

Monogenic Diseases Variant List

GENE	REFSEQ	VARIANT
ACTB	NM_001101.5	c.1013C>T, c.905G>C, c.802G>T, c.802G>C, c.773C>T, c.629G>A, c.628C>T, c.625G>T, c.625G>A, c.617G>A, c.616C>T, c.611C>G, c.616C>G, c.598T>G, c.587G>T, c.587G>A, c.586C>T, c.547C>G, c.491C>A, c.359C>T, c.351G>T, c.350A>T, c.349G>A, c.224T>C, c.220G>T, c.220G>A, c.217C>T, c.217C>G, c.209C>T, c.193C>T, c.193C>G, c.158A>G, c.1090G>C, c.1066T>C, c.1043C>T, c.548G>A, c.490C>T, c.82C>G, c.890_891del, c.329del, c.559_562del, c.475_476insG, c.143del, c.547C>T
ACTG1	NM_001614.5	c.1109T>C, c.1013C>G, c.1004G>A, c.848T>C, c.833C>T, c.791C>T, c.766C>T, c.760C>T, c.721G>A, c.637A>C, c.628C>T, c.617G>A, c.616C>T, c.608C>T, c.608C>A, c.547C>T, c.464C>T, c.404C>T, c.359C>T, c.354G>C, c.354G>C, c.353A>T, c.277G>A, c.266C>T, c.209C>T, c.151G>A, c.118C>T, c.94C>T, c.1003C>T, c.629G>A, c.542C>T
ACTG2	NM_001615.4	c.118C>T, c.119G>A, c.134T>C, c.187C>G, c.188G>T, c.188G>A, c.400T>A, c.442C>A, c.442C>T, c.443G>T, c.532C>T, c.533G>A, c.533G>T, c.588G>C, c.588G>T, c.593G>A, c.593G>T, c.632G>T, c.769C>T, c.770G>A, c.806_807delinsAA, c.968C>T, c.613G>A, c.632G>A
ACVR1	NM_001111067.4	c.1124G>C, c.982G>T, c.982G>A, c.774G>C, c.772A>G, c.605G>T, c.587T>C, c.1067G>A, c.983G>A, c.617G>A
ADNP	NM_001282531.3	c.124G>T, c.106_107insG, c.3069_3072del, c.1102C>T, c.2865_2868del, c.2808del, c.2630_2633del, c.2499del, c.2496_2499del, c.2491_2494del, c.2424_2427del, c.2287del, c.2268_2269insC, c.2239G>T, c.2230G>T, c.2213C>A, c.2194_2197del, c.2188C>T, c.2157del, c.2157C>G, c.2156_2157insA, c.2157C>A, c.2155del, c.2129_2130insC, c.1717del, c.1235del, c.1222_1223del, c.1211C>A, c.1106_1108delinsCTGT, c.1046_1047del, c.1033C>T, c.819del, c.673C>T, c.655_656del, c.539_542del, c.517C>T, c.484C>T, c.190_191insA, c.95_96insT, c.70del, c.56_57del, c.67_70del
AKT3	NM_005465.7	c.49G>A, c.1393C>T, c.686A>G, c.548T>A, c.237G>T, c.237G>C
ANKRD11	NM_013275.6	c.7535G>A, c.7825C>T, c.7570-1G>A, c.7569+1G>A, c.7552C>T, c.7519C>T, c.7471-2A>G, c.7470+2T>C, c.7470+1G>C, c.7407C>G, c.7356_7357insC, c.7327C>T, c.7192C>T, c.7189C>T, c.7180C>T, c.7138C>T, c.7083_7084insC, c.7062del, c.7048C>T, c.6836_6837del, c.6793del, c.6792_6793insC, c.6792del, c.6786_6787insA, c.6766C>T, c.6624_6625del, c.6623C>A, c.6596_6597insA, c.6513del, c.6472G>T, c.6469del, c.6430C>T, c.6340C>T, c.6249del, c.6210_6211del, c.6138del, c.6015_6016insA, c.5953_5954del, c.5810_5811insG, c.5777_5778insC, c.5667del, c.5659C>T, c.5651C>G, c.5564_5565del, c.5550C>G, c.5504del, c.5494_5495del, c.5437C>T, c.5434C>T, c.5317G>T, c.5233_5234del, c.5227C>T, c.5174_5175insC, c.5146G>T, c.5145C>G, c.5123C>A, c.5117del, c.4964_4965del, c.4933del, c.4875del, c.4786G>C, c.4765C>G, c.4720G>C, c.4489_4490del, c.4396_4397del, c.4389_4390del, c.4384_4385insA, c.4372_4375del, c.4334_4335insT, c.4288A>T, c.4261G>T, c.4218C>A, c.4206C>G, c.4205_4206insA, c.4189del, c.4107_4108del, c.4091_4092del, c.4087C>T, c.3948del, c.3931C>T, c.3907del, c.3888_3889insC, c.3885_3886insAGAC, c.3843_3844insT, c.3835_3836insA, c.3774_3775del, c.3770_3773del, c.3770_3771del, c.3768_3769del, c.3704_3707del, c.3702_3705del, c.3632_3633del, c.3591_3594del, c.3562C>T, c.3547_3548del, c.3369_3372del, c.3367_3368del, c.3334_3335insA, c.3319_3322del, c.3309_3310insA, c.3309del, c.3224_3227del, c.3208_3209del, c.3198_3199del, c.3127del, c.3122C>A, c.3084C>A, c.3019C>T, c.2857del, c.2828_2829del, c.2751_2752insT, c.2750_2751del, c.2716C>T, c.2647del, c.2647G>T, c.2615_2616del, c.2589_2590insA, c.2523G>A, c.2518del, c.2512C>T, c.2454_2455insT, c.2409_2412del, c.2404_2407del, c.2398_2401del, c.2368G>T, c.2329_2332del, c.2329G>T, c.2329G>T, c.2305del, c.2297_2300del, c.2273_2274del, c.2273_2274insT, c.2197C>T, c.2177_2178del, c.2175_2178del, c.2090_2091del, c.2054_2055del, c.1977C>T, c.1977C>A, c.1970_1971del, c.1896_1897del, c.1893del, c.1801C>T, c.1731_1732insT, c.1679C>G, c.1652G>A, c.1583_1584insG, c.1459G>T, c.1444G>T, c.1388_1389del, c.1385_1388del, c.1381_1384del, c.1372C>T, c.1367_1370del, c.1318C>T, c.1285_1286del, c.1232C>A, c.1201_1204del, c.1018_1019insA, c.915del, c.893-1G>C, c.893-2A>G, c.867C>A, c.769G>T, c.744+1G>T, c.602-1G>A, c.601_601+insAG, c.505G>T, c.397+1G>A, c.226+1G>A, c.7711C>T, c.7636_7637insG, c.7314_7315insCTAC, c.7303del, c.7290C>G, c.7244_7247del, c.7234C>T, c.7222_7226delinsGGGG, c.7225G>T, c.7183C>T, c.7168C>T, c.7144_7145insC, c.7144C>T, c.7114_7115insC, c.7103_7106del, c.7062_7063insC, c.6982C>T, c.6923del, c.6882_6883del, c.6871G>T, c.6847C>T, c.6833_6834del, c.6807_6808del, c.6772_6773insG, c.6760G>T, c.6742C>T, c.6688_6689del, c.6677_6680delinsAGA, c.6670G>T, c.6589_6590insA, c.6580C>T, c.6465del, c.6402del, c.6320_6321insG, c.6288_6289insT, c.6218del, c.6212C>G, c.6197_6198delinsAA, c.6165del, c.6152_6153insC, c.6101del, c.6045C>A, c.5865del, c.5859del, c.5833G>T, c.5790C>G, c.5682_5683insC, c.5637_5638insA, c.5560_5563del, c.5537del, c.5469_5470insT, c.5469del, c.5442del, c.5438_5439insT, c.5375_5376del, c.5364C>G, c.5117_5118insC, c.5105_5106insG, c.5089C>T, c.5065del, c.5053del, c.5030_5031del, c.4948_4949insTA, c.4900del, c.4742_4743insAT, c.4634_4635insC, c.4634del, c.4624_4625del, c.4621_4624del, c.4619_4620del, c.4585A>T, c.4554del, c.4381_4384del, c.4381_4382del, c.4370_4373del, c.4370_4371del, c.4369A>T, c.4345_4346del, c.4333_4336del, c.4306_4307del, c.4306G>T, c.4270del, c.4176C>G, c.4145_4146insA, c.4140_4141del, c.4140C>G, c.4117A>T, c.4114G>T, c.4067del, c.4059del, c.4055_4058del, c.4052_4053insT, c.3936_3937insG, c.3829del, c.3812C>A, c.3787_3788del, c.3779C>A, c.3761del, c.3708_3709del, c.3706C>T, c.3651C>A, c.3603_3604del, c.3603_3604insC, c.3597_3598del, c.3562_3563insA, c.3535_3536insGACA, c.3509_3512del, c.3306_3309del, c.3268del, c.3244C>T, c.3240del, c.3239_3240del, c.3219_3220del, c.3201_3202insA, c.3187A>T, c.3151_3152del, c.3151G>T, c.3138T>A, c.3122C>G, c.3096del, c.3084del, c.3084C>G, c.3066del, c.3025_3026insGA, c.2944G>T, c.2904del, c.2853_2856del, c.2826_2829del, c.2810del, c.2793_2794insT, c.2777del, c.2618_2619del, c.2612_2613insGCGA, c.2607_2608insG, c.2553_2556del, c.2536del, c.2516_2517del, c.2500del, c.2494del, c.2464C>T, c.2434del, c.2413G>T, c.2350G>T, c.2327T>G, c.2299A>T, c.2288_2289del, c.2283C>G, c.2262_2265del, c.2166_2167insA, c.2130G>A, c.2089G>T, c.2088_2089insA, c.2073_2074insC, c.2063_2064insA, c.2047_2048del, c.2022_2023insA, c.1996C>T, c.1977_1978insTAC, c.1977del, c.1976_1977insA, c.1976_1977insAA, c.1948C>T, c.1901_1904del, c.1861A>T, c.1800_1801insG, c.1742_1743del, c.1726G>T, c.1708_1711del, c.1686del, c.1677G>A, c.1621C>T, c.1616_1617del, c.1558del, c.1536_1537insC, c.1523del, c.1477_1478del, c.1462_1463del, c.1422_1423insC, c.1401del, c.1389del, c.1381_1382del, c.1355_1356insA, c.1355del, c.1280_1281del, c.1146_1147insT, c.1119del, c.1063C>T, c.1009C>T, c.998del, c.977del, c.963_964insC, c.641_642insA, c.618del, c.568G>T, c.439C>T, c.424C>T, c.291del, c.249del, c.160C>T, c.99_100insA
ARID1A	NM_006015.6	c.148_149delinsTA, c.166C>T, c.284del, c.394del, c.511C>T, c.595C>T, c.666C>G, c.681_684del, c.854dup, c.971del, c.1015del, c.1135C>T, c.1207C>T, c.1210C>T, c.1251C>G, c.1348C>T, c.1397del, c.1585C>T, c.1602C>A, c.1642C>T, c.1653C>G, c.1813C>T, c.1850C>A, c.2008C>T, c.2122C>T, c.2272C>T, c.2434C>T, c.2632C>T, c.2683C>T, c.2914del, c.3105dup, c.3197_3198insAA, c.3826C>T, c.3858_3859insT, c.3898_3899del, c.3988C>T, c.4049del, c.4072C>T, c.4087C>T, c.4891C>T, c.5058G>A, c.5067T>C, c.3148G>T, c.2758C>T, c.2323C>T, c.175G>T, c.791C>A, c.1390C>T, c.3196C>T, c.3679G>T, c.4003C>T, c.4860dup, c.6232G>A, c.2879-1G>A, c.2988+1G>A, c.3198+2dup, c.5164C>T, c.5693del, c.5965C>T, c.4258C>T, c.4372C>T, c.4435C>T, c.4563del, c.4689del
ARID1B	NM_001374828.1	c.2675dup, c.2677dup, c.2714del, c.2728del, c.2875C>T, c.2886del, c.2912C>A, c.2956del, c.2986C>T, c.3038dup, c.3043dup, c.3061C>T, c.3101del, c.3126del, c.3156del, c.3180del, c.3220del, c.3261del, c.3261_3262insGA, c.3277A>T, c.3287del, c.3312dup, c.3532del, c.3552C>G, c.3581_3585delinsCAGA, c.3585G>A, c.3597C>G, c.3618_3619del, c.3664dup, c.3678_3679del, c.3709del, c.3720_3723del, c.3720_3723del, c.3730A>T, c.3730A>T, c.3746del, c.3770C>T, c.3797del, c.3814del, c.3819del, c.3827_3828del, c.3827del, c.3857del, c.3889_3890del, c.3901dup, c.3904C>T, c.3917del, c.3926C>A, c.3933del, c.3946C>T, c.3959C>G, c.3965_3966del, c.3979_3980delinsA, c.3997del, c.4001dup, c.4014del, c.4028dup, c.4050del, c.4069_4072del, c.4101_4102del, c.4106C>A, c.4125dup, c.4147_4149delinsAG, c.4212dup, c.4215del, c.4263del, c.4299C>A, c.4301del, c.4331_4332insCC, c.4342C>T, c.4352_4353del, c.4362T>A, c.4395del, c.4400dup, c.4432C>T, c.4441dup, c.4444_4445dup, c.4453C>T, c.4474C>T, c.4478del, c.4488del, c.4509C>G, c.4521del, c.4522A>T, c.4530dup, c.4540_4541del, c.4550del, c.4552C>T, c.4557C>A, c.4590del, c.4593_4594del, c.4627C>T, c.4638C>G, c.4647del, c.4689del, c.4691dup, c.4693G>T, c.4712del, c.4734del, c.4746del, c.4770_4771dup, c.4794C>A, c.4794C>G, c.4795C>T, c.4804C>T, c.4808del, c.4839C>G, c.4870dup, c.4940C>A, c.4957C>T, c.5028del, c.5070del, c.1987-29742G>A, c.2572C>T, c.2595dup, c.2603_2606del, c.2729dup, c.2746C>T, c.2773A>T, c.2773A>T, c.2844del, c.2851C>T, c.2863C>T, c.2902C>T, c.2983C>T, c.3151C>T, c.3187C>T, c.3247_3248del, c.3527del, c.3577_3578del, c.3592C>T, c.3632C>G, c.3655_3656dup, c.3673C>T, c.3692_3693del, c.3734G>A, c.3799C>T, c.3813C>G, c.3937C>T, c.3955dup, c.3955del, c.3955C>T, c.4146dup, c.4267C>T, c.4150C>T, c.4288C>T, c.4378C>T, c.4407T>A, c.4471C>T, c.4517del, c.4557C>G, c.4620del, c.4642dup, c.4705C>T, c.4825C>T, c.4905G>A, c.4835dup, c.4921C>T, c.4990C>T, c.5047del, c.5047C>T, c.5110C>T, c.1737del, c.1789C>T, c.4479G>A, c.1328dup, c.1451dup, c.1451del, c.1494del, c.1508dup, c.1560C>G, c.1609C>T, c.1688del, c.1732C>T, c.1773_1774dup, c.1861C>T, c.1867C>T, c.1870C>T, c.1950del, c.2002G>T, c.2032C>T, c.2038C>T, c.2051dup, c.2086dup, c.2086C>T, c.2107C>T, c.2113C>T, c.2124C>A, c.2170C>T, c.2239dup, c.2248-2A>G, c.2359C>T, c.2345dup, c.2410_2411delinsT, c.2452C>T, c.2458C>T, c.2468dup, c.2581+2T>C, c.2762-2_2762-2delinsAG, c.2762-2A>C, c.3089+2T>C, c.3235+1G>A, c.3235+2T>A, c.3345+1G>A, c.3345+1G>C, c.3505-2A>G, c.3714+1G>A, c.3714+2T>G, c.3715-2A>G, c.3919+1G>A, c.4058+1G>A, c.4058+1G>C, c.4231+1G>A, c.4232-1G>A, c.4383-1G>A, c.4479+1G>C, c.4479+1G>T, c.5218C>T, c.5224del, c.5239C>T, c.5258del, c.5263+1G>T, c.5264-2A>C, c.5264-2A>G, c.5272del, c.5394+1G>A, c.5394+1G>C, c.5395-2A>C, c.5395-1G>A, c.5417del, c.5626G>T, c.5633_5636del, c.5636_5639del, c.5698A>T, c.5763_5766del, c.5773C>T, c.5826G>A, c.5840del, c.5851G>T, c.5916dup, c.5916del, c.5939_5942del, c.5963_5964del, c.6001del, c.6058del, c.6072dup, c.6085_6086del, c.6091C>T, c.6094del, c.6103del, c.6145C>T, c.6180G>A, c.6181C>T, c.6193del, c.6199C>T, c.6337C>T, c.6751C>T, c.7069_7070del, c.1009C>T, c.1018G>T, c.1329del, c.1492del, c.1548del, c.1563del, c.1567_1568dup, c.1574del, c.1578del, c.1628del, c.1637_1638del, c.1648C>T, c.1681del, c.1693del, c.1719G>A, c.1767del, c.1781del, c.1811del, c.1853dup, c.1923T>C, c.1963G>T, c.1984C>T, c.2003del, c.2025C>G, c.2046del, c.2051_2052insAA, c.2056C>T, c.2058del, c.2059C>T, c.2073dup, c.2078del, c.2092C>T, c.2109dup, c.2187dup, c.2224C>T, c.2282_2283del, c.2287G>T, c.2323del, c.2386_2387dup, c.2400del, c.2496del, c.4911dup, c.4968_4969del, c.5069_5070delinsAGT, c.5257dup, c.5281dup
ASXL1	NM_015338.6	c.114dup, c.203del, c.217A>T, c.1281dup, c.658C>T, c.1045C>T, c.1117C>T, c.1210C>T, c.1282C>T, c.1368_1371del, c.1406dup, c.1446dup, c.1544_1545del, c.1719+1G>A, c.1720-2A>G, c.1867C>T, c.1934dup, c.1997dup, c.2036dup, c.2197C>T, c.2324T>G, c.2416_2417dup, c.2535dup, c.2759_2762dup, c.2773C>T, c.2922C>A, c.2966_2967del, c.3083C>A, c.3111G>A, c.3115C>T, c.3202C>T, c.3856C>T, c.4060G>T, c.4118_4119del, c.4243C>T, c.427C>T, c.1015C>T, c.1114C>T, c.1162_1163del, c.1283_1284del, c.1357G>T, c.1436_1437del, c.1567A>T, c.1569dup
ASXL3	NM_030632.3	c.1192_1195del, c.1210C>T, c.1377_1378del, c.1389_1390del, c.1471C>T, c.1500del, c.1738G>T, c.1783C>T, c.1808C>G, c.1849_1850del, c.1978_1981del, c.1990C>T, c.2801T>G, c.3001C>T, c.3039+1G>A, c.3106C>T, c.3349C>T, c.4153_4154del, c.4211_4212del, c.4219_4220del, c.4330C>T, c.4399C>T, c.5467C>T, c.4336_4337del, c.4462_4465del, c.694C>T, c.1095_1096del, c.1189C>T, c.1207C>T, c.1396C>T, c.1422dup, c.1448dup, c.1534_1535del, c.1535T>A, c.1579dup, c.1579del, c.1582G>T, c.1612G>T, c.1627_1628del, c.1628_1629del, c.1682C>A, c.1698_1699del, c.1777G>T, c.1884_1885del, c.1897_1898del, c.1939dup, c.3033dup, c.3039+1G>C, c.3039+1G>T, c.3039+2T>A, c.3043C>T, c.3049del, c.3065del, c.3076A>T, c.3263del, c.3275dup, c.3298del, c.3315_3318del, c.3325_3326del, c.3330_3333dup, c.3332_3333del, c.3352dup, c.3364C>T, c.3374_3377dup, c.3403_3405delinsCC, c.3443dup, c.3464C>A, c.3494_3495del, c.3511A>T, c.3592_3593insGAT, c.3613G>T, c.3621dup, c.3629C>A, c.3721_3724dup, c.3737C>A, c.3745_3748delinsTTT, c.3750_3753dup, c.3750_3753del, c.3774_3775insAACAA, c.3785_3786del, c.3811_3814dup, c.3827_3830dup, c.3894dup, c.3964C>T, c.4004C>G, c.4022_4023del, c.4087_4088delinsG, c.4120_4123dup, c.4144C>T, c.4156del, c.4164dup, c.4255_4258dup, c.4322C>G, c.4356del, c.4360C>T, c.436C>G, c.4403C>G, c.4409del, c.4534C>T, c.4624del, c.4678C>T, c.4826G>A, c.10_11del, c.493C>T, c.1032_1035dup, c.1072_1074delinsAA, c.1271del, c.1269C>A, c.1316C>G, c.1346del, c.1351C>T, c.1354del, c.1378dup, c.1402G>T, c.1419dup, c.1429dup, c.1444del, c.1465G>T, c.1479_1480del, c.1479_1480insTGCT, c.1484del, c.1496dup, c.1579C>T, c.1582del, c.1585G>T, c.1667_1668del, c.1669G>T, c.1714del, c.1802dup, c.1801C>T, c.1821del, c.1864dup, c.1961dup, c.1961_1962insA, c.1977del, c.1986C>A, c.2002del, c.2160dup, c.2617_2618del, c.2625dup
ATP1A2	NM_000702.4	c.571G>A, c.604C>T, c.659C>T, c.788C>T, c.857T>C, c.879C>G, c.901G>A, c.902G>A, c.1022G>T, c.1033A>G, c.1091C>T, c.1097

ATP1A3	NM_152296.5	c.2840G>A, c.2839G>C, c.2839G>A, c.2768A>C, c.2767G>T, c.2767G>C, c.2759A>G, c.2570_2572del, c.2552A>C, c.2528C>A, c.2452G>A, c.2417T>G, c.2415C>G, c.2415C>A, c.2408G>A, c.2407G>G, c.2401G>T, c.2401G>C, c.2338T>C, c.2318A>G, c.2312C>T, c.2273T>G, c.2270T>C, c.2264G>C, c.2263G>A, c.2227_2229del, c.2225A>T, c.2224G>T, c.2149_2151del, c.2116G>C, c.2051C>T, c.2051C>A, c.1790G>A, c.1109C>T, c.1165G>A, c.1108A>G, c.1088T>C, c.1081T>C, c.1079C>G, c.1076C>A, c.1073G>A, c.1072G>T, c.1072G>C, c.1072G>A, c.1036T>C, c.998G>A, c.971A>G, c.958G>A, c.954C>G, c.947G>T, c.946G>A, c.875T>G, c.820A>T, c.460A>G, c.385G>A, c.265G>T, c.265G>A, c.2839G>T, c.2771T>C, c.2677G>G, c.2677A>A, c.967C>T, c.410C>T, c.2438C>T, c.2324C>T, c.2144T>C, c.2116G>A, c.1825G>T, c.968C>T, c.410_412del, c.3042A>C, c.2689-1G>T, c.2542-1G>A, c.2512_2516delinsTC, c.2095-1G>A, c.2094+2_2094+3del, c.1807-2A>T, c.1630+2T>C, c.1630+1G>C, c.1302+1G>A, c.724+1G>T, c.358-1G>A, c.2763G>A, c.2652_2653insC, c.2631_2632insG, c.1959C>A, c.1930C>T, c.1249A>T, c.1299del, c.1115del, c.562C>T, c.235del, c.2851G>A, c.2767G>A, c.2755_2757del, c.2677G>C, c.2600G>A, c.2479A>T, c.2431T>C, c.2407G>C, c.821T>A, c.410C>A, c.2552A>G, c.2443G>A, c.2401G>A, c.2315G>A, c.2266C>T, c.2263G>T, c.977T>G, c.973G>C, c.2542+1G>C, c.2666C>G, c.2267G>A
BCL11A	NM_022893.4	c.143G>T, c.1831G>T, c.1633del, c.1486G>T, c.1345del, c.1118_1119insC, c.1078_1079insC, c.952A>T, c.794del, c.529C>T, c.295del, c.263C>A, c.193G>T, c.154C>T, c.148C>T, c.370C>T, c.314_315insT, c.310del, c.184del, c.147del
BICD2	NM_001003800.2	c.2321A>G, c.2081G>A, c.1604C>T, c.2320G>A, c.2108C>T, c.2080C>T, c.1636_1638del, c.320C>T
BRAF	NM_004333.6	c.1741A>G, c.1799T>G, c.1796C>T, c.1796C>G, c.1787G>T, c.1785T>G, c.1781A>T, c.1455G>C, c.1454T>C, c.1406G>A, c.1391G>A, c.793G>C, c.770A>G, c.741T>G, c.740T>C, c.739T>G, c.739T>C, c.736G>C, c.735A>T, c.735A>C, c.730A>C, c.722C>A, c.1455G>C, c.1914T>G, c.1914T>A, c.1803A>T, c.1802A>T, c.1802A>A, c.1802A>C, c.1801A>A, c.1801A>C, c.1799_1800delinsAA, c.1799T>C, c.1799T>A, c.1798_1799delinsAG, c.1798G>T, c.1798G>C, c.1798G>A, c.1796_1797insTAC, c.1790T>G, c.1790T>A, c.1789_1790delinsTC, c.1789C>G, c.1787G>A, c.1786G>C, c.1786G>A, c.1785T>A, c.1784T>C, c.1783T>C, c.1782T>G, c.1782T>A, c.1781A>C, c.1780G>C, c.1780G>A, c.1779_1780delinsGA, c.1600G>C, c.1593G>T, c.1593G>C, c.1591T>C, c.1591T>A, c.1574T>G, c.1574T>C, c.1574T>C, c.1502A>T, c.1502A>G, c.1502A>C, c.1501G>C, c.1501G>A, c.1497A>T, c.1497A>C, c.1495A>G, c.1460T>G, c.1454T>G, c.1411G>T, c.1408A>C, c.1406G>T, c.1406G>C, c.1405_1406delinsTT, c.1405_1406delinsTC, c.1405G>C, c.1405G>A, c.1403T>T, c.1402T>C, c.1399T>G, c.1396G>C, c.1396G>A, c.1391G>T, c.1391G>C, c.1390G>C, c.1390G>A, c.823G>A, c.785A>G, c.785A>C, c.741T>A, c.722C>T, c.722C>G, c.721A>C, c.1786G>T, c.1781A>G, c.1741A>C, c.1415A>G, c.755G>C, c.784C>A, c.769C>A
CACNA1A	NM_001127222.2	c.5529-1212_5529-1211del, c.5529-1214del, c.5529-1231C>T, c.5529-1241_5529-1240del, c.5529-1268C>A, c.5425A>C, c.5426T>C, c.5419G>T, c.5417T>C, c.5392T>C, c.5263G>A, c.5131C>A, c.5122A>C, c.5120T>C, c.5072T>A, c.5032C>A, c.5015G>C, c.4979G>A, c.4927G>T, c.4549G>A, c.4520C>A, c.4519G>T, c.4519G>A, c.4514T>C, c.4500_4502del, c.4403C>T, c.4363G>T, c.4363G>C, c.4363G>A, c.4205T>G, c.4175T>C, c.4174G>C, c.4174G>T, c.418A>G, c.4096T>A, c.4067_4069del, c.4067T>G, c.4052G>A, c.4043G>C, c.4042C>T, c.4034G>T, c.3787G>A, c.2142C>A, c.2137G>A, c.2098G>A, c.1839C>G, c.1088T>C, c.1036_1038del, c.877G>G, c.860G>A, c.841T>C, c.757C>T, c.688G>C, c.653C>G, c.652T>C, c.409G>A, c.301G>C, c.185A>G, c.184T>C, c.184T>A, c.5422G>A, c.5393C>T, c.5260G>A, c.5123T>C, c.4997G>C, c.4996C>T, c.4174G>A, c.4072C>T, c.4052G>T, c.4043G>A, c.4034G>A, c.4031T>C, c.2134G>A, c.1999G>A, c.1994C>T, c.1745G>A, c.1594G>A, c.1060C>T, c.904A>T, c.815G>A, c.653C>T, c.439G>A, c.5419G>A, c.5248C>T, c.5014C>T, c.4997G>A, c.4988G>A, c.4927G>A, c.4897G>A, c.4102T>C, c.4055C>T, c.4028C>A, c.4027T>C, c.3946G>A, c.3692+1G>A, c.1883C>T, c.1067T>C, c.905A>G, c.889G>A, c.835C>T, c.688G>A, c.631+5G>A, c.6684T>G, c.6489_6490insT, c.6340-1G>C, c.6189+1G>A, c.6097T>C, c.6051-1G>A, c.6050+4_6050+7del, c.5941-2A>G, c

CHD7	NM_017780.4	<p>c.2095A>G, c.2501C>T, c.2915A>G, c.3059T>C, c.3082A>G, c.3089A>G, c.3091T>G, c.3093G>C, c.3301T>C, c.3302G>A, c.3547A>C, c.3641A>C, c.3641A>G, c.3642G>T, c.3770T>G, c.3881T>C, c.3905T>C, c.4669A>G, c.5050G>A, c.5436C>A, c.5944G>T, c.6287A>G, c.6322G>A, c.6955C>A, c.6955C>T, c.151C>T, c.191,194del, c.232C>T, c.282del, c.364C>T, c.378C>A, c.469C>T, c.478del, c.487C>T, c.496C>T, c.511C>T, c.519del, c.538C>T, c.550C>T, c.559C>T, c.604C>T, c.619C>T, c.635del, c.664C>T, c.889C>T, c.718del, c.807del, c.925C>T, c.934C>T, c.1123C>T, c.1159C>T, c.1170T>G, c.1312C>T, c.1339C>T, c.1366C>T, c.1342_1343del, c.1465C>T, c.1480C>T, c.1488dup, c.1714C>T, c.7879C>T, c.7891C>T, c.7921_7922del, c.7940_7941dup, c.7957C>T, c.3398C>T, c.6193C>G, c.6193C>G, c.6194G>A, c.6956G>A, c.1735C>T, c.1808,1811del, c.1848del, c.1925del, c.1953dup, c.1951_1952delinsT, c.1989dup, c.2052del, c.2086A>T, c.2196dup, c.2413dup, c.2440C>T, c.2520G>A, c.2572C>T, c.2587C>T, c.2707_2710del, c.2740G>T, c.2815G>T, c.2839C>T, c.2846del, c.2858G>A, c.2881del, c.2905_2906del, c.2923_2926del, c.2949G>A, c.2959C>T, c.2999C>T, c.3106C>T, c.3205C>T, c.3209del, c.3269_3272del, c.3377dup, c.3412C>T, c.3422_3423del, c.3490C>T, c.3514_3515del, c.3526C>T, c.3572_3573del, c.3655C>T, c.3768C>G, c.3807del, c.3811G>T, c.3859C>T, c.3937del, c.3964del, c.4015C>T, c.4036C>T, c.4120_4121del, c.4203_4204del, c.4295_4296del, c.4318C>T, c.4375G>T, c.4379_4380del, c.4393C>T, c.4424del, c.4480C>T, c.4507G>T, c.4593G>A, c.4634del, c.4667dup, c.4783C>T, c.4795C>T, c.4835del, c.4961del, c.5023C>T, c.5029C>T, c.5101C>T, c.5167dup, c.5181C>G, c.5199dup, c.5355G>A, c.5409T>G, c.5418C>G, c.5428C>T, c.5458C>T, c.5547_5550del, c.5677G>T, c.5693T>G, c.5706C>G, c.5752dup, c.5782C>T, c.5833C>T, c.5897G>A, c.5898G>A, c.5912del, c.5932del, c.5960del, c.5968C>T, c.5971C>T, c.6018dup, c.6018del, c.6070C>T, c.6079C>T, c.6148C>T, c.6157C>T, c.6165_6166del, c.6175G>T, c.6199C>T, c.6217C>T, c.6243C>A, c.6272G>A, c.6292C>T, c.6613C>T, c.6746del, c.6757G>T, c.6850C>T, c.6892C>T, c.6994dup, c.6995G>A, c.7132G>T, c.7160C>G, c.7184_7185del, c.7222G>T, c.7252C>T, c.7282C>T, c.7320del, c.7344_7345del, c.7441C>T, c.7456C>T, c.7524del, c.7540_7541dup, c.7593dup, c.7655dup, c.7701_7702del, c.7802dup, c.7803C>A, c.7803C>G, c.7824T>A, c.8023G>T, c.4353+1G>A, c.4353+1G>T, c.5211-1G>C, c.5300+1G>A, c.6104-2A>T, c.6775+1G>A, c.6775+1G>T, c.7164+1G>A, c.8062dup, c.8077-2A>G, c.8962dup, c.2096+1del, c.2097-2A>G, c.2097-1G>A, c.2097-1G>C, c.2238+1G>A, c.2442+5G>C, c.2613+1del, c.2613+1G>A, c.2613+1G>T, c.2836-2A>T, c.2836-1G>A, c.2957+2T>C, c.2957+5G>A, c.3201+1G>A, c.3201+1G>T, c.3202-1G>A, c.3378+5G>T, c.3522+1del, c.3523-2A>C, c.3779-2A>G, c.3990-2A>G, c.4185+1G>A, c.4353+3A>G, c.4354-6A>G, c.4645-1G>C, c.4850+1G>A, c.5050+1G>A, c.5050+1G>C, c.5051-1G>A, c.5210+1G>A, c.5210+2T>C, c.5210+3A>G, c.5405-18C>A, c.5405-17G>A, c.5405-13G>A, c.5405-7G>A, c.5405-2A>G, c.5534+1G>A, c.5607+1G>A, c.5665+1dup, c.5666-2A>C, c.5894+1G>T, c.5895-2A>T, c.5895-1G>A, c.5895-1G>C, c.6103+2T>C, c.6936+2T>C, c.6937-2A>G, c.7165-4A>G, c.1797del, c.1803_1806del, c.1808dup, c.1808del, c.1871del, c.1931del, c.1936dup, c.1938del, c.1952_1955del, c.1977del, c.2021del, c.2090del, c.2114C>G, c.2129del, c.2171del, c.2178_2179insCTAA, c.2189dup, c.2195dup, c.2195del, c.2215G>T, c.2229_2230insCC, c.2257C>T, c.2289_2290insT, c.2295del, c.2321dup, c.2349del, c.2352dup, c.2377G>T, c.2383_2384del, c.2389dup, c.2413del, c.2495del, c.2503dup, c.2544del, c.2544_2546delinsTG, c.2568del, c.2609dup, c.2642dup, c.2643T>G, c.2684del, c.2700del, c.2710dup, c.2723G>A, c.2729C>G, c.2767dup, c.2805_2806insTT, c.2848del, c.2867del, c.2867C>A, c.2872_2873del, c.2930del, c.2933G>A, c.2942del, c.2948G>A, c.3039del, c.3065_3066dup, c.3071dup, c.3130del, c.3166del, c.3221_3222insA, c.3226_3227del, c.3285del, c.3309_3310del, c.3357_3360del, c.3364_3365del, c.3367_3368dup, c.3379G>T, c.3383del, c.3431del, c.3470del, c.3478del, c.3482_3483del, c.3616del, c.3674dup, c.3678del, c.3811_3814del, c.3819_3820del, c.3840del, c.3839_3840del, c.3905_3906dup, c.3999del, c.3999T>G, c.4112T>G, c.4189C>T, c.4336G>T, c.4360C>T, c.4407T>G, c.4494dup, c.4515dup, c.4542del, c.4609A>T, c.4627dup, c.4652del, c.4662del, c.4738G>T, c.4747del, c.4793C>G, c.4837_4838del, c.4888del, c.4906G>T, c.4915del, c.4933del, c.4940_4944delinsA, c.4944_4945del, c.4985del, c.4994G>A, c.4995G>A, c.5044del, c.5101del, c.5110C>T, c.5114dup, c.5167del, c.5202del, c.5235_5236dup, c.5238C>G, c.5242del, c.5241C>A, c.5251del, c.5315G>A, c.5330del, c.5345del, c.5357G>A, c.5480del, c.5504_5508delinsT, c.5551G>T, c.5638dup, c.5680_5681dup, c.5879_5880del, c.5909_5910insTC, c.5914dup, c.5955del, c.6045del, c.6045_6046del, c.6087del, c.6102_6103dup, c.6105del, c.6143_6144del, c.6163_6164del, c.6186dup, c.6236del, c.6273G>T, c.6292del, c.6401del, c.6426del, c.6446del, c.6454C>T, c.6473del, c.6473C>A, c.6514G>T, c.6526del, c.6529G>T, c.6531dup, c.6561T>A, c.6574G>T, c.6627del, c.6629del, c.6641_6642del, c.6730_6733dup, c.6734del, c.6737dup, c.6754del, c.6756del, c.6781del, c.6817_6818del, c.6825dup, c.6841_6842insTA, c.6854dup, c.6888_6889del, c.6923C>A, c.6989del, c.7078A>T, c.7123del, c.7145dup, c.7246A>T, c.7262del, c.7276del, c.7281dup, c.7282dup, c.7286_7287del, c.7285C>T, c.7297del, c.7312C>T, c.7356_7357dup, c.7384_7387del, c.7426dup, c.7585del, c.7629del, c.7647dup, c.7648G>T, c.7663del, c.7681G>T, c.7684C>T, c.7710del, c.7764del, c.7776del, c.7781G>A, c.7800_7801dup, c.7814_7815del, c.7820del, c.7824T>G, c.7840del, c.2656C>T, c.3942G>T, c.4034G>A</p>
CHD8	NM_001170629.2	<p>c.7096C>T, c.7094G>A, c.6876_6877insG, c.6730C>T, c.6527G>A, c.6344_6345del, c.6130C>T, c.6002del, c.5744del, c.5736del, c.5646_5647del, c.5617del, c.5607_5608insC, c.5060>del, c.5547del, c.5365del, c.5326C>T, c.5266_5267insT, c.5240_5243del, c.5061del, c.5053del, c.4875G>A, c.4871G>A, c.4785_4788del, c.4744C>T, c.4611del, c.4468_4469insA, c.4429C>T, c.4384C>T, c.4210C>T, c.4115del, c.4081G>T, c.4027_4028del, c.4001del, c.3832_3833insG, c.3733C>T, c.3686C>A, c.3638del, c.3623del, c.3524_3525insC, c.3524T>G, c.3522C>A, c.3331_3332del, c.3002C>G, c.2992C>T, c.2866_2868delinsAGTA, c.2845G>T, c.2841_2845delinsATC, c.2811del, c.2795C>G, c.2726C>G, c.2626C>T, c.2582_2583delinsT, c.2565del, c.2532del, c.2245del, c.2199_2200del, c.1752_1753insA, c.1727C>A, c.1720del, c.1566del, c.1540G>T, c.1444C>T, c.13143_13144del, c.1138C>T, c.1100_1101insC, c.1093C>T, c.961del, c.3725G>A, c.6947del, c.6649C>T, c.6518C>A, c.6355_6356del, c.6307_6310del, c.6103C>T, c.5500C>T, c.5389C>T, c.5179G>T, c.4984C>T, c.5017C>T, c.4574_4575insT, c.4800del, c.4414C>T, c.4240C>T, c.4131G>A, c.4009C>T, c.3724C>T, c.3562C>T, c.3712C>T, c.3511C>T, c.3338del, c.3322_3323insA, c.2937_2939delinsTC, c.2854C>T, c.2345del, c.2317C>T, c.2240_2241insA, c.2093T>G, c.2065G>T, c.1744C>T, c.1690C>T, c.1582_1583del, c.5127+1G>A, c.4818-1G>C, c.4818-1G>A, c.4727+1del, c.4378C>T, c.3519-2A>G, c.3308-1G>A, c.2730+1G>C, c.2487-1G>C, c.2487-2A>G, c.2486+1G>A, c.2025-1G>C, c.727C>T, c.634C>T, c.142C>T, c.463_466del, c.347del, c.336_337insA</p>
COL11A1	NM_001854.4	<p>c.4547G>T, c.4538G>A, c.4537G>A, c.3512G>A, c.2701G>C, c.1874G>T, c.494A>T, c.4554+1G>C, c.4519-2del, c.4519-2A>G, c.4396G>T, c.4141-2del, c.4032+1G>A, c.3816+2_3816+3insT, c.3814_3816+1del, c.3276+1_3276+2insGACA, c.3276+1G>C, c.2755-2A>G, c.2754+5G>A, c.2662C>T, c.1900-1G>A, c.1630-2del, c.1245+1G>A, c.1191del, c.1168G>T, c.652-2A>C</p>
COL1A1	NM_000088.4	<p>c.4189G>T, c.4183G>T, c.4171C>T, c.4110C>A, c.4090C>T, c.4063del, c.4035del, c.4014del, c.4003C>T, c.3994del, c.3939C>A, c.3936G>A, c.3903C>A, c.3880_3881insG, c.3877_3878insA, c.3821_3822insTA, c.3817G>T, c.3815del, c.3788del, c.3769_3770insCC, c.3769del, c.3721del, c.3713del, c.3711_3712delinsG, c.3649del, c.3641del, c.3622A>T, c.3593del, c.3566_3567insC, c.3566del, c.3509del, c.3500del, c.3494_3495insC, c.3452del, c.3432del, c.3425_3426insG, c.3421del, c.3399del, c.3389del, c.3377del, c.3315_3316del, c.3301G>T, c.3284_3285insGAC, c.3270del, c.3268C>T, c.3261del, c.3250del, c.3245del, c.3225del, c.3191del, c.3189del, c.3156del, c.3131_3133delinsT, c.3114_3115insG, c.3061G>T, c.3051del, c.3049del, c.3020del, c.3014T>A, c.3009del, c.3002del, c.2990_2991insC, c.2969del, c.2934del, c.2928del, c.2915del, c.2910_2911del, c.2907_2908delinsAT, c.2901_2902del, c.2902G>T, c.2900del, c.2888_2889del, c.2831del, c.2816del, c.2810del, c.2793del, c.2786_2787insG, c.2783del, c.2756del, c.2717_2718insG, c.2705del, c.2685del, c.2673_2674insT, c.2586del, c.2585_2586del, c.2584A>T, c.2544del, c.2530_2531insG, c.2525_2526insG, c.2525del, c.2490del, c.2483_2485delinsG, c.2482G>T, c.2471del, c.2450_2451insG, c.2445_2446delinsA, c.2429del, c.2424_2425insCG, c.2418del, c.2397del, c.2333del, c.2289del, c.2253del, c.2217del, c.2182G>T, c.2159del, c.2154_2155insTCCC, c.2139del, c.2102del, c.2089del, c.2085del, c.2062C>T, c.2049_2050del, c.2045del, c.2039del, c.2026A>T, c.2020G>T, c.1978G>T, c.1921G>T, c.1884del, c.1871del, c.1865_1866insC, c.1862_1865del, c.1860del, c.1847del, c.1843G>T, c.1840G>T, c.1821del, c.1811del, c.1797del, c.1783del, c.1772_1773del, c.1769del, c.1745del, c.1720del, c.1695del, c.1657del, c.1654A>T, c.1652del, c.1646del, c.1618del, c.1608_1609del, c.1601del, c.1562del, c.1561G>T, c.1557del, c.1547del, c.1496_1497del, c.1492del, c.1465G>T, c.1427_1428insGG, c.1394del, c.1393G>T, c.1369C>T, c.1355del, c.1335_1336del, c.1305del, c.1301del, c.1281del, c.1269_1270insTC, c.1261del, c.1261C>T, c.1247del, c.1213del, c.1211_1212insG, c.1179_1180insACAG, c.1177C>T, c.1044del, c.1043_1044insGC, c.1037del, c.1024_1025insTC, c.1018del, c.984del, c.977_978insG, c.962_963insC, c.938del, c.916_917del, c.910del, c.896del, c.880G>T, c.878del, c.801_802del, c.799_802del, c.802A>T, c.770del, c.769G>T, c.760G>T, c.731_732insC, c.727G>T, c.722del, c.678del, c.677_678insC, c.677del, c.623del, c.597_598insA, c.582del, c.577_578del, c.572del, c.563_564delinsA, c.549del, c.545del, c.514del, c.510del, c.501T>A, c.458del, c.452_453insG, c.409C>T, c.401_402insT, c.394_395del, c.380del, c.358del, c.351_352insT, c.322_323insACCA, c.316_317insG, c.310_313del, c.313C>T, c.298G>T, c.291del, c.288del, c.276T>A, c.273_274insC, c.256del, c.252_253insCGCC, c.229G>T, c.212_213insA, c.146_147del, c.141C>G, c.138del, c.133_134delinsG, c.108del, c.1004G>T, c.1004G>A, c.994G>A, c.1003G>A, c.1012G>A, c.1013G>T, c.976G>C, c.977G>A, c.959G>A, c.931G>C, c.934C>T, 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c.1420-1G>A, c.1420-2A>G, c.1420-2A>G, c.1265+5G>C, c.1222-2A>G, c.1221+3A>C, c.1221+1G>A, c.1123-1G>C, c.1123-1G>A, c.1122+2T>A, c.1122+1G>C, c.1068+1G>A, c.1024-2A>G, c.1024-2A>G, c.925-1G>A, c.924-1G>A, c.870+1G>A, c.817-2A>C, c.762+1G>A, c.709-1G>A, c.655-1G>C, c.655-2A>C, c.654+1G>A, c.610-2A>T, c.610-2A>G, c.531+1G>A, c.430-1G>A, c.429+2T>G, c.376-1G>C>T, c.376-1G>A, c.310-1G>A, c.309+1G>A, c.258C>A, c.233_234insC, c.1972del, c.171_172del, c.141G>A, c.123T>A, c.115C>T, c.86-1G>C, c.86-1G>A, c.85+1G>T, c.85+1G>C, c.85+1G>A, c.313C>T, c.267C>A, c.261_262insC, c.250del, c.225C>A, c.163del, c.157del, c.102T>A, c.4172A>G, c.3427G>A, c.3346G>T, c.2582G>A, c.1681G>A, c.619G>C, c.4413_4416del, c.3599G>A, c.3158G>A, c.3013G>A, c.2950G>A, c.2950G>A, c.2941G>A, c.2671G>A, c.2419G>A, c.1637G>T, c.1340G>A, c.1365+1G>A, c.3563G>C, c.3526G>A, c.3508G>C, c.3463G>C, c.3364G>A, c.2725G>A, c.2671G>A, c.2599G>A, c.2581G>C, c.2546G>C, c.2545G>A, c.2545G>T, c.2401G>A, c.1960G>A, c.1781G>A, c.1780G>A, c.1510G>T, c.1501G>A, c.3490G>A, c.3266_3268del, c.1916G>A, c.1457G>A, c.1268G>A, c.1420-2A>C, c.817-1G>C, c.3382G>C, c.1266+1del, c.709-1G>C
COL4A1	NM_001845.6	c.4843G>A, c.4738G>C, c.4738G>A, c.4454A>G, c.3977G>T, c.3976G>A, c.3715G>A, c.3706G>A, c.3655G>C, c.3556G>A, c.3389G>A, c.3307G>A, c.3235G>A, c.3218G>A, c.3208G>A, c.3139G>C, c.3112G>A, c.3104G>T, c.3041G>A, c.2969G>T, c.4755+1G>T, c.4150+1G>A, c.3742+1G>T, c.3592G>A, c.3556+1G>T, c.2902C>T, c.2861G>C, c.2842G>C, c.2842G>A, c.2788G>A, c.2771G>A, c.2717-1G>A, c.2662G>A, c.2644G>T, c.2636G>C, c.2636G>A, c.2494G>A, c.2450G>A, c.2413G>A, c.2317G>A, c.2291G>A, c.2290G>A, c.2281G>A, c.2264G>A, c.2263G>A, c.245G>A, c.2286G>T, c.2194-1G>A, c.2185G>C, c.2159G>A, c.2132G>A, c.2085del, c.2086G>A, c.2008G>A, c.1991-2A>G, c.1937del, c.1870G>T, c.1801G>A, c.1793G>T, c.1685G>A, c.1528G>A, c.1493G>T, c.1492G>C, c.1052_1053insC, c.625G>A, c.388-1G>C, c.2627-1G>A, c.2096G>A, c.634G>A, c.607G>A, c.4546C>T, c.4357C>T, c.4020_4021insA, c.3655G>T, c.3480del, c.3187C>T, c.2930del, c.2655del, c.2411_2412insC, c.2411del, c.2337C>T, c.2154_2155insTT, c.1943del, c.1627A>T, c.1611_1612insTG, c.1536del, c.1509del, c.1462del, c.1353_1354insA, c.921_922insC, c.897del, c.665T>G, c.359_360insC, c.1639del
		c.1506del, c.1603+1G>A, c.186+5G>C, c.186+2T>C, c.186G>C, c.1717_1718insC, c.1675G>T, c.1546G>T, c.1510C>T, c.1485_1486insC, c.1485del, c.1222A>T, c.908del, c.794del, c.723del, c.557del, c.529_532del, c.371del, c.368del, c.307C>T, c.104del
COL9A3	NM_001853.4	c.148-1G>A, c.148-2A>T, c.183+5G>A, c.395del, c.1107+1G>C, c.9del, c.102dup, c.181_182dup, c.433G>T, c.469G>T, c.528dup, c.558del, c.638del, c.651dup, c.985G>T, c.1384del, c.1685dup
COMP	NM_000095.3	c.2156G>A, c.2155G>T, c.2153G>C, c.1754C>G, c.1552G>C, c.1552G>A, c.1533C>G, c.1527T>A, c.1526A>T, c.1526A>G, c.1520A>G, c.1511G>A, c.1475A>C, c.1467C>A, c.1445A>T, c.1444G>A, c.1423G>A, c.1417_1419del, c.1418A>G, c.1417G>C, c.1417G>A, c.1414G>T, c.1414G>C, c.1394G>T, c.1393G>A, c.1372G>T, c.1359C>G, c.1358A>G, c.1336G>C, c.1319G>A, c.1318G>A, c.1317C>A, c.1316A>G, c.1315G>A, c.1309G>C, c.1280G>C, c.1280G>A, c.1279G>C, c.1279G>A, c.1265A>C, c.1229G>A, c.1210G>A, c.1201G>C, c.1201G>A, c.1189G>C, c.1153G>T, c.1127A>T, c.1126G>C, c.1126G>A, c.1024G>T, c.982T>C, c.925G>A, c.895G>A, c.875G>T, c.875G>A, c.868G>T, c.868G>A, c.811G>C, c.806A>G, c.806A>C, c.197T>A, c.2155G>A, c.2152C>T, c.1754C>T, c.1675G>A, c.1569C>A, c.1502G>A, c.1419_1420insGAC, c.1371_1373del, c.1318G>C, c.1317C>G, c.1153G>A, c.1120_1122del, c.1112G>A, c.976G>A, c.874T>C, c.1309G>T, c.1309G>A, c.811G>T, c.905A>T
		c.5028G>A, c.5027G>A, c.5014A>T, c.4792del, c.4689del, c.4663G>T, c.4621del, c.4606_4607del, c.4567_4568del, c.4482del, c.4404_4405insA, c.4269del, c.4268del, c.4232del, c.4230_4231insT, c.4206del, c.4045C>T, c.3993del, c.3977del, c.3955C>T, c.3940A>T, c.3623_3624insC, c.3613G>T, c.3598del, c.3497_3498insGGCT, c.3461_3462insT, c.3436C>T, c.3428del, c.3418del, c.3375T>G, c.3341del, c.3337C>T, c.3310C>T, c.3068del, c.2871_2818delinsT, c.2794del, c.2791C>T, c.2755C>T, c.2685del, c.2606_2607del, c.2574_2575insT, c.2535C>A, c.2529_2530insCGTA, c.2436_2437insGCTG, c.2322del, c.2233del, c.2122_2123del, c.2085del, c.2071C>T, c.2031del, c.2026del, c.2005_2006delinsT, c.1977C>A, c.1917_1918insC, c.1911del, c.1855_1856insG, c.1821del, c.1733_1734insC, c.1694del, c.1669del, c.1663del, c.1618C>T, c.1590del, c.1562_1563del, c.1519_1520insC, c.1360C>T, c.1068del, c.1063C>T, c.953C>A, c.910del, c.886_887insC, c.851del, c.828_829insT, c.802G>T, c.598C>T, c.581del, c.567del, c.521del, c.508C>T, c.472del, c.349_350insGTG, c.316C>T, c.314_315del, c.299del, c.286C>T, c.282_283insC, c.249_251delinsTT, c.189del, c.5608G>C, c.5600G>A, c.5558A>C, c.5344A>G, c.5336T>C, c.5237G>T, c.5219A>G, c.5218C>A, c.5186G>C, c.5170G>A, c.5129G>A, c.5128T>C, c.4991G>T, c.4991G>A, c.4613C>T, c.4520T>C, c.4508A>G, c.4445A>G, c.4444A>T, c.4439G>A, c.4337G>T, c.4337G>A, c.4336G>C, c.4305T>G, c.4303G>T, c.4297T>C, c.4283G>C, c.4262G>T, c.4184C>A, c.4133G>C, c.56

DNM1	NM_004408.4	c.679dup, c.767del, c.1025del, c.1153C>T, c.1347C>A, c.1626del, c.2296C>T, c.2299dup, c.128G>A, c.431C>T, c.442C>A, c.529G>C, c.545C>A, c.618G>C, c.632A>T, c.854T>A, c.865A>T, c.1036G>A, c.1037G>T, c.1076G>A, c.1076G>C, c.1190G>A, c.1603A>G, c.127G>A, c.134G>A, c.139G>A, c.415G>A, c.443A>G, c.709C>T, c.1075G>A, c.766C>T, c.850C>T, c.112G>A, c.416G>A, c.457G>A, c.590-2A>G, c.1195A>T, c.1261C>T
DYNC1H1	NM_001376.5	c.926GG>A, c.1792C>T, c.1793G>C, c.1793G>T, c.1808A>T, c.1834G>A, c.2327C>T, c.3347T>C, c.4699C>T, c.4700G>T, c.4867C>T, c.6271C>T, c.6272G>A, c.6880G>A, c.6989G>A, c.6995G>A, c.7793G>T, c.10420C>T, c.10574G>A, c.3278T>C, c.4700G>A, c.4868G>A, c.5884C>T, c.5885G>A, c.6994C>T, c.10031G>A, c.10151G>A, c.10573C>T, c.751C>T, c.752G>A, c.791G>A, c.874C>T, c.1750A>C, c.4552G>A, c.9142G>A
DYRK1A	NM_001347721.2	c.143dup, c.151C>T, c.187C>T, c.197dup, c.210dup, c.250_251del, c.262del, c.267_268dup, c.285C>A, c.286A>T, c.293_294dup, c.317del, c.331C>T, c.341del, c.343G>T, c.167G>T, c.449dup, c.471del, c.474del, c.497dup, c.507dup, c.531_532dup, c.550_552delinsTTCTT, c.606dup, c.658_659del, c.701dup, c.763A>T, c.803del, c.814dup, c.840dup, c.840del, c.931_932del, c.931C>T, c.940C>T, c.980_981insCCCA, c.986dup, c.987T>G, c.1000_1001del, c.1003dup, c.1025del, c.1098del, c.1112del, c.1132C>T, c.1135dup, c.1173del, c.1191_1192insTT, c.1214_1217dup, c.1218C>G, c.1224dup, c.1239del, c.1237A>T, c.1259_1260dup, c.1271dup, c.1270G>T, c.1271_1272insTT, c.1275dup, c.1336del, c.1343_1346dup, c.1357dup, c.1378C>T, c.484G>A, c.593T>C, c.821T>G, c.833A>G, c.887T>G, c.895T>G, c.896T>C, c.905C>A, c.945T>A, c.947G>A, c.1009T>C, c.1010C>T, c.1015G>A, c.476G>A, c.833A>T, c.856C>T, c.905C>T, c.1373G>A, c.143_144del, c.201_204del, c.208dup, c.220dup, c.263_264del, c.284dup, c.285C>G, c.322C>T, c.334C>T, c.425dup, c.434del, c.450del, c.450C>G, c.542_545del, c.545_548del, c.574C>T, c.586C>T, c.594_597delinsGAA, c.630C>A, c.664C>T, c.675_676del, c.678_680delinsAC, c.687del, c.736C>T, c.748_749del, c.755del, c.760C>T, c.772C>T, c.817dup, c.822dup, c.848dup, c.909T>A, c.910C>T, c.918dup, c.930C>G, c.930C>A, c.977del, c.1006del, c.1008G>A, c.1069G>T, c.1074_1077del, c.1158dup, c.1190_1193del, c.1205dup, c.1213-1_1213insTAA, c.1221del, c.1243del, c.1282C>T, c.1289del, c.1306dup, c.1373dup, c.1372C>T, c.707T>G, c.301-2A>G, c.301-1G>T, c.489+1G>A, c.489+2T>A, c.489+2T>C, c.490-1G>A, c.637+2T>C, c.638-2A>G, c.638-1G>A, c.638-1G>T, c.924+4_924+7del, c.924+1G>A, c.924+1G>C, c.924+2T>A, c.925-1G>C, c.1071+1G>A, c.1072-2A>T, c.1072-1G>A, c.1213-2A>G, c.1351_1354del, c.1464del, c.1519+1G>A, c.1626C>A, c.1951del, c.205C>T, c.1526C>G
EBP	NM_006579.3	c.182G>A, c.225dup, c.261C>G, c.304A>T, c.312T>A, c.329_332dup, c.387G>A, c.204G>T, c.238G>A, c.329G>A, c.439C>T, c.440G>T, c.149C>A, c.187C>T, c.203G>A, c.328C>T, c.386G>A, c.390del, c.404G>A, c.302-1G>A, c.338+1G>C, c.338+1G>T, c.523C>T, c.587G>A
EFNB1	NM_004429.5	c.111G>A, c.142A>T, c.149T>A, c.155_159delinsCAAG, c.219T>G, c.237C>G, c.403dup, c.457_458dup, c.523C>T, c.161C>T, c.451G>A, c.332C>T, c.452G>T, c.472A>G, c.473T>G, c.110G>A, c.196del, c.196C>T, c.253C>T, c.324dup, c.496C>T, c.128+1G>C, c.128+2T>A, c.129-1G>T, c.499+1G>A, c.614_615del, c.635_636del, c.640C>T
EFTUD2	NM_004247.4	c.2595_2596insC, c.2551del, c.2544del, c.2505_2506insAG, c.2352_2353insT, c.2166C>A, c.2026_2027insTTTG, c.1947_1948insA, c.1946C>G, c.1923_1924insGATG, c.1901_1902insAA, c.1888del, c.1742del, c.1669C>T, c.1641_1642insC, c.1567del, c.1554del, c.1542C>A, c.1513C>T, c.1465_1466del, c.1402_1403insTT, c.1332del, c.1331del, c.1060C>T, c.828C>A, c.793del, c.742C>T, c.593_594insA, c.579del, c.423del, c.378del, c.342T>G, c.334_335insA, c.291_292insTT, c.285del, c.103G>T, c.1103G>T, c.1910T>G, c.857A>G, c.623A>G, c.422G>A, c.784C>T, c.2496C>G, c.2493C>A, c.2419del, c.2199G>A, c.2198G>A, c.1759_1760del, c.1732C>T, c.1705C>T, c.1297_1298del, c.1012G>T, c.764_765insT, c.2770C>T, c.2698_2701del, c.2562-2_2562del, c.2562-2_2562-del, c.2562-1G>A, c.2562-2del, c.2466+1G>A, c.2347+1G>T, c.2133-1G>T, c.2133-2A>G, c.2045+2T>G, c.1963-1G>T, c.1719+1G>A, c.1607+1G>T, c.1414-2A>G, c.1286-2del, c.1286-2A>G, c.1150-1G>T, c.1150-2A>G, c.1149+1G>C, c.1149+1G>A, c.1096C>T, c.1058+1G>A, c.870-1G>T, c.703-2A>G, c.702+2T>C, c.702G>T, c.702G>T, c.523C>T, c.426+1_426+2insG, c.351-2A>G, c.106-1G>C, c.427del, c.45del
EHMT1	NM_024757.5	c.162del, c.294_297del, c.302C>G, c.355del, c.391del, c.417dup, c.508del, c.555del, c.682del, c.719dup, c.733G>T, c.749_750delinsG, c.756dup, c.756del, c.784C>T, c.1042_1043dup, c.1051del, c.1058C>G, c.1061_1062del, c.1122dup, c.1180del, c.1262del, c.1292del, c.1311G>A, c.1349_1352del, c.1408C>T, c.1420G>T, c.1438dup, c.1543C>T, c.1597del, c.1602dup, c.380T>G, c.673C>T, c.870dup, c.871C>T, c.1434_1435del, c.1468C>T, c.1495del, c.1533_1536del, c.1588C>T, c.2018+1G>A, c.2712+1G>C, c.546dup, c.642+1G>C, c.642+1G>T, c.643-2A>G, c.643-1G>A, c.736C>T, c.824-2del, c.1249-2A>G, c.1501+1del, c.1502-2A>G, c.1647+2T>C, c.1858C>T, c.2018+1G>C, c.2709dup, c.2193-1G>C, c.2382+1G>A, c.2505+1G>A, c.2506-2A>G, c.2566C>T, c.2608-1G>A, c.2608-1G>C, c.2622G>A, c.2625del, c.2704C>T, c.2712+1G>A, c.2713-1G>A, c.2853_2864del, c.2877_2880del, c.2950C>T, c.3000del, c.3072_3073del, c.3126_3127del, c.3127C>T, c.3258+1del, c.3259-1G>A, c.3413G>A, c.3462-1G>A, c.3502C>T, c.362C>G, c.40dup, c.508C>T, c.1800dup, c.2161del, c.2188dup, c.2198del, c.2222del, c.2224del, c.2408C>G, c.2431_2435delinsTGG, c.2498del, c.2610_2613dup, c.2649C>A, c.2799del, c.2825dup, c.2929C>T, c.2958G>A, c.2976del, c.2995del, c.3046C>T, c.3252C>G, c.3271dup, c.3310G>T, c.3321_3324del, c.3342delinsAAG, c.3346C>T, c.3393C>A, c.3443del, c.3455_3458del, c.3482C>G, c.3488C>G, c.3649C>T
EP300	NM_001429.4	c.108_111del, c.272dup, c.272del, c.319C>T, c.478C>T, c.584C>A, c.650dup, c.832del, c.1066C>T, c.1164C>A, c.1423dup, c.1508dup, c.1517del, c.1709_1710del, c.1738C>T, c.2164dup, c.2225del, c.2305C>T, c.2333dup, c.2540dup, c.2734C>T, c.2774dup, c.2855C>G, c.2893C>T, c.2983G>T, c.3014_3015del, c.3070_3071insT, c.3139_3140del, c.3412dup, c.3451C>T, c.3472C>T, c.3485dup, c.3573T>A, c.3672_3673dup, c.3684del, c.3685G>T, c.3707dup, c.3733del, c.3826_3827dup, c.3858_3859dup, c.3889A>T, c.3905dup, c.4065C>A, c.4065C>G, c.4073_4074dup, c.4103del, c.4190_4191dup, c.4213del, c.4216_4219dup, c.4307G>A, c.4444_4445dup, c.4484T>A, c.4575dup, c.4595del, c.4692dup, c.4785del, c.4836dup, c.4195G>T, c.4232C>T, c.4511T>G, c.4783T>A, c.5492_5494del, c.3857A>G, c.4763T>C, c.4783T>G, c.1104_107del, c.256C>T, c.494_497del, c.598C>T, c.638del, c.1092C>A, c.1327_1328del, c.1447C>T, c.1453del, c.1876C>T, c.1942C>T, c.1957C>T, c.2161dup, c.3067del, c.3135_3138del, c.3163C>T, c.3166C>T, c.3367del, c.3684_3687del, c.3438_3439del, c.3841C>T, c.3934C>T, c.4066C>T, c.4363C>T, c.4390C>T, c.4585C>T, c.4933C>T, c.70_71del, c.1878+1G>A, c.2132-1G>A, c.2998-3_2998-2del, c.3671+5G>C, c.3728+5G>C, c.3729-1G>T, c.3875-2A>C, c.4026-9A>G, c.4026-2A>G, c.4287-1G>T, c.4954_4957dup, c.5720del, c.5873del, c.7100del, c.7244A>G, c.2064dup, c.2064del
ERF	NM_006494.4	c.256C>T, c.1270C>T, c.1202C>T, c.1201_1202del, c.891_892del, c.787C>T, c.697C>T, c.619C>T, c.547C>T, c.286A>T, c.23-2A>G, c.22+2T>G, c.223C>T, c.144G>A, c.266A>G
FBN1	NM_000138.5	c.163G>T, c.127A>T, c.126del, c.114del, c.1849T>G, c.1849T>C, c.1075T>C, c.8607del, c.8596_8597insA, c.8521G>T, c.8516_8517insA, c.8512A>T, c.8504_8505insC, c.8488C>T, c.8416_8417insA, c.8326C>T, c.8275G>T, c.8268G>A, c.8267G>A, c.8226+5G>A, c.8206_8207insA, c.8155_8156del, c.8149G>T, c.8148C>T, c.8147_8148insA, c.8080C>T, c.8059_8060del, c.8057G>T, c.8057G>A, c.8056T>C, c.8052-2A>G, c.8047C>T, c.8038C>T, c.8021G>C, c.8021G>A, c.8020T>C, c.8016T>G, c.8015G>C, c.8015G>A, c.8014T>G, c.8014T>C, c.8011_8012del, c.8012T>C, c.8010C>G, c.8003G>A, c.8002G>T, c.7999G>T, c.7988G>T, c.7988G>C, c.7988G>A, c.7987T>C, c.7977C>A, c.7976_7977delinsTT, c.7974_7975insC, c.7975T>G, c.7966C>T, c.7956T>A, c.7955G>A, c.7954T>C, c.7954T>G, c.7951G>T, c.7937G>A, c.7937C>A, c.7936T>A, c.7921C>T, c.7916A>G, c.7898G>C, c.7897T>G, c.7897T>C, c.7892G>T, c.7886A>G, c.7880G>A, c.7879G>C, c.7879G>A, c.7871A>G, c.7865G>C, c.7865G>A, c.7864T>G, c.7864T>C, c.7852G>T, c.7850G>A, c.7832G>A, c.7829A>T, 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c.4865_4866insATG, c.4831C>T, c.4825G>T, c.4821delinsCA, c.4815del, c.4812_4813delinsCT, c.4796del, c.4777del, c.4770_4771del, c.4767_4768insT, c.4759del, c.4745del, c.4733del, c.4731T>A, c.4721del, c.4704_4705insA, c.4700del, c.4690_4691insTGTT, c.4665_4668del, c.4660G>T, c.4657_4658del, c.4649del, c.4629del, c.4607del, c.4591del, c.4588del, c.4585_4586insA, c.4581_4582del, c.4579_4580del, c.4575del, c.4562del, c.4555del, c.4551del, c.4531_4534del, c.4532del, c.4517del, c.4491C>A, c.4468G>T, c.4429_4430insG, c.4425del, c.4410_4411del, c.4410_4411insT, c.4408del, c.4369_4370del, c.4349_4350insAGTG, c.4345_4346insCACT, c.4319G>T, c.4311del, c.4302del, c.4301_4302insAG, c.4301del, c.4287del, c.4288del, c.4281C>A, c.4265del, c.4243_4244insT, c.4226_4227del, c.4222_4223insT, c.4219G>T, c.4197del, c.4190del, c.4188del, c.4179_4182del, c.4180G>T, c.4163_4164del, c.4155del, c.4154del, c.4145_4146insA, c.4122C>A, c.4101T>A, c.4079del, c.4062G>A, c.4060del, c.4056del, c.4032_4033del, c.4029del, 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c.3187_3188insT, c.3166del, c.3165T>A, c.3149del, c.3126del, c.3112_3113insAGCC, c.3098del, c.3091G>T, c.3089del, c.3081del, c.3073_3074insA, c.3052G>T, c.3038del, c.3024T>A, c.2986_2987insT, c.2966_2967insG, c.2934_2935insC, c.2920_2921insC, c.2906del, c.2900_2901insTG, c.2876del, c.2857_2858insA, c.2837del, c.2830del, c.2816del, c.2814del, c.2806C>T, c.2800A>T, c.2793del, c.2789_2790insCTAG, c.2783del, c.2768_2769insA, c.2768del, c.2764A>T, c.2762del, c.2745del, c.2737G>T, c.2719C>T, c.2714del, c.2701del, c.2698_2699insGG, c.2682_2685del, c.2671C>T, c.2666_2667insT, c.2665del, c.2631del, c.2601_2602insT, c.2601_2602insCAAT, c.2569_2570del, c.2529del, c.2527del, c.2513del, c.2489_2492del, c.2474del, c.2467_2468insG, c.2410_2411insA, c.2384del, c.2381_2382insA, c.2379_2380insC, c.2364_2365insT, c.2344A>T, c.2342del, c.2340del, c.2296del, c.2292del, c.2289C>A, c.
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FGFR3	NM_000142.5	c.1052C>G, c.1123G>T, c.1950G>T, c.742C>T, c.746C>G, c.833A>G, c.835A>T, c.1111A>T, c.1620C>A, c.1948A>G, c.1949A>T, c.1118A>G, c.1612A>G, c.1619A>G, c.1663G>C, c.1663G>T, c.2419T>A, c.2419T>G, c.2419T>G, c.2420G>C, c.2420G>T, c.2421A>T, c.1948A>C, c.1949A>C, c.749C>G, c.1172C>A, c.1108G>T, c.970C>G, c.983A>T, c.1075+95C>G, c.1138G>A, c.1619A>C, c.1620C>G, c.1950G>C, c.1144G>A, c.1052C>T, c.1138G>C, c.1618A>G
FLNA	NM_001110556.2	c.4726G>A, c.4660G>A, c.3596C>T, c.3562G>A, c.3557C>T, c.760G>A, c.620C>T, c.629G>T, c.1910C>T, c.7333+1G>C, c.7333+1G>A, c.7156+2T>C, c.7059del, c.7023+1G>T, c.6635_6638del, c.6503-1G>A, c.6503-2A>C, c.6227-2A>G, c.5278C>T, c.4617_4618del, c.4599-1G>A, c.4598+1G>A, c.4143-1G>T, c.4142+1G>A, c.3806del, c.3153_3154insC, c.2828del, c.2827-2A>C, c.2566-2A>G, c.2565+1G>C, c.2565+1G>A, c.2527_2528insC, c.2405-1G>C, c.2405-2A>G, c.2190_2193del, c.2137-1G>A, c.2137-2A>G, c.1066-1G>A, c.987+1G>A, c.868+1G>A, c.622+1G>A, c.586C>T, c.310C>G, c.125A>G, c.7315C>A, c.622G>C, c.383C>T, c.245A>T, c.116C>G, c.7896G>A, c.7612_7613del, c.7255C>T, c.7153C>T, c.6915C>G, c.6898C>T, c.6772G>T, c.6724C>T, c.6601del, c.6001del, c.5159_5160insA, c.4543C>T, c.4447_4448insAT, c.4147del, c.2965C>T, c.2762del, c.1829-2A>G, c.1159C>T, c.1087C>T, c.720+2T>C, c.705G>A, c.691C>T, c.676C>T, c.544C>T, c.373+1G>A, c.67_68del, c.1923C>T, c.733G>A
FLNB	NM_001457.4	c.679G>A, c.502G>A, c.1082G>A, c.5072G>A, c.512T>G, c.517G>A, c.604A>G, c.4756G>A, c.518C>T, c.4807C>T, c.5071G>A, c.292+1G>T, c.541+1G>A, c.2745+2T>C, c.4222+2T>G, c.5375_5377del, c.482T>G, c.4640C>A, c.502G>T, c.2251G>C, c.605T>C
FOXG1	NM_005249.5	c.561C>A, c.565C>G, c.573G>A, c.620T>C, c.670G>A, c.685A>C, c.799G>A, c.701C>T, c.85del, c.136dup, c.136C>T, c.214C>T, c.217C>T, c.222_223dup, c.233_234insA, c.239dup, c.256dup, c.256del, c.256C>T, c.265_266dup, c.298del, c.301C>T, c.383dup, c.385del, c.385G>T, c.406G>T, c.430G>T, c.460dup, c.460G>T, c.500del, c.506dup, c.506del, c.505_506delinsT, c.511G>T, c.517G>T, c.538G>T, c.543G>T, c.545C>A, c.545C>T, c.552dup, c.552del, c.553A>T, c.554G>T, c.559A>G, c.559A>T, c.561C>G, c.563C>A, c.563C>G, c.565C>T, c.572T>G, c.577G>A, c.578C>A, c.581T>C, c.581T>G, c.584G>C, c.586C>T, c.590G>T, c.592_594del, c.604C>T, c.619A>T, c.622T>C, c.624C>A, c.624C>G, c.643T>C, c.645C>A, c.645C>G, c.651C>G, c.653A>G, c.667C>T, c.671G>A, c.676C>T, c.686_687delinsA, c.688C>T, c.689G>A, c.692A>G, c.694A>G, c.694A>T, c.695A>C, c.695A>G, c.700T>C, c.703C>T, c.706A>G, c.708C>A, c.713G>A, c.730C>T, c.731G>A, c.735del, c.738C>A, c.748G>A, c.755G>A, c.755G>T, c.757A>G, c.759C>A, c.761A>G, c.762C>G, c.763T>C, c.764G>A, c.765G>A, c.765G>T, c.800G>A, c.811G>A, c.812G>A, c.821G>A, c.841del, c.844dup, c.847A>T, c.855del, c.859A>T, c.885dup, c.920dup, c.921C>G, c.923G>A, c.924G>A, c.946del, c.958del, c.969del, c.974dup, c.974_975del, c.1007dup, c.1014dup, c.1020del, c.1023C>A, c.1032_1033del, c.1058dup, c.1062del, c.1067del, c.1082dup, c.1111G>T, c.1135del, c.1141del, c.1160_1161delinsGTC, c.1168dup, c.1170C>A, c.1178C>G, c.1200C>A, c.1200C>G, c.1248C>G, c.1344dup, c.1402_1405del
FOXP1	NM_001349338.3	c.1600T>C, c.1553G>A, c.1544A>G, c.1541G>C, c.1409A>G, c.1574G>A, c.1541G>A, c.1540C>T, c.1506C>G, c.1475A>G, c.1393A>G, c.1652+5G>A, c.1889+1G>T, c.1722+1G>A, c.1653-1G>A, c.1653-2A>T, c.1630C>T, c.1573C>T, c.1569del, c.1530+1G>T, c.1507C>T, c.1489C>T, c.1461_1462insAAC, c.1429-1G>T, c.1429-1G>A, c.1426_1428+1del, c.1428+1G>C, c.1420_1423del, c.1349-1G>A, c.1348+2T>C, c.1348+1G>C, c.1329C>G, c.1319C>G, c.1317C>G, c.1291_1292del, c.1267_1268del, c.1241del, c.1240_1241del, c.1240_1241insC, c.1240_1241insC, c.1147-2A>G, c.1146+1G>A, c.1103_1104insA, c.975-2A>G, c.975-2A>C, c.869+1G>A, c.844_845del, c.622C>T, c.606del, c.574C>T, c.573_574insA, c.529C>T, c.447_448insA, c.1729_1730delinsTGAA, c.1624C>T, c.1569_1570insA, c.1552_1553insA, c.1534_1535insG, c.1507del, c.1476T>A, c.1426C>T, c.1329C>A, c.1324_1325insGACA, c.1321_1324del, c.1317C>A, c.1265_1266del, c.1264del, c.1248_1249insC, c.1201C>T, c.1177A>T, c.1172_1175del, c.1087C>T, c.1078_1079del, c.1071del, c.1031_1032insT, c.1000_1001insG, c.974del, c.945del, c.930G>A, c.913_914del, c.910G>T, c.909T>G, c.825del, c.738del, c.659_660insC, c.598C>T, c.580C>T, c.511C>T, c.508G>T, c.494del, c.488del, c.484C>T, c.483_484insAA, c.427del, c.312_313del, c.214C>T
GABRA1	NM_001127644.2	c.268G>A, c.751G>A, c.752G>A, c.755A>G, c.787A>G, c.788T>A, c.788T>C, c.785G>A, c.839G>T, c.917A>C, c.973T>C, c.640C>T, c.641G>A, c.865A>G, c.334C>T, c.335G>A, c.440G>C, c.1313A>G, c.256-2A>G, c.476+2T>A, c.857-2A>G, c.1200del, c.789_786dup, c.813del
GABRB2	NM_001371727.1	c.929T>C, c.911C>T, c.908A>G, c.902A>T, c.901T>C, c.899C>T, c.896T>G, c.895A>T, c.895A>G, c.862A>G, c.859A>C, c.857C>T, c.845T>C, c.830T>C, c.755C>T, c.754C>T, c.754C>A, c.737T>C, c.735T>A, c.730T>C, c.627G>T, c.626A>C, c.373G>A, c.236T>C, c.946G>A, c.909G>T, c.904A>G, c.902A>G, c.877C>T, c.863T>C, c.860C>T
GATAD2B	NM_020699.4	c.1441C>T, c.1414del, c.1331del, c.1043C>G, c.980_981del, c.895C>T, c.818_819insT, c.777_778del, c.667_670del, c.653del, c.614del, c.495_496insT, c.487C>T, c.453_454insA, c.432_435del, c.365C>G, c.322_325del, c.274_275insACTG, c.252del, c.185_186del, c.185del, c.182_183del, c.155del, c.1258T>C, c.539T>C, c.1241G>A, c.1537C>T, c.1432C>T, c.1429C>T, c.1438C>T, c.1426G>T, c.1411C>T, c.1261_1262insG, c.1198_1199del, c.1196del, c.1075C>T, c.1045C>T, c.973C>T, c.981del, c.918del, c.820C>T, c.709C>T, c.694C>T, c.658C>T, c.655C>T, c.562_563del, c.565_566del, c.552_555del, c.520C>T, c.535C>T, c.346C>T, c.115_116insG, c.153del, c.1419+1G>A, c.1417C>T, c.1408C>T, c.1217-2A>G, c.730-1G>T, c.598-1G>A, c.466-1G>C, c.335+2T>G, c.1444C>T, c.574C>T, c.229G>T
GFAP	NM_002055.5	c.1235C>T, c.1193C>T, c.1157A>T, c.1117G>A, c.1109T>C, c.1096T>C, c.1086G>C, c.1085A>G, c.1076T>C, c.1070T>C, c.827G>T, c.791T>C, c.758C>G, c.262C>A, c.259G>G, c.252C>G, c.242C>A, c.235C>G, c.234C>A, c.232G>T, c.230A>G, c.229A>T, c.226C>T, c.205G>A, c.1246C>T, c.1126C>T, c.716G>T, c.716G>A, c.715C>T, c.382G>A, c.262C>T, c.236G>A, c.235C>T, c.208C>T, c.620A>T
GNAO1	NM_020988.3	c.4G>C, c.118G>A, c.119G>C, c.119G>T, c.124G>C, c.136A>G, c.138A>T, c.143C>A, c.155A>C, c.470T>C, c.509C>G, c.521A>G, c.545C>T, c.550G>C, c.596T>C, c.607G>C, c.608G>A, c.610G>C, c.617G>A, c.617G>T, c.620C>T, c.620C>A, c.625C>G, c.683T>C, c.687C>G, c.692A>G, c.725A>C, c.736G>C, c.736_738delinsAAA, c.737A>G, c.737A>T, c.810C>A, c.817G>T, c.818A>T, c.836T>A, c.851T>C, c.1030_1032del, c.118G>T, c.118G>A, c.124G>A, c.133G>C, c.140G>A, c.143C>T, c.155A>G, c.607G>A, c.625C>T, c.626G>A, c.626G>T, c.662C>A, c.680C>T, c.709G>A, c.736G>A, c.871T>A, c.118G>C, c.520G>A, c.119-2_119-1del, c.676_677del, c.723+1G>A, c.723+1G>T, c.723+2T>A, c.724-8G>A, c.529C>T, c.759dup
GRIN1	NM_007327.4	c.1595C>T, c.1658C>T, c.1670C>T, c.1852G>A, c.1853G>T, c.1858G>A, c.1913G>C, c.1923G>A, c.1949A>T, c.1950C>G, c.1958C>G, c.1961T>G, c.2021A>T, c.2231G>A, c.2443G>A, c.2443G>C, c.2449T>C, c.2451C>A, c.2531G>T, c.1670C>G, c.1852G>C, c.1858G>C, c.1975C>T, c.2479G>A, c.2530C>T, c.352G>A, c.421G>A, c.1643G>A, c.1687T>G, c.2443G>T, c.2013+2T>G, c.2171+1G>A, c.268del, c.1339del, c.2414del
GRIN2B	NM_000834.5	c.2473T>G, c.2472G>A, c.2461G>T, c.2459G>T, c.2458G>C, c.2458G>A, c.2455G>A, c.2453T>C, c.2453T>A, c.2452A>C, c.2430C>A, c.2429G>A, c.2237G>A, c.2117T>A, c.2086C>T, c.2045G>A, c.2002G>A, c.1963A>T, c.1931C>A, c.1907C>T, c.1906G>C, c.1883C>T, c.1883C>G, c.1853T>G, c.1849T>A, c.1845C>G, c.1844A>T, c.1821G>T, c.1821G>C, c.1672G>A, c.1618C>T, c.1573T>G, c.1556G>A, c.1540A>G, c.1382G>A, c.1238A>G, c.1237G>A, c.2477G>A, c.2459G>C, c.2459G>C, c.2525T>C, c.2116A>G, c.2087G>A, c.2065G>A, c.2044C>T, c.2002G>T, c.1970A>G, c.1928T>C, c.1916C>T, c.1858G>A, c.1832G>T, c.1658C>T, c.1619G>A, c.1382G>T, c.3012C>G, c.2589del, c.2471T>G, c.2053A>C, c.1937A>G, c.1930G>A, c.1547A>G, c.1306T>C, c.2684_2685del, c.2599-1G>A, c.2360-2A>G, c.2172-2A>G, c.2131C>T, c.2039del, c.2010+1del, c.2010+1G>C, c.1966C>T, c.1823T>A, c.1780+2_1780+3delinsGT, c.1677G>A, c.1654+1G>A, c.1555C>T, c.1500+1G>A, c.1368C>A, c.1345G>T, c.1328+1G>A, c.1119G>A, c.1081del, c.1011-1G>C, c.996del, c.838_839del, c.803_804del, c.737C>A, c.706G>T, c.649C>T, c.538C>T, c.412-2A>G, c.99_100insC, c.23_24insC, c.2014C>T, c.2410G>T, c.2250_2251insCC, c.2010delinsAA, c.1821G>A, c.1755T>G, c.1443_1444insGGTT, c.1396A>T, c.1372A>T, c.1308C>A, c.1287C>A, c.1251_1252insC, c.1201C>T, c.1177C>T, c.1108G>T, c.1016del, c.99del, c.1495G>A, c.2539C>T
HDAC8	NM_018486.3	c.131del, c.793G>A, c.770C>A, c.769C>T, c.653G>A, c.635G>T, c.595T>A, c.584T>G, c.584T>A, c.556G>A, c.539A>G, c.471T>G, c.419G>T, c.356C>T, c.211C>T, c.932C>T, c.562G>A, c.356C>G, c.134_137del, c.104_105del, c.958G>A, c.1006-2A>G, c.937C>T, c.881G>A, c.839_843delinsGT, c.738-1del, c.738-1G>A, c.737+1G>A, c.522C>A, c.496C>T, c.490C>T, c.295+2T>G, c.229C>T, c.165-2A>G, c.164+5G>A, c.164_164+1delinsCT, c.1011_1012insC, c.951C>A, c.911del, c.907G>T, c.787C>T, c.748del, c.720T>G, c.581_582del, c.551del, c.522C>G, c.238C>T
HNRNPK	NM_031263.4	c.1273G>T, c.1250C>A, c.1054_1055insAT, c.1048_1051del, c.1040_1041del, c.886C>T, c.875del, c.573_574del, c.460_461del, c.440T>A, c.431_434del, c.229del, c.676_678del, c.137G>T, c.257G>A, c.1094del, c.1009del, c.998_999insC, c.931_932insTT, c.859C>T, c.779_780insG, c.1191+2T>G, c.1109-1G>A, c.1108+1G>T, c.1008+1G>T, c.953+1_953+2insG, c.646-1G>A, c.257+5G>A, c.398_399insT, c.364C>T
HNRNPUB	NM_031844.3	c.2295_2298del, c.2294_2295insGTAA, c.2288_2289insG, c.2217_2218del, c.2210_2211insC, c.2085_2086insT, c.2006_2007insG, c.1930G>T, c.1905_1906del, c.1780_1781del, c.1765del, c.1723C>T, c.1681_1682insC, c.1674_1675insA, c.1639del, c.1518del, c.1492_1493insTG, c.1320_1321del, c.1173_1174del, c.1157_1158insT, c.1086del, c.1085del, c.1060_1061del, c.998_999del, c.906_907del, c.857_858del, c.728del, c.628_629insG, c.551del, c.520del, c.520C>T, c.490C>T, c.484C>T, c.415C>T, c.353C>T, c.325G>T, c.310A>G, c.245del, c.226C>T, c.223G>T, c.2118_2119del, c.2106C>A, c.2091G>A, c.2092_2093insG, c.2080A>T, c.2078_2079del, c.2039_2040insG, c.1984del, c.1977G>A, c.1899_1900del, c.1856_1857del, c.1822C>T, c.1713_1714insC, c.1713del, c.1657G>T, c.1656del, c.1615C>T, c.1563_1564del, c.1528C>T, c.1522_1523insA, c.1492_1495del, c.1485_1486del, c.1473_1474del, c.1459_1460del, c.1452_1453del, c.1446_1448delinsC, c.1326G>A, c.1325G>A, c.1228C>T, c.1308C>A, c.1207C>T, c.1205_1206insC, c.1205del, c.1189A>T, c.1139del, c.1057G>T, c.1052del, c.986C>A, c.936T>A, c.929del, c.910C>T, c.903_904insG, c.871C>T, c.863G>A, c.852_853del, c.841C>T, c.771G>A, c.765C>G, c.715_716insA, c.703C>T, c.699_700del, c.702C>A, c.693_694del, c.588C>A, c.532del, c.514C>T, c.439C>T, c.384G>A, c.377_378delinsAA, c.341del, c.213_214delinsC, c.270_271insG, c.311del, c.165C>A, c.148C>T, c.238A>T, c.142G>T, c.3100A>T, c.3067del, c.3062del, c.3039_3040insT, c.3009_3010insAG, c.3006_3007insTTGG, c.3002_3003insCG, c.2990C>G, c.2968A>T, c.2966_2967insT, c.2948del, c.2931del, c.2925_2926insCT, c.2895_2896insT, c.2844C>A, c.2840del, c.2830del, c.2803G>T, c.2743C>T, c.2728_2729insG, c.2728_2729insCG, c.2690_2691insG, c.2629_2630insG, c.2627G>A, c.2625del, c.2619_2620del, c.2575_2576insT, c.2532T>A, c.2507_2508del, c.2505T>A, c.2465del, c.2424T>A, c.2418del, c.2415del, c.2406del, c.2385del, c.2358C>A, c.2342_2343insA, c.2323del, c.2322G>A, c.2318del, c.2310C>A, c.2274_2275del, c.2257_2258insT, c.2209G>T, c.2173_2174insCG, c.2129_2130insA, c.2123_2124del, c.1961del, c.1955_1956insG, c.1923insC, c.1890del, c.1878C>A, c.1871delinsGA, c.1868_1869insG, c.1829del, c.1823_1826del, c.1779T>A, c.1764_1765insT, c.1716_1717del, c.1687del, c.1680C>A, c.1666G>T, c.1657del, c.1653C>A, c.1627del, c.1601del, c.1566T>A, c.1509_1510del, c.1499_1500insG, c.1490_1491insTT, c.1485del, c.1459_1460insGA, c.1448_1449del, c.1424_1425insG, c.1377_1378del, c.1375C>T, c.1369C>T, c.1363del, c.1353_1354insT, c.1346_1347del, c.1312_1313insT, c.1304_1305insTA, c.1232T>A, c.1218_1219insGA, c.1199_1200insTG, c.1188_1189insT, c.1181_1182insA, c.1121_1122insTCCT, c.1101_1102insC, c.1082_1083del, c.1047_1048insC, c.1025_1026del, c.1013del, c.984T>G, c.974_975del, c.964_965insAGT, c.941del, c.932del, c.912del, c.864G>A, c.797del, c.795C>A, c.783C>G, c.734_735insG, c.682G>T, c.677_678insG, c.664del, c.655_656insA, c.648_649insC, c.647del, c.622G>T, c.596del, c.587_588delinsT, c.578del, c.544C>T, c.543T>A, c.537_538insT, c.500G>A, c.459_460insT, c.443del, c.409_410insGG, c.390_391insG, c.358_359insA, c.350del, c.349_350insC, c.349del, c.273del, c.269_270del, c.228del, c.203_204insG, c.192_193insC, c.190del, c.173_176del, c.172_173insG, c.123del, c.2705G>C, c.2429C>T, c.820G>A, c.74_75insG, c.41del, c.3172C>T, c.3168_3169del, c.3164_3167del, c.3164_3165insT, c.694+1G>T, c.438_439+2del, c.3049-2A>G, c.2916+1G>C, c.2682+1_2682+2insG, c.2682+1G>T, c.2458+2_2458+5del, c.2458+2T>G, c.2458+1G>A, c.2372+1G>T, c.2345-1G>A, c.2114-2A>C, c.2113+1G>T, c.2113+1G>A, c.1720+1del, c.1720+1G>C, c.886+3A>G, c.886+1G>A, c.756-1G>T, c.756-1G>C, c.695-1G>C, c.439+1G>A, c.388-2A>C, c.81+1G>A, c.100C>T, c.73_74del, c.7_8insT, c.2455A>G

KANSL1	NM_015443.4	c.2692_2693del, c.2591del, c.2519C>A, c.2132_2133insT, c.2130del, c.2109_2110insA, c.2105del, c.2058del, c.1958_1959insC, c.1944_1945insT, c.1802_1803insA, c.1726C>T, c.1725_1726insA, c.1579_1582del, c.1532del, c.1485_1488del, c.1450del, c.1412_1413del, c.1410C>A, c.1384C>T, c.1353G>A, c.1347G>A, c.1328_1329insC, c.1327_1328insATTC, c.3031C>T, c.2788_2789del, c.2470C>T, c.1867_1870del, c.1816C>T, c.1651_1652insA, c.1463_1464insC, c.2542-1G>A, c.1186C>T, c.2907del, c.2837+2T>C, c.2837+1G>A, c.2667-1G>A, c.2542-2A>G, c.2020+1G>A, c.1652+1G>A, c.1268_1269del, c.1042C>T, c.930del, c.916C>T, c.878del, c.876del, c.699_700insT, c.611_612insG, c.611_612insGGG, c.572del, c.540del, c.537_538insGA, c.449del, c.2956_2957del, c.2939_2940del, c.2908_2909insC, c.2902C>T, c.2835_2836insG, c.2824del, c.2284C>T, c.1288_1289del, c.1269del, c.1220C>G, c.1185_1186insA, c.1110del, c.1006G>T, c.993_994insA, c.808del, c.788del, c.779del, c.774_775insT, c.611del, c.295C>T
KAT6B	NM_012330.4	c.2616del, c.2658_2659del, c.2742_2743del, c.2848_2849del, c.3041_3042del, c.3118C>T, c.3169dup, c.3213del, c.3217G>T, c.3223G>T, c.3246del, c.3253del, c.3286G>T, c.3295_3298del, c.3378_3381del, c.3428del, c.3477_3480dup, c.3499_3500del, c.3147G>A, c.708_709del, c.3004C>T, c.3018del, c.3040C>T, c.3216del, c.3172C>T, c.3256G>T, c.3264dup, c.3349_3350del, c.3349C>T, c.3366_3369del, c.3401del, c.3399_3402del, c.847-2A>G, c.1030C>T, c.1061+1G>A, c.1993+1G>A, c.2347C>T, c.2629+2T>C, c.3021+1G>T, c.3022-1G>A, c.3373-2A>C, c.3581del, c.3606_3609del, c.3664+1G>A, c.3665-1G>C, c.3892G>T, c.3906del, c.3962_3963del, c.3995del, c.3998dup, c.4069G>T, c.4089_4092del, c.4205_4206del, c.4231G>T, c.4379del, c.4405dup, c.4461_4464del, c.4538dup, c.4572_4573dup, c.4592del, c.4602del, c.5058C>A, c.5146_5147del, c.5254C>T, c.5302C>T, c.5389C>T, c.5646del, c.130A>T, c.257del, c.282del, c.457C>T, c.466dup, c.1009C>T, c.1770_1773del, c.1864C>T, c.2510del, c.3769_3772del, c.3788_3789del, c.3802G>T, c.4096G>T, c.4102dup, c.4162C>T
KCNB1	NM_004975.4	c.307C>T, c.117_118insG, c.117del, c.1265A>C, c.1240A>G, c.1226T>C, c.1222C>T, c.1202G>C, c.1190G>T, c.1184G>A, c.1153C>A, c.1145A>T, c.1144G>C, c.1144G>A, c.1136G>T, c.1135G>A, c.1133T>G, c.1133T>C, c.1130C>A, c.1121C>T, c.1108T>C, c.1057G>A, c.1040G>T, c.990G>C, c.988G>A, c.956C>T, c.938A>G, c.935G>C, c.814C>T, c.629C>G, c.629C>A, c.628A>G, c.623T>G, c.595A>T, c.587T>G, c.128A>G, c.1248C>A, c.1246T>C, c.1201G>A, c.1136G>A, c.1132G>C, c.1106G>T, c.1045G>T, c.1041C>G, c.1041C>A, c.1001T>C, c.995G>T, c.968C>T, c.935G>A, c.934C>T, c.916C>T, c.908G>A, c.629C>T, c.1190G>A, c.1183G>A, c.1142G>A, c.1139A>G, c.1105T>C, c.937C>T, c.907C>T, c.1747C>T, c.1503_1504insT, c.1489G>T, c.1109G>A, c.1107G>A, c.1088del, c.984C>G, c.857del, c.820_821insT, c.661delinsAT
KCNJ2	NM_000891.3	c.199C>T, c.200G>A, c.211G>A, c.212A>T, c.224C>G, c.224C>T, c.232G>T, c.233A>G, c.244C>T, c.245G>A, c.430G>A, c.431G>A, c.431G>C, c.434A>G, c.557C>A, c.557C>T, c.565A>G, c.566G>T, c.574A>G, c.575C>T, c.644G>A, c.646A>C, c.646A>T, c.652C>T, c.653G>A, c.653G>C, c.653G>T, c.665T>C, c.779G>A, c.779G>C, c.896A>G, c.899G>A, c.899G>T, c.902T>G, c.904G>A, c.913A>C, c.913A>G, c.919A>G, c.926C>T, c.934C>T, c.935G>A, c.211G>C
KCNQ2	NM_172107.4	c.1742G>C, c.1734G>C, c.1734G>A, c.1733T>C, c.1732A>G, c.1732A>C, c.1721G>A, c.1720G>A, c.1700T>A, c.1688A>G, c.1687G>T, c.1684T>A, c.1681C>T, c.1679G>C, c.1666A>G, c.1666A>C, c.1665C>G, c.1663T>A, c.1662G>T, c.1658G>T, c.1658G>C, c.1657C>G, c.1640G>T, c.1639C>G, c.1636A>G, c.1619T>G, c.1618A>G, c.1617C>T, c.1076C>A, c.1067T>G, c.1067T>A, c.1065C>A, c.1064A>T, c.1057C>G, c.1056_1057delinsCG, c.1052T>G, c.1051C>T, c.1051C>G, c.1050C>A, c.1049A>G, c.1030T>C, c.1023G>C, c.1020C>G, c.1010C>G, c.1009G>A, c.1003C>T, c.1003C>G, c.970C>T, c.955A>G, c.943G>C, c.937G>A, c.923C>T, c.922C>T, c.920T>C, c.917C>A, c.916G>C, c.915C>G, c.911T>G, c.886A>C, c.908C>G, c.880G>T, c.878T>C, c.873G>T, c.869G>T, c.869G>A, c.854C>T, c.850T>G, c.850T>C, c.845A>T, c.842G>A, c.839A>G, c.836G>T, c.836G>A, c.835G>A, c.834T>G, c.833T>A, c.830C>T, c.832A>T, c.830C>G, c.830C>A, c.829A>G, c.829A>C, c.827C>T, c.827C>A, c.826A>C, c.812G>A, c.811G>A, c.810G>C, c.807G>T, c.806G>T, c.803T>C, c.798T>A, c.797A>T, c.788C>T, c.787A>G, c.766G>T, c.766G>A, c.749T>G, c.749T>C, c.746T>C, c.740C>T, c.740C>G, c.737C>T, c.737C>G, c.710A>G, c.700A>G, c.693G>T, c.682C>T, c.684C>A, c.668C>T, c.667T>C, c.649A>G, c.652T>A, c.649A>C, c.641G>C, c.641G>A, c.638G>T, c.636C>A, c.635A>T, c.634G>A, c.622A>G, c.617T>G, c.613A>G, c.612G>T, c.611A>G, c.601C>G, c.592C>T, c.578C>T, c.578C>A, c.523G>T, c.523G>C, c.419A>C, c.388G>A, c.316T>G, c.242T>C, c.1749G>C, c.1742G>A, c.1741C>G, c.1687G>A, c.1682C>T, c.1679G>A, c.1678C>T, c.1663T>C, c.1658G>A, c.1657C>T, c.1639C>T, c.1058G>A, c.1004C>T, c.998G>A, c.997C>T, c.994A>G, c.949G>A, c.926C>T, c.917C>T, c.916G>A, c.913_915del, c.915C>A, c.911T>C, c.902G>T, c.902G>A, c.901G>A, c.881C>T, c.875T>C, c.853C>T, c.868G>T, c.868G>A, c.844G>C, c.841G>T, c.844G>A, c.841G>C, c.838T>C, c.833T>C, c.829A>T, c.821C>T, c.811G>C, c.802C>T, c.794C>T, c.797A>G, c.793G>A, c.782T>G, c.778C>T, c.748G>T, c.704C>T, c.693G>C, c.650C>T, c.640C>T, c.638G>A, c.637C>T, c.629G>C, c.629G>A, c.628C>T, c.620G>A, c.619C>T, c.602G>A, c.593G>A, c.587C>T, c.584C>T, c.584C>G, c.583T>C, c.431G>A, c.430C>G, c.365C>T, c.1742G>C, c.1637T>C, c.1632-1G>T, c.1627G>A, c.1302-1G>C, c.1067T>C, c.1057C>T, c.1022A>G, c.928G>A, c.873G>C, c.841G>A, c.835G>T, c.799G>C, c.716G>T, c.715G>A, c.712A>C, c.601C>T, c.593G>C, c.553G>A, c.545T>C, c.544G>A, c.430C>T, c.2597del, c.2331_2332insC, c.2318_2319insG, c.2245G>T, c.2127del, c.2126_2127del, c.2126_2127insC, c.1955del, c.1816A>T, c.1709del, c.1708C>T, c.1686C>A, c.1680_1681insG, c.1632-1G>A, c.1631+2T>C, c.1631+1G>A, c.1525+1G>A, c.1508C>T, c.1420G>T, c.1388_1389del, c.1229_1230insC, c.1220_1223del, c.1204G>T, c.1192_1193del, c.1160_1161insC, c.1160del, c.1154del, c.1123C>T, c.1118+2T>C, c.1117_1118insA, c.1114_1115insT, c.1093C>T, c.1086C>G, c.1079G>A, c.1041C>G, c.1024-2A>C, c.927+2T>C, c.927+1G>T, c.927+1G>C, c.927+1G>A, c.848del, c.845del, c.817-1_817delinsAT, c.816+2T>A, c.816+1G>T, c.816+1G>A, c.809G>A, c.807G>A, c.781_782insCT, c.691-1G>A, c.690+1G>A, c.687del, c.624del, c.514+1G>A, c.471G>A, c.439del, c.388-1G>C, c.388-1G>A, c.388-2A>G, c.387+2T>C, c.387+1G>A, c.367del, c.333_334del, c.297-1G>C, c.294C>G, c.286_287insC, c.232C>T, c.222C>G, c.204_205insC, c.144_145insC, c.106del, c.2T>C, c.1686C>G, c.1604_1605insG, c.1583_1584del, c.1561_1562insGACA, c.1540G>T, c.1539del, c.1534del, c.1528del, c.1478del, c.1480C>T, c.1452_1453insG, c.1452G>A, c.1444A>T, c.1411C>T, c.1381C>T, c.1375C>T, c.1368del, c.1356_1357insC, c.1342del, c.1273_1274del, c.1197del, c.1178del, c.1168C>T, c.1154_1155insT, c.1141_1142insG, c.1140_1141del, c.1137C>A, c.1113del, c.1104del, c.1089del, c.1089C>T, c.1089C>A, c.1080_1083del, c.1080G>A, c.1049_1050insA, c.1021C>T, c.1009_1010insGACA, c.992del, c.967del, c.883del, c.880_881insG, c.875_876delinsCCT, c.856_857insC, c.856del, c.794_795insATTC, c.792C>G, c.792C>A, c.769G>T, c.753C>G, c.721_724del, c.668_669del, c.654G>A, c.653G>A, c.649_650del, c.644del, c.634_635insG, c.610del, c.605_606insT, c.562del, c.550del, c.518_519insT, c.493_494insC, c.477del, c.459del, c.437G>A, c.432del, c.418_421del, c.401del, c.354T>G, c.329_332del, c.330del, c.315del, c.297del, c.285C>A, c.274_275insG, c.273G>A, c.272G>A, c.236del, c.223del, c.216_217insC, c.204del, c.195_198del, c.197del, c.195_196del, c.144del, c.135del, c.119_120del, c.102del
KCNT1	NM_020822.3	c.862G>A, c.1309C>T, c.1420C>T, c.2677G>A, c.2678A>T, c.2687T>A, c.2688G>A, c.2688G>C, c.2782C>T, c.1193G>A, c.1283G>A, c. c.2386T>C, c.2686A>G, c.2800G>A, c.108del, c.785G>A, c.1421G>A, c.2849G>A, c.2882G>A, c.2896G>A
KIF1A	NM_001244008.2	c.920G>A, c.760C>T, c.757G>A, c.647G>A, c.646C>T, c.643A>C, c.296C>T, c.173C>T, c.38G>A, c.37C>T, c.32G>A, c.31C>T, c.967T>C, c.920G>C, c.919C>G, c.799G>C, c.764C>A, c.641G>A, c.604G>C, c.556G>T, c.506G>C, c.467A>T, c.444G>T, c.442G>A, c.430G>T, c.833T>C, c.275G>A, c.265T>G, c.254C>A, c.266A>T, c.232G>C, c.79A>T, c.38G>T, c.37C>A, c.32G>T, c.4868+1G>C, c.4319-2A>G, c.4278C>G, c.3465+1G>A, c.3374+2T>G, c.2582+1G>A, c.2116+1G>C, c.1894C>T, c.1578-2A>G, c.1421+2T>A, c.1037+1G>C, c.958+1G>C, c.798+2T>C, c.798+1G>A, c.609-1G>A, c.1139G>C, c.1138C>T, c.821C>T, c.647G>C, c.452G>A, c.1048C>T, c.1031C>T, c.946C>T, c.914C>T, c.773C>T, c.761G>A, c.746T>C, c.595G>A, c.500G>A, c.499C>T, c.304G>A, c.206C>T, c.1048C>G, c.746T>A, c.518T>G, c.512A>C, c.764C>T, c.317C>A, c.308A>C, c.305G>A, c.233G>A, c.173C>G, c.947G>A
KMT2A	NM_001197104.2	c.126del, c.129del, c.166_167insA, c.293del, c.308del, c.416dup, c.572C>A, c.731T>G, c.766dup, c.766del, c.865A>T, c.883_886del, c.934_935insC, c.1065del, c.1147del, c.1274dup, c.1274del, c.1395_1396insG, c.1470_1471del, c.1522G>T, c.1652dup, c.1660C>T, c.1700del, c.1704dup, c.1808del, c.1822C>T, c.1837C>T, c.1975G>T, c.2068dup, c.2193del, c.2322_2323del, c.2348_2349del, c.2388dup, c.2429_2430insG, c.2490dup, c.2517dup, c.2522del, c.2569G>T, c.2608A>T, c.2619_2620del, c.2635G>T, c.2865del, c.2958_2959insGTTG, c.2968_2969insAGAG, c.3044del, c.3070dup, c.3190C>T, c.3193G>T, c.3337A>T, c.3340del, c.3373_3374del, c.3462del, c.3515dup, c.3558_3559delinsTT, c.3559C>T, c.3615C>A, c.3724C>T, c.3794del, c.3853C>T, c.3889C>T, c.3920dup, c.3926del, c.3933dup, c.3935_3936del, c.4069C>T, c.4246G>T, c.4331_4332dup, c.4532del, c.4777del, c.4988T>A, c.5116del, c.5168dup, c.5196dup, c.5332del, c.5455C>T, c.5656del, c.5656_5657del, c.5708_5709del, c.5822del, c.5887C>T, c.5901del, c.6033_6036del, c.6034A>T, c.6141_6142dup, c.6305dup, c.6305del, c.6357del, c.6504del, c.6764C>A, c.6989del, c.7020del, c.7124del, c.7155del, c.7248del, c.7302dup, c.7349del, c.7597del, c.7659dup, c.7726_7729del, c.7753del, c.7773T>A, c.7841del, c.7914T>A, c.7926del, c.7941_7942del, c.7990del, c.8055C>G, c.8185_8186del, c.8349_8352del, c.8454del, c.8874_8875del, c.9035del, c.9103C>T, c.9112_9115del, c.9139C>T, c.9195del, c.9275_9276del, c.9383del, c.9436C>T, c.9447_9450dup, c.9449del, c.9519_9520del, c.9684del, c.9694C>T, c.9768_9769del, c.9839C>A, c.9847C>T, c.9910_9911del, c.10023dup, c.10051del, c.10139C>G, c.10153_10154del, c.10171C>T, c.10322del, c.10550dup, c.10608del, c.10786dup, c.10816G>T, c.10853del, c.10934dup, c.11073dup, c.11110C>T, c.11122del, c.11230C>T, c.11280del, c.11388del, c.3215G>T, c.3463T>C, c.3464G>T, c.3472T>C, c.3473G>A, c.3473G>C, c.3539G>A, c.3557A>C, c.3560A>T, c.3566G>A, c.4342T>C, c.4343G>A, c.3460C>T, c.3464G>A, c.3565T>C, c.4367A>G, c.4696G>A, c.173del, c.173dup, c.458C>G, c.269C>A, c.478C>T, c.517C>T, c.835_838del, c.889del, c.1038del, c.1142dup, c.1186del, c.2233C>T, c.2262del, c.2318dup, c.2318del, c.2319dup, c.2452A>T, c.2455C>T, c.2483C>G, c.2514del, c.2552_2553del, c.2629_2630dup, c.2629_2630del, c.2673_2674del, c.2690C>G, c.3034C>T, c.3241C>T, c.3247C>T, c.3301C>T, c.3451C>T, c.3521T>G, c.3592C>T, c.3651_3652del, c.3651dup, c.3740_3741del, c.3790C>T, c.3991C>T, c.4029del, c.4032del, c.4177dup, c.4422G>A, c.4433del, c.4599dup, c.4504C>T, c.4906C>T, c.5256dup, c.5251A>T, c.5419C>T, c.5431C>T, c.5572C>T, c.5621dup, c.5788del, c.5935C>T, c.6002_6005del, c.6329C>G, c.6379C>T, c.6445C>T, c.6487C>T, c.6811del, c.6571C>T, c.6913del, c.7007dup, c.7071del, c.7144C>T, c.7150C>T, c.7438C>T, c.7497del, c.7567_7570del, c.7831G>T, c.7975C>T, c.8095C>T, c.8183_8186del, c.8267del, c.8270dup, c.8407C>T, c.8767_8768del, c.8806_8809del, c.9068del, c.9133C>T, c.9921del, c.10064dup, c.10217C>A, c.10217C>G, c.10334dup, c.11001dup, c.11084C>G, c.11530dup, c.3019G>T, c.3461G>A, c.134del, c.502+1G>A, c.602_603insT, c.1844del, c.2896A>T, c.3334+1G>A, c.3341C>A, c.3455C>A, c.3569+2T>G, c.3570-2A>G, c.3634+1G>A, c.3634+2T>C, c.3680_3683del, c.4012+1del, c.4012+1G>C, c.4012+2T>A, c.4086+1G>A, c.4171C>T, c.4576-1G>C, c.4696+1G>A, c.5363+1del, c.5803-1G>A, c.6079+2T>C, c.6158+1del, c.7643del, c.7899del, c.8149del, c.10376del, c.10754+1G>A, c.11031del, c.11147-2A>G, c.11514-2A>C, c.2413C>T

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KRAS	NM_004985.5	<p>c.194G>T, c.178G>C, c.173C>T, c.101C>T, c.65A>G, c.40G>A, c.15A>T, c.458A>T, c.468C>G, c.466T>G, c.466T>A, c.458A>G, c.455T>G, c.454G>T, c.440A>G, c.439A>G, c.437C>T, c.436G>C, c.211T>C, c.183A>T, c.182A>T, c.182A>C, c.181C>G, c.179G>T, c.178G>A, c.108A>G, c.101C>G, c.101C>A, c.65A>T, c.64C>G, c.64C>A, c.35G>T, c.34G>A, c.15A>C, c.13A>G, c.13A>C, c.436G>A, c.183A>C, c.220A>C</p>
LMNA	NM_170707.4	<p>c.911G>A, c.94A>G, c.116A>G, c.122G>A, c.143G>C, c.427T>C, c.448A>C, c.481G>A, c.497G>C, c.568C>T, c.569G>A, c.585C>G, c.644T>C, c.695G>A, c.746G>A, c.832G>A, c.832G>C, c.917T>C, c.1072G>A, c.1129C>T, c.1147G>A, c.1366A>G, c.1394G>A, c.1444C>T, c.1580G>C, c.1583C>A, c.1583C>G, c.1621C>T, c.1622G>A, c.92A>G, c.115A>T, c.115A>G, c.117T>A, c.122G>C, c.128C>A, c.164A>G, c.194A>G, c.254T>A, c.265C>G, c.266G>C, c.275T>C, c.398G>C, c.398G>T, c.422T>C, c.744_745delinsTT, c.872A>T, c.1117A>T, c.1118T>G, c.1119C>G, c.1150G>A, c.1163G>C, c.1346G>A, c.1358G>C, c.1367A>C, c.1368C>A, c.1368C>G, c.1494G>T, c.1540T>C, c.1558T>A, c.1558T>C, c.1582A>C, c.1621C>A, c.95A>C, c.176T>G, c.178C>G, c.428C>T, c.1139T>C, c.91_93del, c.94_96del, c.624_626del, c.1146C>T, c.1824C>T, c.1060C>T, c.1114del, c.1142del, c.1158-1G>T, c.1238del, c.1380+1G>A, c.1608+2T>G, c.1609-3C>G, c.1609-1G>A, c.1047C>A, c.121C>A, c.122G>T, c.127G>A, c.149G>T, c.305T>C, c.646C>T, c.647G>A, c.868G>A, c.893G>C, c.991C>T, c.992G>A, c.1003del, c.1106T>C, c.1114G>A, c.1130G>T, c.1195C>T, c.1262T>C, c.1337A>G, c.1366A>T, c.1411C>T, c.1445G>A, c.1478A>C, c.1698+13C>A, c.29C>T, c.158A>G, c.898G>A, c.11C>G, c.82C>T, c.412G>A, c.784G>A, c.433G>A, c.899A>G, c.917T>G, c.1626G>C, c.1822G>A, c.811-2A>G, c.811-1G>A, c.937-2A>G, c.937-1G>A, c.1157+1G>C, c.1157+1G>T, c.1158-2A>G, c.1380+2T>G, c.1381-1G>A, c.1608+2T>A, c.1698+1G>A, c.1699-2A>G, c.1968+1G>A, c.1698+1G>C</p>
LZTR1	NM_006767.4	<p>c.848G>A, c.1234C>T, c.50_51del, c.73del, c.200+1G>C, c.200+1G>T, c.263+3G>C, c.321-1G>A, c.356A>G, c.400+1G>A, c.401-2del, c.401-1A>G, c.509+1G>A, c.594-2A>G, c.622C>T, c.628dup, c.651+1G>A, c.742G>A, c.743G>A, c.743G>C, c.850C>T, c.955C>T, c.993+1G>A, c.993+2T>C, c.993+2T>G, c.1150-1G>T, c.1312G>T, c.1373dup, c.1449+1G>C, c.1449+1G>T, c.1616-2A>C, c.1616-1G>C, c.1785+1G>C, c.1785+2T>A, c.1785+2T>G, c.1786-2A>G, c.1942+2T>C, c.1943-1G>A, c.2069+1G>A, c.2069+2T>G, c.2070-1G>A, c.2220-1G>C, c.2325+1G>C, c.2325+1G>T, c.2325+1_2325+3delinsTTG, c.2325+2T>G, c.2326-2A>G, c.400+1G>C, c.401-1G>C, c.406T>C, c.842C>T, c.1786-1_1786dup, c.72del, c.115G>T, c.120C>G, c.138del, c.148del, c.150_151del, c.180C>A, c.184del, c.193_195delinsA, c.215_216del, c.214dup, c.301A>T, c.314G>A, c.352del, c.348_349insT, c.382dup, c.394delinsAA, c.423T>G, c.438dup, c.438del, c.439A>T, c.449del, c.458_459del, c.481C>T, c.482del, c.485G>A, c.486G>A, c.490del, c.496del, c.516_517insT, c.519del, c.529del, c.537_538del, c.540del, c.542dup, c.549_550del, c.549C>G, c.563G>A, c.579T>G, c.607del, c.609G>A, c.610del, c.612_613del, c.646del, c.644G>A, c.645G>A, c.649G>T, c.658C>T, c.671dup, c.677dup, c.671_672insG, c.677del, c.682del, c.684C>A, c.696del, c.708C>A, c.735dup, c.736C>T, c.739del, c.787_788del, c.794G>A, c.810del, c.876del, c.890_891del, c.891T>A, c.897dup, c.946del, c.963G>A, c.973_974dup, c.985del, c.987_988dup, c.991G>T, c.992del, c.1003del, c.1014del, c.1019_1022del, c.1030del, c.1032del, c.1048del, c.1053del, c.1066del, c.1078A>T, c.1107del, c.1113del, c.1135del, c.1135C>T, c.1171del, c.1190C>A, c.1214del, c.1226del, c.1245_1246del, c.1243G>T, c.1251dup, c.1251C>G, c.1258C>T, c.1266_1267del, c.1272C>G, c.1281C>A, c.1283del, c.1284dup, c.1291G>T, c.1310G>A, c.1336G>T, c.1355del, c.1357G>T, c.1360G>T, c.1365C>A, c.1381del, c.1406G>A, c.1426del, c.1426C>T, c.1447C>T, c.1459C>T, c.1462G>T, c.1468_1471del, c.1472del, c.1480del, c.1491del, c.1531del, c.1532_1533del, c.1568del, c.1587C>A, c.1602dup, c.1601_1602del, c.1600A>T, c.1605C>A, c.1611del, c.1612A>T, c.1676T>A, c.1681del, c.1680C>T, c.1698C>A, c.1702C>T, c.1726del, c.1729C>T, c.1733del, c.1733_1734del, c.1767_1768delinsTT, c.1777del, c.1777C>T, c.1779_1780del, c.1794C>A, c.1802del, c.1895del, c.1828C>T, c.1838del, c.1842del, c.1866_1867dup, c.1866_1867del, c.1886_1887del, c.1887_1888insAG, c.1896del, c.1897C>T, c.1910del, c.1909_1910del, c.1925del, c.1957C>T, c.1974C>A, c.1978G>T, c.2001_2002del, c.2011_2012del, c.2013_2014del, c.2017del, c.2059_2060insT, c.2073C>A, c.2073C>G, c.2083_2084del, c.2089del, c.2104G>T, c.2113C>T, c.2127dup, c.2134G>T, c.2152C>T, c.2160_2161insA, c.2174dup, c.2178_2179dup, c.2178C>T, c.2178C>G, c.2186dup, c.2193_2194delinsA, c.2216C>A, c.2223C>A, c.2229del, c.2238del, c.2239_2</p>

MECP2	NM_001110792.2	c.488A>G, c.487G>T, c.446A>G, c.434G>T, c.439A>G, c.434A>A, c.437C>T, c.455C>T, c.437C>G, c.433C>T, c.433C>A, c.408G>T, c.416C>T, c.408G>C, c.368G>A, c.400G>A, c.1497A>G, c.1497A>T, c.1495T>C, c.1490_1493del, c.1492_1493insTA, c.1486_1489del, c.1451_1452del, c.1402G>T, c.1400_1401insC, c.1399G>T, c.1393C>T, c.1386C>G, c.1356_1357insT, c.1328_1329insA, c.1326_1327insC, c.1282G>C, c.1277_1278del, c.1268_1269insG, c.1252C>T, c.1245del, c.1238_1239insG, c.1236_1237insC, c.1233_1234insC, c.1230_1231insT, c.1226_1227insA, c.1225G>C, c.1216_1217insT, c.1216G>T, c.1202_1203insC, c.1200del, c.1199_1200insC, c.1199del, c.1198_1199delinsTA, c.1195_1196delinsT, c.1193_1194insCT, c.1192_1193insC, c.1188_1191del, c.1180_1181insC, c.1176_1177insG, c.1173_1174insC, c.1173del, c.1168_1169del, c.1168_1169insT, c.1155_1156insA, c.1152_1155del, c.1154C>G, c.1147_1148insC, c.1141del, c.1123_1124insC, c.1123A>T, c.1122_1123insC, c.1122del, c.1115C>A, c.1097_1098del, c.1065del, c.1060_1061insAG, c.1055_1056insA, c.1020_1021insA, c.1001C>T, c.1000C>G, c.961C>T, c.953G>T, c.953G>C, c.953G>A, c.952C>T, c.950A>G, c.946A>G, c.942del, c.941C>T, c.941C>G, c.941C>A, c.940C>T, c.940C>G, c.934_937del, c.934del, c.925C>T, c.919del, c.916C>T, c.910_911insA, c.905_906insA, c.901_902del, c.901A>T, c.900_901insG, c.892_895del, c.890_891insA, c.876del, c.866del, c.860_861del, c.855del, c.846_849del, c.844del, c.844C>T, c.842del, c.835A>T, c.828_829del, c.820C>T, c.802A>T, c.799C>T, c.796A>T, c.792_795del, c.791_792insG, c.791del, c.789_790insC, c.789del, c.785_786insT, c.784_785insT, c.784_785insC, c.775del, c.766C>T, c.751del, c.746_747insG, c.746del, c.732del, c.731_732insG, c.731del, c.722C>A, c.714del, c.713_714insA, c.712_713insA, c.710C>T, c.710C>G, c.690_693del, c.687_688del, c.686C>T, c.658C>T, c.656_657insT, c.653del, c.650_651del, c.649G>T, c.647_648delinsAG, c.647C>G, c.644_645insA, c.637_638insG, c.634A>T, c.628A>T, c.610A>T, c.603_604insA, c.602_603insG, c.602del, c.592A>T, c.590del, c.579_580del, c.574A>T, c.567del, c.565A>T, c.559A>T, c.544C>T, c.538C>T, c.535C>T, c.531del, c.524_525del, c.520_521insA, c.519del, c.516_517del, c.516del, c.517G>T, c.511del, c.509C>T, c.509C>G, c.508A>G, c.507C>G, c.507C>A, c.505A>T, c.504C>G, c.504C>A, c.503A>G, c.502G>T, c.500T>C, c.491C>G, c.490C>G, c.490C>A, c.487del, c.475del, c.467del, c.466A>T, c.459C>G, c.458_459insA, c.459C>A, c.458A>G, c.456del, c.449T>A, c.447del, c.441A>C, c.440A>C, c.434G>C, c.428C>A, c.419A>C, c.418C>T, c.414_2A>T, c.414_3C>G, c.414_3C>G, c.413+1G>T, c.413+1G>A, c.411del, c.406T>G, c.398A>T, c.395A>G, c.381del, c.362_363insA, c.359T>C, c.357_358insGAAG, c.353G>T, c.351_352insA, c.352C>T, c.352C>G, c.347G>A, c.338C>T, c.338C>G, c.338C>A, c.337C>T, c.337C>A, c.334C>G, c.311_312insG, c.311del, c.310G>T, c.294_295del, c.283C>T, c.280A>T, c.279_280insC, c.251_252insT, c.251_252insC, c.251del, c.239C>G, c.237del, c.230C>G, c.225_226del, c.203_204del, c.182C>G, c.182C>A, c.176_177insA, c.162_163insG, c.155_156del, c.153_154insA, c.144_147del, c.143_144del, c.136_139del, c.127del, c.112del, c.100A>T, c.95del, c.91C>T, c.86_87insA, c.82C>T, c.74C>G, c.64G>T, c.63_2A>G, c.63_6C>G, c.62+2_62+3del, c.62+2T>G, c.62+1G>A, c.59_60del, c.48C>T, c.30delinsGA, c.3G>A, c.1A>T, c.1A>G, c.948G>C
MED13L	NM_015335.5	c.6418C>T, c.6336G>A, c.6331del, c.6331C>T, c.6239_6240insG, c.6234_6235del, c.6195_6196insT, c.6164del, c.6073_6074insA, c.6039del, c.5990_5991insT, c.5965C>T, c.5866C>T, c.5766_5769del, c.5562C>G, c.5502del, c.5471del, c.5285del, c.5269_5270insC, c.5083_5084insT, c.4975_4976insC, c.4921_4922del, c.4899_4900insT, c.4814C>G, c.4716del, c.4622del, c.4609C>T, c.4577del, c.4539_4542del, c.4456C>T, c.4403_4404insG, c.4435del, c.4289_4290delinsAA, c.4213G>T, c.4132G>T, c.4123G>T, c.4087del, c.4083del, c.4077G>A, c.4060C>T, c.4041G>A, c.3961C>T, c.3760_3761del, c.3627_3630del, c.3595_3596del, c.3519_3521insG, c.3469C>T, c.3383_3384del, c.3381del, c.3380del, c.3347_3348insCT, c.3309del, c.3284_3285del, c.3205C>T, c.3154C>T, c.3090_3093del, c.3034del, c.2950C>T, c.2911_2914del, c.2762del, c.2316_2317del, c.2107del, c.2059C>T, c.1992_1993insA, c.1971del, c.1852_1853insT, c.1744del, c.1704_1705insA, c.1648C>T, c.1516C>T, c.1496_1497insT, c.1420G>T, c.1405_1406insA, c.1341_1342insACCA, c.1336C>T, c.1318C>T, c.1218_1219insT, c.1186del, c.1111_1112insCCAA, c.1109_1110del, c.987del, c.889_890del, c.878del, c.747_748del, c.746_747insA, c.745A>T, c.712G>T, c.627_628insA, c.626_627insGT, c.601C>T, c.553C>T, c.516_517delinsAT, c.475A>T, c.442C>T, c.409_402insT, c.392_395del, c.319_320insG, c.293_294del, c.278del, c.5695G>A, c.2605C>A, c.2605C>T, c.2597C>T, c.2579A>G, c.6367C>T, c.6260del, c.6284_

NF1

NM_001042492.3

c.777dup, c.77del, c.84del, c.91_92dup, c.88del, c.93dup, c.94dup, c.739G>T, c.999C>G, c.1238C>A, c.1724C>G, c.1726_1727insTTTT, c.1738dup, c.1740C>A, c.1740C>G, c.1742del, c.1746C>A, c.1748del, c.1747A>T, c.1754del, c.1754T>G, c.1759dup, c.1776del, c.1777_1778insATAA, c.1785_1786del, c.1788del, c.1792A>T, c.1796G>A, c.1804dup, c.1815del, c.1818C>A, c.1849_1850delinsTA, c.1854del, c.1861del, c.1868del, c.1872dup, c.1874_1875del, c.1876del, c.1883del, c.1882_1884delinsAA, c.1884del, c.1884C>A, c.1888dup, c.1888del, c.1890del, c.1895dup, c.1895del, c.1896dup, c.1900dup, c.1912G>T, c.1917dup, c.1929dup, c.1929_1932del, c.1931_1934del, c.1934dup, c.1949T>G, c.1950del, c.1954del, c.1955del, c.1955_1956del, c.1961del, c.1973_1974del, c.1982del, c.1986dup, c.1985_1986del, c.1984AA>T, c.1989del, c.1995del, c.1997_1998del, c.1996del, c.2010dup, c.2010del, c.2032_2033insT, c.2033_2034insA, c.2033_2034delinsA, c.2034del, c.2035dup, c.2034_2035insC, c.2041del, c.2058del, c.2064dup, c.2064del, 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c.2450dup, c.2450del, c.2458del, c.2487dup, c.2491del, c.2494del, c.2503C>T, c.2506del, c.2505del, c.2521_2524dup, c.2525dup, c.2525del, c.2539dup, c.2545_2546dup, c.2547dup, c.2552del, c.2553C>A, c.2576del, c.2589_2592del, c.2598del, c.2599_2600dup, c.2604dup, c.2607del, c.2614G>T, c.2619_2622dup, c.2626dup, c.2639_2640dup, c.2648C>A, c.2648C>G, c.2654del, c.2673_2674insT, c.2679del, c.2700dup, c.2702del, c.2710dup, c.2721del, c.2724dup, c.2729dup, c.2739dup, c.2742del, c.2747del, c.2748dup, c.2753del, c.2756del, c.2765del, c.2774T>A, c.2802dup, c.2800_2801insGT, c.2810del, c.2815_2816insG, c.2823del, c.2824del, c.2829dup, c.2834_2835del, c.2831_2832insAAAA, c.2839dup, c.2842dup, c.2842del, c.2846dup, c.2855T>G, c.2855_2856insG, c.2856del, c.2862dup, c.2872dup, c.2873_2877delinsTGG, c.2876_2877insG, c.2883del, c.2890del, c.2892dup, c.2899dup, c.2900dup, c.2906del, c.2918del, c.2921dup, c.2929G>T, c.2934del, c.2935del, c.2940del, c.2940del, c.2947_2948del, c.2952del, c.2964dup, 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NF2	NM_000268.4	c.357_359del, c.288_290del, c.41_42del, c.114+1G>A, c.114+1G>T, c.122G>A, c.125_126insG, c.169C>T, c.193C>T, c.270del, c.343C>T, c.363+1G>A, c.367A>T, c.431dup, c.432C>G, c.439C>T, c.447+1del, c.448-2A>G, c.448-1G>A, c.465del, c.493C>T, c.516+1G>T, c.517-2A>G, c.517-1G>A, c.531T>A, c.544G>T, c.551G>A, c.586C>T, c.592C>T, c.599+1G>A, c.599+1G>C, c.599+1G>T, c.599+2T>G, c.600-2A>G, c.610G>T, c.634C>T, c.663C>G, c.675+1del, c.675+1G>A, c.675+1G>C, c.774G>A, c.784C>T, c.805A>T, c.810+1G>A, c.885+1G>A, c.892C>T, c.933del, c.958C>T, c.970C>T, c.1021C>T, c.1084C>T, c.1123-2A>G, c.1174G>T, c.1198C>T, c.1219C>T, c.1228C>T, c.1229del, c.1282C>T, c.1334_1337del, c.1340+1G>C, c.1340+1G>T, c.1340+2T>G, c.1341-1G>A, c.1387G>T, c.1396C>T, c.1446+1G>A, c.1447-2del, c.1447-1G>A, c.1447-1G>T, c.1564_1567del, c.1574+2A>G, c.1575-2A>G, c.1575-1G>C, c.1579G>T, c.1606C>T, c.1613dup, c.1737+1G>T, c.58_61delinsGT, c.69dup, c.180G>A, c.229del, c.251dup, c.273del, c.302_303del, c.320_321del, c.322del, c.375_376del, c.432del, c.433_434del, c.452del, c.457dup, c.465dup, c.476del, c.481G>T, c.483del, c.493del, c.499G>T, c.531T>A, c.553G>T, c.560_561del, c.563_564del, c.576C>A, c.627_628del, c.648_649dup, c.656_657insA, c.679A>T, c.745A>T, c.798C>G, c.863C>G, c.876del, c.934A>T, c.970del, c.979G>T, c.995del, c.1003G>T, c.1006dup, c.1015dup, c.1022del, c.1039G>T, c.1051del, c.1056del, c.1060del, c.1074del, c.1162del, c.1192_1193del, c.1210G>T, c.1229dup, c.1261G>T, c.1264G>T, c.1300G>T, c.1327G>T, c.1346_1347del, c.1395_1396delinsAT, c.1463del, c.1490del, c.1507dup, c.1507del, c.1521del, c.1621G>T, c.1627A>T, c.1646T>A
		c.179T>C, c.337A>G, c.346C>T, c.344G>A, c.440G>A, c.488T>G, c.325G>T, c.347G>A, c.73del, c.303dup, c.358del, c.424dup, c.463C>T, c.520G>T, c.559G>T, c.568C>T, c.623-2A>T, c.666G>A, c.935G>A, c.955+1G>T, c.959dup, c.994dup, c.1011_1012del, c.1012C>T, c.1037dup, c.1049dup, c.1090dup, c.1116dup, c.1243del, c.1456del, c.77del, c.120C>G, c.136A>T, c.148A>T, c.154G>T, c.163del, c.179dup, c.179del, c.195dup, c.220del, c.232A>T, c.250dup, c.267_268delinsC, c.303del, c.324dup, c.339_340dup, c.413del, c.442G>T, c.477dup, c.486C>A, c.586C>T, c.629T>A, c.637C>T, c.687_688dup, c.716C>G, c.765_766del, c.772del, c.772C>T, c.834del, c.905del, c.927dup, c.970_971del, c.977C>A, c.1013_1014del, c.1059del, c.1073_1076del, c.1087dup, c.1180del, c.1183del, c.1188del, c.1204dup, c.1249G>T, c.1252C>T, c.236T>C, c.347G>C, c.373A>G, c.95del, c.187G>T, c.697+2T>G, c.818+1G>A, c.955+1G>A, c.955+2T>C, c.1254+2T>A
NFIX	NM_001365902.3	
NIPBL	NM_133433.4	c.145G>T, c.161T>A, c.169del, c.192del, c.212_213dup, c.226del, c.241del, c.286_287insG, c.308_311dup, c.314dup, c.328A>T, c.373C>T, c.385del, c.442_443dup, c.505dup, c.585C>G, c.592del, c.654_657del, c.793_794insTTCC, c.874A>T, c.892del, c.892C>T, c.927delinsACA, c.1003del, c.1033_1036del, c.1050_1051del, c.1057A>T, c.1186del, c.1145del, c.1146dup, c.1222C>T, c.1297C>T, c.1372C>T, c.1447_1448del, c.1451C>G, c.1458dup, c.1514_1517del, c.1530C>A, c.1555G>T, c.1576C>T, c.1811_1812del, c.1828_1829del, c.1942del, c.1956dup, c.1992dup, c.2046del, c.2078C>G, c.2093del, c.2093C>G, c.2108del, c.2107_2108del, c.2207del, c.2260C>T, c.2291del, c.2315del, c.2394_2397dup, c.2411_2412dup, c.2464_2467del, c.2464del, c.2489C>G, c.2509C>T, c.2595dup, c.2626dup, c.2656C>T, c.2711del, c.2832T>A, c.283dup, c.2903del, c.2965dup, c.2997del, c.3040del, c.3084dup, c.3100A>T, c.3107C>G, c.3137C>A, c.3148G>T, c.3178del, c.3222_3223insT, c.3248del, c.3253del, c.3264del, c.3322A>T, c.3402_3403del, c.3410_3413del, c.3406G>T, c.3455C>G, c.3461_3462del, c.3482del, c.3485del, c.3534_3535del, c.3698T>G, c.3758_3759del, c.3788_3789del, c.3866_3869del, c.3895del, c.3937dup, c.3988G>T, c.4017C>A, c.4098_4101del, c.4143_4144del, c.4173_4174del, c.4335T>A, c.4335T>G, c.4455_4456dup, c.4502_4503dup, c.4511T>A, c.4512dup, c.4532_4533del, c.4550C>G, c.4570delinsTA, c.4593T>C, c.4663del, c.4684_4687del, c.4686del, c.4699C>T, c.4712C>A, c.4733G>A, c.4760_4763del, c.4806_4807del, c.4818_4819del, c.4893dup, c.4988_4991dup, c.5046_5047insTG, c.5087_5088del, c.5262C>A, c.5269del, c.5335C>T, c.5389_5392del, c.5580dup, c.5639_5642del, c.5679dup, c.5725dup, c.5739_5740del, c.5829dup, c.5982del, c.6027_6030del, c.6080_6083dup, c.6082C>T, c.6086_6087insT, c.6264_6267del, c.6317_6320del, c.6359T>G, c.6401_6404dup, c.6534_6535del, c.6565C>T, c.6571A>T, c.6576dup, c.6631G>T, c.6648_6649del, c.6701T>C, c.6707dup, c.6712del, c.6748C>T, c.6760_6761del, c.6796G>T, c.6811dup, c.6998del, c.7011_7012del, c.7013del, c.7047T>G, c.7102C>T, c.7106del, c.7198del, c.7327C>G, c.7400_7401insT, c.7459del, c.7617_7618del, c.7702del, c.7806dup, c.7825G>T, c.7841_7842dup, c.7850_7851del, c.7854del, c.7855del, c.7912dup, c.7913dup, c.7948dup, c.7967dup, c.868G>A, c.4253G>A, c.5507G>A, c.5567T>C, c.5566A>G, c.6275T>C, c.6620T>C, c.6632_6634del, c.6892C>T, c.6935G>T, c.7288T>C, c.7289A>G, c.7307C>T, c.7637T>C, c.7658T>G, c.4321G>T, c.4383G>A, c.6527T>C, c.6653_6655del, c.6892C>T, c.6893G>A, c.7012G>C, c.7168G>A, c.133C>T, c.150del, c.188C>A, c.456del, c.914C>A, c.922C>T, c.1320del, c.1345dup, c.1435C>T, c.1445_1448del, c.1513dup, c.1547dup, c.1672del, c.1753del, c.1808dup, c.1808del, c.1885C>T, c.2120del, c.2149_2150del, c.2389C>T, c.2422C>T, c.2479del, c.2479_2480del, c.2494C>T, c.2500C>T, c.2521C>T, c.2602C>T, c.2704_2707del, c.2773_2774del, c.3060_3063del, c.3316C>T, c.3439C>T, c.3425dup, c.3445C>T, c.3874G>T, c.4291C>T, c.4495C>T, c.4529dup, c.4543G>T, c.4560del, c.4593T>A, c.4606C>T, c.4636del, c.5044C>T, c.5167C>T, c.5174del, c.5214dup, c.5272C>T, c.5365C>T, c.5440C>T, c.5482C>T, c.5455C>T, c.5509C>T, c.6679_6682del, c.6952C>T, c.7219C>T, c.7306dup, c.7373_7374del, c.7439_7440del, c.7789del, c.7816dup, c.7834dup, c.7849C>T, c.5366G>A, c.6646T>C, c.6697G>A, c.6707A>T, c.2T>A, c.64+1G>A, c.86del, c.358+1G>T, c.358+5G>C, c.4581_458+2dup, c.459-2A>G, c.598C>T, c.610+1G>A, c.771+1G>A, c.772+1G>A, c.869-1G>A, c.1660C>T, c.3040C>T, c.3122+1G>T, c.3305-1G>A, c.3305-1G>T, c.4088-2A>T, c.4320+5G>A, c.4560+2_4560+5del, c.4560+1G>C, c.4643+1G>A, c.4643+1G>C, c.5011-1G>C, c.5225+2_5225+5del, c.5328+1G>A, c.5329-15A>G, c.5329-1G>C, c.5428-2A>G, c.5575-1G>A, c.6108+1G>C, c.6108+1G>T, c.6108+2T>C, c.6344-1G>A, c.6763+1G>A, c.6954+1G>A, c.6955-2A>C, c.7150C>T, c.7263+1G>A, c.7410+4A>G, c.1183C>T, c.3709C>T
		c.6787C>T, c.5664_5665insA, c.3508G>T, c.7198C>T, c.7078C>T, c.6758G>A, c.6667C>T, c.6659C>G, c.6622C>T, c.6450del, c.6424_6427del, c.6426_6427insTT, c.6272del, c.85C>T, c.4005+1G>A, c.5843del, c.5431C>T, c.5422_5423insA, c.5345del, c.5274G>A, c.4593_4594insG, c.4457del, c.4174C>T, c.4025_4027delinsTCT, c.3415_3416insC, c.3415del, c.3246_3247insA, c.2653_2654insC, c.2235_2236del, c.1835_1836insA, c.1668C>A, c.1041del, c.1021_1022insG, c.901G>T, c.1331G>A, c.6007C>T, c.5983_5984del, c.5930-1G>A, c.5930-2A>G
NR2F1	NM_005654.6	c.256T>C, c.262G>A, c.286A>G, c.289C>G, c.289C>T, c.290A>C, c.292T>C, c.307T>C, c.310G>A, c.319A>G, c.320A>G, c.323G>A, c.323G>T, c.335G>A, c.335G>C, c.339C>A, c.344G>C, c.403C>T, c.424C>G, c.424C>T, c.425G>T, c.755T>C, c.1115T>C, c.382T>C, c.425G>A, c.313G>A, c.1065C>G, c.1A>C, c.2T>C, c.82C>T, c.35T>G, c.359dup, c.463+1G>A, c.513C>G, c.729_730delinsCT, c.968_969del, c.991+2del, c.1083del, c.1117C>T, c.1197C>T, c.120del, c.121C>T, c.169C>T, c.208_211del, c.244C>T, c.278C>A, c.354_357del, c.427_429delinsTT, c.442A>T, c.827T>A, c.907C>T
NRAS	NM_002524.5	c.35G>A, c.34G>A, c.182A>G, c.179G>A, c.149C>T, c.179G>G, c.178G>A, c.173C>T, c.113_114insGGA, c.101C>T, c.71T>A, c.38G>A, c.35G>T, c.34G>T, c.34G>C
NSD1	NM_022455.5	c.880_881del, c.911C>A, c.983G>A, c.1014del, c.1034_1037dup, c.1046_1048delinsT, c.1077del, c.1207A>T, c.1216_1219del, c.1253T>A, c.1264dup, c.1288C>T, c.1299del, c.1327_1328del, c.1331del, c.1397C>G, c.1509delinsGA, c.1609_1610delinsC, c.1726_1727del, c.1739_1740del, c.1743del, c.1760del, c.1802dup, c.1816A>T, c.1854del, c.1981del, c.2048del, c.2047_2048del, c.2054dup, c.2064del, c.2097dup, c.2108del, c.2124_2127del, c.2152_2153del, c.2190_2191delinsG, c.2209dup, c.2256_2257del, c.2276C>A, c.2295del, c.2339C>A, c.2349del, c.2425dup, c.2493dup, c.2494A>T, c.2555_2556del, c.2575_2576del, c.2605dup, c.2613del, c.2615T>G, c.2636_2637del, c.2639del, c.2645C>G, c.2654C>A, c.2674del, c.2827del, c.2889_2890del, c.2915del, c.2948dup, c.2956del, c.2993T>A, c.2998del, c.3004_3007del, c.3031del, c.3038C>G, c.3046_3047del, c.3063_3064del, c.3109C>T, c.3145_3146dup, c.3185_3186del, c.3230C>G, c.3254del, c.3271dup, c.3274C>T, c.3293del, c.3295del, c.3364dup, c.3368del, c.3382dup, c.3383del, c.3386_3387del, c.3387_3389delinsGG, c.3418_3419del, c.3422del, c.3423_3424insCC, c.3451_3452del, c.3457C>T, c.3481C>T, c.3496del, c.3513dup, c.3548_3549insG, c.3548_3549insGA, c.3570dup, c.3575del, c.3578del, c.3580_3581insT, c.3581_3582delinsG, c.3631_3632delinsG, c.3659_3660del, c.3686C>G, c.3687del, c.3701T>G, c.3781dup, c.3788del, c.3818_3819del, c.3868del, c.3891del, c.3939dup, c.3940G>T, c.3968_3969dup, c.3985C>T, c.4002del, c.4055dup, c.4058_4061del, c.4076C>G, c.4124del, c.4213C>T, c.4216del, c.4220_4221del, c.4226_4229del, c.4242del, c.4282dup, c.4301dup, c.4301del, c.4361C>T, c.4365del, c.4376del, c.4444C>T, c.4493C>G, c.4514dup, c.4529del, c.4538_4539insTCCT, c.4569del, c.4636_4639del, c.4651A>T, c.4655T>A, c.4658del, c.4672dup, c.4702del, c.4705del, c.4732dup, c.4745del, c.4753G>T, c.4776del, c.4801del, c.4819_4820dup, c.4823dup, c.4825delinsGA, c.4882_4883insAA, c.4932dup, c.4949_4950del, c.5110dup, c.5143G>T, c.5243_5244del, c.5257A>T, c.5268C>A, c.5307G>A, c.5309G>A, c.5407_5410dup, c.5425C>T, c.5437_5440del, c.5502T>C, c.5506_5509del, c.5699del, c.5712del, c.5721dup, c.5724del, c.5726_5727del, c.5753_5754del, c.5790dup, c.5800C>T, c.5805C>A, c.5812A>T, c.5849T>G, c.5851C>T, c.5862G>A, c.5898_5899insG, c.5907_5908insA, c.5938G>T, c.5943del, c.5972_5973dup, c.5994del, c.6257dup, c.6310C>T, c.6344dup, c.4855T>A, c.4855T>G, c.5177C>G, c.5201T>C, c.5683T>C, c.5684G>A, c.5685C>G, c.5741G>C, c.5741G>T, c.5855G>A, c.5903T>C, c.5951G>C, c.6013C>G, c.6019A>T, c.6058A>T, c.6080G>C, c.6327A>T, c.6412T>A, c.6418A>G, c.6429C>G, c.6436T>C, c.6437G>A, c.6475T>A, c.6475T>C, c.6476G>A, c.6486T>G, c.6490T>C, c.6524G>T, c.6547T>A, c.6548G>C, c.6604T>A, c.6605G>T, c.6613C>T, c.6614A>G, c.4817G>A, c.4847A>G, c.5740C>T, c.5854C>T, c.5885T>C, c.5951G>A, c.5989T>C, c.5990A>G, c.6014G>A, c.6020T>C, c.6049C>T, c.6050G>A, c.6059A>G, c.6356A>G, c.6455G>A, c.6521_6523del, c.6557A>G, c.6605G>A, c.6614A>G, c.896del, c.1052C>G, c.1212_1213del, c.1262G>A, c.1310C>G, c.1456del, c.1492C>T, c.1654del, c.1702_1703insAG, c.1727dup, c.1768_1769del, c.1810C>T, c.1828C>T, c.1824del, c.1831C>T, c.1873G>T, c.1894C>T, c.2058T>A, c.2137dup, c.2167dup, c.2276C>G, c.2314del, c.2334dup, c.2350C>T, c.2362C>T, c.2386_2389del, c.2760_2763del, c.2808C>A, c.2954_2955del, c.2859dup, c.2996_2997insTTAA, c.3004_3005del, c.3031del, c.3067C>T, c.3091C>T, c.3146dup, c.3172C>T, c.3214C>T, c.3290T>A, c.3316dup, c.3383_3384del, c.3536del, c.3541_3544del, c.3548_3549del, c.3549dup, c.3839G>A, c.3958C>T, c.3964C>T, c.4057G>T, c.4108C>T, c.4217_4220del, c.4411C>T, c.4417C>T, c.4681C>T, c.4731_4732del, c.4883del, c.4977dup, c.5020del, c.5036C>G, c.5098C>T, c.5127G>A, c.5141C>G, c.5229G>A, c.5279_5282del, c.5296C>T, c.5332C>T, c.5342del, c.5445C>G, c.5474dup, c.5566C>T, c.5581C>T, c.5618_5619del, c.5768_5769del, c.5903del, c.5911del, c.5950C>T, c.5997_5998insT, c.6290dup, c.6307C>T, c.6311_6312del, c.6328C>T, c.6349C>T, c.6358G>T, c.4786T>A, c.4912C>T, c.4913A>G, c.4987C>T, c.5741G>A, c.6115C>T, c.6413G>A, c.1064-2A>G, c.1318C>T, c.3922-1G>C, c.4072C>T, c.4192+1G>A, c.4192+2T>G, c.4193-1G>A, c.4302+1G>A, c.4303-1G>C, c.4378+1G>A, c.4379-2A>G, c.4642-2A>G, c.4765+1G>A, c.4766-2A>G, c.4766-1G>A, c.4966+1G>A, c.5303+1G>A, c.5303+1G>C, c.5304-2A>G, c.5304-1G>C, c.5431C>T, c.5509+1G>A, c.5509+2T>G, c.5510-1G>A, c.5622+1G>A, c.5623-2A>G, c.5892+1del, c.5892+1G>A, c.5892+1G>T, c.5893-2A>G, c.5965C>T, c.6009+1G>T, c.6010-1G>A, c.6013C>T, c.6070C>T, c.6151+1G>A, c.6151+1G>T, c.6152-1G>A, c.6218dup, c.6258+1G>A, c.6258+1G>T, c.6291_6294del, c.6291del, c.6366del, c.6450dup, c.6454C>T, c.6463+1G>A, c.6471G>A, c.6472G>T, c.6559C>T, c.197dup, c.207C>A, c.788_789del, c.858del, c.1549C>T, c.3904C>T, c.6020_6021dup, c.6030del, c.6088_6089del, c.6094_6095dup, c.6112dup, c.6157G>T, c.6165del, c.6206_6209del, c.6256A>T
NSDHL	NM_015922.3	c.613G>A, c.130G>A, c.314C>T, c.208C>T, c.262C>T, c.451G>T, c.628C>T, c.727G>A
PACS1	NM_018026.4	c.607C>T, c.2656+1G>C
PIK3CA	NM_006218.4	c.328_330del, c.2740G>A, c.3140A>G, c.2176G>A, c.1624G>A, c.323G>A, c.1049A>G, c.1252G>A, c.1636C>A, c.241G>A, c.263G>A, c.278G>A, c.311C>T, c.331A>G, c.344G>C, c.353G>A, c.1030G>A, c.1031T>G, c.1035T>A, c.1048G>A, c.1090G>A, c.1093G>A, c.1133G>A, c.1258T>C, c.1345C>T, c.1359_1361del, c.1357A>T, c.1616C>G, c.1632_1633delinsAA, c.1633G>A, c.1634A>C, c.1635G>C, c.1635G>T, c.1637A>G, c.2908G>A, c.3012G>A, c.3061T>C, c.3073A>G, c.3074C>A, c.3104C>T, c.3127A>G, c.3127A>T, c.3128T>C, c.3129G>A, c.3129G>T, c.3139C>T, c.3140A>T, c.3145G>A, c.407dup, c.685del, c.2075del, c.2646dup
		c.1117G>A, c.1126A>G, c.1669G>T, c.572C>A, c.1359C>A
PIK3R2	NM_005027.4	
PPP2R1A	NM_014225.6	c.536C>A, c.539T>C, c.658G>A, c.536C>T, c.538A>G, c.544C>T, c.547C>T, c.773G>A, c.548G>A, c.655T>C, c.656C>T
PPP2R5D	NM_006245.4	c.619T>A, c.620G>C, c.621G>C, c.621G>T, c.592G>A, c.598G>A, c.619T>C, c.632A>C, c.7

RAD21	NM_006265.3	c.1306C>T, c.1222G>T, c.1142G>A, c.1045_1046insA, c.593_594insG, c.579_580insA, c.578T>A, c.548T>G, c.466C>T, c.233_234del, c.208A>T, c.193C>T, c.182_183insCT, c.1808T>C, c.1127C>G, c.1550_1551insC, c.1548delinsTC, c.943_946del, c.704del, c.593_594insAG, c.589C>T, c.1753T>C, c.1635del, c.1432C>T, c.1161+1G>A, c.85delinsCCT, c.628G>T
RAF1	NM_002880.4	c.1837C>G, c.1472C>T, c.1082G>C, c.788T>G, c.781C>T, c.776C>A, c.775T>G, c.775T>A, c.770C>T, c.769T>C, c.768G>T, c.742C>G, c.1457A>G, c.788T>C, c.788T>A, c.786T>A, c.785A>T, c.785A>G, c.782C>G, c.782C>A, c.781C>G, c.781C>A, c.778A>C, c.776C>T, c.775T>C, c.1679C>G, c.766A>G
RERE	NM_001042681.2	c.3785C>G, c.2278C>T, c.659del, c.248_249insA, c.4456G>T, c.4246C>T, c.4023_4024insT, c.3732del, c.3586C>T, c.3249_3250insG, c.2721_2722delinsAT, c.2271_2272insGG, c.1920del, c.1681_1684del, c.452_453insC, c.348del, c.73_74insGA
RIT1	NM_006912.6	c.284G>C, c.270G>T, c.270G>A, c.268A>G, c.265T>C, c.246T>G, c.246T>A, c.244T>C, c.229G>T, c.229G>C, c.229G>A, c.104G>C, c.69A>C, c.270G>C, c.247A>C, c.245T>G, c.245T>C, c.244T>G, c.244T>A, c.242A>G, c.241G>C, c.230C>G, c.170C>G, c.67A>C
RPS6KA3	NM_004586.3	c.1996C>T, c.1970C>G, c.1964del, c.1859del, c.1845del, c.1740del, c.1612del, c.1606del, c.1587T>G, c.1539_1542del, c.1308C>A, c.1155_1156del, c.1022del, c.958G>T, c.814del, c.770_773del, c.740_741insA, c.718_721del, c.646A>T, c.442del, c.432T>G, c.298A>T, c.251del, c.212_213insT, c.212T>G, c.185del, c.2186G>A, c.2185C>T, c.1762G>C, c.679T>G, c.566T>A, c.224G>T, c.1606G>T, c.709C>T, c.340C>T, c.1934G>A, c.1699C>T, c.1672C>T, c.1540C>T, c.1522C>T, c.1463_1464del, c.1304_1307del, c.1152del, c.932T>G, c.913C>T, c.898C>T, c.889_890del, c.817C>T, c.727C>T, c.451_452del, c.334C>T, c.327del, c.262_263insA, c.205G>T, c.2144del, c.201-2A>G, c.2065C>T, c.2005_2008del, c.1959+2del, c.1894C>T, c.1765-2A>C, c.1000-2A>G, c.846-2A>G, c.845+5G>A, c.774+1G>C, c.774+1G>A, c.632-1G>C, c.632-1G>A, c.632-2A>C, c.593+2_593+5del, c.486+3A>G, c.407-1G>T, c.406+1G>T, c.328C>T, c.326-1G>C, c.326-11A>G, c.243+1G>A
RUNX2	NM_001024630.4	c.436G>A, c.476G>A, c.506G>C, c.506G>A, c.539C>A, c.524T>G, c.572G>A, c.571A>G, c.597G>T, c.578G>A, c.652A>G, c.659C>T, c.668G>A, c.1085C>T, c.568C>T, c.569G>A, c.673C>T, c.674G>A, c.29dup, c.90dup, c.203delinsCG, c.274del, c.423+2del, c.423+2T>G, c.424-2A>G, c.424-1G>C, c.577C>T, c.581-1G>A, c.594_595delinsG, c.625C>T, c.739del, c.859+1G>C, c.860-1G>T, c.891G>A, c.901C>T, c.909C>G, c.1171C>T, c.1205dup, c.1208dup, c.1281del, c.1379dup, c.1385dup, c.90del, c.163C>T, c.184C>T, c.187C>T, c.211C>T, c.217del, c.274dup, c.371C>A, c.411del, c.422dup, c.516dup, c.617del, c.637_640dup, c.645_646del, c.765del, c.770_771del, c.823del, c.850C>T, c.912del, c.407T>C, c.190C>T, c.278T>A, c.329del, c.604del, c.636dup, c.868C>T, c.874_875del, c.884del, c.1081C>T, c.1182T>A, c.1191del
SATB2	NM_001172509.2	c.1543G>A, c.1286G>A, c.1204G>A, c.1195C>T, c.1175G>A, c.1166G>T, c.1175A>G, c.346G>C, c.346G>C, c.287T>G, c.185T>A, c.1196G>A, c.1174G>A, c.1165C>T, c.1946C>T, c.1166G>A, c.1942_1943del, c.1826_1827insGA, c.1826del, c.1756C>T, c.1741-1G>A, c.1728del, c.1627del, c.1624_1625insC, c.1610del, c.1592_1593insA, c.1515_1516insA, c.1515del, c.1504del, c.1495A>T, c.1477C>T, c.1474C>T, c.1393_1394insA, c.1375C>T, c.1314_1315insGGAG, c.1285C>T, c.1196del, c.1174-1G>A, c.1174-2A>G, c.1148del, c.1135C>T, c.1131_1132del, c.1105_1106insT, c.1016del, c.997C>T, c.955C>T, c.868C>T, c.847C>T, c.808_809del, c.805G>T, c.715C>T, c.700+1G>A, c.652A>T, c.643_644insSGT, c.622_623insA, c.598-2A>G, c.597+1G>A, c.581_584del, c.562C>T, c.553G>T, c.482del, c.474-2A>G, c.473+1G>A, c.346+1_346+2insAAGG, c.343C>T, c.337C>T, c.318T>G, c.163del, c.138del, c.124G>T, c.19_20insA, c.1654_1655del, c.1610_1611del, c.1606G>T, c.1569G>A, c.1330_1331insCCCA, c.1249del, c.1225C>T, c.1218_1221del, c.1153del, c.1103_1106del, c.925C>T, c.913C>T, c.895del, c.853C>T, c.823C>T, c.728C>G, c.722_723insA, c.721_722del, c.674G>A, c.630T>G, c.568_569insA, c.554del, c.553_554insT, c.550A>T, c.509G>A, c.430C>T, c.382del, c.369del, c.305del, c.225T>A, c.150del, c.115_116insA
SCN1A	NM_001165963.4	c.4794T>G, c.4783_4784del, c.4777_4778del, c.4764T>A, c.4693C>T, c.4681G>T, c.4656T>A, c.4571del, c.4562del, c.4554del, c.4549A>T, c.4548del, c.4541T>G, c.4539_4540insA, c.4521C>G, c.4515_4516del, c.4462del, c.4450_4453del, c.4444_4445insA, c.4380T>A, c.4374C>A, c.4372del, c.4359T>G, c.4348C>T, c.4333A>T, c.4318del, c.4302G>A, c.4301G>A, c.4279C>T, c.4269_4272del, c.4266T>C, c.4255G>T, c.4244_4245del, c.4236del, c.4223G>A, c.4205_4208del, c.4216_4217insG, c.4188C>A, c.4166del, c.4177_4180delinsTG, c.4073G>A, c.3997del, c.4024G>T, c.3971_3972insCT, c.3957_3958del, c.3905_3906insA, c.3897insG, c.3869T>A, c.3858G>A, c.3857G>A, c.3853_3854insT, c.3852del, c.3852G>A, c.3851G>A, c.3836_3837del, c.3829C>T, c.3828T>A, c.3783C>A, c.3783C>G, c.3812G>A, c.3813G>A, c.3813G>T, c.3730C>T, c.3776_3777insT, c.3757G>T, c.3726del, c.3631_3632insT, c.3657G>A, c.3726_3727insAT, c.3635_3636delinsA, c.3656G>A, c.3612G>A, c.3704del, c.3690_3691insT, c.3614G>A, c.3611G>A, c.3609del, 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SETBP1	NM_015559.3	c.242_243del, c.265C>T, c.314_315dup, c.408_409del, c.4400dup, c.514dup, c.623del, c.632del, c.666G>A, c.934C>T, c.1082_1083dup, c.1190C>A, c.1264C>T, c.1329del, c.1414_1417del, c.1661del, c.1684del, c.1827dup, c.1955_1956dup, c.2017_2018del, c.2087del, c.2406_2407delinsT, c.2425C>T, c.2480G>A, c.2516del, c.2671del, c.2681_2682del, c.2812del, c.2878_2879delinsG, c.3151dup, c.3198C>A, c.3725G>A, c.3731dup, c.3909T>A, c.2572G>A, c.2601C>A, c.2606G>A, c.2609G>A, c.2612T>G, c.2608G>A, c.2602G>A, c.427del, c.556C>T, c.821G>A, c.1568del, c.1408del, c.1630C>T, c.1633G>T, c.1676del, c.1821del, c.2982C>G, c.2612T>C, c.1588C>T, c.1876C>T, c.4009+2T>G, c.44dup, c.1596G>A, c.1765C>T, c.1777C>T, c.1873C>T, c.2016_2017insT, c.2464del, c.2665C>T, c.3032C>G
		c.6844_6845del, c.6325C>T, c.6069T>A, c.5945_5946insA, c.5761G>T, c.5521_5522del, c.5236G>T, c.5177del, c.4792C>T, c.4774C>T, c.4510_4511del, c.4486C>T, c.4180G>T, c.3918G>A, c.3671_3672insA, c.3439C>T, c.2749_2750insA, c.2743_2744insA, c.1828_1829del, c.1771C>T, c.1717_1720del, c.1321C>T, c.1289_1290del, c.1116_1119del, c.1048_1049del, c.913_914insA, c.5219G>A, c.5218C>T, c.6341del, c.5122C>T, c.4457_4460del, c.4375C>T, c.3814C>T, c.2303_2304del, c.2028del, c.1748_1751del, c.7438_7439insG, c.4454+1G>A, c.820C>T
SETD2	NM_014159.7	c.345dup, c.489dup, c.510del, c.536del, c.586C>T, c.588_591del, c.617G>A, c.648del, c.670del, c.759_760del, c.821del, c.829dup, c.875del, c.889_890del, c.891dup, c.891delinsAAG, c.896_897del, c.897del, c.977del, c.1006_1007del, c.1028dup, c.1029del, c.1087_1088del, c.1194_1195dup, c.1206T>A, c.1248del, c.1314_1315del, c.1416del, c.1441_1442insCTTG, c.1446del, c.1452dup, c.1474G>T, c.1483G>T, c.1495del, c.1498C>T, c.1540A>T, c.1566del, c.1609del, c.1623dup, c.1626del, c.1689del, c.1751C>G, c.1716_1717insC, c.1741_1742del, c.1744_1745del, c.1801del, c.1853del, c.1877C>G, c.1899_1902del, c.1915C>T, c.1918C>T, c.1931C>T, c.1959dup, c.1967C>T, c.1993del, c.2003C>G, c.2074del, c.2097dup, c.2102del, c.2113dup, c.2143C>T, c.2168T>A, c.2182del, c.2216_2217del, c.2279C>A, c.2305del, c.2340dup, c.2343_2344delinsTT, c.2356A>T, c.2359C>T, c.2386dup, c.2383C>T, c.2388_2389del, c.2395dup, c.2438dup, c.2474dup, c.2521G>T, c.2552del, c.2591dup, c.2686dup, c.2757dup, c.2784del, c.2788dup, c.2807_2809delinsAA, c.2881A>T, c.2909dup, c.2983C>T, c.2998dup, c.3016del, c.3038del, c.3172dup, c.3195del, c.3257del, c.3301C>T, c.3361del, c.3361C>T, c.3367_3368insG, c.3476_3477del, c.3526C>T, c.3556C>T, c.3571del, c.3586G>T, c.814C>T, c.1125dup, c.959del, c.1195A>T, c.1333C>T, c.1517dup, c.1573_1574del, c.1702_1703insT, c.1709_1710del, c.1710dup, c.1852C>T, c.1893_1894insA, c.1967del, c.1981del, c.2154del, c.2168dup, c.2177_2178del, c.2212_2213del, c.2268del, c.2508dup, c.2638G>T, c.2734C>T, c.3001C>T, c.3246del, c.3520C>T, c.988A>G, c.1043G>A, c.174T>A, c.922C>T, c.1077+1G>T, c.1390C>T, c.1441-2A>G, c.1441-1G>A, c.1525-1G>A, c.1525-1G>C, c.1783-2A>T, c.1783-1G>C, c.2104-1G>T, c.2302C>T, c.2347-7A>G, c.2347-1G>A, c.2644C>T, c.3214C>T, c.3631+1G>A, c.3631+1G>C, c.3631+1G>T, c.3783dup, c.3855dup, c.3858_3859del, c.670C>T, c.1081C>T, c.1612C>T, c.327T>A
SETD5	NM_001080517.3	c.345dup, c.489dup, c.510del, c.536del, c.586C>T, c.588_591del, c.617G>A, c.648del, c.670del, c.759_760del, c.821del, c.829dup, c.875del, c.889_890del, c.891dup, c.891delinsAAG, c.896_897del, c.897del, c.977del, c.1006_1007del, c.1028dup, c.1029del, c.1087_1088del, c.1194_1195dup, c.1206T>A, c.1248del, c.1314_1315del, c.1416del, c.1441_1442insCTTG, c.1446del, c.1452dup, c.1474G>T, c.1483G>T, c.1495del, c.1498C>T, c.1540A>T, c.1566del, c.1609del, c.1623dup, c.1626del, c.1689del, c.1751C>G, c.1716_1717insC, c.1741_1742del, c.1744_1745del, c.1801del, c.1853del, c.1877C>G, c.1899_1902del, c.1915C>T, c.1918C>T, c.1931C>T, c.1959dup, c.1967C>T, c.1993del, c.2003C>G, c.2074del, c.2097dup, c.2102del, c.2113dup, c.2143C>T, c.2168T>A, c.2182del, c.2216_2217del, c.2279C>A, c.2305del, c.2340dup, c.2343_2344delinsTT, c.2356A>T, c.2359C>T, c.2386dup, c.2383C>T, c.2388_2389del, c.2395dup, c.2438dup, c.2474dup, c.2521G>T, c.2552del, c.2591dup, c.2686dup, c.2757dup, c.2784del, c.2788dup, c.2807_2809delinsAA, c.2881A>T, c.2909dup, c.2983C>T, c.2998dup, c.3016del, c.3038del, c.3172dup, c.3195del, c.3257del, c.3301C>T, c.3361del, c.3361C>T, c.3367_3368insG, c.3476_3477del, c.3526C>T, c.3556C>T, c.3571del, c.3586G>T, c.814C>T, c.1125dup, c.959del, c.1195A>T, c.1333C>T, c.1517dup, c.1573_1574del, c.1702_1703insT, c.1709_1710del, c.1710dup, c.1852C>T, c.1893_1894insA, c.1967del, c.1981del, c.2154del, c.2168dup, c.2177_2178del, c.2212_2213del, c.2268del, c.2508dup, c.2638G>T, c.2734C>T, c.3001C>T, c.3246del, c.3520C>T, c.988A>G, c.1043G>A, c.174T>A, c.922C>T, c.1077+1G>T, c.1390C>T, c.1441-2A>G, c.1441-1G>A, c.1525-1G>A, c.1525-1G>C, c.1783-2A>T, c.1783-1G>C, c.2104-1G>T, c.2302C>T, c.2347-7A>G, c.2347-1G>A, c.2644C>T, c.3214C>T, c.3631+1G>A, c.3631+1G>C, c.3631+1G>T, c.3783dup, c.3855dup, c.3858_3859del, c.670C>T, c.1081C>T, c.1612C>T, c.327T>A
SHANK3	NM_001372044.2	c.496C>T, c.574A>T, c.682_683del, c.756_757del, c.957del, c.1294C>T, c.1682del, c.1758C>A, c.1839C>A, c.1914dup, c.2017_2020delinsCA, c.2290G>T, c.2371_2374del, c.2413_2414del, c.2439del, c.2514del, c.2730C>G, c.2799C>A, c.2799C>T, c.2830dup, c.2842C>T, c.2881del, c.2912dup, c.2931del, c.2935C>T, c.2951del, c.3114del, c.3123_3126del, c.3136G>T, c.3170del, c.3212del, c.3274del, c.3286del, c.3349del, c.3350del, c.3372del, c.3404del, c.3529C>T, c.3535C>T, c.3558del, c.3565delinsCC, c.3596dup, c.3610_3611del, c.3640dup, c.3809del, c.3818_3819insG, c.3823dup, c.3826dup, c.3828dup, c.3868G>T, c.3910dup, c.

SMARCE1	NM_003079.5	c.218A>G, c.227A>G, c.218A>C, c.541+1G>A, c.959del, c.816+1del, c.816+1G>T, c.714+1G>A, c.369+1G>T, c.369+1G>A, c.238-2A>G, c.237+1G>T, c.871C>T, c.808del, c.757C>T, c.751C>T, c.688C>T, c.683_685delinsT, c.673C>T, c.587del, c.585_586delinsA, c.554del, c.493G>T, c.472C>T, c.454_455delinsT, c.417C>G, c.411del, c.340G>T, c.328G>T, c.313C>T, c.248_249del, c.92del
SMCIA	NM_006306.4	c.3568A>G, c.3497A>C, c.3367C>T, c.3344G>T, c.3070A>T, c.2683C>G, c.2493_2495del, c.2341T>C, c.2078G>A, c.2046_2048del, c.1903C>T, c.1714C>T, c.1504G>A, c.1478A>C, c.802_804del, c.587G>A, c.586C>G, c.586C>T, c.421G>A, c.397T>G, c.128A>T, c.110G>T, c.3254A>G, c.3146G>A, c.2420G>A, c.2369G>A, c.2351T>C, c.2368C>T, c.2132G>A, c.2131C>T, c.1756C>T, c.1487G>A, c.1486C>T, c.1193G>A, c.3497A>G, c.3178G>A, c.2948A>G, c.2095C>T, c.3552_3553insGGCC, c.3508-2A>G, c.3437+1G>A, c.3249_3250insG, c.3181C>T, c.3151C>T, c.3145C>T, c.3123del, c.3103C>T, c.2973+1G>A, c.2923C>T, c.2873del, c.2853_2856del, c.2814_2815insT, c.2769_2770insC, c.2611C>T, c.2562+1G>A, c.2547del, c.2477del, c.2394_2395insA, c.2394del, c.2314-2A>T, c.2314-2A>G, c.2272C>T, c.2197G>T, c.2161C>T, c.1911+1G>T, c.1609del, c.1495C>T, c.1299del, c.1171C>T, c.1114-2A>G, c.855-2A>G, c.655del, c.616-2A>G, c.411+1G>C, c.157_158insA, c.116C>G, c.3283C>T, c.3255T>A, c.3119_3120insA, c.3040C>T, c.3022C>T, c.2899C>T, c.2872_2873insC, c.2845_2846insGATG, c.2437C>T, c.2398C>T, c.2173C>T, c.2146C>T, c.2122del, c.2076del, c.2069del, c.2039_2040del, c.2035G>T, c.1990del, c.1977del, c.1910del, c.1813_1814del, c.1785_1788del, c.1692_1693insT, c.1388_1389insC, c.1192C>T, c.1072_1073del, c.761del, c.733_734del, c.628C>T, c.583G>T, c.547_548del, c.547C>T, c.481del, c.392del, c.374del, c.371T>A, c.302del, c.52_53del, c.3362G>A, c.3115C>T, c.2364del, c.511C>T
SMC3	NM_005445.4	c.139T>C, c.562A>G, c.587T>C, c.703_705del, c.707G>A, c.707G>C, c.720_722del, c.859_861dup, c.1453_1455del, c.1464_1466del, c.1964G>A, c.1997G>C, c.2750A>C, c.3298G>T, c.3439C>G, c.3362C>T, c.778C>T, c.1812+1G>A
SOS1	NM_005633.4	c.508A>G, c.322G>A, c.1867T>A, c.1656G>C, c.1656G>T, c.1655G>T, c.1655G>C, c.1655G>A, c.1654A>T, c.1654A>G, c.1642A>C, c.806T>C, c.2536G>A, c.1294T>C, c.1294T>A, c.3134C>G, c.2197A>T, c.1649T>C, c.1644T>A, c.1322G>A, c.1310T>G, c.1310T>C, c.1300_1301delinsAA, c.1300G>C, c.1300G>A, c.1297G>A, c.925G>T, c.806T>G, c.797C>A, c.305C>G
SOS2	NM_006939.4	c.800T>G, c.800T>C, c.800T>A, c.791C>G, c.791C>A, c.1127C>G, c.1126A>T
SOX9	NM_000346.4	c.326T>C, c.327G>T, c.337A>T, c.339G>A, c.358C>G, c.491A>C, c.493C>T, c.494A>G, c.508C>A, c.508C>G, c.509C>T, c.526C>A, c.526C>T, c.227C>A, c.455G>C, c.337A>G, c.462C>G, c.472G>A, c.473C>T, c.508C>T, c.517A>G, c.527C>T, c.527C>G, c.296del, c.344G>C, c.359G>T, c.349C>T, c.432-2A>C, c.432-2A>T, c.442G>T, c.557_560del, c.583C>T, c.685+2T>C, c.686-2A>G, c.736dup, c.788dup, c.788del, c.855_858dup, c.1103dup, c.1249C>T, c.1320C>A, c.1320C>G, c.68del, c.436_437dup, c.517A>T, c.522C>A, c.522C>G
SPECC1L	NM_015330.6	c.1189A>C, c.3293G>A, c.3247G>A
SPTAN1	NM_001130438.3	c.6605_6607del, c.4828C>T, c.6619_6621del, c.6781C>T, c.415C>T, c.1006C>T, c.1086-2A>C, c.1879C>T, c.4615C>T, c.4936C>T, c.5832+1G>C, c.6367del, c.58dup, c.133C>T, c.315_316insA, c.466C>T, c.840dup, c.1347_1348del, c.1367G>A, c.1642C>T, c.1773_1774del, c.1834C>T, c.2401C>T, c.2860del, c.2961del, c.2988dup, c.3251_3252del, c.3279del, c.3292del, c.3388C>T, c.5468_5471del, c.5567_5568del, c.6019_6020del, c.6100C>T, c.6937dup, c.7225_7228dup
SRCAP	NM_006662.3	c.6985C>T, c.7303C>T, c.7330C>T, c.6208C>T, c.4557_4560del, c.55-1G>A, c.148del, c.435del, c.833del, c.1608_1611delinsCA, c.1793del, c.2518C>T, c.3833C>A, c.4648del, c.4925T>A, c.5102_5103del, c.5387del, c.5527del, c.5977_5980del, c.5984del, c.6889del, c.6901del, c.7000C>T, c.7189G>T, c.7215_7216del, c.7218dup, c.7219C>T, c.7220_7221del, c.7262dup, c.7275_7276del, c.7287C>A, c.7300G>T, c.7376del, c.7394del, c.7466C>G, c.7549del, c.7863dup, c.7937_7938del, c.8242C>T, c.777C>T, c.2471_2474dup, c.3269del, c.3628C>T, c.3738dup, c.4286_4287del, c.6709C>T
STAT3	NM_139276.3	c.2144C>T, c.2114A>G, c.1988C>T, c.1974G>T, c.1938C>G, c.1934T>A, c.1915C>G, c.1915C>A, c.1910T>C, c.1909G>T, c.1907C>A, c.1863C>A, c.1859C>G, c.1311C>A, c.1243G>A, c.1182G>A, c.1175A>G, c.1145G>T, c.1145G>C, c.1032G>C, c.1022C>T, c.988C>T, c.833G>A, c.454C>T, c.2147C>T, c.2134T>C, c.2117T>C, c.2116C>A, c.1979T>C, c.1976T>A, c.1974G>C, c.1970A>G, c.1909G>A, c.1865C>T, c.1858A>G, c.1699A>G, c.1397A>C, c.1387_1389del, c.1268G>A, c.1261G>A, c.1166C>T, c.1145G>A, c.1144C>T, c.1003C>T, c.995A>T, c.994C>T, c.1859C>T, c.1234A>T, c.832C>T
STXBP1	NM_001032221.6	c.1077G>C, c.145_148del, c.148_149del, c.225T>G, c.241G>T, c.260_261del, c.294del, c.298del, c.360del, c.374_375del, c.400_401del, c.420T>A, c.451_454del, c.463del, c.512_513del, c.520del, c.586A>T, c.636T>G, c.636T>G, c.639dup, c.661del, c.660_661del, c.662dup, c.685C>T, c.692dup, c.704_705insGG, c.7851del, c.792C>A, c.912_915del, c.915del, c.920_921del, c.956del, c.971del, c.980dup, c.989dup, c.1011C>G, c.1012C>T, c.1017del, c.1028del, c.1030del, c.1067del, c.1072del, c.1074C>A, c.1074C>G, c.1079del, c.1092dup, c.1092del, c.1153dup, c.1176del, c.1236del, c.1258G>T, c.1304del, c.1354dup, c.1360-1_1360insC, c.1392del, c.1419C>A, c.1427C>A, c.1470del, c.1492dup, c.1495_1496dup, c.1503T>A, c.1510del, c.1569_1570del, c.1570A>T, c.1574del, c.1588G>T, c.1593C>A, c.1597del, c.1606del, c.1607_1608del, c.1641_1642insC, c.122T>A, c.122T>G, c.125C>A, c.136A>G, c.164T>C, c.224A>C, c.236C>T, c.251T>A, c.416C>A, c.536T>A, c.539G>A, c.620A>G, c.701A>G, c.733C>A, c.733C>G, c.748C>G, c.767T>C, c.785A>T, c.874C>T, c.875G>C, c.875G>T, c.1060T>C, c.1060T>G, c.1216C>A, c.1216C>G, c.1227_1229del, c.1277T>G, c.1315A>T, c.1328T>G, c.1438C>T, c.1454T>A, c.1454T>C, c.1457T>G, c.1627G>C, c.1628G>A, c.1630G>C, c.1631G>A, c.1652G>C, c.1657G>C, c.1706C>T, c.57_59del, c.124T>C, c.175G>A, c.328T>C, c.416C>T, c.560C>T, c.568C>T, c.704G>A, c.734A>G, c.842T>C, c.875G>A, c.847G>A, c.1003C>T, c.1061G>A, c.1216C>T, c.1217G>A, c.1217G>T, c.1277T>C, c.1439C>T, c.1630G>T, c.1631G>T, c.1651C>A, c.1651C>T, c.1652G>A, c.1652G>T, c.107T>A, c.124del, c.157G>T, c.260_261dup, c.265del, c.148dup, c.345del, c.364C>T, c.388_389del, c.607C>T, c.616C>T, c.624del, c.703C>T, c.748C>T, c.754_755del, c.904G>T, c.993del, c.1095_1096del, c.1099C>T, c.1108C>T, c.1162C>T, c.1204del, c.1206del, c.1261G>T, c.1282C>T, c.1296dup, c.1387G>T, c.1427C>G, c.1434G>A, c.1565G>A, c.1557T>A, c.1631del, c.268G>C, c.430G>T, c.569G>A, c.703C>G, c.743C>T, c.1004C>T, c.37+1G>A, c.37+1G>C, c.87+1G>A, c.87+2T>C, c.88-2A>C, c.88-2A>G, c.169+1G>A, c.170-2A>G, c.170-1G>C, c.246+1G>C, c.247-1G>A, c.323_325+1del, c.325+2_325+3del, c.325+1G>A, c.325+2T>A, c.326-1G>T, c.429+1G>A, c.429+2T>G, c.430-1G>A, c.430-1G>T, c.578+1dup, c.578+1G>A, c.578+1G>T, c.579-2A>G, c.579-1G>A, c.579-1G>C, c.663+1G>A, c.663+1G>C, c.663+5G>A, c.665del, c.664-1G>A, c.664-1G>C, c.794+1G>A, c.794+5G>A, c.795-2A>C, c.795-1G>A, c.798T>G, c.817G>T, c.897_898del, c.902+1G>A, c.902+1G>C, c.963+1G>T, c.963+2T>C, c.1006C>T, c.1029+1G>A, c.1029+1G>C, c.1029+1G>T, c.1030-2A>G, c.1030-1G>T, c.1075C>T, c.1110+1G>A, c.1110+2T>G, c.1111-2A>G, c.1249+1G>A, c.1249+1G>C, c.1359+1G>A, c.1359+1G>T, c.1359+2T>C, c.1360-2A>C, c.1360-2A>G, c.1360-2A>T, c.1408G>T, c.1461+1G>T, c.1462-2A>C, c.1462-2A>G, c.1656C>A, c.1702+1G>A, c.1702+2T>C, c.1702+2T>G, c.1726C>T, c.898del
SYNGAP1	NM_006772.3	c.123del, c.200del, c.276del, c.355dup, c.366del, c.388C>T, c.457del, c.478del, c.539dup, c.604del, c.628_631dup, c.629_632dup, c.646C>T, c.654_655del, c.680dup, c.718_719del, c.725G>A, c.745del, c.761dup, c.847del, c.878del, c.883_884del, c.926del, c.1022_1023del, c.1089C>A, c.1117G>T, c.1127del, c.1136C>A, c.1139del, c.1144G>T, c.1160dup, c.1167del, c.1193del, c.1243G>T, c.1249_1252dup, c.1255G>T, c.1267del, c.1269T>A, c.1269T>G, c.1273_1274del, c.1284T>A, c.1296dup, c.1303_1304dup, c.1312del, c.1345dup, c.1393dup, c.1441_1444dup, c.1453del, c.1466_1469del, c.1492_1493del, c.1495del, c.1546del, c.1564del, c.1583delinsTG, c.1602_1603del, c.1641_1642del, c.1697_1700dup, c.1712C>A, c.1744del, c.1761del, c.1902del, c.2215G>T, c.2230C>T, c.2234del, c.2250dup, c.2266C>T, c.2354dup, c.2387dup, c.2387del, c.2418del, c.2446del, c.2450C>G, c.2454_2456delinsG, c.2494C>T, c.2516dup, c.2538dup, c.2539C>T, c.2591_2592del, c.2667del, c.2717del, c.2793_2794del, c.2946T>A, c.2955_2958del, c.2974del, c.2979dup, c.2982del, c.3025G>T, c.3078del, c.3133del, c.3138del, c.3141_3142del, c.3179del, c.3213del, c.3244C>T, c.3246delinsAA, c.3269dup, c.3303del, c.3319C>T, c.3322_3323del, c.3358_3359del, c.3384dup, c.3404_3407del, c.3415_3416del, c.3452_3453del, c.3454_3455del, c.3553A>T, c.3553A>G, c.3594C>G, c.3599dup, c.3606del, c.3632del, c.3642del, c.3672del, c.3685C>T, c.3732_3735del, c.3754C>T, c.3811G>T, c.922T>C, c.1531G>A, c.1531G>C, c.1652T>C, c.509G>A, c.1030G>A, c.1717C>T, c.199del, c.333del, c.384dup, c.410del, c.403C>T, c.412A>T, c.427C>T, c.472C>T, c.490C>T, c.535del, c.698_699dup, c.739C>T, c.781_784del, c.828dup, c.896del, c.936dup, c.937G>T, c.949del, c.1001del, c.1053del, c.1094del, c.1166C>A, c.1167_1168del, c.1235dup, c.1253_1254del, c.1393del, c.1576del, c.1685del, c.1716G>A, c.1721del, c.1735C>T, c.1783del, c.1792del, c.1823_1824del, c.1891C>T, c.1861C>T, c.1908_1909del, c.2059C>T, c.2104C>T, c.2197C>T, c.2209C>T, c.2272dup, c.2391_2392dup, c.2438del, c.2525_2528dup, c.2578_2579del, c.2602del, c.2726del, c.2764C>T, c.2899C>T, c.2916del, c.3036del, c.3060del, c.3073C>T, c.3124C>T, c.3179dup, c.3190C>T, c.3200del, c.3227del, c.3233_3236del, c.3277C>T, c.3377del, c.3406C>T, c.3415C>T, c.3508_3509del, c.3416dup, c.3534C>A, c.3471G>A, c.3505G>T, c.3706C>T, c.3592del, c.3718C>T, c.3722_3723del, c.1685C>T, c.3583-6G>A, c.67+1G>T, c.68-1G>A, c.190-2A>C, c.190-2A>G, c.1387+1G>A, c.388-2del, c.388-2A>C, c.388-2A>G, c.388-1G>C, c.509+1G>A, c.509+1G>T, c.510-2A>G, c.510-1G>A, c.663+1G>A, c.663+1G>T, c.763-1G>A, c.1386+1G>A, c.387T>del, c.1531+1del, c.1532-1G>A, c.1630C>T, c.1676+1G>A, c.1677-2A>G, c.1913+2_1913+5del, c.1913+1G>A, c.1913+2T>G, c.1914-1G>A, c.2294+1G>A, c.2294+1G>C, c.2294+1G>T, c.2323C>T, c.2755C>T, c.2782C>T, c.3061C>T, c.3408+1G>A, c.3408+1G>C, c.3408+1G>T, c.3583-9G>A, c.3795-1G>A, c.34_35del, c.43del, c.85_86del, c.99del, c.102C>A, c.223G>T, c.1618C>T, c.2293del
TBL1XR1	NM_024665.7	c.1336T>G, c.1336T>C, c.1108G>C, c.977G>T, c.943_945del, c.710G>A, c.209G>A, c.1337A>G, c.1108G>A, c.1043A>G, c.1000T>C, c.974G>A, c.86G>A, c.1291C>T, c.1250+2T>G, c.1048-1G>A, c.1047+1G>C, c.874_875insA, c.864+1G>A, c.807_808del, c.703-2A>G, c.597_600del, c.226C>T, c.1365_1366insCAGG, c.1192A>T, c.1183_1184insTT, c.1071G>A, c.1018_1021del, c.646C>T, c.626_629del, c.420_421insT, c.419_420insC, c.172_173del, c.64_65insT, c.1402_1403insACA, c.1109A>G, c.845T>C, c.799G>T, c.754T>C, c.734A>G, c.724A>C, c.1189del
TBX5	NM_181486.4	c.879T>A, c.760G>T, c.703G>T, c.674T>G, c.672del, c.652C>T, c.632_633insCGTT, c.611_612insA, c.595_596insA, c.593del, c.587C>G, c.538del, c.473_476del, c.466del, c.444G>A, c.443G>A, c.432_433insC, c.408C>G, c.400del, c.386_387insAGCC, c.341_342insA, c.337A>T, c.300del, c.278_279insG, c.261C>A, c.246del, c.238_239delinsT, c.202del, c.188del, c.178G>T, c.166del, c.164_165del, c.755C>G, c.710G>C, c.710G>A, c.709C>T, c.697G>C, c.694T>C, c.677A>G, c.676A>G, c.668C>T, c.658_660del, c.373G>C, c.253C>T, c.253C>A, c.238G>A, c.873C>A, c.835C>T, c.813_814del, c.765T>A, c.728_729del, c.727del, c.713_714insG, c.680_683del, c.635_636del, c.593_594insA, c.587C>A, c.537C>A, c.500del, c.496del, c.457_458insG, c.456del, c.436del, c.426del, c.416del, c.408C>A, c.342C>A, c.336del, c.262A>T, c.246_249del, c.192G>A, c.1221C>G, c.880G>T, c.756-1G>C, c.756-2A>G, c.755+2T>C, c.755+1G>T, c.755+1G>A, c.664-2A>G, c.510+1G>T, c.363-2A>G, c.243-1G>A, c.242+1G>A, c.205G>T, c.148-1G>C, c.148-2A>G, c.148-2A>C, c.105_106insC, c.105del, c.73_74insT, c.239G>A, c.868C>T, c.670C>T, c.295A>T, c.261C>G, c.154G>T, c.142C>T, c.119C>A, c.69del
TCF4	NM_001083962.2	c.1722_1723insCAAT, c.1663G>T, c.1553del, c.1552G>T, c.1505_1506insA, c.1504C>T, c.1486_1486+1insAG, c.1481_1482insA, c.1481_1482insAA, c.1471C>T, c.1462_1463insCTGA, c.1454_1455del, c.1357_1358insA, c.1356del, c.1304C>G, c.1304C>A, c.1295_1296del, c.1292del, c.1249del, c.1244del, c.1232_1233insCTAT, c.1203del, c.1171G>T, c.1169del, c.1144_1145del, c.1144_1145insC, c.1142_1143del, c.1139del, c.1138_1139insTAC, c.1135_1136insGT, c.1118_1119insC, c.1086G>A, c.1067C>A, c.1037C>G, c.1034del, c.975_976insG, c.931G>T, c.898del, c.887del, c.873C>G, c.795T>A, c.784_785insCA, c.776_777insCC, c.770_777lnsT, c.762del, c.755del, c.740_741insA, c.717del, c.696del, c.680G>A, c.677del, c.673del, c.670del, c.665_666insA, c.1165C>T, c.2010_2011del, c.1969_1970insGGCC, c.1965_1966insC, c.1957_1958del, c.1916_1917del, c.1899_1900insA, c.1879+1G>T, c.1879+1G>A, c.1876C>T, c.1849G>A, c.1841C>T, c.1826T>C, c.1813C>T, c.1777del, c.1741G>T, c.1739G>A, c.1738C>T, c.1733G>C, c.1733G>A, c.1732C>T, c.1727G>T, c.1727G>A, c.1726C>T, c.1720A>G, c.1711del, c.1705C>T, c.1650-2A>G, c.1570C>T, c.1557del, c.1527del, c.1504del, c.1498G>T, c.1486+2T>G, c.1486+2T>C, c.1486+1G>T, c.1486G>T, c.1438C>T, c.1414del, c.1351-1G>C, c.1328C>G, c.1267_1268del, c.1239_1240insT, c.1238del, c.1153C>T, c.1147-2A>G, c.1146+3A>G, c.1146+2T>C, c.1146+1G>A, c.1136_1137insT, c.1086del, c.1069+1G>T, c.1069+1G>C, c.1031del, c.991-1del, c.991-1G>A, c.991-2A>G, c.990+2T>C, c.990+1G>

TGFBR2	NM_003242.6	c.923T>C, c.1006T>A, c.1067G>C, c.1069G>T, c.1130A>G, c.1177T>C, c.1178G>A, c.1181G>A, c.1271A>G, c.1273A>G, c.1336G>A, c.1338T>G, c.1346C>T, c.1378C>A, c.1378C>G, c.1379G>A, c.1379G>C, c.1379G>T, c.1381T>C, c.1382G>A, c.1558T>C, c.1561T>C, c.1582C>G, c.1582C>T, c.1583G>A, c.1589C>G, c.1597T>C, c.1609C>T, c.1610G>C, c.363C>A, c.1396A+1G>T, c.1397-1G>A, c.1483C>T, c.1489C>T, c.1524G>A, c.1524A+1G>T, c.1524+2T>C, c.1531C>T, c.1562G>A, c.1563G>A, c.412T>C, c.1270T>C, c.1275G>A, c.1524A+1G>A, c.1525-1G>A, c.1526G>T, c.1447del
TRAF7	NM_032271.3	c.1111C>G, c.1673C>T, c.1801A>G, c.1570C>T
TRPS1	NM_014112.5	c.2893C>T, c.2786T>G, c.2740A>C, c.2726G>A, c.2894G>A, c.2795C>T, c.2794G>A, c.2762G>A, c.3400_3401insGAGG, c.3315C>G, c.2761C>T, c.2701-1G>A, c.2700+1G>A, c.2657C>A, c.2557C>T, c.2480_2481insT, c.2445_2446insG, c.2343_2344del, c.2194C>T, c.2152C>T, c.2096+2T>G, c.2096-1G>A, c.2086C>T, c.1882C>T, c.1870C>T, c.1693C>T, c.1630C>T, c.1176_1177insT, c.1093C>T, c.1053C>A, c.967-1G>T, c.787del, c.769C>T, c.2719del, c.2666del, c.2641del, c.2641C>T, c.2568T>G, c.2568C>T, c.2518_2519del, c.2453C>A, c.2421G>A, c.2374A>T, c.2300_2301del, c.2188C>T, c.2110del, c.2090_2091insA, c.1911del, c.1777G>T, c.1766_1767insA, c.1690C>T, c.1649_1650del, c.1649_1650insATTG, c.1561A>T, c.1505del, c.1427_1428insA, c.1402del, c.1387A>T, c.1382C>G, c.1373C>A, c.1230G>A, c.1210del, c.1180A>T, c.1176_1179del, c.1175_1176del, c.1163C>G, c.1088T>G, c.1017_1018insTTGC, c.964C>T, c.913C>T, c.877C>T, c.697C>T, c.615_616insAGAT, c.596del, c.489_492del, c.390del
TSC1	NM_000368.5	c.2851C>T, c.2818C>T, c.2806C>T, c.2786_2787del, c.2776C>T, c.2721del, c.2716C>T, c.2675_2676del, c.2671_2674del, c.2626G>T, c.2524C>T, c.2509_2512del, c.2507C>G, c.2456_2459del, c.2446A>T, c.2421_2422insT, c.2407del, c.2380C>T, c.2401G>T, c.2357del, c.2347C>T, c.2341C>T, c.2329del, c.2328_2329del, c.2304_2305insT, c.2291del, c.2268_2271del, c.2269G>T, c.2249G>A, c.2242C>T, c.2180_2181insCAGC, c.2173_2176del, c.2131C>T, c.2128C>T, c.2127del, c.2112T>A, c.2106delinsGT, c.2103_2106del, c.2101C>T, c.2082del, c.2080C>T, c.2023del, c.1996A>T, c.1987del, c.1960C>T, c.1942del, c.1890_1891insA, c.1886del, c.1883T>G, c.1876G>T, c.1857del, c.1851del, c.1825G>T, c.1812T>G, c.1749_1750del, c.1749del, c.1746_1747insT, c.1687del, c.1677C>A, c.1669del, c.1664del, c.1614del, c.1579C>T, c.1559del, c.1531_1532insA, c.1527del, c.1518del, c.1515_1516del, c.1515_1516insT, c.1503del, c.1501G>T, c.1481_1482insC, c.1462G>T, c.1443_1445delinsC, c.1431_1434del, c.1431_1432insA, c.1369del, c.1366_1367del, c.1364del, c.1338del, c.1326_1327del, c.1309_1310insC, c.1303C>T, c.1279del, c.1237del, c.1208C>A, c.1152del, c.1113_1114insAC, c.1110_1111insA, c.2894_2895insTT, c.2866C>T, c.2824C>T, c.2781_2784del, c.2771del, c.2744_2745insA, c.2699del, c.2699del, c.2699del, c.2680del, c.2674del, c.2674A>T, c.2672_2673insAA, c.2658del, c.2657_2658del, c.2656A>T, c.2652T>A, c.2649del, c.2641A>T, c.2640del, c.2635del, c.2632G>T, c.2612C>G, c.2605A>T, c.2599C>T, c.2595del, c.2593C>T, c.2590G>T, c.2559_2560insAA, c.2556del, c.2551C>T, c.2547del, c.2521_2522insG, c.2515_2518del, c.2543del, c.2440del, c.2405_2406insA, c.2387_2388insT, c.2374C>T, c.2360del, c.2340_2343del, c.2338A>T, c.2317del, c.2292_2293insT, c.2271del, c.2268_2269insA, c.2265_2266del, c.2257_2258insA, c.2249_2250insTG, c.2242del, c.2241_2242del, c.2239_2240insA, c.2225del, c.2215C>T, c.2213_2214insGA, c.2191del, c.2191G>T, c.2169del, c.2167del, c.2165del, c.2164A>T, c.2161del, c.2159del, c.2156del, c.2152_2153insAGCC, c.2151_2152insG, c.2141del, c.2140_2141insC, c.2140del, c.2132_2133insAGCA, c.2130_2131insG, c.2123_2124insA, c.2122A>T, c.2112T>G, c.2110_2111insT, c.2106_2107insT, c.2105_2106insCT, c.2101_2102del, c.2101del, c.2097_2098insC, c.2096del, c.2094del, c.2090del, c.2073_2074delinsTT, c.2065_2066insC, c.2039del, c.2033del, c.2027G>A, c.2006T>G, c.2001_2004del, c.2000_2001insT, c.1987G>T, c.1958_1959del, c.1951del, c.1944_1945insG, c.1939G>T, c.1936_1937insA, c.1918_1919insG, c.1911del, c.1898del, c.1896del, c.1888A>T, c.1876_1877insGAG, c.1872_1873insT, c.1858_1859del, c.1852_1853insCATC, c.1849del, c.1824_1825insTT, c.1816del, c.1811_1812insCGTA, c.1798C>T, c.1797del, c.1792_1793insA, c.1777A>T, c.1772_1773insC, c.1766del, c.1758del, c.1736del, c.1727del, c.1726_1727del, c.1724del, c.1713del, c.1703_1704insG, c.1702_1703del, c.1696_1697insTC, c.1693_1694insAA, c.1692_1693del, c.1679_1680insG, c.1675del, c.1674del, c.1662del, c.1624A>T, c.1607T>A, c.1569_1570delinsGTGAA, c.1546C>T, c.1541_1544del, c.1542_1543insG, c.1536_1537insTC, c.1535_1536del, c.1533_1534insT, c.1524C>G, c.1509_1510insT, c.1470del, c.1467del, c.1452del, c.1450A>T, c.1446_1447del, c.1441del, c.1432G>T, c.1416del, c.1412del, c.1389del, c.1388_1389insT, c.1388del, c.1382_1385del, c.1379del, c.1367_1368insT, c.1366_1367insGA, c.1336G>T, c.1331C>A, c.1324A>T, c.1301_1302insG, c.1270A>T, c.1257_1258insC, c.1249del, c.1229C>A, c.1228del, c.1201del, c.1200_1201del, c.1195_1196delinsTG, c.1192del, c.1172del, c.1166del, c.1165G>T, c.1162_1163del, c.1157del, c.1156del, c.1130_1131del, c.1125_1126insA, c.1109C>G, c.1073del, c.1057_1058insT, c.1030del, c.989_990del, c.973C>T, c.866C>G, c.825T>G, c.812_813del, c.813T>G, c.751G>T, c.749T>A, c.740G>A, c.694G>T, c.634_635del, c.587del, c.585C>G, c.574del, c.526_527insT, c.491G>A, c.445C>T, c.298C>T, c.276_277insA, c.271_272del, c.232G>T, c.146del, c.363+2_363+5del, c.363+1G>T, c.363+1G>A, c.211-1G>T, c.211-2A>C, c.2813+2T>G, c.2813+1G>C, c.2626-1G>A, c.2626-2A>G, c.2626-2A>C, c.2208+2T>A, c.2042-2A>G, c.2039_2041+1del, c.2041+1G>A, c.1998-1G>T, c.1998-1G>C, c.1998-2A>G, c.1998-2A>C, c.1997+2T>G, c.1997+1G>T, c.1997+1G>A, c.1439-1G>C, c.1439-1G>A, c.1264-1G>A, c.1264-2A>G, c.1141+1G>T, c.1141+1G>A, c.1030-2A>G, c.1029+3A>G, c.1029+2T>C, c.1029+1G>C, c.1029+1G>A, c.914-2A>G, c.913+2T>C, c.913+1G>T, c.738-1G>C, c.738-1G>A, c.738-2A>T, c.737+3A>G, c.737+1G>T, c.737+1G>insGG, c.737+2T>C, c.737+1G>T, c.664-1G>C, c.664-2A>G, c.663+1G>A, c.509-1G>C, c.509-1G>A, c.508+2T>C, c.508+1G>C, c.364-1G>T, c.364-1G>C, c.364-2A>G, c.210+1G>C, c.107-1G>C, c.107-1G>A, c.2497_2498insC, c.2487_2490del, c.2488C>T, c.2480_2481insTGCT, c.1047del, c.1041G>A, c.1033del, c.1005_1006insA, c.998del, c.997_998del, c.989_990insTT, c.988_989insGA, c.945_946insT, c.932del, c.912T>G, c.903_904insG, c.891del, c.850_851insC, c.846del, c.831del, c.809C>G, c.809C>A, c.793_794insGG, c.773_774insTA, c.749_751delinsAA, c.734_735insG, c.731del, c.721G>T, c.698T>G, c.661A>T, c.637_638insC, c.608del, c.599_600insT, c.583_584insGT, c.564del, c.562_563insC, c.561_562del, c.555C>G, c.555C>A, c.526del, c.507del, c.492G>A, c.486del, c.485C>A, c.461del, c.456del, c.451_455delinsTTTC, c.442A>T, c.4401del, c.398_399insT, c.389_390delinsT, c.354del, c.344del, c.343del, c.339del, c.337_338del, c.290_291del, c.275T>G, c.271del, c.261_262insA, c.260T>G, c.239_240del, c.218T>A, c.193C>T, c.191T>A, c.181_182insC, c.181del, c.163C>T, c.147C>G, c.139del, c.134T>A, c.129delinsAA, c.119_120insCTAT, c.111del, c.92del, c.664-15A>G
TSC2	NM_000548.5	c.551T>A, c.1085T>C, c.1283_1285del, c.1477C>G, c.1583T>C, c.2087G>A, c.2339T>C, c.2423T>C, c.2477T>C, c.2549T>C, c.2698T>G, c.3080T>C, c.3134C>T, c.3284G>A, c.3610G>A, c.3611G>A, c.4490C>T, c.4508A>C, c.4645T>C, c.4685T>C, c.4711T>C, c.4712A>G, c.4733T>C, c.4783G>A, c.4823_4825del, c.4842_4844del, c.4859A>T, c.4912_4914del, c.4919A>C, c.4919A>G, c.4927A>C, c.4936G>T, c.4943T>C, c.4951A>C, c.4966G>T, c.5012T>A, c.5043C>A, c.5045T>C, c.5126C>T, c.5150T>C, c.5227C>G, c.5228G>T, c.5231T>C, c.1636G>T, c.1630del, c.1649_1650insACAT, c.1741dup, c.1739_1740insT, c.1764_1765del, c.1837C>T, c.1845del, c.1844_1845del, c.1852del, c.1909_1912del, c.1927dup, c.1929C>A, c.1948G>T, c.1959_1960dup, c.1959_1960del, c.1957A>T, c.1987dup, c.2021_2022insA, c.2058C>A, c.2067_2068del, c.2082_2083delinsTT, c.2089_2090dup, c.2095C>T, c.2149del, c.2183dup, c.2233_2234del, c.2261del, c.2285T>A, c.2338del, c.2347del, c.2359G>T, c.2380C>T, c.2399dup, c.2407C>T, c.2470_2473del, c.2468dup, c.2525del, c.2539dup, c.2583del, c.2634del, c.2628dup, c.2660_2661del, c.2677dup, c.2713del, c.2721delinsAG, c.2729del, c.2765dup, c.2764_2765del, c.2774_2777delinsTC, c.2988del, c.3198dup, c.3220_3221delinsC, c.3236C>A, c.3251del, c.3254C>A, c.3259dup, c.3275del, c.3294del, c.3299del, c.3343C>T, c.3352C>T, c.3364del, c.3373del, c.3395C>A, c.3452_3455dup, c.3498dup, c.3509C>A, c.3523dup, c.3535G>T, c.3559del, c.3565dup, c.3582G>A, c.3624AG>A, c.3673del, c.3663_3664del, c.3682del, c.3738dup, c.3759del, c.3761C>A, c.3769del, c.3791del, c.3924dup, c.3937G>T, c.3997dup, c.3999del, c.4024C>T, c.4138C>T, c.4033A>T, c.4123_4124del, c.4164_4165del, c.4168G>T, c.4174del, c.4174C>T, c.4223del, c.4249del, c.4260_4261del, c.4276G>T, c.4283del, c.4287dup, c.4290G>A, c.4309_4312del, c.4316dup, c.4324del, c.4352dup, c.4351dup, c.4355C>A, c.4351del, c.4375del, c.4374_4375insT, c.4406C>A, c.4415del, c.4429_4430del, c.4473dup, c.4450_4451del, c.4470_4471delinsTT, c.4441_4442del, c.4472_4474delinsTT, c.4496dup, c.4515C>G, c.4537del, c.4541C>G, c.4572dup, c.4581dup, c.4582G>T, c.4654G>T, c.4589C>A, c.4660C>T, c.4667del, c.4695del, c.4672G>T, c.4697dup, c.4707C>G, c.4762C>T, c.4821del, c.4800_4801del, c.4830del, c.4829G>A, c.4873del, c.4870del, c.4878_4881del, c.4881del, c.4905C>A, c.5034C>A, c.5034del, c.5056C>T, c.5116dup, c.5127dup, c.5140C>T, c.1609dup, c.1628del, c.1642_1643del, c.1659C>G, c.1659C>G, c.1720A>T, c.1728C>G, c.1732dup, c.1753_1754del, c.1758_1759dup, c.1758_1759del, c.1761T>G, c.1762G>T, c.1768_1769delinsG, c.1771del, c.1791del, c.1804dup, c.1806C>G, c.1817del, c.1872delinsTT, c.1875_1876del, c.1881_1882del, c.1893dup, c.1929C>G, c.1934dup, c.1938C>A, c.1944del, c.1954G>C, c.1961del, c.1987del, c.1987_1988del, c.2009del, c.2031dup, c.2046del, c.2050del, c.2073_2074dup, c.2086_2089delinsCG, c.2088C>A, c.2098G>T, c.2102_2103del, c.2107dup, c.2113del, c.2127del, c.2157T>G, c.2160del, c.2166dup, c.2180dup, c.2180del, c.2184C>A, c.2191del, c.2231del, c.2257dup, c.2262dup, c.2265del, c.2318dup, c.2318T>G, c.2350A>T, c.2354_2355insC, c.2362_2363dup, c.2370C>A, c.2377G>T, c.2380dup, c.2381dup, c.2384dup, c.2392del, c.2393_2394dup, c.2399del, c.2411_2412delinsAA, c.2412C>A, c.2424_2426delinsT, c.2440G>T, c.2445dup, c.2479_2480delinsC, c.2491dup, c.2491_2492insAT, c.2492dup, c.2498del, c.2501C>G, c.2537del, c.2539_2540del, c.2548del, c.2566_2567insG, c.2574del, c.2579_2580del, c.2587G>T, c.2599dup, c.2616_2617delinsG, c.2623dup, c.2635_2636insA, c.2649_2651dup, c.2647C>T, c.2661_2664del, c.2677del, c.2687_2690dup, c.2700C>A, c.2702dup, c.2716A>T, c.2732del, c.2733del, c.2740_2741delinsG, c.2746del, c.2763_2764dup, c.2765del, c.2767_2769delinsCC, c.2772del, c.2827A>T, c.2832del, c.2968_2971dup, c.2972dup, c.2997_2998del, c.3020_3021delinsAA, c.3032del, c.3037del, c.3040dup, c.3058dup, c.3059_3060insCCAT, c.3104del, c.3127A>T, c.3132_3133insAGAC, c.3145G>T, c.3156del, c.3164del, c.3168del, c.3182_3183insAACC, c.3189del, c.3212_3213del, c.3221del, c.3239dup, c.3239del, c.3239T>C, c.3247del, c.3253delinsCC, c.3259del, c.3259G>T, c.3259G>T, c.3259G>T, c.3261delinsAA, c.3281C>A, c.3305_3306dup, c.3305_3306del, c.3307_3308insC, c.3310_3311del, c.3310C>T, c.3337del, c.3348_3349insAGCC, c.3361_3362delinsGACA, c.3373dup, c.3376dup, c.3376del, c.3385dup, c.3403del, c.3404del, c.3413_3414insC, c.3424del, c.3434del, c.3433_3437delinsGCA, c.3439dup, c.3448dup, c.3448del, c.3452del, c.3455del, c.3473dup, c.3497del, c.3505del, c.3509C>G, c.3547_3548delinsTA, c.3558T>G, c.3559dup, c.3565del, c.3578del, c.3586G>T, c.3592del, c.3620dup, c.3622dup, c.3623dup, c.3623del, c.3643_3644insTG, c.3648del, c.3653del, c.3653_3654del, c.3669del, c.3668del, c.3697_3698insGA, c.3699dup, c.3705del, c.3706dup, c.3712del, c.3727G>A, c.3736del, c.3739del, c.3747_3748del, c.3750C>A, c.3777del, c.3783del, c.3786dup, c.3904G>T, c.3917del, c.3935dup, c.3939del, c.3944dup, c.3944del, c.3950dup, c.3952G>T, c.3961G>T, c.3991del, c.4011del, c.4034_4035insCTTA, c.4057del, c.4061del, c.4067del, c.4078G>T, c.4079del, c.4081C>T, c.4090dup, c.4099_4100insT, c.4106_4109dup, c.4127dup, c.4129del, c.4135_4136del, c.4136C>A, c.4146del, c.4149dup, c.4207dup, c.4220_4221del, c.4244dup, c.4255_4256del, c.4263dup, c.4272dup, c.4279dup, c.4280del, c.4303G>T, c.4316del, c.4323dup, c.4323del, c.4324G>T, c.4338_4341dup, c.4345del, c.4344_4346delinsTT, c.4359del, c.4358_4359del, c.4369del, c.4371dup, c.4383del, c.4383C>G, c.4398_4401del, c.4399dup, c.4401_4402insT, c.4404_4407dup, c.4409dup, c.4410dup, c.4416del, c.4424del, c.4439dup, c.4437_4440delinsTTT, c.4440_4441insT, c.4441A>T, c.4470_4471del, c.4516del, c.4524del, c.4546_4549del, c.4566del, c.4568del, c.4573_4574del, c.4571C>A, c.4571C>G, c.4594C>T, c.4621del, c.4644del, c.4646del, c.4647T>A, c.4654_4655dup, c.4665dup, c.4665_4666insT, c.4705_4706dup, c.4730del, c.4736dup, c.4752del, c.4756del, c.4772del, c.4774del, c.4777dup, c.4803dup, c.4811del, c.4810_4811del, c.4824C>G, c.4827C>A, c.4836_4839dup, c.4844_4845dup, c.4883dup, c.4889dup, c.4905dup, c.4910dup, c.4913dup, c.4935dup, c.4935del, c.4950C>G, c.4952del, c.4954_4955insT, c.5003_5004del, c.5064_5065delinsTT, c.5081_5082insA, c.5086dup, c.5103_5104del, c.5108dup, c.5114_5117dup, c.5120dup, c.5154_5157dup, c.5176dup, c.5245G>A, c.2459_2461del, c.2197C>G, c.656T>C, c.707T>C, c.1229T>G, c.1865G>C, c.3197T>C, c.4489C>T, c.4603G>C, c.4628A>G, c.5167T>C, c.136A>T, c.220G>T, c.328C>T, c.352dup, c.364del, c.506del, c.567T>A, c.582C>G, c.646G>T, c.658C>T, c.706dup, c.724dup, c.782_783insT, c.894dup, c.935_936del, c.965C>A, c.972C>A, c.1047dup, c.1089del, c.1133_1136dup, c.1145_1146del, c.1177G>T, c.1195G>T, c.1210C>T, c.1221C>A, c.1258G>T, c.1267_1270del, c.1276del, c.1294C>T, c.1352_1353del, c.1487del, c.1492G>T, c.1565_1566dup, c.2859dup, c.2870dup, c.5017del, c.5075_5078del, c.5122del, c.5161del, c.5169dup, c.5204_5207dup, c.5212del, c.5219G>A, c.5220G>A, c.11dup, c.13del, c.16dup, c.139-2A>G, c.1119+1G>C, c.1444-2A>G, c.1444-1G>A, c.1717-2A>C, c.1717-1G>A, c.1717-1G>C, c.1948del, c.2098-2A>T, c.2220+1G>T, c.2358_2359del, c.2356-1G>C, c.3131+2T>A, c.3132-2A>C, c.3132-2A>G, c.3132-1G>A, c.3132-1G>T, c.3284+1G>A, c.3398-2A>G, c.3401del, c.3398-1G>C, c.3610+1G>A, c.3610+1G>C, c.3611-2A>G, c.3611-1G>C, c.3814+1G>C, c.3814+2T>G, c.4570-1G>A, c.4662+1G>A, c.4662+1G>C, c.5259+2T>G, c.5408_5409insG, c.136_138+1del, c.138+5G>A, c.226-2A>G, c.226-1G>A, c.337-2A>C, c.337-1G>

TUBA1A	NM_006009.4	c.1285G>C, c.1265G>A, c.1264C>T, c.1264C>A, c.1256C>T, c.1246G>A, c.1226T>C, c.1225G>A, c.1216C>T, c.1216C>G, c.1205G>T, c.1205G>A, c.1204C>T, c.1204C>A, c.1190T>C, c.1186G>T, c.1177C>T, c.1169G>C, c.1169G>A, c.1168C>T, c.1168C>G, c.1160C>T, c.1148C>T, c.1148C>A, c.1112T>A, c.1105G>A, c.1096G>A, c.998C>T, c.995T>C, c.978A>C, c.959G>A, c.958C>T, c.922C>T, c.920C>T, c.919C>T, c.908T>G, c.875C>T, c.856C>T, c.848A>G, c.818C>A, c.790C>T, c.787C>A, c.746A>G, c.703G>T, c.703G>C, c.657T>G, c.656T>C, c.655A>G, c.652G>T, c.641G>T, c.641G>A, c.640C>T, c.629A>G, c.626T>C, c.615C>A, c.545T>C, c.481T>G, c.481T>C, c.473C>T, c.467G>A, c.455T>A, c.431G>T, c.368G>A, c.367C>T, c.352G>C, c.352G>A, c.337G>A, c.321C>G, c.302A>G, c.283G>T, c.236G>A, c.215C>G, c.214C>T, c.209T>C, c.191G>A, c.190C>T, c.167C>T, c.163G>A, c.79G>C, c.74G>T, c.74G>A, c.53A>T, c.47T>C, c.5G>A, c.4C>A, c.791G>A, c.790C>G, c.521C>T, c.518C>T, c.449C>T, c.235C>T, c.82C>T, c.53A>G
TUBB	NM_178014.4	c.361C>T, c.895A>G, c.897G>A, c.1057G>A, c.1201G>A, c.860C>T
TUBB2A	NM_001069.3	c.1228G>A, c.1073C>T, c.1072C>A, c.1070C>T, c.1033A>T, c.785G>A, c.741C>G, c.689C>T, c.580G>A, c.293G>T, c.292G>C, c.872A>C, c.728C>T, c.533C>T, c.5G>A
TUBB4A	NM_006087.4	c.1228G>A, c.1172G>A, c.1164G>C, c.1164G>A, c.1162A>G, c.1062C>G, c.811G>A, c.785G>A, c.763G>A, c.745G>A, c.731G>T, c.730G>C, c.730G>A, c.539T>C, c.535G>C, c.533C>T, c.533C>G, c.467G>T, c.286G>A, c.4C>T, c.4C>G, c.1172G>T, c.1163T>C, c.538G>A
WDR45	NM_001029896.2	c.891_892insT, c.872_873insCCGT, c.797_798del, c.790_791insATCT, c.771_772del, c.770_771insA, c.672del, c.667_668del, c.657_658del, c.618_619insA, c.618del, c.616del, c.604del, c.599_600insT, c.561_562insCACG, c.510_511insA, c.501del, c.498_499del, c.488del, c.487G>T, c.457del, c.307A>T, c.244del, c.227del, c.213_214insTAGT, c.209del, c.180del, c.139_140insC, c.139C>T, c.236-21A>G, c.749_751del, c.884G>A, c.870C>G, c.879_880del, c.865C>T, c.777del, c.697C>T, c.659_660del, c.634C>T, c.598_599del, c.604C>T, c.584_585del, c.434_435insA, c.408_409insT, c.397C>T, c.371_372del, c.246G>A, c.225_226insA, c.436+5G>C, c.1004_1005del, c.974-1G>A, c.973+1G>A, c.966_967insT, c.828-2A>G, c.828-2A>C, c.827+5G>C, c.827+2_827+3del, c.827+1G>T, c.827+1G>C, c.827+1G>A, c.725+1G>T, c.517-2A>G, c.516+1_516+3del, c.516+2T>C, c.516+1G>T, c.516+1G>A, c.516G>C, c.508C>T, c.437-1G>A, c.437-2A>T, c.437-2A>G, c.437-2A>C, c.437-4_437-2delinsT, c.436+2T>G, c.436+2T>C, c.342-2A>C, c.340_341+2del, c.236-1G>T, c.235+1G>A, c.226G>T, c.131-2A>G, c.64del, c.55+2_55+3del, c.19C>T, c.574C>T, c.292G>T, c.81_82del, c.78_79del
ZBTB20	NM_001348800.3	c.1955A>T, c.1955A>G, c.1931C>T, c.1916G>T, c.1916G>A, c.1906T>C, c.1862T>G, c.1862T>C, c.1861C>T, c.1822T>C, c.1786C>T, c.1788C>G, c.1766C>A, c.1739G>A, c.1787A>G, c.1024del, c.918del, c.1734T>A, c.1727_1728insA, c.1431_1432insA, c.1412_1413insC, c.1350del, c.1256_1257insG, c.744C>G
ZC4H2	NM_018684.4	c.320_321del, c.637C>T, c.593G>A, c.592C>T, c.650A>G, c.575G>A, c.197T>A, c.187G>C, c.627G>C, c.617G>T, c.601C>T, c.275_276del, c.243_246del, c.199C>T, c.172G>T, c.148C>T, c.618C>A, c.561+1G>A, c.450_451insC, c.450del, c.427C>T, c.426G>A, c.225+2T>C, c.67C>T, c.22_23del
ZEB2	NM_014795.4	c.2986_2987del, c.2908C>T, c.2894T>A, c.2890G>T, c.2865C>G, c.2803_2804insA, c.2757del, c.2745del, c.2609C>A, c.2592del, c.2579_2580insCT, c.2577_2578insT, c.2467C>T, c.2404_2407del, c.2398_2399insT, c.2384del, c.2374_2375insT, c.2365del, c.2357_2358insT, c.2337del, c.2303del, c.2273_2274del, c.2242_2243insC, c.2214_2215insCTCC, c.2177_2178del, c.2177_2178insACTC, c.2142_2143del, c.2122del, c.2102C>A, c.2100C>G, c.2095C>T, c.2072G>A, c.2064del, c.2061del, c.2037del, c.2032del, c.2024del, c.1910C>A, c.1870A>T, c.1866_1867insC, c.1848del, c.1821_1824del, c.1806C>G, c.1792C>T, c.1770del, c.1747del, c.1703_1704insCTGA, c.1700_1703del, c.1687del, c.1653del, c.1648C>T, c.1630_1631del, c.1630_1631insA, c.1586del, c.1570_1571insA, c.1556del, c.1541_1542insC, c.1541_1542insA, c.1537del, c.1474A>T, c.1451C>A, c.1434C>A, c.1420C>T, c.1408_1409insA, c.1384_1385del, c.1364del, c.1349_1350del, c.1277T>A, c.1218del, c.1209del, c.1200_1201del, c.1138_1139insCTTA, c.1115del, c.1106T>A, c.1092_1093insCA, c.1038_1039del, c.1038del, c.997A>T, c.909_910insTTTC, c.904del, c.891_892delinsAT, c.876_877insA, c.874A>T, c.858del, c.855_856insA, c.846del, c.821_822insTAAC, c.789_790del, c.782_783del, c.776_777insA, c.769G>T, c.760_761del, c.703del, c.703G>T, c.696C>A, c.674C>A, c.639C>A, c.621_622insT, c.502C>T, c.498C>A, c.493G>T, c.441C>G, c.329del, c.313del, c.304_305insA, c.280G>T, c.247_248insG, c.234_235del, c.232del, c.194_195del, c.3218A>G, c.3211T>C, c.3178T>C, c.3170G>A, c.3134A>G, c.3133C>T, c.3023T>G, c.899A>G, c.2866C>T, c.2806del, c.2769C>G, c.2761C>T, c.2718del, c.2717del, c.2701C>T, c.2688_2689insA, c.2688_2689insCA, c.2555C>G, c.2501del, c.2453_2454insT, c.2425G>T, c.2228_2229del, c.2227del, c.2180del, c.2179_2180del, c.2177_2180del, c.2083C>T, c.2056G>T, c.1944del, c.1956C>A, c.1921del, c.1892del, c.1884del, c.1876G>T, c.1862del, c.1843C>T, c.1825G>T, c.1754del, c.1749C>A, c.1645A>T, c.1640C>G, c.1489C>T, c.1426_1427insA, c.1387del, c.1381C>T, c.1309C>T, c.1277T>G, c.1257del, c.1173_1176del, c.1170del, c.1168del, c.1102C>T, c.1052del, c.1027C>T, c.1017del, c.999del, c.980C>A, c.904C>T, c.857_858del, c.823C>T, c.805C>T, c.770_771del, c.761_762insAC, c.660C>G, c.656del, c.640_641insTGCC, c.553_554insTG, c.585del, c.481del, c.460del, c.432_433insT, c.425C>G, c.310C>T, c.236_239del, c.289del, c.3214C>T, c.3098del, c.3095del, c.3067+2T>G, c.3067+1G>A, c.3031del, c.3025C>T, c.3002del, c.2886+1G>A, c.1966_1967del, c.1467T>A, c.917-1G>A, c.917-2A>G, c.916+1G>T, c.916+1G>A, c.808-1G>T, c.808-2A>G, c.712G>T, c.625C>T, c.379del, c.350_351del, c.73+2T>G, c.73+2T>C, c.73+1del, c.73+1G>A, c.930C>A, c.363_364insGG, c.351_352insT, c.351T>A, c.175G>T