.A52G	p.I18V
LCLAT1	NM_001002257	c.A754G	p.I252V
LCLAT1	NM_001304446	c.A382G	p.I128V
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LCMT2	NM_014793	c.C949T	p.L317F
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LCN15	NM_203347	c.A490G	p.K164E
LCN15	NM_203347	c.C239T	p.A80V
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LCN6	NM_198946	c.A412G	p.S138G
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LCN9	NM_001001676	c.G331A	p.V111I
LCNL1	NM_207510	c.G131A	p.G44D
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LCP1	NM_002298	c.A1597G	p.K533E
LCT	NM_002299	c.A4916G	p.N1639S
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LCTL	NM_207338	c.A398G	p.E133G
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LDB3	NM_001080115	c.C566T	p.S189L
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LDHAL6A	NM_144972	c.G335T	p.R112L
LDHAL6B	NM_033195	c.C89T	p.P30L
LDHAL6B	NM_033195	c.G195C	p.K65N
LDHAL6B	NM_033195	c.G757A	p.V253M
LDHD	NM_153486	c.G1329C	p.R443S
LDHD	NM_153486	c.G1345A	p.E449K
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LDHD	NM_194436	c.G1336A	p.G446R
LDLR	NM_000527	c.C232T	p.R78C
LDLR	NM_000527	c.G58A	p.G20R
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LDLRAD1	NM_001276392	c.C388T	p.R130C
LDLRAD1	NM_001276393	c.C376T	p.R126C
LDLRAD1	NM_001276394	c.C238T	p.R80C
LDLRAD2	NM_001013693	c.A401C	p.N134T
LDLRAD3	NM_001304264	c.C523T	p.R175W
LDLRAD4	NM_001276251	c.C77T	p.P26L
LDLRAP1	NM_015627	c.C712T	p.R238W
LECT1	NM_001011705	c.G523A	p.V175I
LECT2	NM_002302	c.A172G	p.I58V
LECT2	NM_002302	c.G188A	p.G63E
LECT2	NM_002302	c.T71C	p.I24T
LEFTY1	NM_020997	c.A965C	p.D322A

LEFTY2	NM_001172425	c.G976A	p.V326M
LEFTY2	NM_003240	c.G1078A	p.V360M
LEMD1	NM_001199051	c.C73T	p.P25S
LENG1	NM_024316	c.G289A	p.E97K
LENG1	NM_024316	c.G725A	p.R242Q
LENG8	NM_052925	c.A1669G	p.I557V
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LENG9	NM_001301782	c.G1403A	p.G468E
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LETMD1	NM_001243689	c.G250A	p.V84I
LFNG	NM_001040167	c.G1036A	p.V346M
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LFNG	NM_002304	c.G649A	p.V217M
LGALS12	NM_001142535	c.T68C	p.M23T
LGALS12	NM_001142536	c.G659A	p.R220Q
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LGALS14	NM_020129	c.C381G	p.F127L
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LGALS14	NM_203471	c.C468G	p.F156L
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LGALS3	NM_001177388	c.C191A	p.P64H
LGALS3	NM_002306	c.A603T	p.Q201H
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LGALS8	NM_006499	c.C106T	p.R36C
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LGALS8	NM_201545	c.G613T	p.D205Y
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LGALS8	NM_201543	c.G552C	p.R184S
LGALS9	NM_002308	c.G13A	p.G5S
LGALS9	NM_002308	c.G579T	p.M193I
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LHX5	NM_022363	c.C467T	p.T156M
LHX6	NM_001242334	c.C1018A	p.P340T
LHX8	NM_001001933	c.C974T	p.A325V
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LIMCH1	NM_001289122	c.T2315C	p.M772T
LIME1	NM_017806	c.C632T	p.P211L
LIMK2	NM_005569	c.C637T	p.R213C
LIMK2	NM_005569	c.G103A	p.G35S
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LIN52	NM_001024674	c.A344G	p.K115R
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LOXL3	NM_001289165	c.A760T	p.I254F
LOXL3	NM_032603	c.A1843T	p.I615F
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LPCAT1	NM_024830	c.A373G	p.T125A
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LRBA	NM_001199282	c.C8390T	p.S2797L
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LRCH1	NM_001164211	c.C484G	p.L162V
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LRCH4	NM_001289934	c.G1181A	p.R394Q
LRCH4	NM_002319	c.G1924A	p.V642M
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LRIT1	NM_015613	c.C1165A	p.P389T
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LRIT2	NM_001284223	c.A537C	p.K179N
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LRIT3	NM_198506	c.A1006T	p.M336L
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LRIT3	NM_198506	c.C505A	p.P169T
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LRMP	NM_001204126	c.G590C	p.C197S
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LRP12	NM_013437	c.G2515A	p.D839N
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LRP4	NM_002334	c.A3620G	p.N1207S
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LRP5	NM_002335	c.C3989T	p.A1330V
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LRP5	NM_002335	c.G1999A	p.V667M
LRP5	NM_002335	c.T4081G	p.C1361G
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LRPAP1	NM_002337	c.G931A	p.V311M
LRPAP1	NM_002337	c.G962A	p.R321H
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LRRC16A	NM_017640	c.C3658G	p.P1220A
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LRRC16B	NM_138360	c.C3184T	p.R1062W
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LRRC23	NM_201650	c.C848T	p.T283M
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LRRC32	NM_001128922	c.C1336T	p.R446C
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LRRC34	NM_153353	c.T760A	p.L254I
LRRC34	NM_153353	c.893dupC	p.S298fs
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LRRC42	NM_052940	c.A526T	p.T176S
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LRRCS6	NM_012472	c.C695T	p.T232I
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LRRCS66	NM_001024611	c.A217G	p.R73G
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LRRCS7	NM_020794	c.A878G	p.N293S
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LRRCS70	NM_181506	c.C1508T	p.P503L
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LRRCS75B	NM_207644	c.C242T	p.P81L
LRRCS75B	NM_207644	c.C329T	p.S110L
LRRCS75B	NM_207644	c.C676T	p.R226C
LRRCS75B	NM_207644	c.G389C	p.G130A
LRRCS8C	NM_032270	c.A1403G	p.N468S
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LRRIQ1	NM_001079910	c.A4009G	p.M1337V
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LRRN2	NM_006338	c.C1552G	p.L518V
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LSG1	NM_018385	c.A799G	p.K267E
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LSM14A	NM_015578	c.G713A	p.R238Q
LSM14B	NM_144703	c.G559A	p.G187S
LSP1	NM_001013253	c.G112A	p.A38T
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LSS	NM_001001438	c.C1840T	p.R614W
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LTA	NM_000595	c.A152C	p.H51P
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LTA	NM_000595	c.T37C	p.C13R
LTA4H	NM_000895	c.G280A	p.A94T
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LTB4R2	NM_001164692	c.A494G	p.D165G
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LTBP1	NM_001166264	c.G2167T	p.A723S
LTBP1	NM_206943	c.C3797T	p.S1266F
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LTBP2	NM_000428	c.G3262A	p.G1088S
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LTBR	NM_002342	c.G685T	p.A229S
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LUZP2	NM_001009909	c.C895T	p.P299S
LUZP2	NM_001009909	c.G922C	p.E308Q
LUZP2	NM_001252008	c.G664C	p.E222Q
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LVRN	NM_173800	c.G1459A	p.E487K
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LY6E	NM_001127213	c.G310A	p.D104N
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LY6G6D	NM_021246	c.T25G	p.L9V
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LY6G6F	NM_001003693	c.G319A	p.A107T
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LY75	NM_002349	c.C1376T	p.T459M
LY75	NM_002349	c.C4178T	p.T1393I
LY75	NM_002349	c.G2074A	p.D692N
LY75	NM_002349	c.G3963T	p.K1321N
LY75-CD302	NM_001198759	c.C4178T	p.T1393I
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LY75-CD302	NM_001198760	c.G1574A	p.G525E
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LY9	NM_001033667	c.G272A	p.R91H
LY9	NM_001261456	c.A1762G	p.M588V
LY9	NM_001261457	c.A1534G	p.M512V
LY9	NM_002348	c.A1804G	p.M602V
LY96	NM_015364	c.A166G	p.R56G
LYG2	NM_175735	c.A445G	p.T149A
LYPD2	NM_205545	c.C20T	p.A7V

LYPD3	NM_014400	c.G520A	p.D174N
LYPD4	NM_001291419	c.C149A	p.S50Y
LYPD4	NM_001291419	c.C446G	p.T149S
LYPD4	NM_173506	c.C551G	p.T184S
LYPD5	NM_001031749	c.A500G	p.N167S
LYPD5	NM_001288763	c.A371G	p.N124S
LYPLAL1	NM_138794	c.G16T	p.G6W
LYRM1	NM_001128302	c.C40T	p.R14C
LYRM2	NM_020466	c.A131T	p.Y44F
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LYRM4	NM_001164840	c.T31G	p.S11A
LYSMD3	NM_198273	c.C449A	p.S150Y
LYSMD4	NM_001284417	c.C470T	p.A157V
LYSMD4	NM_001284417	c.C482T	p.A161V
LYSMD4	NM_001284417	c.C584G	p.T195S
LYSMD4	NM_001284419	c.C458T	p.A153V
LYSMD4	NM_001284419	c.C572G	p.T191S
LYSMD4	NM_001284419	c.C95T	p.T32I
LYSMD4	NM_001284420	c.C287T	p.A96V
LYSMD4	NM_001284420	c.C299T	p.A100V
LYSMD4	NM_001284420	c.C401G	p.T134S
LYSMD4	NM_001284421	c.C104T	p.A35V
LYSMD4	NM_001284421	c.C206G	p.T69S
LYSMD4	NM_001284421	c.C92T	p.A31V
LYSMD4	NM_152449	c.C473T	p.A158V
LYSMD4	NM_152449	c.C485T	p.A162V
LYSMD4	NM_152449	c.C587G	p.T196S
LYST	NM_000081	c.C5945T	p.T1982I
LYST	NM_000081	c.G2963A	p.R988Q
LYST	NM_000081	c.T4578A	p.N1526K
LYST	NM_000081	c.T5518G	p.S1840A
LYST	NM_001301365	c.C7870T	p.R2624W
LYVE1	NM_006691	c.G835A	p.E279K
LYVE1	NM_006691	c.G943A	p.V315M
LYZ	NM_000239	c.C263A	p.T88N
LYZL1	NM_032517	c.A323C	p.Q108P
LYZL1	NM_032517	c.G569A	p.G190D
LYZL6	NM_001199951	c.T416C	p.F139S
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M1AP	NM_001281296	c.A476T	p.E159V
M1AP	NM_138804	c.G1457C	p.R486P
MAATS1	NM_033364	c.C262G	p.L88V
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MACROD2	NM_080676	c.C358G	p.L120V
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MAG	NM_001199216	c.A1582C	p.N528H
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MAG	NM_080600	c.A409G	p.I137V
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MAGEL2	NM_019066	c.C2633T	p.P878L
MAGEL2	NM_019066	c.C3017G	p.T1006S
MAGEL2	NM_019066	c.C3151A	p.L1051I
MAGEL2	NM_019066	c.G2611T	p.A871S
MAGI1	NM_004742	c.A761T	p.D254V
MAGI1	NM_004742	c.T763A	p.S255T
MAGI1	NM_015520	c.G230A	p.R77Q
MAGI2	NM_001301128	c.G754A	p.E252K
MAGI3	NM_001142782	c.G3953A	p.G1318D
MAK	NM_001242957	c.C1558T	p.P520S
MAK16	NM_032509	c.A830G	p.Q277R
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MAL	NM_022439	c.T103C	p.Y35H
MALT1	NM_006785	c.A649G	p.R217G
MALT1	NM_006785	c.G466T	p.V156F
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MAMDC4	NM_206920	c.C1189T	p.P397S
MAMDC4	NM_206920	c.C1280T	p.S427L

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MAMDC4	NM_206920	c.G625A	p.A209T
MAMDC4	NM_206920	c.299_300insCTCA	p.H100fs
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MAML1	NM_014757	c.G1709A	p.R570Q
MAML1	NM_014757	c.G1748A	p.S583N
MAML1	NM_014757	c.G3020A	p.S1007N
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MAML2	NM_032427	c.C2686A	p.P896T
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MAN1B1	NM_016219	c.C590T	p.P197L
MAN1C1	NM_001289010	c.C881T	p.A294V
MAN1C1	NM_001289010	c.G721A	p.A241T
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MAN2A2	NM_006122	c.A2689G	p.I897V
MAN2A2	NM_006122	c.C1852T	p.P618S
MAN2A2	NM_006122	c.G2983A	p.V995M
MAN2A2	NM_006122	c.G3116A	p.R1039H
MAN2A2	NM_006122	c.G848A	p.R283H
MAN2B1	NM_000528	c.C832G	p.L278V
MAN2B1	NM_000528	c.C844T	p.P282S
MAN2B1	NM_000528	c.C935T	p.T312I
MAN2B1	NM_000528	c.G1010A	p.R337Q
MAN2B2	NM_001292038	c.A1183G	p.M395V
MAN2B2	NM_001292038	c.A1469G	p.N490S
MAN2B2	NM_001292038	c.A1651G	p.I551V
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MAN2B2	NM_015274	c.A1622G	p.N541S
MAN2B2	NM_015274	c.A1804G	p.I602V
MAN2B2	NM_015274	c.G1715A	p.R572H
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MAN2B2	NM_015274	c.G2042A	p.R681H
MAN2B2	NM_015274	c.G212A	p.R71Q
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MANEA	NM_024641	c.390delT	p.H130fs
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MANEA	NM_024641	c.C245T	p.T82I
MANEA	NM_024641	c.C529T	p.R177C
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MAP1A	NM_002373	c.C7046T	p.P2349L
MAP1A	NM_002373	c.G2842A	p.V948I
MAP1A	NM_002373	c.G4381A	p.D1461N
MAP1A	NM_002373	c.G4408A	p.A1470T
MAP1A	NM_002373	c.G4444A	p.D1482N
MAP1A	NM_002373	c.T3308G	p.M1103R
MAP1B	NM_005909	c.A2606G	p.E869G
MAP1B	NM_005909	c.A5749C	p.S1917R
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MAP2	NM_002374	c.A3295G	p.M1099V
MAP2	NM_002374	c.G1268A	p.R423K
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MAP3K13	NM_004721	c.G130A	p.E44K
MAP3K13	NM_004721	c.G2134A	p.E712K
MAP3K19	NM_001018044	c.C974T	p.T325I
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MAP4K1	NM_001042600	c.C208T	p.R70W
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MAP4K2	NM_004579	c.G358T	p.A120S
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MAP7	NM_001198608	c.G1147A	p.V383I
MAP7	NM_001198618	c.A1274C	p.E425A
MAP7	NM_001198618	c.G643A	p.V215I
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MAP7	NM_001198611	c.C1627T	p.R543W
MAP7	NM_001198616	c.C1561T	p.R521W
MAP7	NM_001198618	c.C1234T	p.R412W
MAP7	NM_003980	c.C1672T	p.R558W
MAP7D1	NM_001286365	c.C146T	p.P49L
MAP7D1	NM_001286365	c.G329A	p.R110Q
MAP9	NM_001039580	c.A1801G	p.N601D
MAP9	NM_001039580	c.A436G	p.M146V
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MAP9	NM_001039580	c.T659C	p.I220T
MAPK11	NM_002751	c.G824A	p.R275H
MAPK11	NM_002751	c.G916A	p.A306T
MAPK12	NM_001303252	c.C308T	p.T103M
MAPK12	NM_001303252	c.C535T	p.R179W

MAPK13	NM_002754	c.G898A	p.A300T
MAPK15	NM_139021	c.A817G	p.T273A
MAPK15	NM_139021	c.C1073T	p.P358L
MAPK15	NM_139021	c.C1307T	p.A436V
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MAPK15	NM_139021	c.C662A	p.T221K
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MAPK6	NM_002748	c.C868G	p.L290V
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MAPK8IP3	NM_001040439	c.G2731A	p.G911R
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MAPKBP1	NM_001128608	c.C937G	p.L313V
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MAPT	NM_001123066	c.C605T	p.P202L
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MARCO	NM_006770	c.G1533C	p.E511D
MARCO	NM_006770	c.T845C	p.F282S
MARK2	NM_001163296	c.G1678A	p.G560S
MARK3	NM_001128918	c.C2201T	p.S734L
MARK3	NM_001128920	c.A1985G	p.H662R
MARK3	NM_002376	c.C2129T	p.S710L
MARS2	NM_138395	c.G43A	p.A15T
MARVELD2	NM_001038603	c.C98T	p.T33I
MASP1	NM_139125	c.G1277A	p.G426E
MASP1	NM_139125	c.G1727T	p.R576M
MASP2	NM_006610	c.A359G	p.D120G
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MAST2	NM_015112	c.A3590G	p.K1197R
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MAST3	NM_015016	c.G608A	p.R203Q
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MAST4	NM_001290226	c.G4765A	p.V1589I
MAST4	NM_001290227	c.T6535A	p.S2179T
MAST4	NM_015183	c.C5789T	p.P1930L
MAST4	NM_015183	c.T6751A	p.S2251T
MAST4	NM_001164664	c.6710_6711insAG	p.R2237fs
MAST4	NM_001297651	c.6128_6129insAG	p.R2043fs
MASTL	NM_001172303	c.C1858G	p.P620A
MAT1A	NM_000429	c.G976A	p.E326K
MATK	NM_002378	c.G1489A	p.A497T
MATK	NM_139354	c.G1363A	p.A455T
MATK	NM_139355	c.G1486A	p.A496T



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MATN3	NM_002381	c.G754A	p.E252K
MATN4	NM_003833	c.A172G	p.M58V
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MBOAT2	NM_138799	c.A1501G	p.T501A
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MBTPS1	NM_003791	c.G389A	p.R130Q
MBTPS1	NM_003791	c.T17C	p.I6T
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MC1R	NM_002386	c.C637T	p.R213W
MC1R	NM_002386	c.C766T	p.P256S
MC1R	NM_002386	c.G178T	p.V60L
MC1R	NM_002386	c.G200A	p.R67Q
MC1R	NM_002386	c.G274A	p.V92M
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MDC1	NM_014641	c.C1157T	p.P386L
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MDC1	NM_014641	c.C5234G	p.P1745R
MDC1	NM_014641	c.C535T	p.R179C
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MED13L	NM_015335	c.A3512G	p.K1171R
MED15	NM_001293237	c.C1286T	p.A429V
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MED17	NM_004268	c.C865A	p.P289T
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MESP1	NM_018670	c.C453G	p.C151W
MET	NM_000245	c.A1124G	p.N375S
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MET	NM_001127500	c.C2962T	p.R988C
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METTL20	NM_001135863	c.C583G	p.L195V
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METTL22	NM_024109	c.G176C	p.W59S
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METTL25	NM_032230	c.G401A	p.R134Q
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MFAP2	NM_001135247	c.C77T	p.P26L
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MFSD7	NM_032219	c.C1214T	p.P405L
MFSD9	NM_032718	c.G1126A	p.A376T
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MMP7	NM_002423	c.G230A	p.R77H
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MOB3C	NM_145279	c.G8A	p.R3H
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MOGAT3	NM_001287147	c.G607A	p.G203R
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MOV10L1	NM_001164104	c.G1948A	p.V650I
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MPDZ	NM_001261407	c.C2537G	p.S846C
MPDZ	NM_001261407	c.C275T	p.S92L
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MPEG1	NM_001039396	c.C38T	p.A13V
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MPHOSPH10	NM_005791	c.G344A	p.R115H
MPHOSPH6	NM_005792	c.G23A	p.R8K
MPHOSPH8	NM_017520	c.G1378T	p.D460Y
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MROH2B	NM_173489	c.A1403T	p.E468V
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MROH7	NM_001039464	c.A2082G	p.I694M
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MROH7	NM_001291332	c.T80C	p.V27A
MROH7	NM_001039464	c.A1853G	p.H618R
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MRPL10	NM_145255	c.G373A	p.V125I
MRPL10	NM_148887	c.G403A	p.V135I
MRPL11	NM_016050	c.C424T	p.R142C
MRPL12	NM_002949	c.T313C	p.S105P
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MRPL3	NM_007208	c.G224A	p.S75N
MRPL30	NM_145212	c.G388A	p.A130T
MRPL35	NM_016622	c.C55T	p.P19S
MRPL36	NM_032479	c.A49C	p.S17R
MRPL37	NM_016491	c.G1097C	p.C366S
MRPL38	NM_032478	c.C602T	p.A201V
MRPL39	NM_017446	c.T91C	p.S31P

MRPL4	NM_015956	c.C178T	p.R60C
MRPL4	NM_146388	c.A149C	p.K50T
MRPL40	NM_003776	c.G386A	p.R129H
MRPL40	NM_003776	c.T32C	p.L11P
MRPL45	NM_001278279	c.G743T	p.G248V
MRPL45	NM_001278279	c.T59C	p.F20S
MRPL47	NM_020409	c.G638A	p.R213H
MRPL47	NM_177988	c.G308A	p.R103H
MRPL49	NM_004927	c.215delG	p.W72fs
MRPL49	NM_004927	c.C389T	p.P130L
MRPL51	NM_016497	c.C205T	p.H69Y
MRPL52	NM_178336	c.G14T	p.G5V
MRPL52	NM_180982	c.T53C	p.V18A
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MRPL57	NM_024026	c.C109T	p.R37C
MRPL9	NM_001300733	c.A527C	p.E176A
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MRPS10	NM_018141	c.C21A	p.F7L
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MRPS2	NM_016034	c.C89A	p.T30N
MRPS21	NM_018997	c.G152A	p.R51Q
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MRPS7	NM_015971	c.C5T	p.A2V
MRS2	NM_001286265	c.C181T	p.R61C
MRS2	NM_020662	c.C1234T	p.P412S
MRS2	NM_020662	c.G1328A	p.R443H
MRT04	NM_016183	c.G520A	p.E174K
MRVI1	NM_001098579	c.A31G	p.I11V

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MRVI1	NM_001100163	c.C865T	p.L289F
MRVI1	NM_001100163	c.C940T	p.R314W
MRVI1	NM_001100163	c.G1006A	p.G336S
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MRVI1	NM_130385	c.C886T	p.L296F
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MRVI1	NM_001206880	c.G235A	p.A79T
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MS4A13	NM_001012417	c.C173T	p.P58L
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MS4A4A	NM_024021	c.A97G	p.K33E
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MS4A4A	NM_148975	c.A532G	p.M178V
MS4A6A	NM_022349	c.T143C	p.I48T
MS4A6E	NM_139249	c.A16G	p.I6V
MS4A6E	NM_139249	c.A28G	p.T10A
MS4A6E	NM_139249	c.G139T	p.V47F
MS4A7	NM_021201	c.C275G	p.A92G
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MSH2	NM_000251	c.A1690G	p.T564A
MSH2	NM_001258281	c.A1492G	p.T498A
MSH3	NM_002439	c.A2262G	p.I754M
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MZT2B	NM_025029	c.C365T	p.A122V
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NAT10	NM_024662	c.C1690T	p.P564S
NAT14	NM_020378	c.C615A	p.D205E
NAT16	NM_198571	c.T188C	p.F63S
NAT2	NM_000015	c.G590A	p.R197Q
NAT2	NM_000015	c.G857A	p.G286E
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NAT6	NM_001200016	c.A664T	p.R222W
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NAT9	NM_001305086	c.C131T	p.P44L
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NAV1	NM_001167738	c.G1638C	p.Q546H
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NAV2	NM_001111018	c.C1537T	p.P513S
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NAV2	NM_145117	c.G3054T	p.E1018D
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NAV2	NM_145117	c.G6943A	p.V2315I
NAV2	NM_182964	c.C1729T	p.P577S
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NBAS	NM_015909	c.T4359G	p.C1453W
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NUB1	NM_001243351	c.C25T	p.R9C
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NUMA1	NM_001286561	c.A1430G	p.N477S
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NUP188	NM_015354	c.G605A	p.R202H
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NUP205	NM_015135	c.C11T	p.P4L
NUP205	NM_015135	c.G1119A	p.M373I
NUP205	NM_015135	c.G646C	p.E216Q

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NUP210	NM_024923	c.G5359A	p.V1787M
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NUP214	NM_005085	c.A6233G	p.N2078S
NUP214	NM_005085	c.C1720T	p.P574S
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NUP214	NM_005085	c.G1256A	p.R419Q
NUP54	NM_001278603	c.A605G	p.N202S
NUP54	NM_017426	c.A749G	p.N250S
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NUP88	NM_002532	c.A2198G	p.N733S
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NUP98	NM_016320	c.G4064A	p.R1355Q
NUP98	NM_016320	c.G4981A	p.E1661K
NUP98	NM_139131	c.A2213G	p.N738S
NUPL1	NM_001008564	c.G100A	p.A34T
NUPL1	NM_001008564	c.T460C	p.S154P
NUPL1	NM_014089	c.T496C	p.S166P
NUPL2	NM_007342	c.G1046A	p.G349D
NUPL2	NM_007342	c.G1171A	p.D391N
NUSAP1	NM_001243142	c.C98A	p.T33N
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NYAP2	NM_020864	c.A1756C	p.T586P
NYNRIN	NM_025081	c.A1670C	p.N557T
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OBP2A	NM_001293189	c.C367T	p.R123C
OBP2A	NM_001293189	c.G353A	p.R118H



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OC90	NM_001080399	c.A430G	p.N144D
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OCIAD2	NM_001286773	c.G181A	p.V61I
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ODF2	NM_001242352	c.G2453A	p.R818H
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ODF2L	NM_001007022	c.134_135insTGAAA	p.N45fs
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OGDH	NM_001165036	c.G3040A	p.V1014I
OGDH	NM_002541	c.G3052A	p.V1018I
OGDHL	NM_001143996	c.C1697G	p.S566C
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OGFOD1	NM_018233	c.C517T	p.P173S
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OGFR	NM_007346	c.G1972C	p.G658R
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OGG1	NM_016820	c.C994G	p.P332A
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OLAH	NM_018324	c.G814C	p.A272P
OLFM2	NM_001304347	c.C452T	p.T151M
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OLFM2	NM_058164	c.C380T	p.T127M
OLFM2	NM_058164	c.G370T	p.D124Y
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OLFM4	NM_006418	c.T106C	p.S36P
OLFML1	NM_198474	c.A338T	p.E113V
OLFML1	NM_198474	c.A76G	p.T26A
OLFML1	NM_198474	c.C581T	p.A194V
OLFML1	NM_198474	c.G775A	p.A259T
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OMA1	NM_145243	c.A985C	p.I329L
OMD	NM_005014	c.G662A	p.S221N
OMG	NM_002544	c.G62A	p.G21D
OMP	NM_006189	c.C76T	p.R26W
ONECUT1	NM_004498	c.C223G	p.P75A
ONECUT1	NM_004498	c.C78G	p.D26E
ONECUT1	NM_004498	c.G242A	p.G81D
ONECUT1	NM_004498	c.G520A	p.G174S
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OOEP	NM_001080507	c.T275C	p.V92A

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OPALIN	NM_033207	c.C32T	p.A11V
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OPLAH	NM_017570	c.A1924T	p.S642C
OPLAH	NM_017570	c.A850C	p.S284R
OPLAH	NM_017570	c.C2722T	p.P908S
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OPRL1	NM_000913	c.G31A	p.E11K
OPRM1	NM_000914	c.A118G	p.N40D
OPRM1	NM_001145279	c.A397G	p.N133D
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OPTC	NM_014359	c.G491T	p.R164L
OPTC	NM_014359	c.T803C	p.L268P
OR10A2	NM_001004460	c.A773C	p.K258T
OR10A2	NM_001004460	c.G400A	p.A134T
OR10A2	NM_001004460	c.T719C	p.I240T
OR10A4	NM_207186	c.G785A	p.R262Q
OR10A5	NM_178168	c.A758G	p.Y253C
OR10A5	NM_178168	c.G662A	p.R221H
OR10A6	NM_001004461	c.C350T	p.A117V
OR10A6	NM_001004461	c.G349A	p.A117T
OR10A6	NM_001004461	c.T419G	p.V140G
OR10A6	NM_001004461	c.T860C	p.L287P
OR10A7	NM_001005280	c.T421C	p.C141R
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OR10AD1	NM_001004134	c.T592A	p.W198R
OR10AD1	NM_001004134	c.T835C	p.Y279H
OR10AG1	NM_001005491	c.C422T	p.T141I
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OR10C1	NM_013941	c.C361T	p.R121C

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OR10C1	NM_013941	c.C8A	p.A3E
OR10C1	NM_013941	c.G808T	p.D270Y
OR10C1	NM_013941	c.T178C	p.F60L
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OR10G2	NM_001005466	c.A157G	p.M53V
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OR10T2	NM_001004475	c.T283C	p.F95L
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OR10X1	NM_001004477	c.G241T	p.A81S
OR10X1	NM_001004477	c.T179C	p.I60T
OR10X1	NM_001004477	c.T539G	p.F180C
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OR13G1	NM_001005487	c.C670T	p.R224C
OR13G1	NM_001005487	c.G565C	p.V189L
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OR1E1	NM_003553	c.G427A	p.A143T
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OR3A1	NM_002550	c.G670A	p.V224M
OR3A1	NM_002550	c.T100A	p.F34I
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OR4C16	NM_001004701	c.G137C	p.S46T
OR4C16	NM_001004701	c.G73T	p.V25L
OR4C16	NM_001004701	c.G784A	p.V262I
OR4C16	NM_001004701	c.T776C	p.L259P
OR4C16	NM_001004701	c.A226G	p.T76A
OR4C3	NM_001004702	c.G504A	p.M168I
OR4C46	NM_001004703	c.C179T	p.S60F
OR4C46	NM_001004703	c.C323T	p.A108V
OR4C46	NM_001004703	c.C553A	p.L185I
OR4C46	NM_001004703	c.C631T	p.L211F
OR4C46	NM_001004703	c.C719T	p.S240F
OR4C46	NM_001004703	c.G265A	p.A89T
OR4C46	NM_001004703	c.T704A	p.L235H
OR4C6	NM_001004704	c.C914G	p.A305G
OR4C6	NM_001004704	c.T398C	p.I133T
OR4D1	NM_012374	c.C520A	p.L174I
OR4D1	NM_012374	c.G161A	p.R54Q
OR4D11	NM_001004706	c.T589C	p.F197L
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OR4D5	NM_001001965	c.A169C	p.T57P
OR4D5	NM_001001965	c.A595G	p.M199V
OR4D6	NM_001004708	c.697delC	p.R233fs
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OR4D6	NM_001004708	c.C190T	p.R64W
OR4D6	NM_001004708	c.G232A	p.V78I
OR4D6	NM_001004708	c.G31C	p.E11Q
OR4D6	NM_001004708	c.G452C	p.S151T
OR4D6	NM_001004708	c.T788C	p.M263T
OR4D6	NM_001004708	c.A287G	p.D96G
OR4D9	NM_001004711	c.A476G	p.Q159R
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OR4E2	NM_001001912	c.C722T	p.S241L
OR4E2	NM_001001912	c.G352A	p.V118M
OR4E2	NM_001001912	c.T796C	p.S266P
OR4F15	NM_001001674	c.G814A	p.A272T
OR4F6	NM_001005326	c.C160T	p.R54C
OR4F6	NM_001005326	c.G161A	p.R54H
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OR4K1	NM_001004063	c.G413A	p.R138Q

OR4K1	NM_001004063	c.G911A	p.R304H
OR4K14	NM_001004712	c.T434G	p.L145R
OR4K15	NM_001005486	c.C764A	p.A255E
OR4K15	NM_001005486	c.C930G	p.I310M
OR4K15	NM_001005486	c.G485A	p.R162H
OR4K15	NM_001005486	c.T349G	p.S117A
OR4K15	NM_001005486	c.T911C	p.L304P
OR4K17	NM_001004715	c.A359G	p.Q120R
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OR4L1	NM_001004717	c.G156T	p.R52S
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OR4N2	NM_001004723	c.C20G	p.T7R
OR4N5	NM_001004724	c.A875G	p.Q292R
OR4Q3	NM_172194	c.A403G	p.T135A
OR4Q3	NM_172194	c.C313A	p.L105I
OR4S1	NM_001004725	c.G60T	p.E20D
OR4S1	NM_001004725	c.T347C	p.M116T
OR4X1	NM_001004726	c.C494T	p.P165L
OR4X1	NM_001004726	c.C844T	p.P282S
OR4X1	NM_001004726	c.A430G	p.R144G
OR51A4	NM_001005329	c.C863T	p.T288M
OR51A7	NM_001004749	c.C820T	p.L274F
OR51A7	NM_001004749	c.G22A	p.E8K
OR51B2	NM_033180	c.C400T	p.L134F
OR51B2	NM_033180	c.C847T	p.P283S
OR51B2	NM_033180	c.T936G	p.S312R
OR51B2	NM_033180	c.G626C	p.C209S
OR51B2	NM_033180	c.T358C	p.C120R
OR51B4	NM_033179	c.C200T	p.T67M
OR51B4	NM_033179	c.G106A	p.V36I
OR51B4	NM_033179	c.T440C	p.M147T
OR51B5	NM_001005567	c.C233A	p.T78K
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OR51B5	NM_001005567	c.196_197insCCACAGACCTGGGG	p.A66fs
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OR51D1	NM_001004751	c.T806C	p.I269T
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OR51E1	NM_152430	c.G32A	p.S11N
OR51E1	NM_152430	c.G580A	p.D194N
OR51E1	NM_152430	c.G587A	p.R196Q
OR51E2	NM_030774	c.C335G	p.T112S
OR51F1	NM_001004752	c.274delC	p.R92fs
OR51F1	NM_001004752	c.A37G	p.T13A
OR51F1	NM_001004752	c.C677T	p.S226F
OR51F1	NM_001004752	c.C752T	p.A251V
OR51F1	NM_001004752	c.C802T	p.R268W
OR51F1	NM_001004752	c.G200T	p.R67M
OR51F1	NM_001004752	c.G880T	p.D294Y
OR51F1	NM_001004752	c.T197C	p.F66S
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OR51G1	NM_001005237	c.A334G	p.M112V
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OR51G1	NM_001005237	c.C341T	p.S114L
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OR51I1	NM_001005288	c.C677A	p.A226D
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OR51M1	NM_001004756	c.T952C	p.F318L
OR51Q1	NM_001004757	c.C437T	p.T146I
OR51Q1	NM_001004757	c.G169T	p.V57F
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OR51Q1	NM_001004757	c.T457C	p.C153R
OR51S1	NM_001004758	c.C155G	p.T52S
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OR52A1	NM_012375	c.803dupG	p.G268fs
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OR52B4	NM_001005161	c.T706C	p.C236R
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OR52E4	NM_001005165	c.T769C	p.F257L
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OR52E8	NM_001005168	c.C316T	p.H106Y
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OR52H1	NM_001005289	c.G3T	p.M1I
OR52H1	NM_001005289	c.G703T	p.G235C
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OR52I1	NM_001005169	c.C794T	p.A265V
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OR52I1	NM_001005169	c.T851C	p.L284P
OR52I2	NM_001005170	c.C500T	p.T167M
OR52I2	NM_001005170	c.T74C	p.L25P
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OR52K2	NM_001005172	c.C904T	p.R302C
OR52K2	NM_001005172	c.G707A	p.R236H
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OR52L1	NM_001005173	c.T418C	p.C140R
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OR52L1	NM_001005173	c.T481C	p.C161R
OR52N1	NM_001001913	c.240delT	p.L80fs

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OR52N1	NM_001001913	c.G301A	p.A101T
OR52N1	NM_001001913	c.T739A	p.F247I
OR52N2	NM_001005174	c.A791G	p.H264R
OR52N2	NM_001005174	c.G136A	p.G46R
OR52N2	NM_001005174	c.T718A	p.F240I
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OR52N2	NM_001005174	c.T764G	p.V255G
OR52N4	NM_001005175	c.T625G	p.W209G
OR52N4	NM_001005175	c.A653T	p.N218I
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OR52N5	NM_001001922	c.G397A	p.V133I
OR52R1	NM_001005177	c.A601T	p.N201Y
OR52R1	NM_001005177	c.G664A	p.V222M
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OR52W1	NM_001005178	c.A716G	p.H239R
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OR56A1	NM_001001917	c.G527T	p.C176F
OR56A3	NM_001003443	c.T152C	p.M51T
OR56A4	NM_001005179	c.A739G	p.I247V
OR56B1	NM_001005180	c.C640T	p.L214F
OR56B1	NM_001005180	c.T316C	p.C106R
OR56B4	NM_001005181	c.C829T	p.P277S
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OR5A1	NM_001004728	c.G437A	p.R146H
OR5A1	NM_001004728	c.G547A	p.D183N
OR5A2	NM_001001954	c.C515T	p.P172L
OR5A2	NM_001001954	c.T307C	p.F103L
OR5AC2	NM_054106	c.G289C	p.A97P
OR5AC2	NM_054106	c.G600A	p.M200I
OR5AK2	NM_001005323	c.G11T	p.G4V
OR5AK2	NM_001005323	c.G276A	p.M92I
OR5AK2	NM_001005323	c.G640A	p.V214I
OR5AN1	NM_001004729	c.G7A	p.G3R
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OR5AP2	NM_001002925	c.G313A	p.A105T
OR5AS1	NM_001001921	c.A929G	p.Y310C
OR5AS1	NM_001001921	c.G365T	p.R122L
OR5AU1	NM_001004731	c.A895G	p.I299V
OR5AU1	NM_001004731	c.C349T	p.L117F
OR5B12	NM_001004733	c.G422A	p.C141Y
OR5B17	NM_001005489	c.A923G	p.Y308C
OR5B17	NM_001005489	c.T238A	p.L80I
OR5B17	NM_001005489	c.T731C	p.I244T
OR5B17	NM_001005489	c.T769C	p.Y257H
OR5B2	NM_001005566	c.T599C	p.M200T
OR5B2	NM_001005566	c.T623C	p.V208A



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OR5B3	NM_001005469	c.A103T	p.I35F
OR5B3	NM_001005469	c.A509G	p.N170S
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OR5D14	NM_001004735	c.G331A	p.V111M
OR5D14	NM_001004735	c.G571A	p.G191S
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OR5D16	NM_001005496	c.G466A	p.A156T
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OR5D18	NM_001001952	c.A809G	p.H270R
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OR5F1	NM_003697	c.C821T	p.A274V
OR5F1	NM_003697	c.T851C	p.M284T
OR5H14	NM_001005514	c.G190A	p.G64R
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OR5H15	NM_001005515	c.G895C	p.V299L
OR5H15	NM_001005515	c.T442A	p.S148T
OR5H2	NM_001005482	c.A127G	p.T43A
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OR5H2	NM_001005482	c.G46C	p.E16Q
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OR5H6	NM_001005479	c.A814G	p.T272A
OR5H6	NM_001005479	c.T583C	p.C195R
OR5I1	NM_006637	c.A16G	p.R6G
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OR5I1	NM_006637	c.G916A	p.V306I
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OR5I1	NM_006637	c.T227C	p.F76S
OR5J2	NM_001005492	c.A133G	p.M45V
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OR5K3	NM_001005516	c.T529C	p.F177L
OR5K4	NM_001005517	c.A616G	p.I206V
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OR5L1	NM_001004738	c.C160T	p.R54W

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OR5M1	NM_001004740	c.C8T	p.S3F
OR5M1	NM_001004740	c.G205A	p.V69I
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OR5M3	NM_001004742	c.A472T	p.T158S
OR5M8	NM_001005282	c.G886A	p.V296I
OR5M9	NM_001004743	c.A809G	p.K270R
OR5M9	NM_001004743	c.C200T	p.A67V
OR5M9	NM_001004743	c.C550A	p.Q184K
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OR5P2	NM_153444	c.G19A	p.G7R
OR5P2	NM_153444	c.G638C	p.C213S
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OR5T2	NM_001004746	c.C191T	p.T64I
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OR5T2	NM_001004746	c.G259C	p.V87L
OR5V1	NM_030876	c.G697A	p.G233R
OR5V1	NM_030876	c.T68G	p.L23W
OR5W2	NM_001001960	c.A194G	p.H65R
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OR5W2	NM_001001960	c.T643C	p.F215L
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OR6B3	NM_173351	c.G701A	p.C234Y
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OR6C1	NM_001005182	c.G736A	p.V246I
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OR6C3	NM_054104	c.C206T	p.S69L
OR6C3	NM_054104	c.G580A	p.V194I

OR6C6	NM_001005493	c.C314T	p.P105L
OR6C6	NM_001005493	c.C569T	p.T190I
OR6C65	NM_001005518	c.A664G	p.T222A
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OR6C68	NM_001005519	c.G133A	p.A45T
OR6C68	NM_001005519	c.G926T	p.R309L
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OR7C1	NM_198944	c.G376A	p.V126I
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OR8H1	NM_001005199	c.G4A	p.G2S
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OR8H2	NM_001005200	c.A19G	p.N7D
OR8H2	NM_001005200	c.A462G	p.I154M
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OR8H3	NM_001005201	c.G218A	p.S73N

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OR8I2	NM_001003750	c.A370G	p.I124V
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ORC3	NM_001197259	c.G220A	p.V74I
ORC3	NM_012381	c.C1784T	p.P595L
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ORC3	NM_181837	c.C1787T	p.P596L
ORC4	NM_001190879	c.C166G	p.L56V
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ORM2	NM_000608	c.G490A	p.D164N
OS9	NM_001261420	c.A1535G	p.E512G
OS9	NM_001261420	c.C1364T	p.S455L
OS9	NM_001261423	c.A1310G	p.E437G
OSBP2	NM_001282738	c.G1339A	p.D447N
OSBP2	NM_001282738	c.G749A	p.R250Q
OSBP2	NM_001282739	c.A2275G	p.M759V

OSBP2	NM_001282739	c.C409T	p.L137F
OSBP2	NM_001282739	c.G1834A	p.D612N
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OSBP2	NM_001282741	c.C671G	p.T224R
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OSBPL1A	NM_018030	c.T889C	p.S297P
OSBPL1A	NM_080597	c.T2428C	p.S810P
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OSBPL3	NM_015550	c.G830A	p.R277Q
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OSCAR	NM_001282350	c.G530A	p.R177H
OSCAR	NM_130771	c.G575A	p.R192H
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OSCP1	NM_145047	c.G919A	p.G307R
OSCP1	NM_145047	c.T656C	p.I219T
OSCP1	NM_206837	c.T625C	p.Y209H
OSER1	NM_016470	c.C170T	p.A57V
OSER1	NM_016470	c.T221G	p.V74G
OSGEPL1	NM_022353	c.G292A	p.A98T
OSGIN1	NM_182981	c.A1040G	p.Q347R
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OSMR	NM_001168355	c.C64A	p.Q22K
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OSMR	NM_003999	c.C2849A	p.A950E
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OSTM1	NM_014028	c.A134G	p.D45G
OTOA	NM_144672	c.T44A	p.F15Y
OTOF	NM_001287489	c.C2317T	p.R773C
OTOF	NM_001287489	c.C244T	p.R82C
OTOF	NM_001287489	c.C3332T	p.P1111L
OTOF	NM_001287489	c.C3966G	p.D1322E
OTOF	NM_001287489	c.C4936T	p.P1646S
OTOF	NM_004802	c.C76T	p.R26C
OTOF	NM_194248	c.C2374T	p.R792W
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OTOF	NM_194323	c.C1091T	p.P364L

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OTOGL	NM_173591	c.A6710G	p.N2237S
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OTOL1	NM_001080440	c.A1409C	p.E470A
OTOP1	NM_177998	c.A1478C	p.K493T
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OTOR	NM_020157	c.T2C	p.M1T
OTOR	NM_020157	c.T92C	p.L31P
OTP	NM_032109	c.C247A	p.Q83K
OTP	NM_032109	c.C284T	p.A95V
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OTUD4	NM_001102653	c.G451A	p.A151T
OTUD4	NM_017493	c.C386G	p.A129G
OTUD7A	NM_130901	c.G1441C	p.V481L
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OVCH1	NM_183378	c.A988G	p.K330E
OVCH1	NM_183378	c.C2015T	p.S672F
OVCH1	NM_183378	c.C2800T	p.P934S
OVCH1	NM_183378	c.G2641C	p.A881P
OVCH1	NM_183378	c.T682G	p.W228G
OVCH1	NM_183378	c.C1331T	p.T444I
OVCH2	NM_198185	c.A1578T	p.Q526H
OVCH2	NM_198185	c.A70G	p.T24A
OVCH2	NM_198185	c.C1279T	p.P427S
OVCH2	NM_198185	c.G1237C	p.G413R
OVCH2	NM_198185	c.G770A	p.G257D
OVCH2	NM_198185	c.C874T	p.P292S
OVGP1	NM_002557	c.A1435G	p.M479V
OVGP1	NM_002557	c.C1812G	p.H604Q
OVGP1	NM_002557	c.C996A	p.D332E
OVGP1	NM_002557	c.T1430C	p.M477T

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OXA1L	NM_005015	c.G451A	p.V151I
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OXCT1	NM_000436	c.C112T	p.R38C
OXER1	NM_148962	c.G120C	p.M40I
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OXGR1	NM_080818	c.G136A	p.V46M
OXLD1	NM_001304994	c.C53A	p.P18Q
OXNAD1	NM_138381	c.C244T	p.R82C
OXNAD1	NM_138381	c.T190G	p.S64A
OXSR1	NM_005109	c.C911T	p.T304I
OXTR	NM_000916	c.G652A	p.A218T
P2RX1	NM_002558	c.G1142A	p.R381H
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P2RY2	NM_176071	c.T1075C	p.S359P



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PACSIN2	NM_007229	c.C773A	p.S258Y
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PDXDC1	NM_001285447	c.C1237G	p.L413V
PDXDC1	NM_001285450	c.C1213G	p.L405V
PDXK	NM_003681	c.C374T	p.S125L
PDXK	NM_003681	c.C785T	p.T262I
PDXP	NM_020315	c.G695T	p.R232L
P DYN	NM_001190900	c.A436C	p.M146L
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PDZD2	NM_178140	c.C4946T	p.A1649V
PDZD2	NM_178140	c.C5732T	p.T1911M
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PDZD2	NM_178140	c.G4726A	p.G1576S
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PEAR1	NM_001080471	c.G1027A	p.D343N
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PEG3	NM_001146184	c.G4727A	p.R1576H
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PHF19	NM_001286840	c.C1522T	p.R508W
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PHYH	NM_006214	c.C85T	p.P29S
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PHYHD1	NM_001100876	c.G86T	p.C29F
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PHYHIP	NM_001099335	c.C829T	p.R277C
PHYHIPL	NM_001143774	c.G946C	p.V316L
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PI16	NM_001199159	c.A148C	p.T50P
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PI3	NM_002638	c.C50T	p.T17M
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PIAS3	NM_006099	c.C1169G	p.S390C
PIAS4	NM_015897	c.G1225A	p.A409T
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PLS1	NM_001172312	c.A438G	p.I146M
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PLSCR3	NM_001201576	c.G877A	p.V293I
PLSCR4	NM_001128304	c.A463G	p.I155V
PLSCR4	NM_001128305	c.C451A	p.Q151K
PLTP	NM_182676	c.C982T	p.R328W
PLVAP	NM_031310	c.C441A	p.F147L
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PLXDC1	NM_020405	c.303delG	p.E101fs
PLXDC1	NM_020405	c.G1385A	p.R462H
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PLXDC1	NM_020405	c.G446A	p.R149Q
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PLXDC2	NM_001282736	c.A310C	p.N104H
PLXDC2	NM_032812	c.G1186A	p.V396I
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PLXNA1	NM_032242	c.G329A	p.S110N
PLXNA1	NM_032242	c.G3401A	p.R1134H
PLXNA1	NM_032242	c.G640A	p.D214N
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PLXNA2	NM_025179	c.G752T	p.G251V
PLXNA2	NM_025179	c.G799A	p.A267T

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PMF1	NM_001199653	c.C410T	p.P137L
PMF1	NM_001199653	c.G10A	p.A4T
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PMF1	NM_001199654	c.C439T	p.R147W
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PMF1	NM_001199654	c.G452A	p.R151Q
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PMVK	NM_006556	c.T287C	p.V96A
PNKD	NM_015488	c.G293T	p.R98L
PNKD	NM_022572	c.G221T	p.R74L
PNKD	NM_022572	c.G383A	p.R128Q
PNLDC1	NM_173516	c.A467C	p.E156A
PNLIPRP1	NM_001303135	c.A181G	p.N61D
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PNLIPRP3	NM_001011709	c.C4T	p.L2F
PNLIPRP3	NM_001011709	c.T994C	p.F332L
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PNN	NM_002687	c.C305T	p.P102L
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PNPLA8	NM_001256007	c.T1135G	p.C379G
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PNPO	NM_018129	c.G347A	p.R116Q
PNPT1	NM_033109	c.A1768G	p.N590D
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POFUT1	NM_015352	c.G1042A	p.D348N
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POGZ	NM_001194937	c.G70A	p.V24I
POLA2	NM_002689	c.G1747A	p.G583R
POLB	NM_002690	c.C725G	p.P242R

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POLE	NM_006231	c.A4057G	p.S1353G
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POLE	NM_006231	c.G4055C	p.G1352A
POLE	NM_006231	c.G91T	p.A31S
POLG	NM_001126131	c.A3428G	p.E1143G
POLG	NM_001126131	c.C1174G	p.L392V
POLG	NM_001126131	c.G1399A	p.A467T
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POLH	NM_001291969	c.A1567T	p.M523L
POLH	NM_006502	c.A1939T	p.M647L
POLH	NM_006502	c.C2024A	p.S675Y
POLI	NM_007195	c.A783G	p.I261M
POLI	NM_007195	c.G1957C	p.V653L
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POLQ	NM_199420	c.C1742T	p.A581V
POLQ	NM_199420	c.C4141A	p.P1381T
POLQ	NM_199420	c.C6911T	p.A2304V
POLQ	NM_199420	c.C7612G	p.L2538V
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POLR1A	NM_015425	c.G1511A	p.R504H
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POLR3B	NM_001160708	c.C1900A	p.Q634K
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POMGNT1	NM_001243766	c.G266A	p.R89Q
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PON1	NM_000446	c.C119T	p.P40L
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PON2	NM_000305	c.C443G	p.A148G
PON2	NM_000305	c.C932G	p.S311C
PON2	NM_001018161	c.C407G	p.A136G
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PON3	NM_000940	c.G971A	p.G324D
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POP7	NM_005837	c.G292A	p.V98M
POPDC2	NM_022135	c.G85A	p.V29I
POPDC3	NM_022361	c.G317A	p.R106Q
POR	NM_000941	c.C1508T	p.A503V
POR	NM_000941	c.G1891A	p.V631I
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POTEA	NM_001002920	c.A1271C	p.H424P
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POTEC	NM_001137671	c.G498T	p.M166I
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PRKG1	NM_006258	c.A845G	p.N282S
PRKRA	NM_003690	c.A173G	p.D58G
PRKRA	NM_003690	c.C32T	p.P11L
PRL	NM_001163558	c.G350A	p.R117Q



PRLR	NM_000949	c.A508C	p.I170L
PRLR	NM_001204315	c.A298G	p.I100V
PRMT1	NM_198318	c.G281A	p.R94H
PRMT6	NM_018137	c.C581T	p.A194V
PRMT7	NM_001184824	c.C1532G	p.A511G
PRMT7	NM_001184824	c.T1765C	p.C589R
PRMT9	NM_138364	c.A857G	p.E286G
PRND	NM_012409	c.C167T	p.P56L
PRND	NM_012409	c.C521T	p.T174M
PRND	NM_012409	c.C77T	p.T26M
PRNP	NM_000311	c.A385G	p.M129V
PROC	NM_000312	c.A703C	p.K235Q
PROC	NM_000312	c.G1218A	p.M406I
PROCA1	NM_001304951	c.G562C	p.E188Q
PROCA1	NM_001304951	c.T533C	p.I178T
PROCA1	NM_001304953	c.G694C	p.E232Q
PROCR	NM_006404	c.A655G	p.S219G
PRODH	NM_001195226	c.C500A	p.T167N
PRODH	NM_001195226	c.G326A	p.R109H
PRODH	NM_001195226	c.T229C	p.W77R
PRODH	NM_001195226	c.T998C	p.L333P
PRODH	NM_016335	c.C824A	p.T275N
PRODH	NM_016335	c.G650A	p.R217H
PRODH	NM_016335	c.T1322C	p.L441P
PRODH	NM_016335	c.T553C	p.W185R
PRODH	NM_001195226	c.G1238A	p.R413Q
PRODH	NM_016335	c.G1562A	p.R521Q
PRODH2	NM_021232	c.G1123A	p.G375R
PRODH2	NM_021232	c.G1574A	p.R525Q
PRODH2	NM_021232	c.G914A	p.R305Q
PROK1	NM_032414	c.G199A	p.V67I
PROKR1	NM_138964	c.A106T	p.N36Y
PROKR1	NM_138964	c.A1135G	p.I379V
PROKR1	NM_138964	c.A118G	p.S40G
PROKR2	NM_144773	c.G991A	p.V331M
PROM1	NM_001145852	c.T55G	p.S19A
PROM2	NM_001165977	c.G1282A	p.V428M
PROM2	NM_001165977	c.G1537A	p.G513S
PROM2	NM_001165977	c.G164A	p.R55H
PROM2	NM_001165978	c.A1523G	p.Q508R
PROP1	NM_006261	c.150delA	p.G50fs
PROP1	NM_006261	c.G424A	p.A142T
PROSER1	NM_025138	c.A1576G	p.T526A
PROSER2	NM_153256	c.G119A	p.R40H
PROSER2	NM_153256	c.G349A	p.A117T
PROSER2	NM_153256	c.G607A	p.E203K
PROSER3	NM_001039887	c.C719T	p.S240L
PROSER3	NM_001039887	c.C974T	p.A325V
PROSER3	NM_001039887	c.G1095C	p.K365N
PROX2	NM_001080408	c.G103A	p.D35N

PROZ	NM_001256134	c.G950A	p.R317H
PROZ	NM_003891	c.C31G	p.L11V
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PRPF38B	NM_018061	c.G1055A	p.R352K
PRPF4	NM_001244926	c.A230G	p.H77R
PRPF4	NM_004697	c.A233G	p.H78R
PRPF4B	NM_003913	c.A247G	p.I83V
PRPH	NM_006262	c.G26A	p.R9Q
PRPH2	NM_000322	c.A1013G	p.D338G
PRPH2	NM_000322	c.C910G	p.Q304E
PRPH2	NM_000322	c.G929A	p.R310K
PRPS1L1	NM_175886	c.C145G	p.R49G
PRPS1L1	NM_175886	c.G837T	p.E279D
PRPS1L1	NM_175886	c.433_434insTGTAT	p.L145fs
PRR11	NM_018304	c.G20A	p.R7Q
PRR12	NM_020719	c.C1948T	p.P650S
PRR15	NM_175887	c.C371A	p.P124H
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PRR16	NM_001300783	c.T517C	p.C173R
PRR16	NM_016644	c.C259A	p.P87T
PRR18	NM_175922	c.G407C	p.C136S
PRR21	NM_001080835	c.C88T	p.H30Y
PRR21	NM_001080835	c.T1138G	p.S380A
PRR23A	NM_001134659	c.A253G	p.T85A
PRR23C	NM_001134657	c.C609A	p.N203K
PRR25	NM_001013638	c.G770A	p.R257Q
PRR25	NM_001013638	c.G846C	p.L282F
PRR27	NM_214711	c.A130G	p.I44V
PRR27	NM_214711	c.C271T	p.R91C
PRR29	NM_001191029	c.G662A	p.C221Y
PRR3	NM_025263	c.C259T	p.R87W
PRR3	NM_025263	c.G181A	p.G61S
PRR30	NM_178553	c.903_904insCCCCCCC	p.L302fs
PRR30	NM_178553	c.C149G	p.P50R
PRR30	NM_178553	c.C769T	p.R257W
PRR34	NM_018280	c.A410G	p.Q137R
PRR4	NM_007244	c.G287A	p.R96Q
PRR4	NM_001098538	c.A127G	p.R43G
PRR4	NM_007244	c.A359G	p.Q120R
PRR5	NM_001017529	c.G311A	p.R104H
PRR5	NM_015366	c.G569A	p.R190H
PRR5	NM_015366	c.G619A	p.G207S
PRR5-ARHGAP8	NM_181334	c.C347T	p.A116V
PRR5-ARHGAP8	NM_181334	c.G1622A	p.R541Q
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PRR5L	NM_001160168	c.A172G	p.T58A
PRR5L	NM_001160168	c.C604T	p.P202S
PRR5L	NM_001160167	c.G121A	p.A41T
PRRC1	NM_001286808	c.C104T	p.A35V
PRRC2A	NM_004638	c.C1544T	p.P515L

PRRC2A	NM_004638	c.C317T	p.P106L
PRRC2A	NM_004638	c.C3656A	p.S1219Y
PRRC2A	NM_004638	c.C6016T	p.P2006S
PRRC2A	NM_004638	c.C6389T	p.P2130L
PRRC2A	NM_004638	c.C694T	p.R232W
PRRC2A	NM_004638	c.G2801A	p.R934H
PRRC2A	NM_004638	c.G3854C	p.G1285A
PRRC2A	NM_004638	c.G3862C	p.E1288Q
PRRC2A	NM_004638	c.G4688A	p.R1563Q
PRRC2A	NM_004638	c.G5219A	p.R1740H
PRRC2A	NM_080686	c.C6223T	p.R2075W
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PRRC2A	NM_080686	c.T6248C	p.F2083S
PRRC2A	NM_004638	c.C1631A	p.T544K
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PRRC2B	NM_013318	c.G238A	p.V80I
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PRRC2B	NM_013318	c.G781A	p.V261I
PRRC2C	NM_015172	c.A5980G	p.N1994D
PRRC2C	NM_015172	c.A7703G	p.N2568S
PRRC2C	NM_015172	c.A8149G	p.T2717A
PRRC2C	NM_015172	c.G2762A	p.R921Q
PRRC2C	NM_015172	c.G703A	p.A235T
PRRC2C	NM_015172	c.C4871G	p.S1624C
PRRC2C	NM_015172	c.G2716A	p.A906T
PRRG2	NM_000951	c.G346T	p.G116C
PRRG4	NM_024081	c.C527A	p.P176Q
PRRT2	NM_145239	c.C647T	p.P216L
PRRT3	NM_207351	c.C1000G	p.R334G
PRRT3	NM_207351	c.G699C	p.L233F
PRRT3	NM_207351	c.G802A	p.A268T
PRRT4	NM_001174164	c.C2477T	p.P826L
PRRX1	NM_006902	c.C38T	p.P13L
PRRX2	NM_016307	c.C706T	p.R236C
PRSS12	NM_003619	c.G1816T	p.A606S
PRSS16	NM_005865	c.G311T	p.S104I
PRSS21	NM_144956	c.C550T	p.P184S
PRSS23	NM_001293180	c.G166A	p.E56K
PRSS35	NM_001170423	c.G671A	p.R224Q
PRSS37	NM_001008270	c.A355C	p.T119P
PRSS37	NM_001171951	c.A37G	p.T13A
PRSS38	NM_183062	c.C368A	p.A123D
PRSS38	NM_183062	c.G259A	p.G87S
PRSS38	NM_183062	c.G739C	p.G247R
PRSS38	NM_183062	c.G764A	p.R255H
PRSS38	NM_183062	c.G91A	p.A31T

PRSS45	NM_199183	c.A568G	p.I190V
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PRSS48	NM_183375	c.G158A	p.C53Y
PRSS50	NM_013270	c.C545T	p.P182L
PRSS50	NM_013270	c.G587A	p.R196Q
PRSS54	NM_001305173	c.A883G	p.T295A
PRSS54	NM_001305173	c.G718A	p.V240I
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PRSS54	NM_001305174	c.G421A	p.V141I
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PRSS55	NM_001197020	c.G43A	p.G15R
PRSS55	NM_001197020	c.T784C	p.S262P
PRSS57	NM_214710	c.G847A	p.A283T
PRSS58	NM_001001317	c.G241A	p.V81M
PRTG	NM_173814	c.A2930C	p.K977T
PRTG	NM_173814	c.A3184T	p.I1062L
PRTG	NM_173814	c.A706G	p.T236A
PRTN3	NM_002777	c.A554T	p.H185L
PRTN3	NM_002777	c.G355A	p.V119I
PRUNE	NM_001303229	c.C797T	p.A266V
PRUNE	NM_001303242	c.C1184T	p.A395V
PRUNE2	NM_015225	c.A2449G	p.N817D
PRUNE2	NM_015225	c.A2782G	p.K928E
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PRUNE2	NM_015225	c.G268A	p.D90N
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PRUNE2	NM_015225	c.G6550A	p.A2184T
PRUNE2	NM_015225	c.G7316T	p.S2439I
PRUNE2	NM_015225	c.G7717A	p.A2573T
PRUNE2	NM_015225	c.T4516C	p.C1506R
PRUNE2	NM_015225	c.T7531C	p.S2511P
PRX	NM_181882	c.A2763G	p.I921M
PRX	NM_181882	c.G1216A	p.A406T
PRX	NM_181882	c.T2645C	p.V882A
PRX	NM_181882	c.G3394A	p.G1132R
PSAP	NM_002778	c.C1088T	p.T363M
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PSAPL1	NM_001085382	c.C782T	p.A261V
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PSAPL1	NM_001085382	c.G121T	p.A41S

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PSAPL1	NM_001085382	c.G886A	p.V296M
PSCA	NM_005672	c.G88A	p.E30K
PSD	NM_001270965	c.A2326G	p.T776A
PSD	NM_001270965	c.C1546T	p.L516F
PSD	NM_001270965	c.G325A	p.A109T
PSD	NM_001270966	c.A1189G	p.T397A
PSD	NM_001270966	c.C409T	p.L137F
PSD2	NM_032289	c.A812C	p.N271T
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PSD2	NM_032289	c.G973A	p.E325K
PSD3	NM_015310	c.556_557insT	p.T186fs
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PSD3	NM_015310	c.G1046T	p.G349V
PSD3	NM_015310	c.G344T	p.R115I
PSD3	NM_015310	c.G845C	p.G282A
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PSD4	NM_012455	c.G1094A	p.C365Y
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PSEN1	NM_000021	c.A953G	p.E318G
PSEN1	NM_007318	c.A941G	p.E314G
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PSEN2	NM_000447	c.C389T	p.S130L
PSEN2	NM_000447	c.G185A	p.R62H
PSEN2	NM_012486	c.C211T	p.R71W
PSG11	NM_001113410	c.A424G	p.N142D
PSG11	NM_002785	c.A790G	p.N264D
PSG2	NM_031246	c.G911A	p.R304H
PSG5	NM_002781	c.G680A	p.R227H
PSG6	NM_001031850	c.C419A	p.T140N
PSG8	NM_001130167	c.357delC	p.S119fs
PSG8	NM_001130167	c.A944C	p.Q315P
PSG8	NM_001130168	c.A578C	p.Q193P
PSKH2	NM_033126	c.A1006G	p.I336V
PSKH2	NM_033126	c.A395G	p.Q132R
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PSMA8	NM_001025096	c.T317C	p.V106A
PSMA8	NM_144662	c.T335C	p.V112A
PSMB11	NM_001099780	c.236delC	p.A79fs
PSMB11	NM_001099780	c.C368T	p.P123L
PSMB3	NM_002795	c.A100T	p.M34L
PSMB4	NM_002796	c.T701C	p.I234T
PSMB5	NM_001144932	c.C70T	p.R24C
PSMB6	NM_001270481	c.G130T	p.G44W
PSMB7	NM_002799	c.T116C	p.V39A

PSMB8	NM_148919	c.C145A	p.Q49K
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PSMB9	NM_002800	c.G179A	p.R60H
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PSMC5	NM_001199163	c.A19C	p.K7Q
PSMD13	NM_002817	c.A38G	p.N13S
PSMD13	NM_175932	c.A163G	p.N55D
PSMD13	NM_175932	c.G196A	p.A66T
PSMD2	NM_001278708	c.G136A	p.A46T
PSMD2	NM_001278708	c.G549T	p.E183D
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PSMD2	NM_002808	c.G939T	p.E313D
PSMD5	NM_001270427	c.A736C	p.I246L
PSMD5	NM_005047	c.A865C	p.I289L
PSMD9	NM_001261400	c.A275G	p.E92G
PSMD9	NM_002813	c.A497G	p.N166S
PSMD9	NM_002813	c.A590G	p.E197G
PSMD9	NM_002813	c.T50C	p.V17A
PSME4	NM_014614	c.A2614G	p.I872V
PSME4	NM_014614	c.T4111A	p.S1371T
PSMF1	NM_006814	c.T107G	p.F36C
PSMF1	NM_178578	c.G725A	p.R242H
PSORS1C1	NM_014068	c.C398T	p.P133L
PSORS1C1	NM_014068	c.C70A	p.P24T
PSORS1C1	NM_014068	c.G100A	p.E34K
PSORS1C1	NM_014068	c.G110A	p.R37H
PSORS1C2	NM_014069	c.281delC	p.P94fs
PSORS1C2	NM_014069	c.A11G	p.N4S
PSORS1C2	NM_014069	c.G74A	p.G25D
PSORS1C2	NM_014069	c.T248C	p.L83P
PSPN	NM_004158	c.G7A	p.V3I
PSRC1	NM_001005290	c.C665T	p.A222V
PSRC1	NM_001005290	c.G784A	p.A262T
PSRC1	NM_001032291	c.C257T	p.A86V
PSTK	NM_153336	c.G616C	p.G206R
PSTPIP1	NM_003978	c.A1151G	p.D384G
PSTPIP1	NM_003978	c.C628T	p.R210W
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PTBP3	NM_001244897	c.A1633G	p.T545A
PTCH1	NM_000264	c.C3845T	p.P1282L
PTCH1	NM_000264	c.C3944T	p.P1315L
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PTCH1	NM_001083603	c.C3941T	p.P1314L
PTCH1	NM_001083603	c.G3484A	p.G1162S
PTCH1	NM_001083605	c.C3491T	p.P1164L
PTCH1	NM_001083606	c.A3130T	p.T1044S
PTCH1	NM_001083607	c.C2702T	p.T901M
PTCH1	NM_001083602	c.C3746T	p.P1249L

PTCH2	NM_001166292	c.G1073A	p.R358H
PTCH2	NM_001166292	c.G3280C	p.V1094L
PTCHD2	NM_020780	c.C155T	p.A52V
PTCHD2	NM_020780	c.C1949T	p.A650V
PTCHD2	NM_020780	c.G1948A	p.A650T
PTCHD2	NM_020780	c.G1982C	p.G661A
PTCHD2	NM_020780	c.G544A	p.G182S
PTCHD3	NM_001034842	c.1767delA	p.R589fs
PTCHD3	NM_001034842	c.A1418G	p.D473G
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PTCHD3	NM_001034842	c.A1752G	p.I584M
PTCHD4	NM_001013732	c.A2455G	p.K819E
PTCHD4	NM_001013732	c.G407A	p.R136Q
PTCRA	NM_001243168	c.G316A	p.V106I
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PTDSS2	NM_030783	c.C1268T	p.A423V
PTER	NM_001001484	c.G641A	p.R214Q
PTF1A	NM_178161	c.T787C	p.S263P
PTGDR	NM_000953	c.G995A	p.R332Q
PTGDR2	NM_004778	c.T611C	p.V204A
PTGER4	NM_000958	c.G880A	p.V294I
PTGES2	NM_001256335	c.G320A	p.R107H
PTGES2	NM_025072	c.G296A	p.R99H
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PTGES3L	NM_001142653	c.G173T	p.R58M
PTGES3L	NM_001261430	c.G196A	p.V66I
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PTGES3L-AARSD1	NM_001136042	c.G173T	p.R58M
PTGES3L-AARSD1	NM_025267	c.G1388C	p.G463A
PTGES3L-AARSD1	NM_025267	c.T9G	p.F3L
PTGFRN	NM_020440	c.G1289A	p.R430Q
PTGFRN	NM_020440	c.G2509A	p.V837I
PTGFRN	NM_020440	c.T829A	p.S277T
PTGIR	NM_000960	c.C956G	p.S319W
PTGIS	NM_000961	c.G1444A	p.G482S
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PTGS1	NM_001271166	c.C382A	p.L128M
PTGS1	NM_001271166	c.G1216A	p.E406K
PTGS1	NM_001271368	c.C634A	p.L212M
PTGS1	NM_000962	c.G23C	p.W8S
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PTH2R	NM_005048	c.G673T	p.A225S
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PTK2B	NM_173174	c.A778G	p.I260V
PTK2B	NM_173175	c.A2387C	p.K796T
PTK7	NM_001270398	c.A1252T	p.T418S
PTK7	NM_001270398	c.C2354T	p.A785V
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PTK7	NM_002821	c.A1228T	p.T410S
PTK7	NM_002821	c.G2235C	p.E745D
PTK7	NM_152880	c.C1034T	p.P345L
PTK7	NM_152880	c.C2210T	p.A737V
PTK7	NM_152880	c.G2115C	p.E705D
PTK7	NM_152881	c.G2723A	p.R908Q
PTOV1	NM_001305105	c.A754G	p.I252V
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PTP4A3	NM_007079	c.C20T	p.P7L
PTPMT1	NM_001143984	c.C278T	p.S93L
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PUS3	NM_031307	c.T7G	p.Y3D
PUS7L	NM_001098614	c.G2044A	p.D682N
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PUS7L	NM_001098615	c.T276G	p.I92M
PUSL1	NM_153339	c.G308A	p.R103Q
PVR	NM_001135769	c.G199A	p.A67T
PVR	NM_001135770	c.C1171A	p.R391S
PVR	NM_006505	c.A830G	p.Y277C
PVR	NM_001135770	c.A1020G	p.I340M
PVRIG	NM_024070	c.C260T	p.T87M
PVRL1	NM_203285	c.T1082G	p.V361G
PVRL2	NM_001042724	c.G1601A	p.R534Q
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PXN	NM_001080855	c.A217G	p.S73G
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PYCR1	NM_001282279	c.345delC	p.P115fs
PYCRL	NM_023078	c.G349A	p.V117M
PYDC1	NM_152901	c.114_115insATCCCGCGGGGCGC	p.I39fs
PYDC2	NM_001083308	c.A242G	p.Q81R
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PYROXD2	NM_032709	c.C52G	p.P18A
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QPCTL	NM_001163377	c.C577T	p.R193C
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QRFPR	NM_198179	c.T1031C	p.L344S
QRICH2	NM_032134	c.A2921G	p.H974R
QRICH2	NM_032134	c.C206T	p.A69V
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QRSL1	NM_018292	c.A788G	p.N263S
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QSER1	NM_001076786	c.A1502C	p.N501T
QSER1	NM_001076786	c.A1931G	p.Q644R
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QSOX1	NM_001004128	c.G292A	p.A98T
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RAB15	NM_198686	c.G518T	p.G173V
RAB17	NM_022449	c.T572C	p.L191P
RAB19	NM_001008749	c.T454C	p.Y152H
RAB20	NM_017817	c.A401G	p.N134S

RAB20	NM_017817	c.T73C	p.Y25H
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RAB23	NM_001278666	c.G619A	p.G207S
RAB23	NM_001278667	c.T301G	p.S101A
RAB25	NM_020387	c.540_541insAG	p.Q180fs
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RAB26	NM_014353	c.G716A	p.R239Q
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RAB40B	NM_006822	c.C557T	p.P186L
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RAB42	NM_001193532	c.A457T	p.M153L
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RABL6	NM_001173988	c.C1556T	p.P519L
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RABL6	NM_001173988	c.G1419C	p.E473D
RABL6	NM_001173988	c.G1601A	p.R534H
RABL6	NM_001173988	c.G1723A	p.D575N
RABL6	NM_024718	c.C1553T	p.P518L
RABL6	NM_024718	c.C1589T	p.P530L
RABL6	NM_024718	c.G1416C	p.E472D
RAD1	NM_002853	c.A842G	p.E281G
RAD1	NM_002853	c.C311G	p.T104S
RAD17	NM_001278622	c.T1637G	p.L546R
RAD17	NM_133340	c.G1283A	p.R428K
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RAD17	NM_133341	c.T1379G	p.L460R
RAD17	NM_133344	c.G1778A	p.R593K
RAD18	NM_020165	c.G1427A	p.R476H
RAD18	NM_020165	c.G905A	p.R302Q
RAD21L1	NM_001136566	c.A1268C	p.H423P
RAD21L1	NM_001136566	c.T268C	p.C90R

RAD23A	NM_001270362	c.A391G	p.T131A
RAD23A	NM_001270362	c.G536A	p.R179Q
RAD23A	NM_001270363	c.G530A	p.R177Q
RAD50	NM_005732	c.3069delT	p.T1023fs
RAD50	NM_005732	c.A280C	p.I94L
RAD50	NM_005732	c.G379A	p.V127I
RAD51AP2	NM_001099218	c.A2922T	p.E974D
RAD51AP2	NM_001099218	c.G3110A	p.G1037D
RAD51B	NM_133509	c.A539G	p.Y180C
RAD51B	NM_133509	c.C1094G	p.P365R
RAD51C	NM_058216	c.A859G	p.T287A
RAD51D	NM_001142571	c.G554A	p.R185Q
RAD51D	NM_002878	c.G26C	p.C9S
RAD51D	NM_002878	c.G494A	p.R165Q
RAD51D	NM_133629	c.G158A	p.R53Q
RAD52	NM_001297420	c.G538A	p.G180R
RAD54B	NM_012415	c.A2639G	p.D880G
RAD54L	NM_001142548	c.G515A	p.R172H
RAD9B	NM_152442	c.G1105A	p.G369R
RAD9B	NM_001286532	c.155_156insATTCA	p.Q52fs
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RADIL	NM_018059	c.A2902G	p.T968A
RADIL	NM_018059	c.C1234G	p.H412D
RADIL	NM_018059	c.C2573T	p.P858L
RADIL	NM_018059	c.G2512A	p.V838M
RADIL	NM_018059	c.G715A	p.D239N
RADIL	NM_018059	c.G919A	p.D307N
RAE1	NM_003610	c.C385T	p.P129S
RAET1E	NM_001243325	c.C317T	p.T106I
RAET1E	NM_001243325	c.G275A	p.R92H
RAET1E	NM_001243325	c.G313A	p.A105T
RAET1E	NM_001243327	c.C425T	p.T142I
RAET1E	NM_001243327	c.G296A	p.R99Q
RAET1E	NM_001243327	c.G35A	p.R12H
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RAET1E	NM_001243327	c.G421A	p.A141T
RAET1E	NM_001243327	c.T244A	p.Y82N
RAET1E	NM_001243325	c.T136A	p.Y46N
RAET1G	NM_001001788	c.C209G	p.T70R
RAET1L	NM_130900	c.A76G	p.R26G
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RAF1	NM_002880	c.C923T	p.P308L
RAG1	NM_000448	c.A2459G	p.K820R
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RAI1	NM_030665	c.A1538G	p.Q513R
RAI1	NM_030665	c.C1142T	p.A381V
RAI1	NM_030665	c.C4295T	p.P1432L
RAI1	NM_030665	c.C493A	p.P165T
RAI1	NM_030665	c.G301A	p.G101S
RAI1	NM_030665	c.G3650A	p.R1217Q

RAI14	NM_001145520	c.G130A	p.A44T
RAI14	NM_001145521	c.G2608T	p.A870S
RAI14	NM_001145525	c.G139A	p.A47T
RAI14	NM_001145522	c.G2521T	p.A841S
RAI14	NM_001145523	c.G2584T	p.A862S
RAI14	NM_001145525	c.G2617T	p.A873S
RALBP1	NM_006788	c.C1850T	p.A617V
RALGAPA1	NM_001283043	c.A2830G	p.T944A
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RAMP3	NM_005856	c.T166C	p.W56R
RANBP10	NM_020850	c.T1585C	p.Y529H
RANBP17	NM_022897	c.A272G	p.N91S
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RANBP2	NM_006267	c.G816C	p.L272F
RANBP3	NM_001300865	c.G622A	p.D208N
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RANGAP1	NM_001278651	c.G697A	p.A233T
RAP1GAP	NM_001145657	c.A1904G	p.Y635C
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RAP1GAP2	NM_015085	c.C604A	p.L202M
RAPGEF3	NM_001098531	c.G1120A	p.G374S
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RAPGEF3	NM_001098532	c.G272A	p.R91Q
RAPGEF3	NM_001098532	c.G994A	p.G332S
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RAPGEF5	NM_012294	c.C938A	p.P313H
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RARA	NM_001145301	c.C128G	p.T43S
RARG	NM_001243731	c.C917T	p.S306L
RARG	NM_001243732	c.C1214T	p.S405L
RARRES2	NM_002889	c.C173T	p.T58M
RARS	NM_002887	c.G7A	p.V3I
RARS2	NM_020320	c.A872G	p.K291R
RARS2	NM_020320	c.A991G	p.I331V
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RASA1	NM_002890	c.G304T	p.V102L
RASA2	NM_001303246	c.A1603G	p.I535V
RASA3	NM_007368	c.G911A	p.R304Q
RASAL1	NM_001193520	c.C173T	p.T58M
RASAL1	NM_001193520	c.G31C	p.V11L
RASAL1	NM_001193520	c.G962A	p.R321H
RASAL3	NM_022904	c.A2108C	p.Q703P
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RASEF	NM_152573	c.C784T	p.R262C
RASGEF1A	NM_001282862	c.A86G	p.Q29R
RASGEF1A	NM_145313	c.A62G	p.Q21R
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RASGRF2	NM_006909	c.C2516A	p.S839Y
RASGRF2	NM_006909	c.T2138G	p.L713W
RASGRF2	NM_006909	c.T2257C	p.S753P
RASGRP2	NM_153819	c.C1214T	p.P405L
RASGRP3	NM_001139488	c.A1177G	p.T393A
RASGRP3	NM_001139488	c.C1244T	p.T415M
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RASGRP4	NM_001146202	c.G1816A	p.E606K
RASGRP4	NM_001146202	c.T53C	p.I18T
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RASSF1	NM_007182	c.C387G	p.D129E
RASSF1	NM_007182	c.G397T	p.A133S
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RASSF2	NM_014737	c.G449A	p.R150H
RASSF2	NM_014737	c.G452A	p.R151H
RASSF4	NM_032023	c.G185A	p.G62E
RASSF5	NM_182663	c.C448T	p.R150C
RASSF6	NM_001270391	c.C719G	p.A240G
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RASSF6	NM_001270392	c.T355C	p.S119P
RASSF6	NM_201431	c.C917G	p.A306G
RASSF6	NM_201431	c.T487C	p.S163P
RASSF7	NM_001143993	c.C265G	p.P89A
RASSF7	NM_003475	c.C302T	p.P101L
RASSF7	NM_003475	c.C905T	p.A302V
RASSF7	NM_003475	c.C956T	p.P319L
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RASSF8	NM_001164746	c.G607C	p.E203Q
RASSF9	NM_005447	c.G853A	p.A285T
RAVER2	NM_018211	c.G488A	p.R163H
RAX2	NM_032753	c.C155T	p.P52L
RB1	NM_000321	c.A1580T	p.D527V
RB1	NM_000321	c.C1966T	p.R656W
RB1CC1	NM_001083617	c.T701C	p.M234T
RBBP6	NM_006910	c.C1144T	p.P382S
RBBP8	NM_002894	c.G1766A	p.R589H
RBBP8NL	NM_080833	c.G1819A	p.E607K
RBBP8NL	NM_080833	c.G1930A	p.G644R
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RBBP8NL	NM_080833	c.G377A	p.R126Q
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RBCK1	NM_006462	c.C1264T	p.R422C
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RBFA	NM_024805	c.A826C	p.K276Q
RBFA	NM_024805	c.C655G	p.P219A
RBFA	NM_024805	c.G676A	p.G226S
RBFA	NM_024805	c.G773T	p.G258V
RBKS	NM_022128	c.A868G	p.M290V
RBL1	NM_002895	c.T3059C	p.M1020T
RBL2	NM_005611	c.A2487T	p.R829S

RBM11	NM_144770	c.A698G	p.H233R
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RBM12B	NM_203390	c.A2590C	p.N864H
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RBM15	NM_001201545	c.C2003T	p.A668V
RBM15B	NM_013286	c.A1801G	p.S601G
RBM19	NM_001146698	c.A1826G	p.H609R
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RBM19	NM_001146698	c.T1868C	p.I623T
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RBM20	NM_001134363	c.G3667C	p.E1223Q
RBM23	NM_001077351	c.C1284G	p.F428L
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RBM28	NM_001166135	c.A1850G	p.D617G
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RBM28	NM_001166135	c.C1654T	p.H552Y
RBM28	NM_018077	c.A281C	p.N94T
RBM33	NM_053043	c.A1720G	p.T574A
RBM38	NM_017495	c.G676C	p.V226L
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RBM44	NM_001080504	c.A2677C	p.N893H
RBM46	NM_001277171	c.T378G	p.I126M
RBM47	NM_001098634	c.A1693G	p.M565V
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RBM4B	NM_031492	c.G841A	p.A281T
RBM6	NM_005777	c.C1058T	p.S353F
RBMXL1	NM_001162536	c.C292T	p.P98S
RBMXL2	NM_014469	c.C197T	p.A66V
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RBP3	NM_002900	c.A1514T	p.H505L
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RBP5	NM_031491	c.G208C	p.E70Q
RBP5	NM_031491	c.G55A	p.D19N
RBSN	NM_001302378	c.G2166A	p.M722I
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RC3H1	NM_001300852	c.T437C	p.V146A
RCAN3	NM_001251982	c.G491A	p.R164Q
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RCBTB1	NM_018191	c.A207C	p.E69D
RCBTB1	NM_018191	c.C71T	p.A24V
RCCD1	NM_001017919	c.G22T	p.A8S

RCCD1	NM_033544	c.G649T	p.A217S
RCL1	NM_005772	c.G385A	p.V129I
RCVRN	NM_002903	c.120delC	p.P40fs
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RD3	NM_001164688	c.A259G	p.K87E
RD3L	NM_001257268	c.T245C	p.L82P
RDH11	NM_001252650	c.G235A	p.E79K
RDH12	NM_152443	c.G482A	p.R161Q
RDH13	NM_138412	c.G64A	p.A22T
RDH16	NM_003708	c.G503A	p.R168Q
RDH5	NM_001199771	c.A200C	p.D67A
RDH5	NM_002905	c.A481G	p.I161V
RDH8	NM_015725	c.C468G	p.H156Q
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RDM1	NM_001034836	c.A95G	p.H32R
RDM1	NM_001163120	c.T381G	p.C127W
RDM1	NM_001163122	c.T312G	p.C104W
REC8	NM_001048205	c.T806C	p.L269P
RECK	NM_021111	c.A1764T	p.K588N
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RECQL4	NM_004260	c.C1684T	p.R562W
RECQL4	NM_004260	c.C308T	p.P103L
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RECQL4	NM_004260	c.G801C	p.E267D
RECQL4	NM_004260	c.G865A	p.A289T
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RECQL5	NM_004259	c.C1994T	p.P665L
REEP1	NM_001164730	c.C550T	p.R184W
REEP1	NM_001164731	c.C448T	p.R150W
REEP1	NM_001164732	c.C383T	p.S128F
REEP5	NM_005669	c.G445A	p.E149K
REG1B	NM_006507	c.G131A	p.R44H
RELA	NM_001145138	c.G862A	p.D288N
RELL1	NM_001085400	c.G800A	p.R267H
RELL2	NM_001130029	c.C397A	p.L133I
RELL2	NM_001130029	c.C847G	p.Q283E
RELL2	NM_001130029	c.G530A	p.R177H
RELN	NM_005045	c.A1888C	p.S630R
RELN	NM_005045	c.C1799T	p.S600F
RELN	NM_005045	c.C2989G	p.L997V
RELN	NM_005045	c.C3651G	p.I1217M
RELN	NM_005045	c.G3839A	p.G1280E
RELN	NM_173054	c.C7757T	p.T2586I
RELT	NM_032871	c.G1013C	p.R338P
RELT	NM_032871	c.G1198A	p.G400R
RELT	NM_032871	c.G64A	p.A22T
RELT	NM_032871	c.T671C	p.I224T
REM1	NM_014012	c.A83G	p.H28R

REM1	NM_014012	c.C244T	p.R82C
REM1	NM_014012	c.C404G	p.T135S
REM2	NM_173527	c.C235T	p.R79W
REM2	NM_173527	c.G370A	p.G124S
REPIN1	NM_001099695	c.A100G	p.R34G
REPIN1	NM_001099696	c.C290T	p.A97V
REPIN1	NM_001099696	c.G275A	p.R92H
REPS1	NM_001128617	c.G2068A	p.V690I
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REPS1	NM_001286612	c.G1876A	p.V626I
REPS1	NM_031922	c.G2146A	p.V716I
RERE	NM_001042682	c.A287C	p.Q96P
RERE	NM_001042682	c.G1342A	p.A448T
RESP18	NM_001007089	c.G157A	p.E53K
REST	NM_001193508	c.A2284C	p.K762Q
REST	NM_001193508	c.C2203T	p.P735S
REST	NM_001193508	c.C2206T	p.P736S
REST	NM_001193508	c.C2390T	p.P797L
REST	NM_001193508	c.C2443T	p.P815S
REST	NM_001193508	c.G2076T	p.E692D
RET	NM_020630	c.C1118T	p.A373V
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RET	NM_020630	c.G2081A	p.R694Q
RET	NM_020630	c.G341A	p.R114H
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RET	NM_020975	c.G961A	p.G321R
RETSAT	NM_017750	c.G1145A	p.R382Q
RETSAT	NM_017750	c.G1184A	p.R395Q
RETSAT	NM_017750	c.G1756A	p.A586T
RETSAT	NM_017750	c.C1475T	p.S492F
REV1	NM_001037872	c.A1118G	p.N373S
REV1	NM_001037872	c.G412A	p.V138M
REV3L	NM_001286431	c.A3233G	p.Y1078C
REV3L	NM_001286431	c.A3770G	p.N1257S
REV3L	NM_001286431	c.C3437T	p.T1146I
REV3L	NM_001286431	c.G5200C	p.D1734H
REV3L	NM_001286431	c.G5675A	p.R1892H
REV3L	NM_001286431	c.G8956A	p.V2986I
REV3L	NM_002912	c.A3467G	p.Y1156C
REV3L	NM_002912	c.A4004G	p.N1335S
REV3L	NM_002912	c.A6044T	p.E2015V
REV3L	NM_002912	c.C3671T	p.T1224I
REV3L	NM_002912	c.G5434C	p.D1812H
REV3L	NM_002912	c.G9190A	p.V3064I

REXO1	NM_020695	c.A2656G	p.S886G
REXO1	NM_020695	c.C1285T	p.R429W
REXO1	NM_020695	c.T2275C	p.S759P
REXO4	NM_001279349	c.G244A	p.G82R
REXO4	NM_001279349	c.G667A	p.V223I
REXO4	NM_001279350	c.A436G	p.T146A
REXO4	NM_001279350	c.G11A	p.R4K
REXO4	NM_001279350	c.G772A	p.V258I
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REXO4	NM_020385	c.A847G	p.T283A
REXO4	NM_020385	c.G422A	p.R141K
REXO4	NM_020385	c.G890A	p.R297Q
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RFPL1	NM_021026	c.T280C	p.W94R
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RFPL3	NM_006604	c.G289A	p.D97N
RFT1	NM_052859	c.G1283A	p.S428N
RFTN1	NM_015150	c.G1261A	p.V421I
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RFTN2	NM_144629	c.T594G	p.N198K
RFWD3	NM_018124	c.A1690G	p.I564V
RFWD3	NM_018124	c.C269A	p.T90N
RFX1	NM_002918	c.A1108G	p.T370A
RFX1	NM_002918	c.A1634G	p.K545R
RFX2	NM_000635	c.G256A	p.A86T
RFX3	NM_134428	c.C1187T	p.T396I
RFX4	NM_001206691	c.C991T	p.R331W
RFX4	NM_001206691	c.T2119G	p.S707A
RFX4	NM_213594	c.T2092G	p.S698A
RFX5	NM_000449	c.C1226G	p.P409R
RFX5	NM_000449	c.G590A	p.R197Q
RFX6	NM_173560	c.G1733C	p.R578P
RFX8	NM_001145664	c.T1235C	p.M412T
RFXANK	NM_001278727	c.G144C	p.E48D
RGL2	NM_004761	c.G2114A	p.G705E
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RGMA	NM_001166283	c.T11C	p.L4P
RGMA	NM_001166287	c.C1249T	p.R417W
RGMA	NM_020211	c.C1297T	p.R433W
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RGS14	NM_006480	c.G1663A	p.G555R
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RGSL1	NM_001137669	c.A2047G	p.I683V
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RHBDD3	NM_012265	c.A680G	p.H227R
RHBDD3	NM_012265	c.G689T	p.G230V
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RHBDF2	NM_024599	c.A1771G	p.M591V
RHBDF2	NM_024599	c.C448T	p.R150C
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RHBG	NM_001256395	c.A1076G	p.H359R
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RHCE	NM_020485	c.G676C	p.A226P
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RHCG	NM_016321	c.G1060A	p.V354M
RHCG	NM_016321	c.T593C	p.I198T
RHD	NM_001127691	c.A178C	p.I60L
RHD	NM_001127691	c.G520A	p.V174M
RHD	NM_001282870	c.A1273G	p.S425G
RHD	NM_001282871	c.A1363G	p.S455G
RHD	NM_001282871	c.G1141A	p.V381M
RHO	NM_000539	c.G316A	p.G106R
RHOB	NM_004040	c.T452G	p.I151S
RHOBTB2	NM_001160037	c.C809T	p.P270L
RHOBTB2	NM_015178	c.C788T	p.P263L
RHOBTB3	NM_014899	c.A784G	p.N262D
RHOH	NM_001278362	c.G511A	p.V171I
RHOT2	NM_138769	c.C1201T	p.R401C
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RHOT2	NM_138769	c.G1060A	p.G354S
RHOT2	NM_138769	c.G262A	p.A88T
RHOT2	NM_138769	c.G734A	p.R245Q
RHPN1	NM_052924	c.C1718T	p.T573M
RHPN2	NM_033103	c.C1552T	p.R518C



RHPN2	NM_033103	c.G209A	p.R70Q
RHPN2	NM_033103	c.G813A	p.M271I
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RIC3	NM_001206672	c.G811A	p.D271N
RIC8A	NM_001286134	c.C816G	p.H272Q
RICTOR	NM_001285439	c.C1252T	p.H418Y
RICTOR	NM_001285439	c.C2510T	p.S837F
RICTOR	NM_001285439	c.C2719T	p.R907C
RICTOR	NM_001285440	c.C1655T	p.S552F
RICTOR	NM_152756	c.A4361G	p.D1454G
RIF1	NM_001177665	c.A1639G	p.K547E
RIF1	NM_001177665	c.A2548G	p.M850V
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RILPL1	NM_178314	c.A428G	p.N143S
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RIMKLA	NM_173642	c.G973A	p.E325K
RIMS1	NM_014989	c.C3470T	p.P1157L
RIMS2	NM_001100117	c.C833T	p.S278F
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RIOK1	NM_031480	c.G1123A	p.V375I
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RIOK2	NM_018343	c.G523A	p.V175I
RIPK2	NM_003821	c.T776C	p.I259T
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RMND1	NM_017909	c.C395T	p.T132M
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RMND5B	NM_001288795	c.400delA	p.N134fs
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RNASE10	NM_001012975	c.A91G	p.T31A
RNASE10	NM_001012975	c.G392A	p.S131N
RNASE11	NM_145250	c.A220T	p.T74S
RNASE13	NM_001012264	c.C17T	p.T6I
RNASE13	NM_001012264	c.C461T	p.S154L
RNASE3	NM_002935	c.260dupT	p.I87fs
RNASE3	NM_002935	c.C371G	p.T124R
RNASE4	NM_001282192	c.A46T	p.T16S
RNASE4	NM_194431	c.C112T	p.R38W
RNASE6	NM_005615	c.G266A	p.R89Q
RNASE7	NM_032572	c.C346T	p.H116Y
RNASE7	NM_032572	c.G307C	p.A103P
RNASE8	NM_138331	c.C28T	p.P10S
RNASE9	NM_001110357	c.T443C	p.F148S
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RNASEH2A	NM_006397	c.T605C	p.L202S
RNASEH2A	NM_006397	c.T615A	p.D205E
RNASEL	NM_021133	c.G1385A	p.R462Q
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RND1	NM_014470	c.G602A	p.R201Q
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RNF133	NM_139175	c.G3A	p.M1I
RNF135	NM_032322	c.C213G	p.H71Q
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RNF149	NM_173647	c.A25G	p.S9G
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RNF175	NM_173662	c.A475G	p.M159V
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RNF175	NM_173662	c.T965A	p.I322N

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RNF186	NM_019062	c.C622A	p.P208T
RNF207	NM_207396	c.A1718G	p.N573S
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RNF207	NM_207396	c.C1615T	p.R539C
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RSAD1	NM_018346	c.T377C	p.L126S
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RSF1	NM_016578	c.C2134T	p.P712S
RSF1	NM_016578	c.G1519A	p.A507T
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RSPH14	NM_014433	c.C125T	p.T42M
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RSPH6A	NM_030785	c.C1571G	p.P524R
RSPH6A	NM_030785	c.C1895T	p.A632V

RSPH9	NM_001193341	c.G833A	p.R278H
RSPH9	NM_152732	c.G781A	p.V261I
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RUNX3	NM_001031680	c.T53A	p.I18N
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RUSC1	NM_001105205	c.G682A	p.G228S
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RUSC1-AS1	NM_001039517	c.G230A	p.G77D
RUSC2	NM_001135999	c.G2747A	p.R916Q
RWDD3	NM_001199682	c.T258G	p.N86K
RWDD3	NM_001278247	c.T213G	p.N71K
RXFP2	NM_001166058	c.A1738G	p.I580V
RXFP2	NM_130806	c.A1810G	p.I604V
RXFP3	NM_016568	c.C557T	p.S186L
RYR1	NM_000540	c.A4178G	p.K1393R
RYR1	NM_000540	c.A9635G	p.E3212G
RYR1	NM_000540	c.C13502T	p.P4501L
RYR1	NM_000540	c.G10097A	p.R3366H
RYR1	NM_000540	c.G10616A	p.R3539H
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RYR1	NM_001042723	c.A12188G	p.K4063R
RYR1	NM_001042723	c.A13532G	p.E4511G
RYR1	NM_001042723	c.C13487T	p.P4496L
RYR1	NM_001042723	c.G13498C	p.D4500H
RYR2	NM_001035	c.A8873G	p.Q2958R
RYR2	NM_001035	c.C3407T	p.A1136V
RYR2	NM_001035	c.G1519A	p.V507I
RYR2	NM_001035	c.G5656A	p.G1886S
RYR3	NM_001036	c.A2191G	p.I731V
RYR3	NM_001036	c.A5524C	p.K1842Q
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RYR3	NM_001036	c.A8998G	p.I3000V
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RYR3	NM_001036	c.G1480A	p.V494I
RYR3	NM_001036	c.G6809A	p.G2270E
RYR3	NM_001243996	c.A2693G	p.N898S
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SAMD4A	NM_015589	c.A706C	p.T236P
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SAMD9L	NM_001303497	c.G796A	p.V266I
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SAPCD1	NM_001039651	c.T104G	p.F35C
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SARDH	NM_001134707	c.G1116T	p.E372D
SARDH	NM_007101	c.G839A	p.R280Q
SARM1	NM_015077	c.T1498C	p.Y500H
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SARS2	NM_001145901	c.C248T	p.S83L
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SART1	NM_005146	c.G30C	p.E10D
SART3	NM_014706	c.C69G	p.D23E
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SASH1	NM_015278	c.G3266A	p.R1089Q

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SASS6	NM_194292	c.C776T	p.A259V
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SAXO1	NM_153707	c.C187T	p.P63S
SAXO2	NM_001008226	c.C101T	p.P34L
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SCRT1	NM_031309	c.G86A	p.S29N
SCRT2	NM_033129	c.C65T	p.A22V

SCTR	NM_002980	c.G874A	p.A292T
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SCUBE1	NM_173050	c.C1304T	p.P435L
SCUBE1	NM_173050	c.C1771T	p.R591W
SCUBE1	NM_173050	c.G1192C	p.G398R
SCUBE1	NM_173050	c.G1381T	p.A461S
SCUBE1	NM_173050	c.G712A	p.G238S
SCUBE1	NM_173050	c.G727A	p.E243K
SCUBE1	NM_173050	c.T1942C	p.S648P
SCUBE2	NM_001170690	c.C1394T	p.T465M
SCUBE2	NM_001170690	c.C149T	p.A50V
SCUBE2	NM_001170690	c.C177A	p.D59E
SCUBE2	NM_020974	c.C1859T	p.T620M
SCUBE3	NM_001303136	c.G2032A	p.G678R
SCUBE3	NM_152753	c.G2035A	p.G679R
SCYL1	NM_020680	c.G2044A	p.D682N
SCYL2	NM_017988	c.C1070T	p.P357L
SCYL3	NM_020423	c.A1700G	p.Q567R
SCYL3	NM_181093	c.A1862G	p.Q621R
SDAD1	NM_001288983	c.C1613G	p.S538C
SDAD1	NM_001288984	c.C1178A	p.A393D
SDAD1	NM_001288984	c.C1433G	p.S478C
SDAD1	NM_018115	c.C1469A	p.A490D
SDAD1	NM_018115	c.C1724G	p.S575C
SDC1	NM_001006946	c.C203T	p.T68M
SDC1	NM_001006946	c.G244A	p.G82S
SDC1	NM_001006946	c.G346A	p.A116T
SDC1	NM_001006946	c.T407A	p.L136Q
SDC2	NM_002998	c.G175A	p.A59T
SDC2	NM_002998	c.T211A	p.S71T
SDC3	NM_014654	c.C986T	p.T329I
SDC3	NM_014654	c.G622A	p.V208I
SDC3	NM_014654	c.G907A	p.D303N
SDC4	NM_002999	c.T34C	p.F12L
SDCBP	NM_001007068	c.C263T	p.A88V
SDCBP2	NM_001199784	c.C667T	p.R223C
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SDCBP2	NM_001199784	c.G572A	p.R191Q
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SDCBP2	NM_015685	c.C412T	p.R138C
SDCBP2	NM_015685	c.G289A	p.V97M
SDCBP2	NM_015685	c.G317A	p.R106Q
SDCBP2	NM_015685	c.G469A	p.G157R
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SDE2	NM_152608	c.A392G	p.E131G

SDF4	NM_016176	c.G293A	p.R98Q
SDHA	NM_001294332	c.G1825A	p.V609I
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SDHAF4	NM_145267	c.A137G	p.Q46R
SDHAF4	NM_145267	c.C223T	p.P75S
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SDHD	NM_001276503	c.G34A	p.G12S
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SDK1	NM_001079653	c.C221T	p.A74V
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SDK1	NM_152744	c.C4760T	p.A1587V
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SDK2	NM_001144952	c.C1577A	p.T526N
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SEC14L3	NM_001257378	c.T77C	p.I26T
SEC14L3	NM_001257379	c.C10T	p.R4W
SEC14L3	NM_001257379	c.C913T	p.R305C
SEC14L3	NM_001257379	c.G464A	p.R155H

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SEC14L3	NM_174975	c.T1005G	p.D335E
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SEC16A	NM_014866	c.C2786T	p.P929L
SEC16A	NM_014866	c.C5930T	p.P1977L
SEC16A	NM_014866	c.C6173T	p.T2058M
SEC16A	NM_014866	c.G1519A	p.G507R
SEC16A	NM_014866	c.G3488A	p.R1163Q
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SEC16B	NM_033127	c.G2618A	p.S873N
SEC16B	NM_033127	c.G2785T	p.A929S
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SEC22C	NM_004206	c.A362G	p.K121R
SEC23A	NM_006364	c.C631G	p.L211V
SEC23A	NM_006364	c.T500C	p.I167T
SEC23B	NM_001172745	c.C1298T	p.P433L
SEC23B	NM_001172745	c.G1276A	p.V426I
SEC23B	NM_001172746	c.C1244T	p.P415L
SEC23B	NM_032985	c.G490T	p.V164L
SEC23IP	NM_007190	c.A1930G	p.K644E
SEC23IP	NM_007190	c.A2383G	p.M795V
SEC23IP	NM_007190	c.G721T	p.A241S

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SEC31A	NM_001077207	c.G2560T	p.A854S
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SEC31B	NM_015490	c.G271A	p.G91S
SEC31B	NM_015490	c.G3505T	p.A1169S
SEC31B	NM_015490	c.G387T	p.L129F
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SEC31B	NM_015490	c.T3331C	p.Y1111H
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SECISBP2	NM_001282689	c.C1063G	p.Q355E
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SEL1L2	NM_001271539	c.T1722G	p.H574Q
SELE	NM_000450	c.C1402T	p.H468Y
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SELL	NM_000655	c.T616C	p.F206L
SELP	NM_003005	c.A2266C	p.T756P
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SELPLG	NM_001206609	c.A868G	p.M290V
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SELPLG	NM_003006	c.A820G	p.M274V
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SELPLG	NM_003006	c.G113A	p.R38Q
SELPLG	NM_003006	c.G186A	p.M62I
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SEMA3E	NM_001178129	c.G1922T	p.S641I

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SEMA3F	NM_004186	c.G1460A	p.R487H
SEMA4A	NM_001193300	c.G2138A	p.R713Q
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SEMA4F	NM_004263	c.G911A	p.R304Q
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SEMA6D	NM_001198999	c.G751A	p.V251M
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SEMA6D	NM_153619	c.A1283G	p.H428R
SEMA7A	NM_001146029	c.C479T	p.P160L
SEMA7A	NM_001146029	c.G976A	p.G326S
SEMA7A	NM_001146030	c.C26T	p.P9L
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SERPINB10	NM_005024	c.T7G	p.S3A
SERPINB11	NM_001291279	c.C353T	p.T118I
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SERPINE1	NM_000602	c.G422A	p.R141Q
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SGK2	NM_170693	c.A182G	p.Y61C
SGK223	NM_001080826	c.C1265T	p.P422L
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SGPL1	NM_003901	c.G61T	p.V21L
SGSH	NM_000199	c.G1367A	p.R456H
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SHC3	NM_016848	c.G671A	p.S224N
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SHC4	NM_203349	c.C239T	p.P80L
SHCBP1	NM_024745	c.C161G	p.S54C
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SHF	NM_138356	c.G137C	p.W46S
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SHISA2	NM_001007538	c.G179A	p.G60D
SHISA4	NM_198149	c.A477G	p.I159M
SHKBP1	NM_138392	c.C307T	p.L103F
SHMT1	NM_001281786	c.C1006T	p.L336F
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SHMT2	NM_001166357	c.C86T	p.S29L
SHPK	NM_013276	c.A1237G	p.M413V
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SIDT2	NM_001040455	c.C2032T	p.R678W
SIDT2	NM_001040455	c.G1930T	p.A644S
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SIGLEC11	NM_001135163	c.G1432A	p.A478T
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SIGLEC12	NM_033329	c.G1192A	p.V398M
SIGLEC12	NM_053003	c.C1192T	p.H398Y
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SIM2	NM_005069	c.C1447A	p.L483M
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SIMC1	NM_198567	c.G521A	p.R174Q
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SIRT2	NM_001193286	c.G347A	p.R116H
SIRT3	NM_001017524	c.G196A	p.V66I
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SIRT5	NM_001242827	c.A590G	p.E197G
SIRT6	NM_001193285	c.G137A	p.S46N
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SIX4	NM_017420	c.A1814C	p.H605P
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SLC25A26	NM_173471	c.G122A	p.S41N
SLC25A31	NM_031291	c.A26G	p.K9R
SLC25A35	NM_201520	c.G514A	p.G172S
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SLU7	NM_006425	c.T686C	p.M229T
SLURP1	NM_020427	c.A118G	p.I40V
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SMAD7	NM_001190823	c.C83T	p.S28F
SMAP1	NM_001281439	c.C554T	p.A185V
SMAP1	NM_001281439	c.C55A	p.L19I
SMAP1	NM_001281439	c.T1247C	p.M416T
SMAP1	NM_001281440	c.C605T	p.A202V
SMAP2	NM_022733	c.G865A	p.A289T
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SMARCA2	NM_001289397	c.C4410G	p.D1470E

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SMG5	NM_015327	c.C1627T	p.R543W
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SMG7	NM_201569	c.G2560A	p.V854I
SMG8	NM_018149	c.C2144T	p.A715V
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SMG9	NM_019108	c.T133C	p.W45R
SMIM14	NM_174921	c.G230A	p.G77E
SMIM15	NM_001048249	c.G76A	p.V26I
SMOX	NM_001270691	c.C574A	p.R192S

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SMPD1	NM_001007593	c.G1519A	p.G507R
SMPD2	NM_003080	c.C8T	p.P3L
SMPD2	NM_003080	c.G795T	p.R265S
SMPD3	NM_018667	c.C652T	p.R218W
SMPD3	NM_018667	c.G1850A	p.C617Y
SMPD4	NM_001171083	c.C12A	p.F4L
SMPDL3A	NM_001286138	c.A309C	p.E103D
SMPDL3A	NM_001286138	c.C88T	p.P30S
SMPDL3A	NM_006714	c.C481T	p.P161S
SMPDL3A	NM_001286138	c.865_866insAT	p.C289fs
SMPDL3B	NM_001009568	c.T788C	p.V263A
SMPDL3B	NM_001304579	c.T170C	p.V57A
SMR3A	NM_012390	c.C395T	p.P132L
SMTN	NM_001207017	c.C1931T	p.A644V
SMTN	NM_001207017	c.G1568A	p.R523H
SMTN	NM_001207018	c.C1649T	p.A550V
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SMTN	NM_001207018	c.G1574A	p.R525H
SMTN	NM_006932	c.C1676T	p.A559V
SMTN	NM_134269	c.G2320C	p.E774Q
SMTN	NM_134270	c.G1406A	p.R469H
SMTNL2	NM_001114974	c.C503G	p.P168R
SMTNL2	NM_001114974	c.G484A	p.A162T
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SMTNL2	NM_198501	c.G52A	p.A18T
SMUG1	NM_001243787	c.C143T	p.S48L
SMUG1	NM_001243787	c.G44T	p.G15V
SMURF2	NM_022739	c.A314G	p.N105S
SMYD1	NM_198274	c.A491C	p.Q164P
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SMYD2	NM_020197	c.A1150G	p.M384V
SMYD2	NM_020197	c.T1290G	p.I430M
SMYD2	NM_020197	c.G494A	p.G165E
SMYD3	NM_001167740	c.G39C	p.K13N
SMYD4	NM_052928	c.A2180G	p.Y727C
SMYD4	NM_052928	c.A526G	p.T176A
SMYD4	NM_052928	c.C1145G	p.P382R
SMYD4	NM_052928	c.C1684T	p.R562W
SMYD4	NM_052928	c.C2390A	p.P797H
SMYD4	NM_052928	c.G392T	p.R131I
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SMYD5	NM_006062	c.A596G	p.N199S
SNAI1	NM_005985	c.C197T	p.A66V
SNAI1	NM_005985	c.T353C	p.V118A
SNAI3	NM_178310	c.G296A	p.R99Q
SNAI3	NM_178310	c.G451A	p.G151S
SNAP47	NM_053052	c.A142G	p.R48G
SNAP47	NM_053052	c.C1141T	p.R381C

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SNAPC2	NM_003083	c.G662A	p.R221H
SNAPC3	NM_001039697	c.T681G	p.I227M
SNAPC4	NM_003086	c.C1891A	p.P631T
SNAPC4	NM_003086	c.C1993T	p.R665C
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SNCAIP	NM_001242935	c.G1027C	p.E343Q
SNCAIP	NM_001242935	c.G719A	p.R240Q
SNCAIP	NM_005460	c.G2125C	p.E709Q
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SNCG	NM_003087	c.G265A	p.A89T
SND1	NM_014390	c.G1843A	p.G615S
SNED1	NM_001080437	c.G1447A	p.A483T
SNED1	NM_001080437	c.G2992A	p.V998M
SNED1	NM_001080437	c.G3503A	p.R1168Q
SNED1	NM_001080437	c.G4084T	p.A1362S
SNED1	NM_001080437	c.T3683C	p.L1228P
SNF8	NM_007241	c.G304A	p.V102I
SNPH	NM_014723	c.C770T	p.A257V
SNPH	NM_014723	c.G844T	p.G282C
SNRK	NM_017719	c.C1171T	p.P391S
SNRNP200	NM_014014	c.G5933C	p.G1978A
SNRNP25	NM_024571	c.C317T	p.T106M
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SNRNP35	NM_022717	c.C647T	p.P216L
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SNRNP48	NM_152551	c.C134T	p.P45L
SNTA1	NM_003098	c.A784C	p.T262P
SNTB1	NM_021021	c.G209A	p.R70K
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SNTG2	NM_018968	c.A149C	p.E50A
SNTG2	NM_018968	c.C599T	p.S200L
SNTN	NM_001080537	c.A155G	p.K52R
SNUPN	NM_001042588	c.C881T	p.P294L
SNX1	NM_148955	c.G1201A	p.D401N
SNX13	NM_015132	c.A1691T	p.Y564F
SNX14	NM_001304479	c.A751C	p.S251R
SNX14	NM_020468	c.A775C	p.S259R
SNX14	NM_153816	c.A907C	p.S303R
SNX15	NM_013306	c.A326C	p.H109P
SNX17	NM_001267060	c.G211A	p.E71K
SNX17	NM_014748	c.G286A	p.E96K
SNX18	NM_001145427	c.A1713C	p.E571D
SNX19	NM_001301089	c.A398G	p.N133S
SNX19	NM_001301089	c.T773G	p.L258R
SNX19	NM_014758	c.C1188G	p.D396E
SNX19	NM_014758	c.C1439T	p.P480L

SNX19	NM_014758	c.C2683T	p.R895W
SNX19	NM_014758	c.G1081C	p.V361L
SNX19	NM_014758	c.G1141A	p.G381S
SNX19	NM_014758	c.A2258G	p.N753S
SNX19	NM_014758	c.T2633G	p.L878R
SNX20	NM_001144972	c.C104T	p.P35L
SNX20	NM_182854	c.G907A	p.G303S
SNX21	NM_001042632	c.C7G	p.R3G
SNX21	NM_033421	c.G460A	p.A154T
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SNX29	NM_032167	c.G2351A	p.S784N
SNX29	NM_032167	c.G2404A	p.E802K
SNX29	NM_032167	c.G836C	p.G279A
SNX30	NM_001012994	c.A735G	p.I245M
SNX31	NM_152628	c.A1283G	p.D428G
SNX31	NM_152628	c.A926G	p.Q309R
SNX31	NM_152628	c.C314T	p.A105V
SNX31	NM_152628	c.G217C	p.D73H
SNX7	NM_015976	c.C750A	p.F250L
SNX8	NM_013321	c.T1175A	p.F392Y
SNX8	NM_013321	c.T1241C	p.I414T
SOAT1	NM_003101	c.G970A	p.A324T
SOAT2	NM_003578	c.569delG	p.R190fs
SOCS7	NM_014598	c.A1715G	p.K572R
SOD2	NM_000636	c.T47C	p.V16A
SOD3	NM_003102	c.C691G	p.R231G
SOGA1	NM_199181	c.C1625T	p.P542L
SOGA3	NM_001012279	c.G721A	p.G241S
SOHLH1	NM_001012415	c.C28T	p.P10S
SOHLH1	NM_001012415	c.C916A	p.L306M
SOHLH1	NM_001012415	c.G110A	p.R37Q
SON	NM_001291411	c.377delA	p.E126fs
SON	NM_001291411	c.C4723T	p.R1575C
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SON	NM_032195	c.G4090A	p.A1364T
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SORCS1	NM_001013031	c.A3464G	p.N1155S
SORCS1	NM_001206571	c.C3382G	p.L1128V
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SORCS2	NM_020777	c.G2637T	p.E879D
SORCS3	NM_014978	c.G3515A	p.S1172N
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SORD	NM_003104	c.C1070T	p.P357L
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SORL1	NM_003105	c.T3295C	p.F1099L
SORT1	NM_001205228	c.G919C	p.E307Q
SORT1	NM_002959	c.G1330C	p.E444Q
SOS1	NM_005633	c.T233G	p.F78C
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SOWAHB	NM_001029870	c.C871G	p.P291A
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SOX10	NM_006941	c.C1031T	p.T344M
SOX10	NM_006941	c.G604A	p.A202T
SOX30	NM_007017	c.G685A	p.E229K
SOX30	NM_178424	c.G1483A	p.V495M
SOX4	NM_003107	c.C82G	p.L28V
SOX4	NM_003107	c.C947T	p.A316V
SOX6	NM_017508	c.T539A	p.I180N
SOX6	NM_033326	c.T530A	p.I177N
SP100	NM_001080391	c.G2386A	p.A796T
SP100	NM_001080391	c.T2477C	p.M826T
SP100	NM_001206703	c.G800A	p.R267Q
SP100	NM_003113	c.A2096G	p.E699G
SP110	NM_001185015	c.C635T	p.A212V
SP110	NM_004509	c.C383T	p.A128V
SP110	NM_004509	c.C617T	p.A206V
SP110	NM_004509	c.G619A	p.E207K
SP110	NM_004509	c.G895A	p.G299R
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SP110	NM_080424	c.T1324C	p.F442L
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SP110	NM_001185015	c.T1292C	p.L431S
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SP140	NM_001278451	c.1068_1069insAC	p.L356fs
SP140	NM_001278451	c.A1068C	p.L356F
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SP140	NM_007237	c.T1535C	p.M512T
SP140L	NM_138402	c.A692G	p.N231S
SP140L	NM_138402	c.C674T	p.T225M
SP2	NM_003110	c.T1138C	p.S380P
SP3	NM_001017371	c.A829G	p.S277G
SP3	NM_001172712	c.A481G	p.T161A
SP3	NM_003111	c.A490G	p.T164A
SP3	NM_001017371	c.A286G	p.T96A
SP5	NM_001003845	c.G223A	p.A75T
SP7	NM_152860	c.C68T	p.A23V
SPACA7	NM_145248	c.G74A	p.R25Q
SPACA7	NM_145248	c.T332A	p.V111D
SPAG1	NM_003114	c.G991A	p.E331K
SPAG11A	NM_001081552	c.G217A	p.D73N
SPAG16	NM_024532	c.A1274C	p.K425T
SPAG17	NM_206996	c.A473T	p.E158V
SPAG17	NM_206996	c.A5239G	p.K1747E
SPAG17	NM_206996	c.C1684G	p.Q562E
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SPATA13	NM_001286795	c.C328T	p.R110C
SPATA16	NM_031955	c.A397G	p.M133V
SPATA16	NM_031955	c.A53G	p.H18R
SPATA16	NM_031955	c.G232A	p.E78K
SPATA16	NM_031955	c.G440A	p.G147E
SPATA16	NM_031955	c.T130A	p.S44T

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SPATA18	NM_145263	c.C434T	p.T145I
SPATA18	NM_145263	c.T679C	p.S227P
SPATA19	NM_001291992	c.C149T	p.A50V
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SPATA2	NM_006038	c.A770G	p.Y257C
SPATA20	NM_001258372	c.C262G	p.Q88E
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SPATA20	NM_001258373	c.A1631G	p.Y544C
SPATA20	NM_001258373	c.C130G	p.Q44E
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SPATA22	NM_001170695	c.A464G	p.Q155R
SPATA22	NM_001170695	c.T479C	p.I160T
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SPATA31D1	NM_001001670	c.C2813A	p.S938Y
SPATA31E1	NM_178828	c.A1003C	p.T335P
SPATA31E1	NM_178828	c.A3605G	p.D1202G
SPATA31E1	NM_178828	c.C1507T	p.P503S
SPATA31E1	NM_178828	c.C2046A	p.D682E
SPATA31E1	NM_178828	c.C2112G	p.D704E
SPATA31E1	NM_178828	c.C2207T	p.A736V
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SPATA33	NM_001271909	c.C44T	p.S15L
SPATA33	NM_153025	c.407_408insTG	p.H136fs
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SPATA45	NM_001024601	c.T23C	p.I8T
SPATA5	NM_145207	c.G2485T	p.D829Y
SPATA5	NM_145207	c.T767C	p.I256T
SPATA5L1	NM_024063	c.C818G	p.S273C
SPATA5L1	NM_024063	c.G194A	p.R65Q
SPATA5L1	NM_024063	c.G356C	p.R119P
SPATA6	NM_001286238	c.C997T	p.R333W
SPATA6	NM_001286238	c.G1385A	p.C462Y
SPATA6	NM_001286238	c.G682A	p.E228K
SPATA6	NM_001286239	c.C955T	p.R319W
SPATA6	NM_001286239	c.G1391A	p.C464Y
SPATA6	NM_019073	c.G1433A	p.C478Y
SPATA6L	NM_001039395	c.A407G	p.H136R
SPATA6L	NM_001039395	c.A553G	p.R185G
SPATA6L	NM_001039395	c.C745G	p.H249D
SPATA7	NM_001040428	c.G124A	p.V42M
SPATA7	NM_001040428	c.G4A	p.D2N
SPATA7	NM_018418	c.G220A	p.V74M
SPATA8	NM_001304806	c.C59T	p.P20L
SPATA9	NM_031952	c.A625G	p.K209E
SPATA9	NM_031952	c.T305C	p.L102S
SPATC1	NM_001134374	c.C875T	p.T292I
SPATC1	NM_198572	c.C785T	p.P262L
SPATC1	NM_198572	c.G862A	p.G288R
SPATC1L	NM_001142854	c.G577A	p.A193T
SPATC1L	NM_001142854	c.G691A	p.E231K
SPATC1L	NM_001142854	c.G893A	p.S298N
SPATC1L	NM_032261	c.G115A	p.A39T
SPATC1L	NM_032261	c.G229A	p.E77K
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SPDEF	NM_012391	c.C686T	p.S229L
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SPDL1	NM_017785	c.A164G	p.Y55C
SPDL1	NM_017785	c.G1069A	p.D357N
SPDL1	NM_017785	c.G59A	p.R20Q
SPDL1	NM_017785	c.T1757C	p.L586S
SPDYA	NM_001008779	c.A856G	p.I286V
SPDYE1	NM_175064	c.T832C	p.C278R
SPDYE3	NM_001004351	c.A1396T	p.I466F
SPECC1	NM_001033553	c.A877T	p.M293L
SPECC1	NM_001033553	c.C822G	p.S274R
SPECC1	NM_001033554	c.C579G	p.S193R
SPECC1	NM_001243438	c.A634T	p.M212L

SPECC1L	NM_001145468	c.C562T	p.L188F
SPECC1L	NM_001254732	c.C2882T	p.A961V
SPEF2	NM_024867	c.4637delG	p.W1546fs
SPEF2	NM_024867	c.A211C	p.N71H
SPEF2	NM_024867	c.A2599C	p.K867Q
SPEF2	NM_024867	c.C2921T	p.P974L
SPEF2	NM_024867	c.G1097A	p.R366K
SPEF2	NM_024867	c.G1262A	p.R421H
SPEF2	NM_024867	c.G1498A	p.D500N
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SPINK1	NM_003122	c.C163T	p.P55S
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SPIRE2	NM_032451	c.C1636T	p.R546C
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SPOCK3	NM_001204355	c.T29C	p.L10P
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SQSTM1	NM_001142299	c.G570C	p.E190D
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ST14	NM_021978	c.G254A	p.R85H
ST14	NM_021978	c.G508A	p.E170K
ST20	NM_001100879	c.C170T	p.P57L
ST20-MTHFS	NM_001199760	c.A532G	p.T178A
ST3GAL3	NM_174963	c.G128C	p.S43T
ST3GAL5	NM_001042437	c.A242G	p.H81R
ST3GAL5	NM_003896	c.A311G	p.H104R
ST3GAL6	NM_001271142	c.A81G	p.I27M
ST3GAL6	NM_001271145	c.A498G	p.I166M
ST3GAL6	NM_001271146	c.A339G	p.I113M
ST3GAL6	NM_001271147	c.G577A	p.A193T
ST3GAL6	NM_001271148	c.G499A	p.A167T
ST3GAL6	NM_006100	c.G931A	p.A311T
ST5	NM_005418	c.C1197G	p.D399E
ST5	NM_005418	c.C239G	p.P80R
ST5	NM_213618	c.C1145A	p.P382H
ST6GAL2	NM_001142351	c.A1021G	p.I341V



ST6GAL2	NM_001142351	c.C1531G	p.L511V
ST6GAL2	NM_001142351	c.C573A	p.D191E
ST6GALNAC1	NM_018414	c.T239C	p.V80A
ST6GALNAC2	NM_006456	c.C11T	p.P4L
ST6GALNAC2	NM_006456	c.G563A	p.R188H
ST6GALNAC3	NM_001160011	c.A535G	p.I179V
ST6GALNAC3	NM_152996	c.C667A	p.L223I
ST6GALNAC6	NM_001287001	c.A799G	p.S267G
ST6GALNAC6	NM_013443	c.G68T	p.R23L
ST7L	NM_017744	c.G1352A	p.R451Q
ST7L	NM_138727	c.G1301A	p.R434Q
ST8SIA6	NM_001004470	c.A139T	p.T47S
STAB1	NM_015136	c.A6346G	p.T2116A
STAB1	NM_015136	c.A6844G	p.I2282V
STAB1	NM_015136	c.C3094T	p.R1032C
STAB1	NM_015136	c.C4715T	p.A1572V
STAB1	NM_015136	c.C5750T	p.T1917M
STAB1	NM_015136	c.C5992T	p.R1998C
STAB1	NM_015136	c.C7454T	p.A2485V
STAB1	NM_015136	c.G1210A	p.V404I
STAB1	NM_015136	c.G428A	p.R143H
STAB1	NM_015136	c.G4564C	p.V1522L
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STAB1	NM_015136	c.T7517C	p.M2506T
STAB1	NM_015136	c.A2734G	p.M912V
STAB1	NM_015136	c.G5497C	p.A1833P
STAB2	NM_017564	c.A5207C	p.N1736T
STAB2	NM_017564	c.C1529A	p.P510H
STAB2	NM_017564	c.C6115A	p.P2039T
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STAB2	NM_017564	c.G6061A	p.D2021N
STAB2	NM_017564	c.C6031A	p.P2011T
STAC	NM_001292049	c.G67C	p.E23Q
STAC	NM_003149	c.G503A	p.R168Q
STAC2	NM_198993	c.G730C	p.E244Q
STAG3	NM_001282716	c.A106C	p.T36P
STAG3	NM_001282716	c.C1999T	p.R667C
STAMBPL1	NM_020799	c.G587A	p.S196N
STAMBPL1	NM_020799	c.G610A	p.E204K
STAMBPL1	NM_020799	c.G628A	p.A210T
STAP2	NM_001013841	c.C563G	p.S188W
STAP2	NM_001013841	c.G277A	p.D93N
STARD13	NM_001243474	c.A395G	p.K132R
STARD13	NM_001243476	c.A644G	p.K215R
STARD13	NM_052851	c.C281T	p.P94L
STARD13	NM_052851	c.G722A	p.R241H
STARD13	NM_178006	c.A749G	p.K250R

STARD13	NM_178007	c.A725G	p.K242R
STARD3	NM_001165937	c.C1330T	p.R444W
STARD3	NM_001165937	c.G350A	p.R117Q
STARD3	NM_001165938	c.G593C	p.G198A
STARD3	NM_006804	c.G647C	p.G216A
STARD4	NM_139164	c.G440A	p.R147Q
STARD6	NM_139171	c.G475A	p.E159K
STARD7	NM_020151	c.A77G	p.Q26R
STARD7	NM_020151	c.G419C	p.R140P
STARD9	NM_020759	c.G8030A	p.R2677H
STAT2	NM_005419	c.G1782C	p.M594I
STAT2	NM_005419	c.G2474A	p.G825D
STAT2	NM_198332	c.G1770C	p.M590I
STAT2	NM_198332	c.G2466T	p.Q822H
STAT5A	NM_001288719	c.G2219A	p.R740Q
STAU2	NM_001164384	c.G496A	p.V166M
STAU2	NM_001164380	c.G592A	p.V198M
STAU2	NM_001164382	c.G280A	p.V94M
STAU2	NM_001164383	c.G76A	p.V26M
STAU2	NM_001164385	c.G478A	p.V160M
STC2	NM_003714	c.G770C	p.G257A
STEAP1	NM_012449	c.T541A	p.S181T
STEAP1B	NM_001164460	c.A19G	p.I7V
STEAP1B	NM_001164460	c.T686C	p.I229T
STEAP1B	NM_207342	c.T629C	p.I210T
STEAP2	NM_001040665	c.G1367A	p.R456Q
STEAP2	NM_001040665	c.G641A	p.G214E
STEAP2	NM_001040666	c.A851G	p.Y284C
STEAP2	NM_001040666	c.T50G	p.F17C
STEAP2	NM_001040665	c.G1425T	p.M475I
STEAP3	NM_001008410	c.G550A	p.A184T
STEAP3	NM_001008410	c.G568A	p.V190M
STEAP3	NM_018234	c.G869A	p.R290H
STEAP3	NM_182915	c.G580A	p.A194T
STEAP3	NM_182915	c.G598A	p.V200M
STEAP3	NM_182915	c.G881A	p.R294H
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STEAP4	NM_001205315	c.G224A	p.G75D
STEAP4	NM_001205316	c.A704T	p.N235I
STH	NM_001007532	c.A20G	p.Q7R
STH	NM_001007532	c.T283C	p.S95P
STIL	NM_001048166	c.A2954G	p.H985R
STIL	NM_001048166	c.C257T	p.A86V
STIL	NM_001282936	c.A2951G	p.H984R
STIL	NM_001282937	c.A2852G	p.H951R
STIL	NM_001282937	c.A2900G	p.H967R
STIL	NM_001282938	c.A2813G	p.H938R
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STIL	NM_003035	c.C3578T	p.P1193L
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STK10	NM_005990	c.C2558T	p.S853L
STK11	NM_000455	c.C1062G	p.F354L
STK11IP	NM_052902	c.G1687A	p.V563I
STK11IP	NM_052902	c.G2885A	p.R962Q
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STK11IP	NM_052902	c.C2255T	p.S752F
STK11IP	NM_052902	c.G2T	p.R1M
STK17A	NM_004760	c.A1084G	p.K362E
STK19	NM_004197	c.C125T	p.A42V
STK31	NM_001260504	c.G1160A	p.G387E
STK31	NM_001260504	c.G712A	p.E238K
STK31	NM_001260504	c.G735T	p.K245N
STK31	NM_001260505	c.G1229A	p.G410E
STK31	NM_001260505	c.G781A	p.E261K
STK31	NM_001260505	c.G804T	p.K268N
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STK31	NM_032944	c.T761A	p.I254K
STK32A	NM_001112724	c.A173T	p.K58M
STK32B	NM_018401	c.A592G	p.R198G
STK32B	NM_018401	c.G676A	p.E226K
STK32C	NM_173575	c.A1400G	p.E467G
STK32C	NM_173575	c.G904A	p.A302T
STK33	NM_001289058	c.C1250A	p.A417E
STK33	NM_001289058	c.G1186A	p.A396T
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STK36	NM_001243313	c.A884G	p.K295R
STK36	NM_001243313	c.C1384G	p.L462V
STK36	NM_001243313	c.C1429T	p.R477W
STK36	NM_001243313	c.G1748A	p.R583Q
STK36	NM_001243313	c.G2945A	p.G982D
STK36	NM_015690	c.G2516A	p.R839Q
STK36	NM_015690	c.G3008A	p.G1003D
STK38	NM_001305102	c.685_686insCT	p.S229fs
STK38L	NM_015000	c.493_494insTATC	p.L165fs
STK39	NM_013233	c.G1195A	p.A399T
STK4	NM_006282	c.A1057G	p.T353A
STK4	NM_006282	c.G934A	p.V312M
STK40	NM_001282546	c.G1198A	p.A400T
STK40	NM_001282547	c.G1183A	p.A395T
STKLD1	NM_153710	c.C1886T	p.P629L
STKLD1	NM_153710	c.G1703A	p.R568Q
STKLD1	NM_153710	c.T2036G	p.L679R
STOM	NM_004099	c.T824C	p.M275T

STOM	NM_198194	c.T221C	p.M74T
STOM	NM_198194	c.T329C	p.M110T
STOML1	NM_001256672	c.C22T	p.R8W
STOML1	NM_001256672	c.C830T	p.P277L
STOML1	NM_001256673	c.C683T	p.P228L
STON1	NM_001198595	c.A24C	p.K8N
STON1-GTF2A1L	NM_001198593	c.A24C	p.K8N
STON1-GTF2A1L	NM_001198593	c.A2834G	p.Y945C
STON1-GTF2A1L	NM_001198593	c.A2887G	p.N963D
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STON1-GTF2A1L	NM_001198594	c.A2746G	p.N916D
STON2	NM_001256430	c.A2090G	p.N697S
STON2	NM_001256430	c.G1937A	p.R646H
STON2	NM_001256430	c.G2695T	p.V899L
STON2	NM_001256430	c.T2551G	p.S851A
STON2	NM_001256430	c.T919C	p.S307P
STOX1	NM_001130160	c.T457C	p.Y153H
STOX1	NM_001130161	c.A1824C	p.E608D
STOX1	NM_001130161	c.A2474T	p.N825I
STOX1	NM_001130161	c.A2713C	p.N905H
STOX1	NM_001130161	c.C1744T	p.L582F
STOX2	NM_020225	c.C1697T	p.P566L
STOX2	NM_020225	c.C2584T	p.R862C
STOX2	NM_020225	c.G655A	p.A219T
STPG1	NM_001199012	c.T278C	p.M93T
STPG1	NM_001199014	c.T2C	p.M1T
STPG1	NM_178122	c.T137C	p.M46T
STPG2	NM_174952	c.A532G	p.I178V
STPG2	NM_174952	c.C218T	p.A73V
STPG2	NM_174952	c.G875A	p.R292Q
STPG2	NM_174952	c.T373C	p.Y125H
STRA13	NM_001271006	c.C185T	p.A62V
STRA13	NM_001271007	c.C131T	p.A44V
STRA6	NM_001142617	c.C1694T	p.T565M
STRA6	NM_001142617	c.C826T	p.R276C
STRA6	NM_001142619	c.C1667T	p.T556M
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STRA6	NM_001199041	c.C1739T	p.T580M
STRA6	NM_001199041	c.C871T	p.R291C
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STRA6	NM_022369	c.G1223A	p.R408Q
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STRBP	NM_001171137	c.G1741A	p.V581I
STRC	NM_153700	c.G4562A	p.R1521Q
STRIP2	NM_001134336	c.T1886A	p.V629D
STRN	NM_003162	c.C1138T	p.P380S
STRN3	NM_001083893	c.T1915C	p.F639L
STRN4	NM_001039877	c.G872T	p.R291L

STRN4	NM_013403	c.A1858G	p.M620V
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STUB1	NM_001293197	c.A217C	p.K73Q
STUB1	NM_005861	c.A433C	p.K145Q
STUB1	NM_005861	c.G326A	p.S109N
STUB1	NM_005861	c.G577A	p.V193I
STX11	NM_003764	c.G228C	p.M76I
STX17	NM_017919	c.G280A	p.V94I
STX17	NM_017919	c.T68C	p.I23T
STX18	NM_016930	c.A551C	p.E184A
STX18	NM_016930	c.889_890insAAGG	p.E297fs
STX2	NM_001980	c.G125C	p.S42T
STX3	NM_001178040	c.A44G	p.Q15R
STX6	NM_001286210	c.T207A	p.D69E
STX8	NM_004853	c.G422A	p.R141Q
STXBP1	NM_003165	c.G250A	p.V84I
STXBP2	NM_001127396	c.A1567G	p.I523V
STXBP2	NM_001127396	c.C349T	p.R117C
STXBP2	NM_001272034	c.C391T	p.R131C
STXBP2	NM_006949	c.A1576G	p.I526V
STXBP2	NM_006949	c.C1298T	p.A433V
STXBP2	NM_006949	c.C358T	p.R120C
STXBP2	NM_001272034	c.A1609G	p.I537V
STXBP4	NM_178509	c.A843G	p.I281M
STXBP4	NM_178509	c.G274A	p.G92R
STXBP5	NM_001127715	c.A1307G	p.N436S
STXBP5	NM_001127715	c.C1234G	p.L412V
STXBP5L	NM_014980	c.C1703G	p.T568S
STXBP5L	NM_014980	c.G2563A	p.V855I
STYK1	NM_018423	c.A610G	p.S204G
SUCLG2	NM_003848	c.A1186G	p.T396A
SUCLG2	NM_003848	c.G1225A	p.G409R
SUCO	NM_016227	c.T31C	p.S11P
SUGCT	NM_001193311	c.C1325T	p.T442M
SUGCT	NM_001193312	c.C1103T	p.T368M
SUGCT	NM_001193312	c.C862T	p.R288W
SUGP1	NM_172231	c.C230T	p.S77F
SUGP1	NM_172231	c.G869A	p.R290H
SUGP2	NM_001017392	c.A2165G	p.Q722R
SUGP2	NM_001017392	c.G616A	p.G206S
SULF1	NM_001128204	c.C2354T	p.T785M
SULF2	NM_001161841	c.G226A	p.A76T
SULF2	NM_198596	c.C202T	p.R68W
SULT1A2	NM_001054	c.C56T	p.P19L
SULT1C2	NM_001056	c.G218A	p.R73Q
SULT1C2	NM_001056	c.G260A	p.R87Q
SULT1C2	NM_001056	c.T763G	p.S255A
SULT1C2	NM_176825	c.T185C	p.I62T
SULT1C2	NM_176825	c.T796G	p.S266A
SULT1C3	NM_001008743	c.G262A	p.A88T

SULT1C3	NM_001008743	c.G535A	p.G179R
SULT1C3	NM_001008743	c.T325C	p.S109P
SULT1C3	NM_001008743	c.T604C	p.Y202H
SULT1C4	NM_006588	c.C15G	p.D5E
SULT1E1	NM_005420	c.9delT	p.S3fs
SULT2B1	NM_004605	c.C232T	p.R78C
SULT2B1	NM_177973	c.C277T	p.R93C
SULT2B1	NM_177973	c.T152C	p.L51S
SUMF1	NM_001164674	c.G188A	p.S63N
SUMF2	NM_001042469	c.C820T	p.R274W
SUMF2	NM_001042470	c.C613T	p.R205W
SUMF2	NM_015411	c.C865T	p.R289W
SUMO4	NM_001002255	c.G163A	p.V55M
SUN1	NM_001130965	c.C608T	p.A203V
SUN1	NM_001130965	c.G738T	p.W246C
SUN1	NM_025154	c.A85G	p.S29G
SUN1	NM_025154	c.C458T	p.A153V
SUN2	NM_001199579	c.C1435T	p.P479S
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SUN2	NM_015374	c.G1522A	p.A508T
SUN2	NM_015374	c.G2011A	p.G671S
SUN5	NM_080675	c.C772T	p.R258C
SUN5	NM_080675	c.G117T	p.E39D
SUN5	NM_080675	c.G773A	p.R258H
SUOX	NM_000456	c.G1327T	p.V443L
SUOX	NM_001032386	c.G1358A	p.G453D
SUPT16H	NM_007192	c.C1244G	p.A415G
SUPT16H	NM_007192	c.G3098A	p.R1033H
SUPT3H	NM_181356	c.C20T	p.T7M
SUPT6H	NM_003170	c.A4036T	p.M1346L
SUPV3L1	NM_001301683	c.C1682T	p.P561L
SUPV3L1	NM_003171	c.C5T	p.S2F
SURF1	NM_001280787	c.517_518insCT	p.S173fs
SURF2	NM_001278928	c.A637G	p.S213G
SURF2	NM_001278928	c.C760T	p.P254S
SURF2	NM_017503	c.C763T	p.P255S
SURF4	NM_033161	c.G277T	p.A93S
SURF6	NM_001278942	c.C523T	p.R175W
SURF6	NM_006753	c.C439G	p.R147G
SURF6	NM_006753	c.C487T	p.R163W
SURF6	NM_006753	c.C524T	p.T175M

SURF6	NM_006753	c.C859G	p.R287G
SURF6	NM_006753	c.C932T	p.T311M
SUSD1	NM_022486	c.G1768A	p.E590K
SUSD2	NM_019601	c.A1307G	p.N436S
SUSD2	NM_019601	c.A1397G	p.N466S
SUSD2	NM_019601	c.C1436T	p.T479I
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SUSD3	NM_001287005	c.C559T	p.R187C
SUSD3	NM_001287005	c.G140A	p.R47H
SUSD3	NM_001287005	c.G283A	p.A95T
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SUSD3	NM_001287006	c.A406G	p.K136E
SUSD3	NM_001287006	c.C466T	p.R156C
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SUSD3	NM_145006	c.C598T	p.R200C
SUSD5	NM_015551	c.G1134T	p.E378D
SUSD5	NM_015551	c.T815C	p.L272S
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SUV420H1	NM_001300907	c.A1751G	p.N584S
SUV420H1	NM_017635	c.A2267G	p.N756S
SUV420H2	NM_032701	c.C983A	p.P328H
SUV420H2	NM_032701	c.G506A	p.R169Q
SV2A	NM_014849	c.G1472A	p.R491H
SV2C	NM_001297716	c.C1445G	p.T482S
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SVIL	NM_003174	c.T3784C	p.S1262P
SVIL	NM_021738	c.C643T	p.R215W
SVIL	NM_021738	c.C713G	p.S238C
SVIL	NM_021738	c.G4054A	p.V1352I
SVIL	NM_021738	c.G1264A	p.V422I
SVOPL	NM_001139456	c.A911G	p.E304G

SVOPL	NM_001139456	c.T1154G	p.F385C
SVOPL	NM_174959	c.T698G	p.F233C
SWAP70	NM_001297714	c.C1339G	p.Q447E
SWAP70	NM_015055	c.C1513G	p.Q505E
SWI5	NM_001040011	c.A187G	p.T63A
SWI5	NM_001040011	c.A5C	p.Q2P
SWT1	NM_001105518	c.A1607G	p.H536R
SWT1	NM_001105518	c.A2461G	p.N821D
SWT1	NM_001105518	c.A442G	p.I148V
SYCE1	NM_001143764	c.A548G	p.K183R
SYCE1	NM_130784	c.A440G	p.K147R
SYCP1	NM_001282541	c.1876delA	p.K626fs
SYCP1	NM_001282541	c.A2752C	p.N918H
SYCP1	NM_001282542	c.C2503T	p.P835S
SYCP2	NM_014258	c.A2426G	p.N809S
SYCP2	NM_014258	c.C2252T	p.T751I
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SYCP2L	NM_001040274	c.A1939G	p.N647D
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SYCP2L	NM_001040274	c.T1100C	p.I367T
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SYF2	NM_207170	c.C140T	p.A47V
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SYNC	NM_030786	c.A1055C	p.E352A
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SYNE1	NM_033071	c.12148dupA	p.K4050fs
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SYNE1	NM_033071	c.C25916T	p.T8639I
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SYNE1	NM_033071	c.C4753T	p.P1585S
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SYNE3	NM_152592	c.C2484G	p.I828M
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SYNGR4	NM_012451	c.C79T	p.R27W
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SYT15	NM_031912	c.C149T	p.T50I
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SYT16	NM_031914	c.G392T	p.R131L
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SYT4	NM_020783	c.T494A	p.F165Y
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TAF1C	NM_001243156	c.C2300T	p.P767L
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TAF1C	NM_139353	c.G461A	p.G154E
TAF1L	NM_153809	c.A1111G	p.M371V
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TAF2	NM_003184	c.G1340C	p.S447T
TAF3	NM_031923	c.A1325G	p.N442S
TAF3	NM_031923	c.G1046C	p.S349T
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TAF5L	NM_001025247	c.G721A	p.V241I
TAF6	NM_001190415	c.75delG	p.G25fs
TAF6	NM_005641	c.G610A	p.A204T
TAF7	NM_005642	c.C393G	p.I131M
TAF8	NM_138572	c.C452G	p.P151R
TAGAP	NM_001278733	c.G250A	p.E84K
TAGAP	NM_054114	c.G439A	p.E147K
TAGLN	NM_001001522	c.G229C	p.V77L
TAGLN	NM_001001522	c.G534T	p.Q178H
TAMM41	NM_001284401	c.A347G	p.N116S
TAMM41	NM_001284401	c.A535G	p.I179V
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TANC1	NM_001145909	c.A4145C	p.Q1382P
TANC1	NM_001145909	c.C88T	p.P30S
TANC1	NM_033394	c.T1413G	p.S471R
TANC2	NM_025185	c.T458G	p.I153S
TANGO2	NM_001283148	c.C700T	p.R234W
TANGO6	NM_024562	c.G2722A	p.V908I
TANGO6	NM_024562	c.G3178A	p.V1060M

TAOK2	NM_001252043	c.G3293A	p.R1098H
TAOK2	NM_016151	c.G3632A	p.R1211H
TAOK3	NM_016281	c.C35A	p.A12D
TAOK3	NM_016281	c.G140A	p.S47N
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TCP10L	NM_144659	c.A434G	p.H145R
TCP10L2	NM_001145121	c.G694C	p.G232R
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TCP11	NM_001093728	c.A1322G	p.Q441R
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TDO2	NM_005651	c.A685C	p.N229H
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TDRKH	NM_006862	c.C1211T	p.A404V
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TEAD3	NM_003214	c.T466C	p.S156P
TEAD4	NM_003213	c.C716T	p.P239L
TEAD4	NM_003213	c.C967T	p.P323S
TEAD4	NM_201443	c.C580T	p.P194S
TECPR1	NM_015395	c.A1418G	p.N473S
TECPR1	NM_015395	c.C1685T	p.S562L
TECPR1	NM_015395	c.C1927T	p.R643W
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TECRL	NM_001010874	c.C133T	p.P45S
TECTA	NM_005422	c.A1111G	p.R371G
TECTA	NM_005422	c.C2061G	p.N687K
TECTA	NM_005422	c.C2827A	p.L943M
TECTA	NM_005422	c.C5012T	p.S1671L
TECTA	NM_005422	c.G5171A	p.S1724N
TEDDM1	NM_172000	c.G516A	p.M172I
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TEKT1	NM_053285	c.G933T	p.K311N
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TEKT2	NM_014466	c.C136T	p.R46C
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TEKT3	NM_031898	c.G8A	p.R3H
TEKT4	NM_001286559	c.C681G	p.N227K
TEKT4	NM_144705	c.C1227G	p.N409K
TEKT5	NM_144674	c.A107G	p.Y36C
TEKT5	NM_144674	c.A470G	p.Y157C
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TERT	NM_001193376	c.G2995A	p.A999T
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TEX35	NM_032126	c.C124T	p.R42W
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TEX37	NM_152670	c.G512A	p.R171Q
TEX40	NM_001039496	c.C203T	p.P68L
TEX40	NM_001039496	c.G7A	p.E3K
TF	NM_001063	c.C1765T	p.P589S
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TFAM	NM_001270782	c.G35C	p.S12T
TFAP2D	NM_172238	c.T220C	p.F74L
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TGM7	NM_052955	c.C1691T	p.P564L
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THADA	NM_001083953	c.A4153T	p.T1385S
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THAP7	NM_001008695	c.G343C	p.A115P
THAP8	NM_152658	c.C469T	p.P157S
THAP8	NM_152658	c.G209A	p.R70H
THAP9	NM_024672	c.A1987G	p.I663V
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THEMIS2	NM_001105556	c.A1531G	p.K511E
THEMIS2	NM_001105556	c.C892T	p.P298S
THEMIS2	NM_001105556	c.C994T	p.P332S
THEMIS2	NM_001286113	c.A1144G	p.K382E
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THG1L	NM_017872	c.T695C	p.L232P
THNSL1	NM_024838	c.C1102A	p.P368T
THNSL1	NM_024838	c.C743A	p.A248E
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THOC5	NM_001002877	c.G1567A	p.V523M
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THSD7A	NM_015204	c.C167G	p.P56R
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THUMPD3	NM_001114092	c.G1376A	p.R459Q
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TIAM1	NM_003253	c.C67T	p.R23C
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TIAM2	NM_012454	c.C3301T	p.R1101C
TIAM2	NM_012454	c.C994T	p.R332C
TIAM2	NM_012454	c.G995A	p.R332H
TIAM2	NM_012454	c.T1668A	p.N556K
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TICRR	NM_152259	c.C1204T	p.R402W
TICRR	NM_152259	c.C303A	p.H101Q
TICRR	NM_152259	c.C4813G	p.L1605V
TICRR	NM_152259	c.C5653T	p.R1885C
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TICRR	NM_152259	c.C4567T	p.R1523C
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TIGD7	NM_033208	c.G1255C	p.D419H
TIGIT	NM_173799	c.G484A	p.A162T
TIMD4	NM_001146726	c.T719C	p.V240A
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TIMELESS	NM_003920	c.C1804T	p.R602W
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TIMM21	NM_014177	c.G235A	p.G79S
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TIMM50	NM_001001563	c.C217T	p.P73S
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TIMMDC1	NM_016589	c.G649A	p.V217I
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TLDC1	NM_020947	c.C1187T	p.S396L
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TLDC2	NM_080628	c.T415G	p.F139V
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TLN1	NM_006289	c.G5977A	p.D1993N
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TLN2	NM_015059	c.A3135C	p.E1045D
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TLN2	NM_015059	c.T6796C	p.F2266L
TLR1	NM_003263	c.1291delT	p.S431fs
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TLX3	NM_021025	c.G157A	p.G53S
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TM4SF18	NM_138786	c.C578T	p.S193L
TM4SF19	NM_001204897	c.A23C	p.Q8P
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TM7SF2	NM_001277233	c.C380T	p.P127L
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TMEM102	NM_178518	c.G1432T	p.G478W
TMEM104	NM_017728	c.C604G	p.L202V
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TMEM105	NM_178520	c.G131A	p.R44Q
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TMEM126B	NM_018480	c.C593T	p.A198V
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TMEM144	NM_018342	c.175delT	p.L59fs
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TMEM14B	NM_001286484	c.G115A	p.G39S
TMEM14E	NM_001123228	c.C68T	p.A23V
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TMEM150B	NM_001085488	c.A597C	p.L199F
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TMEM155	NM_152399	c.C32T	p.A11V
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TMEM156	NM_001303228	c.T313C	p.S105P
TMEM159	NM_001301769	c.G319A	p.G107S
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TMEM161A	NM_001256766	c.G376A	p.V126M
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TMEM171	NM_001161342	c.C256G	p.R86G
TMEM171	NM_001161342	c.C417A	p.N139K
TMEM171	NM_001161342	c.T67C	p.F23L
TMEM171	NM_173490	c.C822G	p.D274E
TMEM173	NM_001301738	c.G212A	p.R71H
TMEM175	NM_001297423	c.T932C	p.M311T
TMEM175	NM_001297426	c.T830C	p.M277T
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TMEM175	NM_032326	c.A194C	p.Q65P
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TMEM175	NM_032326	c.T1178C	p.M393T
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TMEM176A	NM_018487	c.A364G	p.T122A
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TMEM176A	NM_018487	c.G561T	p.L187F

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TMEM176B	NM_001101312	c.C538T	p.R180W
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TMEM177	NM_001105198	c.G86C	p.G29A
TMEM177	NM_001105199	c.C801G	p.D267E
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TMEM181	NM_020823	c.A708C	p.K236N
TMEM182	NM_144632	c.T667C	p.W223R
TMEM184A	NM_001097620	c.C1213T	p.R405W
TMEM184A	NM_001097620	c.A1168G	p.S390G
TMEM186	NM_015421	c.A1G	p.M1V
TMEM189-UBE2V1	NM_199203	c.G172A	p.A58T
TMEM19	NM_018279	c.T313A	p.L105M
TMEM19	NM_018279	c.T823G	p.L275V
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TMEM194A	NM_015257	c.A430G	p.I144V
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TMEM198	NM_001005209	c.T221G	p.V74G
TMEM2	NM_001135820	c.C2104T	p.P702S
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TMEM2	NM_001135820	c.G3650A	p.G1217D
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TMEM204	NM_001256541	c.G170C	p.G57A
TMEM206	NM_001198862	c.814delC	p.L272fs
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TMEM206	NM_018252	c.631delC	p.L211fs
TMEM207	NM_207316	c.C169G	p.L57V
TMEM211	NM_001001663	c.C59A	p.A20D
TMEM213	NM_001085429	c.G107C	p.S36T
TMEM214	NM_001083590	c.G916A	p.V306M
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TMEM222	NM_032125	c.C622T	p.R208W
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TMEM225	NM_001013743	c.T586C	p.C196R
TMEM231	NM_001077416	c.C78G	p.S26R
TMEM231	NM_001077418	c.C16G	p.L6V
TMEM237	NM_001044385	c.G1096T	p.A366S

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TMEM244	NM_001010876	c.C30G	p.S10R
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TMEM25	NM_001144038	c.G275T	p.S92I
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TMEM251	NM_015676	c.G354T	p.K118N
TMEM252	NM_153237	c.G345C	p.E115D
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TMUB2	NM_024107	c.G623A	p.R208H
TMX1	NM_030755	c.A307T	p.I103F
TMX2	NM_001144012	c.G142C	p.G48R
TMX3	NM_019022	c.G997A	p.V333I
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TNFAIP3	NM_006290	c.T380G	p.F127C
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TNFAIP8L3	NM_207381	c.A670C	p.N224H
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TNFRSF10A	NM_003844	c.A683C	p.E228A
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TNFRSF10A	NM_003844	c.G626C	p.R209T
TNFRSF10A	NM_003844	c.G1322A	p.R441K
TNFRSF10B	NM_003842	c.C590T	p.T197M
TNFRSF10B	NM_003842	c.C95T	p.P32L
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TNFRSF10B	NM_147187	c.C682T	p.R228C

TNFRSF10C	NM_003841	c.T686C	p.I229T
TNFRSF10D	NM_003840	c.C293G	p.P98R
TNFRSF10D	NM_003840	c.C523T	p.R175W
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TNFRSF13C	NM_052945	c.C475T	p.H159Y
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TNFRSF14	NM_003820	c.G721A	p.V241I
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TNFRSF19	NM_001204458	c.G1213A	p.V405I
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TNFRSF1B	NM_001066	c.G694A	p.E232K
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TNFRSF25	NM_001039664	c.A476G	p.D159G
TNFRSF25	NM_003790	c.G68A	p.R23Q
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TNFRSF4	NM_003327	c.C470T	p.P157L
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TNNT2	NM_001001431	c.C421T	p.R141W
TNNT2	NM_001001432	c.C406T	p.R136W
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TNS2	NM_015319	c.G1619A	p.R540Q
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TNS2	NM_198316	c.G686C	p.S229T
TNS3	NM_022748	c.A3148G	p.T1050A
TNS3	NM_022748	c.A841C	p.N281H
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TNS4	NM_032865	c.G1493A	p.S498N
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TNXB	NM_019105	c.A12164T	p.N4055I

TNXB	NM_019105	c.A1837G	p.S613G
TNXB	NM_019105	c.A3482G	p.H1161R
TNXB	NM_019105	c.A9044G	p.K3015R
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TNXB	NM_019105	c.C4484T	p.T1495I
TNXB	NM_019105	c.C6649A	p.P2217T
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TNXB	NM_019105	c.G4444A	p.V1482M
TNXB	NM_019105	c.G5713A	p.E1905K
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TOB2	NM_016272	c.G506A	p.R169H
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TOP2A	NM_001067	c.G4543T	p.A1515S

TOP2B	NM_001068	c.A4836T	p.E1612D
TOP3A	NM_004618	c.A2558G	p.N853S
TOP3A	NM_004618	c.C1213T	p.R405C
TOP3A	NM_004618	c.C840G	p.I280M
TOP3A	NM_004618	c.G2518A	p.G840R
TOP3B	NM_001282112	c.A1145G	p.H382R
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TOPBP1	NM_007027	c.C2450T	p.S817L
TOPBP1	NM_007027	c.C925T	p.R309C
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TOPORS	NM_001195622	c.A2050G	p.N684D
TOPORS	NM_005802	c.A2245G	p.N749D
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TOR1A	NM_000113	c.G646C	p.D216H
TOR1AIP1	NM_001267578	c.A882C	p.Q294H
TOR1AIP1	NM_001267578	c.C830G	p.P277R
TOR1AIP1	NM_001267578	c.T437C	p.M146T
TOR1AIP1	NM_015602	c.A879C	p.Q293H
TOR1AIP1	NM_015602	c.C827G	p.P276R
TOR2A	NM_001134430	c.C665T	p.A222V
TOR2A	NM_001252018	c.C307T	p.R103W
TOR2A	NM_001085347	c.A607G	p.K203E
TOR2A	NM_001252018	c.A121G	p.K41E
TOR3A	NM_022371	c.T37C	p.F13L
TOR4A	NM_017723	c.G194A	p.R65Q
TOX	NM_014729	c.A365G	p.N122S
TOX2	NM_001098797	c.A421G	p.M141V
TOX2	NM_001098797	c.G554C	p.S185T
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TP53	NM_000546	c.C215G	p.P72R
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TP53AIP1	NM_022112	c.A304G	p.R102G
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TP53BP1	NM_001141979	c.A3421C	p.K1141Q
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TP53BP2	NM_001031685	c.C268T	p.R90C
TP53BP2	NM_005426	c.C179T	p.A60V
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TP53RK	NM_033550	c.A385G	p.T129A
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TP53TG5	NM_014477	c.C662T	p.P221L

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TP73	NM_001204188	c.G1085A	p.R362Q
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TPMT	NM_000367	c.G460A	p.A154T
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TPX2	NM_012112	c.G1519A	p.E507K
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TRABD2A	NM_001277053	c.C1289T	p.P430L
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TRAF3IP1	NM_015650	c.G416A	p.R139Q
TRAF3IP2	NM_001164281	c.C220T	p.R74W
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TRAFD1	NM_001143906	c.A908C	p.E303A
TRAIP	NM_005879	c.G535A	p.E179K
TRAK1	NM_001265609	c.C644T	p.S215L
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TRAK2	NM_015049	c.G424A	p.V142I
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TRANK1	NM_014831	c.G698A	p.R233H
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TRAPPC9	NM_001160372	c.C263T	p.S88L
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TREM2	NM_001271821	c.G185A	p.R62H
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TREML4	NM_198153	c.C503T	p.T168I
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TRERF1	NM_001297573	c.G356A	p.G119D
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TRIM38	NM_006355	c.C377T	p.T126I
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TRIO	NM_007118	c.T8216C	p.L2739P
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TRIOBP	NM_001039141	c.A3899G	p.H1300R
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TRIOBP	NM_001039141	c.T3559C	p.F1187L
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TRUB2	NM_015679	c.G969C	p.L323F
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TSEN34	NM_001077446	c.C392T	p.S131L
TSEN54	NM_207346	c.A409C	p.I137L
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TSGA13	NM_001304968	c.T146G	p.L49R
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TSPYL6	NM_001003937	c.C736T	p.R246C
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TSR1	NM_018128	c.C2250A	p.H750Q

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TTBK1	NM_032538	c.T3551C	p.L1184S
TTBK2	NM_173500	c.T23C	p.L8P
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ULBP3	NM_024518	c.G410A	p.R137H
ULBP3	NM_024518	c.G85A	p.A29T
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ULK1	NM_003565	c.C725T	p.T242I
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ULK2	NM_001142610	c.C724T	p.P242S
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ULK4	NM_017886	c.A1042G	p.S348G
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UMOD	NM_003361	c.A184C	p.T62P
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UMODL1	NM_001199527	c.A4093C	p.N1365H
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UMODL1	NM_001199528	c.A3709C	p.N1237H
UMODL1	NM_001199528	c.C2152T	p.R718W
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UMODL1	NM_001199528	c.G2986A	p.G996S
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UMODL1	NM_173568	c.A4309C	p.N1437H
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UMODL1	NM_001199528	c.T1700C	p.I567T
UMODL1	NM_173568	c.T2300C	p.I767T
UMPS	NM_000373	c.A1336G	p.I446V
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UNC119	NM_005148	c.G356A	p.R119Q
UNC13A	NM_001080421	c.G3397T	p.A1133S
UNC13C	NM_001080534	c.C2825T	p.S942L
UNC13D	NM_199242	c.A2542C	p.I848L
UNC13D	NM_199242	c.A2599G	p.K867E
UNC13D	NM_199242	c.C2782T	p.R928C
UNC13D	NM_199242	c.C2896T	p.R966W
UNC13D	NM_199242	c.C811T	p.P271S
UNC45A	NM_001039675	c.C2342T	p.T781M
UNC45A	NM_001039675	c.C401T	p.T134M
UNC45A	NM_018671	c.C2387T	p.T796M
UNC45A	NM_018671	c.C446T	p.T149M
UNC45A	NM_018671	c.G1309T	p.G437C
UNC45B	NM_001033576	c.G178A	p.V60I
UNC45B	NM_001033576	c.G2327A	p.R776Q
UNC45B	NM_173167	c.A977G	p.N326S
UNC45B	NM_173167	c.G2333A	p.R778Q
UNC50	NM_014044	c.A640G	p.S214G
UNC5B	NM_001244889	c.G2427C	p.Q809H
UNC5B	NM_170744	c.A2463G	p.I821M
UNC5B	NM_170744	c.G2460C	p.Q820H
UNC5C	NM_003728	c.G2521A	p.A841T
UNC5C	NM_003728	c.T2162C	p.M721T
UNC5CL	NM_173561	c.A1294G	p.R432G
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UNC5CL	NM_173561	c.C438A	p.D146E
UNC5CL	NM_173561	c.G124T	p.A42S
UNC79	NM_020818	c.G4156A	p.E1386K
UNC79	NM_020818	c.G4477A	p.V1493I
UNC79	NM_020818	c.T4259C	p.V1420A
UNC80	NM_032504	c.C404T	p.T135I
UNC93A	NM_001143947	c.G748A	p.V250I
UNC93A	NM_001143947	c.T215C	p.I72T
UNC93A	NM_018974	c.G455A	p.G152D
UNC93A	NM_018974	c.G874A	p.V292I
UNK	NM_001080419	c.G1048A	p.A350T
UNKL	NM_001037125	c.C757A	p.L253I
UNKL	NM_001193388	c.G1375A	p.G459S
UPF3A	NM_023011	c.G955A	p.A319T
UPF3A	NM_080687	c.G856A	p.A286T
UPK1A	NM_001281443	c.C26T	p.A9V
UPK1A	NM_001281443	c.G292C	p.V98L
UPK1A	NM_001281443	c.T97G	p.S33A
UPK1A	NM_007000	c.T770C	p.M257T
UPK1B	NM_006952	c.A647G	p.Q216R
UPK1B	NM_006952	c.A338G	p.Q113R
UPK2	NM_006760	c.C22T	p.R8W
UPK3A	NM_006953	c.G202A	p.D68N
UPK3A	NM_006953	c.G460C	p.A154P
UPK3B	NM_030570	c.G669C	p.K223N

UPK3B	NM_182683	c.G686A	p.R229K
UPK3B	NM_182684	c.G766A	p.E256K
UPP2	NM_001135098	c.148_149insA	p.V50fs
UQCC1	NM_018244	c.G152A	p.R51Q
UQCC2	NM_032340	c.A353G	p.K118R
UQCC2	NM_032340	c.A45C	p.E15D
UQCC3	NM_001085372	c.G265A	p.G89S
UQCR10	NM_001003684	c.A139G	p.I47V
UQCRC1	NM_003365	c.G1303A	p.E435K
UQCRC2	NM_003366	c.G548A	p.R183Q
UQCRH	NM_006004	c.A65G	p.E22G
UQCRHL	NM_001089591	c.G73A	p.E25K
URAD	NM_001105577	c.A170C	p.Q57P
URB2	NM_014777	c.A2572G	p.K858E
URB2	NM_014777	c.T2333G	p.V778G
URGCP	NM_001077663	c.A2335C	p.M779L
URGCP	NM_001077664	c.A2206C	p.M736L
URGCP	NM_001077664	c.A70G	p.T24A
URGCP	NM_001290076	c.A1960G	p.T654A
URGCP	NM_017920	c.A2308C	p.M770L
URGCP-MRPS24	NM_001204871	c.A172G	p.T58A
UROC1	NM_001165974	c.G1529A	p.R510H
UROC1	NM_001165974	c.G1685A	p.R562Q
UROD	NM_000374	c.G952A	p.G318R
UROD	NM_000374	c.T758A	p.L253Q
UROS	NM_000375	c.T512G	p.V171G
USB1	NM_024598	c.C748G	p.Q250E
USH1C	NM_005709	c.C1474T	p.R492W
USH1C	NM_005709	c.G1243A	p.A415T
USH1C	NM_153676	c.G2611A	p.A871T
USH1G	NM_173477	c.C837G	p.D279E
USH2A	NM_007123	c.A4343G	p.N1448S
USH2A	NM_007123	c.G4457A	p.R1486K
USH2A	NM_007123	c.T1439C	p.V480A
USH2A	NM_206933	c.A10232C	p.E3411A
USH2A	NM_206933	c.A11602G	p.M3868V
USH2A	NM_206933	c.A15562G	p.S5188G
USH2A	NM_206933	c.A5975G	p.Y1992C
USH2A	NM_206933	c.A9343G	p.T3115A
USH2A	NM_206933	c.A9595G	p.N3199D
USH2A	NM_206933	c.C11504T	p.T3835I
USH2A	NM_206933	c.C11677A	p.P3893T
USH2A	NM_206933	c.C13477T	p.R4493C
USH2A	NM_206933	c.C14453T	p.P4818L
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USH2A	NM_206933	c.T6317C	p.I2106T
USH2A	NM_206933	c.T6506C	p.I2169T
USH2A	NM_007123	c.G373A	p.A125T
USHBP1	NM_001297703	c.504dupC	p.H169fs
USHBP1	NM_001297703	c.A1123G	p.M375V
USHBP1	NM_001297703	c.C1838T	p.A613V
USHBP1	NM_001297703	c.G395A	p.R132H
USHBP1	NM_031941	c.696dupC	p.H233fs
USHBP1	NM_031941	c.A1315G	p.M439V
USHBP1	NM_031941	c.C2030T	p.A677V
USHBP1	NM_031941	c.G587A	p.R196H
USP10	NM_001272075	c.G622C	p.V208L
USP10	NM_005153	c.G610C	p.V204L
USP16	NM_001001992	c.A423T	p.Q141H
USP19	NM_001199160	c.G106C	p.D36H
USP2	NM_004205	c.A1148G	p.N383S
USP2	NM_004205	c.G521A	p.R174Q
USP2	NM_171997	c.A521G	p.N174S
USP21	NM_001014443	c.C1012T	p.R338C
USP21	NM_001014443	c.C271T	p.P91S
USP21	NM_001014443	c.G962A	p.G321D
USP21	NM_012475	c.C1006A	p.P336T
USP24	NM_015306	c.G6929A	p.R2310Q
USP24	NM_015306	c.T7403C	p.V2468A
USP24	NM_015306	c.C677T	p.T226I
USP28	NM_020886	c.A2515G	p.K839E
USP29	NM_020903	c.A1103G	p.N368S
USP31	NM_020718	c.A1513T	p.T505S
USP31	NM_020718	c.A4018G	p.S1340G
USP31	NM_020718	c.C3925T	p.R1309C
USP31	NM_020718	c.G2792T	p.R931L
USP34	NM_014709	c.A2113C	p.I705L
USP34	NM_014709	c.T6192A	p.H2064Q
USP34	NM_014709	c.T1982C	p.M661T
USP35	NM_020798	c.1955delC	p.T652fs
USP35	NM_020798	c.A2029G	p.I677V
USP35	NM_020798	c.C1411T	p.R471C
USP35	NM_020798	c.C1661T	p.P554L
USP35	NM_020798	c.G706A	p.V236M
USP35	NM_020798	c.T982C	p.S328P
USP35	NM_020798	c.G2626C	p.A876P
USP36	NM_025090	c.A1467G	p.I489M
USP36	NM_025090	c.C2482T	p.R828C
USP36	NM_025090	c.C3068G	p.S1023C
USP36	NM_025090	c.G1330A	p.G444S

USP36	NM_025090	c.G2110A	p.G704S
USP36	NM_025090	c.G347A	p.R116Q
USP36	NM_025090	c.G811A	p.V271I
USP37	NM_020935	c.G1988C	p.S663T
USP38	NM_001290325	c.A2026G	p.K676E
USP4	NM_001251877	c.C346A	p.P116T
USP4	NM_003363	c.G34T	p.D12Y
USP40	NM_018218	c.C3367T	p.R1123C
USP40	NM_018218	c.G1742A	p.R581Q
USP40	NM_018218	c.G2057A	p.G686D
USP40	NM_018218	c.T2033C	p.V678A
USP42	NM_032172	c.C1546T	p.H516Y
USP42	NM_032172	c.G2551T	p.A851S
USP42	NM_032172	c.G2567A	p.S856N
USP42	NM_032172	c.G3194C	p.R1065T
USP42	NM_032172	c.T2279G	p.L760R
USP42	NM_032172	c.T3089C	p.L1030P
USP43	NM_001267576	c.G1922T	p.C641F
USP44	NM_001042403	c.A271G	p.T91A
USP44	NM_001278393	c.C1804T	p.P602S
USP44	NM_032147	c.A367C	p.M123L
USP45	NM_001080481	c.A199G	p.K67E
USP45	NM_001080481	c.G1562C	p.R521T
USP45	NM_001080481	c.G1950T	p.K650N
USP45	NM_001080481	c.2104_2105insAT	p.H702fs
USP47	NM_001282659	c.G280C	p.D94H
USP47	NM_001282659	c.G428T	p.G143V
USP47	NM_001282659	c.T3749C	p.I1250T
USP47	NM_017944	c.G224T	p.G75V
USP47	NM_017944	c.G76C	p.D26H
USP47	NM_017944	c.T3545C	p.I1182T
USP48	NM_032236	c.A2386G	p.I796V
USP5	NM_003481	c.T1448C	p.V483A
USP53	NM_019050	c.T2886G	p.S962R
USP54	NM_152586	c.A3736G	p.K1246E
USP6	NM_001304284	c.C1366T	p.R456W
USP6	NM_001304284	c.G1244A	p.C415Y
USP6	NM_001304284	c.G1573A	p.V525I
USP6	NM_001304284	c.G2735A	p.R912Q
USP6	NM_004505	c.C3301T	p.R1101W
USP6NL	NM_001080491	c.C1235T	p.P412L
USP6NL	NM_014688	c.C1184T	p.P395L
USP7	NM_001286457	c.A2764C	p.K922Q
USP7	NM_003470	c.A2812C	p.K938Q
USP8	NM_001128610	c.A2215G	p.T739A
USP8	NM_001128610	c.C1330T	p.R444C
USP8	NM_001128610	c.G1042A	p.A348T
USP8	NM_001283049	c.A1097G	p.D366G
USP8	NM_001283049	c.A1897G	p.T633A
USP8	NM_001283049	c.C1099T	p.R367C



USP8	NM_005154	c.A1328G	p.D443G
USPL1	NM_005800	c.A3163T	p.S1055C
USPL1	NM_005800	c.C1150T	p.P384S
USPL1	NM_005800	c.G1564C	p.A522P
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UTP11L	NM_016037	c.A407G	p.H136R
UTP14C	NM_021645	c.A301G	p.T101A
UTP14C	NM_021645	c.G956A	p.R319H
UTP14C	NM_021645	c.G254T	p.G85V
UTP15	NM_001284431	c.G728A	p.R243K
UTP20	NM_014503	c.A6383G	p.K2128R
UTP20	NM_014503	c.C896T	p.S299L
UTP20	NM_014503	c.G2078A	p.R693K
UTP20	NM_014503	c.G7960A	p.V2654I
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UTP20	NM_014503	c.T146C	p.F49S
UTP20	NM_014503	c.T5645A	p.L1882Q
UTP23	NM_032334	c.A583C	p.K195Q
UTP23	NM_032334	c.C644T	p.P215L
UTP3	NM_020368	c.C1229T	p.A410V
UTP3	NM_020368	c.C580T	p.P194S
UTP3	NM_020368	c.C68T	p.T23M
UTP6	NM_018428	c.T400G	p.L134V
UTRN	NM_007124	c.A4247G	p.Q1416R
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UTRN	NM_007124	c.A6605G	p.N2202S
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UTRN	NM_007124	c.G1294A	p.A432T
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UTRN	NM_007124	c.G5920A	p.A1974T
UTRN	NM_007124	c.G6388A	p.E2130K
UTRN	NM_007124	c.T5638A	p.L1880I
UTS2	NM_006786	c.G221A	p.S74N
UTS2	NM_006786	c.T35C	p.I12T
UTS2	NM_021995	c.C62T	p.T21M
UTS2	NM_021995	c.G266A	p.S89N
UTS2	NM_021995	c.G47A	p.R16Q
UTS2R	NM_018949	c.G361T	p.V121L
UVRAG	NM_003369	c.A656G	p.E219G
UVSSA	NM_020894	c.C1738A	p.Q580K
UVSSA	NM_020894	c.C1808T	p.P603L
UVSSA	NM_020894	c.C343T	p.R115W
UVSSA	NM_020894	c.C581T	p.T194M
UVSSA	NM_020894	c.C988T	p.R330C
UVSSA	NM_020894	c.G1063A	p.G355R
UVSSA	NM_020894	c.G1172A	p.R391H
UVSSA	NM_020894	c.G985T	p.A329S
UVSSA	NM_020894	c.G989A	p.R330H
VANGL1	NM_001172411	c.G340A	p.A114T

VANGL1	NM_001172412	c.G346A	p.A116T
VANGL1	NM_138959	c.C766T	p.R256C
VANGL2	NM_020335	c.C1162T	p.R388W
VANGL2	NM_020335	c.C724G	p.L242V
VAPA	NM_003574	c.A421G	p.I141V
VAPA	NM_003574	c.A457G	p.M153V
VAPA	NM_194434	c.G534T	p.E178D
VARS	NM_006295	c.C1876T	p.P626S
VARS	NM_006295	c.C3023T	p.P1008L
VARS2	NM_001167733	c.C1250A	p.A417D
VARS2	NM_001167733	c.G1618T	p.V540L
VARS2	NM_001167733	c.G2330A	p.R777Q
VARS2	NM_001167733	c.G2473A	p.A825T
VARS2	NM_001167733	c.G2726A	p.R909Q
VARS2	NM_001167733	c.T925C	p.W309R
VARS2	NM_001167734	c.C2641T	p.R881C
VARS2	NM_001167734	c.G2128T	p.V710L
VARS2	NM_001167734	c.G2840A	p.R947Q
VARS2	NM_001167734	c.G2983A	p.A995T
VARS2	NM_001167734	c.G3236A	p.R1079Q
VARS2	NM_001167734	c.G513A	p.M171I
VARS2	NM_001167734	c.T1435C	p.W479R
VARS2	NM_020442	c.C2551T	p.R851C
VARS2	NM_020442	c.C76T	p.H26Y
VARS2	NM_020442	c.G2038T	p.V680L
VARS2	NM_020442	c.G2750A	p.R917Q
VARS2	NM_020442	c.G2893A	p.A965T
VARS2	NM_020442	c.G3146A	p.R1049Q
VARS2	NM_020442	c.T1345C	p.W449R
VASN	NM_138440	c.A1151C	p.E384A
VASN	NM_138440	c.G482A	p.R161Q
VASP	NM_003370	c.G106A	p.V36I
VAV1	NM_001258206	c.C2150T	p.T717M
VAV1	NM_001258207	c.C2120T	p.T707M
VAV1	NM_005428	c.C2216T	p.T739M
VAV2	NM_003371	c.G2396A	p.R799Q
VAV2	NM_003371	c.G2467A	p.G823R
VAV3	NM_006113	c.C1846T	p.P616S
VAV3	NM_006113	c.G1854C	p.Q618H
VAX2	NM_012476	c.C301T	p.R101W
VAX2	NM_012476	c.C761G	p.P254R
VAX2	NM_012476	c.T629C	p.L210P
VCAN	NM_001126336	c.G574A	p.G192R
VCAN	NM_001164097	c.A1586G	p.K529R
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VCAN	NM_001164097	c.T3941A	p.F1314Y
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VCAN	NM_004385	c.T6902A	p.F2301Y
VCL	NM_014000	c.C2801T	p.A934V
VDR	NM_000376	c.T2C	p.M1T
VDR	NM_001017535	c.G1109A	p.R370H
VDR	NM_001017536	c.T152C	p.M51T
VEGFB	NM_003377	c.G253A	p.D85N
VEGFC	NM_005429	c.C224G	p.P75R
VEGFC	NM_005429	c.G182A	p.R61Q
VEPH1	NM_001167911	c.T788G	p.V263G
VEPH1	NM_001167912	c.A2444G	p.N815S
VEZT	NM_017599	c.A484G	p.T162A
VEZT	NM_017599	c.G2285A	p.G762D
VGLL2	NM_153453	c.C382G	p.P128A
VGLL4	NM_001128219	c.A114G	p.I38M
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VHLL	NM_001004319	c.C136T	p.R46C
VIL1	NM_007127	c.C1820T	p.T607I
VILL	NM_015873	c.G2220C	p.L740F
VIMP	NM_203472	c.G389T	p.G130V
VIPR2	NM_003382	c.T1229C	p.F410S
VIT	NM_001177972	c.A183T	p.K61N
VMAC	NM_001017921	c.C298T	p.R100W
VMO1	NM_001144939	c.A76G	p.T26A
VMO1	NM_001144939	c.C230G	p.T77S
VMO1	NM_182566	c.G308A	p.G103E
VN1R1	NM_020633	c.C722T	p.S241F
VN1R2	NM_173856	c.G935C	p.R312T
VNN1	NM_004666	c.A1006G	p.T336A
VNN1	NM_004666	c.C77T	p.T26I
VNN2	NM_001242350	c.C137T	p.S46F
VNN2	NM_078488	c.G456T	p.R152S
VNN3	NM_001291702	c.G436A	p.A146T
VNN3	NM_001291702	c.T272C	p.F91S
VPREB1	NM_001303509	c.A1G	p.M1V
VPREB1	NM_001303509	c.G223A	p.D75N
VPREB1	NM_001303509	c.G391A	p.E131K
VPREB1	NM_001303509	c.T2C	p.M1T
VPREB1	NM_007128	c.G226A	p.D76N
VPREB1	NM_007128	c.G394A	p.E132K
VPREB3	NM_013378	c.G179A	p.R60Q
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VPS13A	NM_001018037	c.G5800A	p.V1934I
VPS13A	NM_015186	c.G5917A	p.V1973I
VPS13A	NM_015186	c.T2693C	p.V898A
VPS13A	NM_033305	c.G4469A	p.R1490K
VPS13B	NM_015243	c.G1700A	p.G567E

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VPS13B	NM_017890	c.C9667T	p.R3223W
VPS13B	NM_017890	c.G7052A	p.R2351Q
VPS13B	NM_017890	c.T7751C	p.V2584A
VPS13B	NM_152564	c.A9349G	p.S3117G
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VPS13C	NM_001018088	c.A4483G	p.I1495V
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VPS13D	NM_015378	c.C7294T	p.R2432C
VPS16	NM_022575	c.G1449C	p.R483S
VPS16	NM_022575	c.G1840A	p.E614K
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VPS16	NM_022575	c.T2182C	p.W728R
VPS16	NM_080413	c.T1750C	p.W584R
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VPS37C	NM_017966	c.T593C	p.L198S
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VRTN	NM_018228	c.A925G	p.K309E
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VSIG8	NM_001013661	c.C440T	p.A147V
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VSTM2L	NM_080607	c.C275T	p.A92V
VSTM4	NM_001031746	c.T203C	p.F68S
VSTM4	NM_144984	c.G245A	p.R82Q
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VSX1	NM_199425	c.G650A	p.R217H
VSX2	NM_182894	c.G871A	p.D291N
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VWA3A	NM_173615	c.G1004A	p.R335Q
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VWA3A	NM_173615	c.T889G	p.F297V
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VWA5B1	NM_001039500	c.T713A	p.V238E
VWA7	NM_025258	c.C2131T	p.R711C
VWA7	NM_025258	c.G410A	p.R137H
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VWC2	NM_198570	c.A767C	p.Q256P
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VWCE	NM_152718	c.C2363A	p.T788K
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VWDE	NM_001135924	c.C1820T	p.S607F
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WDHD1	NM_007086	c.G3304A	p.E1102K
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WDR83	NM_001099737	c.G911A	p.R304Q
WDR86	NM_001284260	c.G1001A	p.G334E
WDR86	NM_001284261	c.T544C	p.C182R
WDR86	NM_001284262	c.T680C	p.M227T
WDR86	NM_198285	c.T1064C	p.M355T
WDR88	NM_173479	c.C512G	p.A171G
WDR88	NM_173479	c.G310A	p.A104T
WDR88	NM_173479	c.T928C	p.C310R

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WDR90	NM_145294	c.C3001A	p.P1001T
WDR90	NM_145294	c.C3994T	p.R1332C
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WDR90	NM_145294	c.G4829A	p.R1610Q
WDR90	NM_145294	c.G668A	p.R223Q
WDR90	NM_145294	c.T4663C	p.C1555R
WDR91	NM_014149	c.C770T	p.P257L
WDR92	NM_001256476	c.A721G	p.M241V
WDR92	NM_001256476	c.G841A	p.A281T
WDR93	NM_001284395	c.A1688C	p.Y563S
WDR93	NM_001284395	c.A589G	p.I197V
WDR93	NM_001284395	c.G56A	p.R19Q
WDR93	NM_001284395	c.T197A	p.L66H
WDR93	NM_001284395	c.T760A	p.S254T
WDR93	NM_020212	c.A1772C	p.Y591S
WDSUB1	NM_001128212	c.A644C	p.K215T
WDSUB1	NM_001128212	c.C958A	p.R320S
WDYHV1	NM_001283024	c.A98G	p.N33S
WDYHV1	NM_001283024	c.C220T	p.R74C
WDYHV1	NM_001283024	c.T166A	p.F56I
WDYHV1	NM_018024	c.A278G	p.N93S
WDYHV1	NM_018024	c.A94G	p.I32V
WDYHV1	NM_018024	c.C400T	p.R134C
WDYHV1	NM_018024	c.T346A	p.F116I
WEE1	NM_003390	c.G628T	p.G210C
WEE2	NM_001105558	c.25_26insAAAG	p.E9fs
WFDC1	NM_001282466	c.G13A	p.G5S
WFDC1	NM_001282467	c.G548A	p.R183H
WFDC10B	NM_172006	c.T23C	p.L8P
WFDC3	NM_080614	c.C106G	p.H36D
WFDC5	NM_145652	c.C289T	p.H97Y
WFDC5	NM_145652	c.C308T	p.S103L
WFDC8	NM_130896	c.A410G	p.N137S
WFDC8	NM_130896	c.T287C	p.M96T
WFDC8	NM_181510	c.C142T	p.P48S
WFDC9	NM_147198	c.A80C	p.N27T
WFIKKN2	NM_175575	c.G1363A	p.V455I
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WFS1	NM_001145853	c.C1037T	p.P346L
WFS1	NM_001145853	c.C1511T	p.P504L
WFS1	NM_001145853	c.G1367A	p.R456H
WFS1	NM_001145853	c.G1371T	p.R457S
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WHAMM	NM_001080435	c.2207delA	p.H736fs
WHAMM	NM_001080435	c.A635G	p.N212S
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WHSC1	NM_001042424	c.C341G	p.T114S
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WIPF3	NM_001080529	c.A962G	p.E321G
WIP11	NM_017983	c.C92T	p.T31I
WISP1	NM_003882	c.G550A	p.V184I
WISP2	NM_003881	c.G176A	p.R59Q
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WISP3	NM_198239	c.G222T	p.Q74H
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WIZ	NM_021241	c.C1865T	p.P622L
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WIZ	NM_021241	c.C2342T	p.S781F
WNK1	NM_001184985	c.C6248T	p.P2083L
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WNK2	NM_006648	c.C2360T	p.P787L
WNK2	NM_006648	c.C2593T	p.P865S
WNK4	NM_032387	c.C716G	p.S239W
WNT1	NM_005430	c.T264A	p.S88R
WNT10A	NM_025216	c.C149T	p.P50L
WNT10A	NM_025216	c.G493A	p.G165R
WNT10A	NM_025216	c.G499A	p.E167K
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WNT10A	NM_025216	c.T682A	p.F228I
WNT10B	NM_003394	c.C901T	p.P301S
WNT11	NM_004626	c.G361A	p.A121T
WNT16	NM_016087	c.C758T	p.T253I
WNT16	NM_016087	c.G214A	p.G72R
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WNT2	NM_003391	c.G1004A	p.R335H
WNT4	NM_030761	c.T238C	p.Y80H
WNT7B	NM_058238	c.C902T	p.A301V
WNT8B	NM_003393	c.G32C	p.C11S
WNT9B	NM_003396	c.G376A	p.A126T
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WRAP53	NM_001143991	c.C1325T	p.T442M
WRAP53	NM_001143991	c.C202G	p.R68G
WRAP53	NM_001143992	c.C1075T	p.P359S
WRAP73	NM_017818	c.C993G	p.I331M
WRAP73	NM_017818	c.G785C	p.G262A
WRN	NM_000553	c.G1161A	p.M387I
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WRN	NM_000553	c.G340A	p.V114I
WRN	NM_000553	c.T2950A	p.L984I
WRN	NM_000553	c.T4099C	p.C1367R
WSB1	NM_015626	c.T47C	p.L16S
WSCD1	NM_015253	c.T1603C	p.S535P
WSCD2	NM_001304447	c.C797T	p.T266I
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WWC1	NM_001161661	c.2203delT	p.S735fs
WWC1	NM_001161661	c.A1817G	p.N606S
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WWC2	NM_024949	c.G1349A	p.R450Q
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WWOX	NM_016373	c.C1238A	p.S413Y
WWOX	NM_016373	c.C635T	p.A212V
WWOX	NM_016373	c.G535A	p.A179T
WWOX	NM_130791	c.A544G	p.K182E
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WWTR1	NM_001168278	c.1198_1199insTTAA	p.L400fs
WWTR1	NM_001168278	c.C221A	p.P74Q
XAB2	NM_020196	c.C1627T	p.R543C
XAB2	NM_020196	c.G1109A	p.R370H
XDH	NM_000379	c.A2107G	p.I703V
XDH	NM_000379	c.A2362T	p.I788F
XDH	NM_000379	c.C2441T	p.A814V
XDH	NM_000379	c.C3886T	p.R1296W
XDH	NM_000379	c.G328A	p.G110S
XDH	NM_000379	c.G514A	p.G172R
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XIRP1	NM_001198621	c.A2894C	p.H965P
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XKR3	NM_175878	c.C428T	p.T143M
XKR3	NM_175878	c.C695T	p.P232L
XKR5	NM_207411	c.A205G	p.M69V
XKR6	NM_173683	c.C1664T	p.T555M
XKR6	NM_173683	c.G533C	p.S178T
XKR7	NM_001011718	c.C860T	p.S287L
XKR9	NM_001011720	c.C664T	p.L222F
XPC	NM_004628	c.C142T	p.L48F
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XPO5	NM_020750	c.G722A	p.S241N
XRCC1	NM_006297	c.A1196G	p.Q399R
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XRCC3	NM_001100118	c.C722T	p.T241M
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XRRA1	NM_001270380	c.C1157G	p.T386R
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XRRA1	NM_182969	c.C1418G	p.T473R
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XYLB	NM_005108	c.A478C	p.S160R
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XYLT2	NM_022167	c.C2402G	p.T801R
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YARS2	NM_001040436	c.G572T	p.G191V
YDJC	NM_001017964	c.G787A	p.A263T
YEATS2	NM_018023	c.G1588A	p.V530I
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YIF1B	NM_001145463	c.C157T	p.P53S
YIPF2	NM_024029	c.G578A	p.R193H
YIPF3	NM_015388	c.C14T	p.A5V
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YJEFN3	NM_001190328	c.C227T	p.P76L
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YLPM1	NM_019589	c.C761T	p.P254L
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YTHDC2	NM_022828	c.A1693T	p.T565S
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