# Supplemental Information

## Table S1. Own Data CNVs

| SampleID | Status | Gender | Chr | Bp_Start | Bp_End | Bp_Length | Rs_Start | Rs_End | #del_SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 970557 | Affected | Male | 1 | 90624121 | 91406022 | 781902 | rs997077 | rs620760 | 134 | 1 |
| 20400 | Affected | Male | 1 | 233845760 | 234752676 | 906917 | rs10926264 | rs10925158 | 205 | 3 |
| 20459 | Affected | Female | 1 | 233845760 | 234774439 | 928680 | rs10926264 | rs1124907 | 207 | 3 |
| 11084 | Affected | Female | 1 | 233845760 | 234789801 | 944042 | rs10926264 | rs10754577 | 216 | 3 |
| 20475 | Affected | Male | 1 | 233850983 | 234789801 | 938819 | rs11800419 | rs10754577 | 215 | 3 |
| 60530 | Control | Female | 1 | 244476735 | 244995641 | 518907 | rs1361409 | rs4926440 | 91 | 3 |
| 970449 | Affected | Female | 1 | 245916096 | 247177330 | 1261235 | rs12402455 | rs6704311 | 142 | 1 |
| con094 | Control | Female | 1 | 995669 | 1111657 | 115989 | rs3934834 | rs11260549 | 20 | 3 |
| 72345 | Affected | Female | 1 | 9208308 | 9319247 | 110940 | rs10489436 | rs11121374 | 27 | 3 |
| 61675 | Control | Female | 1 | 39979097 | 40080306 | 101210 | rs580699 | rs230310 | 19 | 3 |
| 62019 | Control | Female | 1 | 54879395 | 55075307 | 195913 | rs1655524 | rs1544908 | 55 | 3 |
| 60334 | Affected | Male | 1 | 84784450 | 84906200 | 121751 | rs11164005 | rs11164034 | 27 | 3 |
| 52210 | Control | Male | 1 | 90293206 | 90440693 | 147488 | rs12079836 | rs10754298 | 56 | 3 |
| 61170 | Affected | Male | 1 | 112964565 | 113366167 | 401603 | rs3795820 | rs1728232 | 45 | 3 |
| 62664 | Control | Female | 1 | 144337336 | 144458820 | 121485 | rs4246521 | rs1284300 | 13 | 1 |
| 62458 | Control | Male | 1 | 144337336 | 144458820 | 121485 | rs4246521 | rs1284300 | 13 | 1 |
| 60191 | Control | Female | 1 | 144337336 | 144458820 | 121485 | rs4246521 | rs1284300 | 13 | 1 |
| 51857 | Affected | Male | 1 | 144337336 | 144458820 | 121485 | rs4246521 | rs1284300 | 13 | 1 |
| 970476 | Control | Female | 1 | 144337336 | 144458820 | 121485 | rs4246521 | rs1284300 | 13 | 3 |
| 61725 | Control | Female | 1 | 145251781 | 145394019 | 142239 | rs945742 | rs4950437 | 29 | 1 |
| 960500 | Affected | Male | 1 | 150726371 | 150990677 | 264307 | rs1199156 | rs1332506 | 44 | 3 |
| 62565 | Affected | Male | 1 | 150775186 | 150909784 | 134599 | rs1001149 | rs12096806 | 24 | 3 |
| con020 | Control | Male | 1 | 173697478 | 174005626 | 308149 | rs7547439 | rs640692 | 72 | 3 |
| 960434 | Affected | Female | 1 | 174809772 | 175085370 | 275599 | rs10489474 | rs12091765 | 51 | 1 |
| 62943 | Control | Female | 1 | 180249584 | 180536324 | 286741 | rs4418557 | rs2985431 | 72 | 3 |
| 61651 | Control | Male | 1 | 188554336 | 188712876 | 158541 | rs655598 | rs1171050 | 25 | 1 |
| 1337 | Affected | Male | 1 | 214000083 | 214171814 | 171732 | rs2797227 | rs12071635 | 61 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 61813 | Affected | Male | 1 | 214000083 | 214182331 | 182249 | rs2797227 | rs683804 | 64 | 1 |
| 60704 | Control | Male | 1 | 215771293 | 215961460 | 190168 | rs1930301 | rs12064774 | 33 | 1 |
| 61011 | Control | Female | 1 | 229771352 | 229879757 | 108406 | rs12040246 | rs6541281 | 23 | 3 |
| 50645 | Affected | Male | 1 | 229778112 | 229879757 | 101646 | rs1765782 | rs6541281 | 22 | 3 |
| 20350 | Affected | Male | 1 | 229813573 | 229917902 | 104330 | rs892356 | rs1934909 | 20 | 3 |
| 50329 | Affected | Male | 1 | 236719591 | 236840429 | 120839 | rs4659875 | rs2494076 | 52 | 4 |
| 61227 | Affected | Male | 1 | 236734032 | 236844151 | 110120 | rs7513497 | rs574819 | 52 | 3 |
| 20644 | Affected | Male | 1 | 243347970 | 243456870 | 108901 | rs4072543 | rs10924127 | 40 | 3 |
| 50334 | Affected | Male | 1 | 243587205 | 243770613 | 183409 | rs4498839 | rs9919234 | 80 | 1 |
| 60191 | Control | Female | 1 | 244279145 | 244523837 | 244693 | rs12751188 | rs7516664 | 55 | 1 |
| 60260 | Affected | Male | 1 | 199297930 | 199348566 | 50637 | rs2297903 | rs2281845 | 36 | 3 |
| 759 | Affected | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 1679 | Affected | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 1973 | Affected | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 51316 | Affected | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 70149 | Affected | Female | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 20608 | Affected | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 1 |
| 51961 | Control | Female | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 52328 | Control | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 980017 | Control | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 980026 | Control | Male | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 06D6216 | Control | Female | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 3 |
| 60106 | Control | Female | 1 | 12783336 | 12836483 | 53148 | rs1736763 | rs11810835 | 11 | 1 |
| 20371 | Affected | Male | 1 | 202530432 | 202593220 | 62789 | rs11240716 | rs3014614 | 25 | 3 |
| 60775 | Control | Male | 1 | 65708082 | 65772622 | 64541 | rs6588147 | rs1022981 | 14 | 1 |
| 52566 | Control | Female | 1 | 3533353 | 3601752 | 68400 | rs4648538 | rs3765731 | 14 | 3 |
| 62716 | Control | Female | 1 | 9232333 | 9302280 | 69948 | rs732950 | rs1294046 | 19 | 3 |
| 20601 | Affected | Male | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 20637 | Affected | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 30927 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 3 |
| 61023 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 3 |
| 61275 | Control | Male | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 71269 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 3 |
| 52220 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 60107 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 61034 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 72351 | Control | Female | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 980175 | Control | Male | 1 | 195089653 | 195163711 | 74059 | rs16840607 | rs4915318 | 10 | 1 |
| 06D6637 | Control | Female | 1 | 229771352 | 229846734 | 75383 | rs12040246 | rs12084975 | 17 | 3 |
| 20231 | Affected | Male | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 20356 | Affected | Male | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 41651 | Affected | Male | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 62940 | Affected | Male | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 30815 | Control | Male | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 52436 | Control | Female | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 970402 | Control | Female | 1 | 9243828 | 9319247 | 75420 | rs2268169 | rs11121374 | 20 | 3 |
| 51644 | Affected | Female | 1 | 2909010 | 2986462 | 77453 | rs6424065 | rs1569419 | 18 | 3 |
| 60234 | Control | Male | 1 | 57987244 | 58065209 | 77966 | rs10889070 | rs706411 | 23 | 1 |
| 20529 | Affected | Female | 1 | 9240988 | 9319247 | 78260 | rs3753163 | rs11121374 | 21 | 3 |
| 20686 | Affected | Male | 1 | 9240988 | 9319247 | 78260 | rs3753163 | rs11121374 | 21 | 3 |
| 20403 | Affected | Female | 1 | 154601735 | 154688278 | 86544 | rs2764406 | rs2477972 | 26 | 3 |
| 60807 | Affected | Male | 1 | 229791491 | 229879757 | 88267 | rs1612154 | rs6541281 | 21 | 3 |
| 11084 | Affected | Female | 1 | 222403259 | 222494884 | 91626 | rs10916370 | rs4654009 | 12 | 3 |
| 41877 | Affected | Male | 1 | 211097781 | 211193164 | 95384 | rs1047881 | rs2935214 | 27 | 3 |
| 11223 | Affected | Male | 2 | 381781 | 4176616 | 3794836 | rs12475610 | rs1983365 | 954 | 3 |
| 20404 | Affected | Male | 2 | 836164 | 1854799 | 1018636 | rs4533500 | rs4853754 | 209 | 3 |
| 50079 | Affected | Male | 2 | 6291555 | 6926633 | 635079 | rs6743687 | rs2712029 | 181 | 3 |
| 1793 | Affected | Male | 2 | 32487194 | 33183461 | 696268 | rs7609320 | rs11124305 | 155 | 3 |
| 51723 | Affected | Female | 2 | 32487194 | 33183461 | 696268 | rs7609320 | rs11124305 | 155 | 3 |
| con045 | Control | Male | 2 | 98267182 | 98904001 | 636820 | rs17428262 | rs908672 | 96 | 3 |
| 51358 | Control | Male | 2 | 220979372 | 222139227 | 1159856 | rs4553816 | rs3770143 | 252 | 3 |
| 52434 | Affected | Male | 2 | 19443 | 143302 | 123860 | rs4637157 | rs409572 | 18 | 3 |
| 06D6233 | Control | Female | 2 | 19443 | 232800 | 213358 | rs4637157 | rs10181051 | 35 | 1 |
| 11223 | Affected | Male | 2 | 19443 | 373458 | 354016 | rs4637157 | rs4374407 | 51 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 960454 | Affected | Female | 2 | 75793 | 232800 | 157008 | rs6713375 | rs10181051 | 30 | 1 |
| 52327 | Affected | Female | 2 | 143279 | 356410 | 213132 | rs408209 | rs958877 | 34 | 3 |
| 960039 | Affected | Male | 2 | 686317 | 904564 | 218248 | rs4517996 | rs4854431 | 41 | 3 |
| 70669 | Control | Female | 2 | 10529542 | 10768380 | 238839 | rs818169 | rs7422405 | 72 | 3 |
| 61205 | Control | Female | 2 | 10529542 | 10779639 | 250098 | rs818169 | rs12468286 | 73 | 3 |
| 980654 | Affected | Male | 2 | 10579817 | 10902815 | 322999 | rs12466300 | rs1734389 | 83 | 3 |
| 60107 | Control | Female | 2 | 29151876 | 29318933 | 167058 | rs7583117 | rs13391633 | 73 | 3 |
| 960101 | Affected | Male | 2 | 33068411 | 33178482 | 110072 | rs10181178 | rs218214 | 45 | 1 |
| 52609 | Control | Female | 2 | 33746267 | 34005364 | 259098 | rs13035680 | rs13414817 | 81 | 1 |
| con045 | Control | Male | 2 | 38114628 | 38313434 | 198807 | rs336037 | rs3856501 | 69 | 3 |
| 1826 | Affected | Male | 2 | 38424759 | 38862453 | 437695 | rs10198323 | rs1056104 | 84 | 3 |
| 61863 | Control | Female | 2 | 44432402 | 44611058 | 178657 | rs11680553 | rs10495919 | 41 | 1 |
| 70950 | Control | Female | 2 | 49071420 | 49193234 | 121815 | rs2072486 | rs11891561 | 43 | 1 |
| con084 | Control | Female | 2 | 50786446 | 50900862 | 114417 | rs1518548 | rs9309203 | 39 | 3 |
| 960224 | Affected | Male | 2 | 50786446 | 50900862 | 114417 | rs1518548 | rs9309203 | 39 | 3 |
| 20421 | Affected | Male | 2 | 51002576 | 51250922 | 248347 | rs7423296 | rs10490156 | 53 | 1 |
| 61723 | Affected | Female | 2 | 51024962 | 51255180 | 230219 | rs4971709 | rs964865 | 53 | 1 |
| 51713 | Affected | Male | 2 | 110186944 | 110292012 | 105069 | rs163667 | rs1154652 | 13 | 3 |
| 51318 | Affected | Male | 2 | 110186944 | 110292012 | 105069 | rs163667 | rs1154652 | 13 | 3 |
| 41452 | Affected | Male | 2 | 110186944 | 110292012 | 105069 | rs163667 | rs1154652 | 13 | 3 |
| 62247 | Control | Male | 2 | 110214532 | 110339819 | 125288 | rs6716800 | rs13386516 | 14 | 1 |
| 06D6232 | Control | Male | 2 | 110214532 | 110339819 | 125288 | rs6716800 | rs13386516 | 14 | 1 |
| 2050 | Affected | Male | 2 | 110214532 | 110339819 | 125288 | rs6716800 | rs13386516 | 14 | 1 |
| 60995 | Affected | Male | 2 | 110214532 | 110339819 | 125288 | rs6716800 | rs13386516 | 14 | 1 |
| 70947 | Affected | Male | 2 | 131198948 | 131668431 | 469484 | rs11680782 | rs1834274 | 60 | 1 |
| 20610 | Affected | Female | 2 | 141791627 | 141933237 | 141611 | rs6712429 | rs7605083 | 40 | 1 |
| 06D6369 | Control | Male | 2 | 148806584 | 148918245 | 111662 | rs1453317 | rs1446553 | 20 | 1 |
| 52377 | Control | Male | 2 | 160303373 | 160451108 | 147736 | rs4477859 | rs2271383 | 32 | 3 |
| 60805 | Control | Female | 2 | 160310116 | 160451108 | 140993 | rs5002908 | rs2271383 | 31 | 3 |
| con076 | Control | Female | 2 | 176852275 | 176957218 | 104944 | rs12151388 | rs2069172 | 14 | 3 |
| 62458 | Control | Male | 2 | 180481341 | 180592740 | 111400 | rs9288043 | rs262269 | 22 | 1 |
| 980182 | Affected | Male | 2 | 183398499 | 183724872 | 326374 | rs11902959 | rs3762477 | 57 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| con091 | Control | Male | 2 | 190701607 | 190970187 | 268581 | rs6718711 | rs11695439 | 51 | 3 |
| 62896 | Control | Male | 2 | 217671980 | 217876096 | 204117 | rs13405034 | rs4674141 | 35 | 1 |
| 61703 | Control | Female | 2 | 232913134 | 233017792 | 104659 | rs1554296 | rs790040 | 19 | 3 |
| 980008 | Affected | Male | 2 | 237695944 | 238189006 | 493063 | rs10195205 | rs13414926 | 144 | 3 |
| 60995 | Affected | Male | 2 | 237719636 | 238189006 | 469371 | rs7573090 | rs13414926 | 142 | 3 |
| 50669 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| con069 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 71080 | Control | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 06D6463 | Control | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| con075 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| con005 | Control | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 1493 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 11209 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 50858 | Affected | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 40624 | Affected | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 20506 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 60343 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 61577 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 1874 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 61283 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 51880 | Control | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 50570 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 62229 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 11372 | Affected | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 51223 | Control | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 60517 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 20637 | Affected | Female | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 1826 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 51913 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 50123 | Affected | Male | 2 | 242565979 | 242692820 | 126842 | rs12987376 | rs12469535 | 17 | 1 |
| 20350 | Affected | Male | 2 | 242583251 | 242692820 | 109570 | rs4973677 | rs12469535 | 11 | 1 |
| 20601 | Affected | Male | 2 | 80218805 | 80269145 | 50341 | rs11685504 | rs1530397 | 11 | 1 |

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| 61305 | Control | Female | 2 | 61068848 | 61121796 | 52949 | rs7564317 | rs2698189 | 13 | 3 |
| 970555 | Affected | Male | 2 | 212405787 | 212460438 | 54652 | rs16846917 | rs6727114 | 15 | 1 |
| 60106 | Control | Female | 2 | 55152021 | 55212659 | 60639 | rs2920881 | rs2968800 | 21 | 3 |
| 52049 | Control | Female | 2 | 105103586 | 105164724 | 61139 | rs3923277 | rs2679851 | 28 | 1 |
| 70038 | Affected | Male | 2 | 176907092 | 176968345 | 61254 | rs2689951 | rs7604433 | 10 | 1 |
| 71146 | Affected | Female | 2 | 50735657 | 50800548 | 64892 | rs1518551 | rs17501747 | 26 | 1 |
| 1494 | Affected | Female | 2 | 230755889 | 230822375 | 66487 | rs10755048 | rs9989899 | 20 | 3 |
| 60781 | Control | Male | 2 | 127426862 | 127493570 | 66709 | rs11887389 | rs934827 | 19 | 3 |
| 60692 | Affected | Female | 2 | 33528008 | 33595788 | 67781 | rs17013001 | rs4670648 | 50 | 3 |
| 60946 | Control | Male | 2 | 44360717 | 44432402 | 71686 | rs10194161 | rs11680553 | 13 | 1 |
| 61355 | Affected | Male | 2 | 84877865 | 84949992 | 72128 | rs1192396 | rs1000919 | 16 | 1 |
| 20603 | Affected | Male | 2 | 75290690 | 75366176 | 75487 | rs4853122 | rs2192926 | 25 | 1 |
| 20459 | Affected | Female | 2 | 74819098 | 74895392 | 76295 | rs7564471 | rs596064 | 18 | 3 |
| 50889 | Affected | Female | 2 | 33517854 | 33595788 | 77935 | rs604788 | rs4670648 | 53 | 1 |
| 51465 | Affected | Female | 2 | 241272567 | 241353054 | 80488 | rs4676385 | rs11690282 | 18 | 3 |
| 60691 | Affected | Male | 2 | 241272567 | 241353054 | 80488 | rs4676385 | rs11690282 | 18 | 3 |
| 62426 | Affected | Female | 2 | 241272567 | 241353054 | 80488 | rs4676385 | rs11690282 | 18 | 3 |
| 52188 | Control | Male | 2 | 241272567 | 241353054 | 80488 | rs4676385 | rs11690282 | 18 | 3 |
| 06D6444 | Control | Female | 2 | 241272567 | 241353054 | 80488 | rs4676385 | rs11690282 | 18 | 3 |
| 41199 | Affected | Female | 2 | 197857012 | 197940884 | 83873 | rs12619296 | rs788008 | 11 | 3 |
| 51544 | Affected | Male | 2 | 230722749 | 230807448 | 84700 | rs4973275 | rs11687292 | 39 | 1 |
| 06D6334 | Control | Female | 2 | 179853779 | 179941872 | 88094 | rs1907423 | rs7586173 | 43 | 3 |
| 62817 | Control | Female | 2 | 106468850 | 106556951 | 88102 | rs4362555 | rs11124120 | 17 | 3 |
| 647 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 1384 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 1653 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 10972 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 11211 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 11290 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 20532 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 20600 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 20638 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20653 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 51132 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 51316 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 52368 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 52572 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 52579 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 60260 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 60360 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61040 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61371 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61673 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61741 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61753 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 70586 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 70595 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 70856 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 70947 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 51637 | Affected | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 0 |
| 981050 | Affected | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 0 |
| 30721 | Control | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 50943 | Control | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 52210 | Control | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 52467 | Control | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 60955 | Control | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 61909 | Control | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 62570 | Control | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 71214 | Control | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 970406 | Control | Female | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 06D6297 | Control | Male | 2 | 242565979 | 242656041 | 90063 | rs12987376 | rs6740738 | 16 | 1 |
| 50164 | Affected | Female | 2 | 60856697 | 60952146 | 95450 | rs11687809 | rs842624 | 20 | 3 |
| 61577 | Control | Male | 2 | 60856697 | 60952146 | 95450 | rs11687809 | rs842624 | 20 | 3 |
| 61161 | Affected | Female | 2 | 110243431 | 110339819 | 96389 | rs3789735 | rs13386516 | 12 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30842 | Affected | Male | 2 | 241272567 | 241371118 | 98552 | rs4676385 | rs2288750 | 20 | 3 |
| 41727 | Affected | Male | 2 | 241272567 | 241371118 | 98552 | rs4676385 | rs2288750 | 20 | 3 |
| 30814 | Affected | Male | 3 | 353069 | 1551741 | 1198673 | rs7649544 | rs1000131 | 391 | 3 |
| 60837 | Control | Male | 3 | 491255 | 1203607 | 712353 | rs2729076 | rs3772360 | 159 | 3 |
| 20615 | Affected | Female | 3 | 491255 | 1635507 | 1144253 | rs2729076 | rs377914 | 395 | 1 |
| 11377 | Affected | Male | 3 | 16158866 | 16807832 | 648967 | rs7642249 | rs6442641 | 206 | 3 |
| con020 | Control | Male | 3 | 76254922 | 77652511 | 1397590 | rs1400237 | rs1447846 | 298 | 3 |
| 30927 | Control | Female | 3 | 118667838 | 120755573 | 2087736 | rs1698042 | rs626364 | 434 | 3 |
| 06D6347 | Control | Female | 3 | 139634661 | 140367414 | 732754 | rs1679153 | rs7626828 | 77 | 3 |
| 41451 | Affected | Female | 3 | 197219312 | 198828573 | 1609262 | rs6797622 | rs9917735 | 262 | 1 |
| 60837 | Control | Male | 3 | 135814 | 235896 | 100083 | rs1568086 | rs11721252 | 42 | 3 |
| 71146 | Affected | Female | 3 | 915698 | 1251092 | 335395 | rs2313182 | rs11925058 | 118 | 1 |
| 62246 | Affected | Male | 3 | 2125400 | 2406546 | 281147 | rs2729005 | rs1604553 | 117 | 1 |
| 60807 | Affected | Male | 3 | 3827866 | 4258763 | 430898 | rs9850004 | rs13088039 | 126 | 1 |
| 62347 | Control | Female | 3 | 4140733 | 4317353 | 176621 | rs795302 | rs310712 | 31 | 1 |
| 61333 | Control | Male | 3 | 4156750 | 4287735 | 130986 | rs952644 | rs310692 | 21 | 1 |
| 970449 | Affected | Female | 3 | 4156750 | 4303411 | 146662 | rs952644 | rs997828 | 26 | 1 |
| 960039 | Affected | Male | 3 | 4156750 | 4303411 | 146662 | rs952644 | rs997828 | 26 | 1 |
| 30844 | Affected | Male | 3 | 4187007 | 4315847 | 128841 | rs1017903 | rs310709 | 24 | 1 |
| 20620 | Affected | Male | 3 | 9154971 | 9454142 | 299172 | rs2675187 | rs2442825 | 99 | 3 |
| 70492 | Affected | Female | 3 | 11738001 | 11864365 | 126365 | rs11128570 | rs430373 | 33 | 3 |
| con043 | Control | Female | 3 | 11815903 | 12031308 | 215406 | rs1846206 | rs6776447 | 59 | 3 |
| 61020 | Control | Female | 3 | 35798283 | 35900876 | 102594 | rs3772397 | rs9869067 | 14 | 3 |
| 52434 | Affected | Male | 3 | 35798283 | 35900876 | 102594 | rs3772397 | rs9869067 | 14 | 3 |
| 20475 | Affected | Male | 3 | 35798283 | 35900876 | 102594 | rs3772397 | rs9869067 | 14 | 3 |
| con048 | Control | Male | 3 | 35798283 | 35913799 | 115517 | rs3772397 | rs10049409 | 16 | 3 |
| 70597 | Affected | Male | 3 | 35798283 | 35913799 | 115517 | rs3772397 | rs10049409 | 16 | 3 |
| 61011 | Control | Female | 3 | 35798283 | 35913799 | 115517 | rs3772397 | rs10049409 | 16 | 3 |
| 06D6852 | Control | Female | 3 | 35798283 | 35913799 | 115517 | rs3772397 | rs10049409 | 16 | 3 |
| con058 | Control | Male | 3 | 63160790 | 63572155 | 411366 | rs4234674 | rs6796563 | 155 | 3 |
| 30889 | Control | Female | 3 | 146962467 | 147228852 | 266386 | rs16857208 | rs988501 | 60 | 1 |
| 981079 | Control | Female | 3 | 146962467 | 147235163 | 272697 | rs16857208 | rs16857836 | 61 | 1 |

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| 71400 | Affected | Male | 3 | 151958110 | 152077375 | 119266 | rs1148369 | rs574445 | 19 | 3 |
| 20401 | Affected | Male | 3 | 152935130 | 153037439 | 102310 | rs1520132 | rs6440788 | 27 | 1 |
| 71400 | Affected | Male | 3 | 168700658 | 168806403 | 105746 | rs13060964 | rs9837095 | 14 | 1 |
| 51119 | Affected | Male | 3 | 178039364 | 178352192 | 312829 | rs9874964 | rs6443429 | 72 | 3 |
| 808 | Affected | Male | 3 | 198610700 | 198828573 | 217874 | rs7645524 | rs9917735 | 56 | 3 |
| 72345 | Affected | Female | 3 | 2187318 | 2237692 | 50375 | rs2728524 | rs1523314 | 21 | 3 |
| 20643 | Affected | Male | 3 | 57954807 | 58013383 | 58577 | rs1098018 | rs12634644 | 14 | 3 |
| 61542 | Affected | Male | 3 | 152997280 | 153056976 | 59697 | rs17204697 | rs10804755 | 13 | 1 |
| 60235 | Affected | Female | 3 | 192522868 | 192582767 | 59900 | rs4677722 | rs389765 | 29 | 3 |
| 62594 | Control | Male | 3 | 11846215 | 11907455 | 61241 | rs11551661 | rs9869051 | 21 | 1 |
| 970166 | Affected | Male | 3 | 152992947 | 153056976 | 64030 | rs6440786 | rs10804755 | 15 | 1 |
| 20686 | Affected | Male | 3 | 2494703 | 2559376 | 64674 | rs17014863 | rs7649181 | 25 | 1 |
| 71380 | Affected | Male | 3 | 2494703 | 2559376 | 64674 | rs17014863 | rs7649181 | 25 | 1 |
| con083 | Control | Female | 3 | 2494703 | 2559376 | 64674 | rs17014863 | rs7649181 | 25 | 1 |
| 11223 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 11323 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 61362 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 61818 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 70565 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 960224 | Affected | Male | 3 | 120211804 | 120284544 | 72741 | rs1369582 | rs16829334 | 14 | 3 |
| 61839 | Control | Male | 3 | 199219277 | 199298372 | 79096 | rs7648906 | rs9879842 | 11 | 3 |
| 60567 | Affected | Female | 3 | 156948185 | 157029968 | 81784 | rs358742 | rs382534 | 17 | 1 |
| 61357 | Affected | Male | 3 | 101833435 | 101916282 | 82848 | rs1144125 | rs591728 | 13 | 4 |
| 1973 | Affected | Male | 3 | 101833435 | 101916282 | 82848 | rs1144125 | rs591728 | 13 | 3 |
| 20404 | Affected | Male | 3 | 101833435 | 101916282 | 82848 | rs1144125 | rs591728 | 13 | 3 |
| 52040 | Affected | Male | 3 | 101833435 | 101916282 | 82848 | rs1144125 | rs591728 | 13 | 3 |
| 61138 | Affected | Female | 3 | 101833435 | 101916282 | 82848 | rs1144125 | rs591728 | 13 | 3 |
| 50167 | Affected | Male | 3 | 43260400 | 43343677 | 83278 | rs1320158 | rs17406718 | 10 | 3 |
| 11168 | Affected | Male | 3 | 62723037 | 62807270 | 84234 | rs1849473 | rs514606 | 35 | 1 |
| 70856 | Affected | Female | 3 | 152970596 | 153056976 | 86381 | rs11924077 | rs10804755 | 23 | 1 |
| 52579 | Affected | Female | 3 | 152976373 | 153067347 | 90975 | rs6787192 | rs9823831 | 23 | 1 |
| 980042 | Control | Male | 3 | 152944075 | 153037439 | 93365 | rs10513418 | rs6440788 | 26 | 1 |

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| 51516 | Control | Female | 3 | 120188854 | 120284544 | 95691 | rs1016284 | rs16829334 | 16 | 3 |
| 970516 | Control | Male | 3 | 2702523 | 2801568 | 99046 | rs1914009 | rs956764 | 56 | 3 |
| 62291 | Affected | Female | 4 | 7287993 | 7806279 | 518287 | rs1875341 | rs17466860 | 260 | 3 |
| 960150 | Affected | Male | 4 | 188329837 | 189282611 | 952775 | rs4862782 | rs6553155 | 184 | 1 |
| 30724 | Control | Male | 4 | 189124414 | 189766567 | 642154 | rs12644789 | rs723647 | 163 | 3 |
| 60625 | Affected | Female | 4 | 190271285 | 191164126 | 892842 | rs6841266 | rs13120250 | 106 | 1 |
| 10864 | Affected | Female | 4 | 190271285 | 191164126 | 892842 | rs6841266 | rs13120250 | 106 | 1 |
| 62945 | Control | Female | 4 | 190271285 | 191164126 | 892842 | rs6841266 | rs13120250 | 106 | 1 |
| 51326 | Affected | Female | 4 | 5737825 | 5845805 | 107981 | rs957727 | rs6826372 | 61 | 1 |
| 61498 | Control | Female | 4 | 9433717 | 9540060 | 106344 | rs11938128 | rs881971 | 44 | 3 |
| 20355 | Affected | Female | 4 | 40672691 | 40914549 | 241859 | rs12511584 | rs6811777 | 64 | 3 |
| 06D6461 | Control | Male | 4 | 74039112 | 74258327 | 219216 | rs11733810 | rs10035001 | 28 | 3 |
| 980185 | Control | Male | 4 | 75619179 | 75774745 | 155567 | rs1994941 | rs4333264 | 23 | 1 |
| 61307 | Control | Female | 4 | 107507898 | 107614425 | 106528 | rs2949646 | rs10516535 | 17 | 3 |
| 70631 | Affected | Female | 4 | 110249859 | 110364767 | 114909 | rs4368681 | rs17040097 | 23 | 1 |
| 52531 | Affected | Male | 4 | 125773305 | 126258785 | 485481 | rs12504009 | rs3956574 | 108 | 1 |
| 20541 | Affected | Male | 4 | 129993825 | 130147254 | 153430 | rs6847753 | rs2044523 | 25 | 3 |
| 51653 | Affected | Female | 4 | 135125711 | 135396155 | 270445 | rs4446382 | rs6822094 | 34 | 1 |
| 60246 | Affected | Male | 4 | 135141815 | 135396155 | 254341 | rs2132114 | rs6822094 | 33 | 1 |
| 62818 | Control | Male | 4 | 135141815 | 135396155 | 254341 | rs2132114 | rs6822094 | 33 | 1 |
| 60805 | Control | Female | 4 | 135141815 | 135396155 | 254341 | rs2132114 | rs6822094 | 33 | 1 |
| 51452 | Control | Male | 4 | 140709541 | 140816502 | 106962 | rs1026047 | rs8192049 | 44 | 3 |
| 52331 | Affected | Male | 4 | 157747697 | 158063231 | 315535 | rs939688 | rs10010472 | 54 | 1 |
| 980503 | Affected | Male | 4 | 162664217 | 162819468 | 155252 | rs13135134 | rs4532194 | 32 | 1 |
| 970879 | Control | Female | 4 | 165179254 | 165388371 | 209118 | rs4533720 | rs4561891 | 50 | 1 |
| 60895 | Control | Female | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 980654 | Affected | Male | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 20422 | Affected | Female | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 62309 | Control | Male | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 51656 | Control | Female | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 50079 | Affected | Male | 4 | 169051922 | 169224618 | 172697 | rs9994795 | rs7683178 | 47 | 1 |
| 06D6368 | Control | Female | 4 | 169051922 | 169298002 | 246081 | rs9994795 | rs4692861 | 60 | 1 |

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| 52289 | Control | Female | 4 | 169124671 | 169232743 | 108073 | rs7685473 | rs7694025 | 30 | 3 |
| 70860 | Affected | Male | 4 | 175712054 | 175847125 | 135072 | rs2877818 | rs1471817 | 41 | 3 |
| 10907 | Affected | Female | 4 | 177243037 | 177348934 | 105898 | rs12641442 | rs4690667 | 14 | 1 |
| 06D6318 | Control | Male | 4 | 187566239 | 187766898 | 200660 | rs2167370 | rs11941966 | 57 | 3 |
| 06D6464 | Control | Male | 4 | 188927301 | 189222487 | 295187 | rs13148546 | rs11132507 | 56 | 3 |
| 61706 | Affected | Male | 4 | 156894819 | 156954889 | 60071 | rs6838946 | rs17033585 | 15 | 3 |
| 60816 | Affected | Male | 4 | 70522949 | 70585964 | 63016 | rs11249452 | rs4694234 | 17 | 1 |
| 51716 | Affected | Male | 4 | 164154058 | 164232351 | 78294 | rs6536694 | rs11100479 | 15 | 3 |
| 970316 | Affected | Female | 4 | 130080159 | 130159225 | 79067 | rs13149221 | rs172168 | 14 | 1 |
| 61238 | Control | Male | 4 | 114955716 | 115035923 | 80208 | rs4446309 | rs7674158 | 20 | 1 |
| 62748 | Control | Female | 4 | 114955716 | 115035923 | 80208 | rs4446309 | rs7674158 | 20 | 1 |
| 06D6498 | Control | Female | 4 | 92408613 | 92489733 | 81121 | rs7694618 | rs6841781 | 20 | 3 |
| 785 | Affected | Male | 4 | 147428854 | 147514578 | 85725 | rs13140054 | rs2679144 | 14 | 3 |
| 990417 | Affected | Male | 4 | 91895424 | 91983955 | 88532 | rs6833239 | rs6822939 | 20 | 3 |
| 50503 | Affected | Male | 4 | 87987541 | 88082794 | 95254 | rs13149938 | rs6836128 | 13 | 3 |
| 11116 | Affected | Female | 5 | 10307117 | 11217361 | 910245 | rs2259642 | rs721768 | 253 | 3 |
| 71269 | Control | Female | 5 | 61453953 | 62068872 | 614920 | rs2910469 | rs16890998 | 75 | 3 |
| 62247 | Control | Male | 5 | 109730387 | 110330169 | 599783 | rs17132029 | rs1366331 | 69 | 1 |
| 10540 | Affected | Male | 5 | 168385055 | 169072475 | 687421 | rs6890327 | rs17736882 | 198 | 3 |
| 70626 | Affected | Male | 5 | 168397319 | 169057056 | 659738 | rs1059160 | rs2112705 | 183 | 3 |
| 61381 | Control | Male | 5 | 80564 | 196534 | 115971 | rs2135917 | rs13436090 | 15 | 3 |
| 60207 | Affected | Male | 5 | 23425010 | 23920197 | 495188 | rs6861038 | rs1490758 | 76 | 3 |
| 970516 | Control | Male | 5 | 34889541 | 34996272 | 106732 | rs4703480 | rs7719119 | 24 | 3 |
| 11404 | Affected | Female | 5 | 36245985 | 36348269 | 102285 | rs6881555 | rs1500218 | 24 | 3 |
| 805 | Affected | Male | 5 | 38326071 | 38539215 | 213145 | rs2042925 | rs3797161 | 64 | 3 |
| 30806 | Control | Female | 5 | 58661886 | 58781629 | 119744 | rs35255 | rs1457110 | 51 | 1 |
| 60356 | Affected | Female | 5 | 90009377 | 90254368 | 244992 | rs1033290 | rs3114653 | 58 | 1 |
| 06D6369 | Control | Male | 5 | 93574633 | 93898701 | 324069 | rs13163610 | rs6556847 | 54 | 1 |
| 70429 | Control | Female | 5 | 102188684 | 102461308 | 272625 | rs258247 | rs34813 | 31 | 1 |
| 30624 | Affected | Male | 5 | 104410795 | 104558803 | 148009 | rs6872400 | rs7709938 | 27 | 1 |
| 61542 | Affected | Male | 5 | 104410795 | 104562047 | 151253 | rs6872400 | rs974244 | 28 | 1 |
| con056 | Control | Female | 5 | 104460010 | 104562047 | 102038 | rs10057612 | rs974244 | 17 | 1 |

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| 20226 | Affected | Male | 5 | 104460010 | 104562047 | 102038 | rs10057612 | rs974244 | 17 | 1 |
| 70552 | Affected | Male | 5 | 109783199 | 110084156 | 300958 | rs311696 | rs151784 | 31 | 1 |
| 61345 | Control | Male | 5 | 157105919 | 157352660 | 246742 | rs6895563 | rs11135023 | 58 | 3 |
| 62688 | Control | Female | 5 | 177288649 | 177456843 | 168195 | rs4298268 | rs12652932 | 29 | 3 |
| 62688 | Control | Female | 5 | 177771474 | 177932053 | 160580 | rs11746864 | rs262065 | 61 | 3 |
| 51302 | Control | Male | 5 | 180441221 | 180623543 | 182323 | rs13167249 | rs1279912 | 40 | 3 |
| 20229 | Affected | Male | 5 | 59758639 | 59809368 | 50730 | rs37692 | rs1423473 | 17 | 3 |
| 20346 | Affected | Female | 5 | 59758639 | 59809368 | 50730 | rs37692 | rs1423473 | 17 | 3 |
| 61011 | Control | Female | 5 | 59758639 | 59809368 | 50730 | rs37692 | rs1423473 | 17 | 3 |
| 11083 | Affected | Male | 5 | 1395714 | 1448077 | 52364 | rs31489 | rs40184 | 14 | 3 |
| 51672 | Affected | Female | 5 | 104460010 | 104514704 | 54695 | rs10057612 | rs7701212 | 11 | 1 |
| 970232 | Control | Male | 5 | 1204161 | 1260527 | 56367 | rs3922757 | rs6554660 | 13 | 4 |
| 50052 | Affected | Male | 5 | 107276507 | 107333438 | 56932 | rs1433050 | rs6867577 | 29 | 1 |
| 1679 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 10540 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 20528 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 20541 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 20614 | Affected | Female | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 40006 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 52477 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 61463 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 61642 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 70583 | Affected | Female | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 960200 | Affected | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 52574 | Control | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 60946 | Control | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 62547 | Control | Female | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 62586 | Control | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| con017 | Control | Male | 5 | 104460010 | 104518786 | 58777 | rs10057612 | rs10043572 | 12 | 1 |
| 31009 | Control | Male | 5 | 110862078 | 110923874 | 61797 | rs2059041 | rs247544 | 14 | 1 |
| 20604 | Affected | Female | 5 | 151269891 | 151337257 | 67367 | rs1465555 | rs426783 | 19 | 3 |
| 20689 | Affected | Female | 5 | 115569462 | 115637451 | 67990 | rs6896019 | rs10071906 | 11 | 1 |

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| 70435 | Affected | Male | 5 | 151260601 | 151337257 | 76657 | rs2964607 | rs426783 | 20 | 3 |
| 61647 | Affected | Female | 5 | 90215480 | 90294340 | 78861 | rs6893164 | rs12522571 | 22 | 1 |
| 71266 | Control | Female | 5 | 33612359 | 33698773 | 86415 | rs3813474 | rs12516835 | 41 | 3 |
| 70591 | Affected | Male | 5 | 109723958 | 109814957 | 91000 | rs6594447 | rs11748623 | 16 | 1 |
| 61158 | Control | Female | 5 | 647083 | 738748 | 91666 | rs11739663 | rs386057 | 17 | 3 |
| 51371 | Affected | Male | 6 | 47748056 | 49783503 | 2035448 | rs869002 | rs189664 | 318 | 3 |
| 62907 | Affected | Male | 6 | 48429369 | 50454502 | 2025134 | rs6921664 | rs1492612 | 286 | 3 |
| 60714 | Control | Female | 6 | 80936857 | 81764229 | 827373 | rs6931421 | rs7744074 | 157 | 3 |
| 70869 | Affected | Male | 6 | 161988422 | 162491345 | 502924 | rs10945764 | rs713054 | 178 | 1 |
| 1502 | Affected | Male | 6 | 162591329 | 163106351 | 515023 | rs7770626 | rs4709649 | 148 | 3 |
| 06D7007 | Control | Female | 6 | 17696137 | 17872258 | 176122 | rs942465 | rs1044654 | 27 | 3 |
| 20600 | Affected | Male | 6 | 32677669 | 32785890 | 108222 | rs477515 | rs9275563 | 60 | 1 |
| 61464 | Control | Female | 6 | 34836231 | 35001376 | 165146 | rs9462014 | rs2504163 | 20 | 3 |
| 20474 | Affected | Male | 6 | 38621152 | 39041279 | 420128 | rs2748156 | rs1332012 | 114 | 1 |
| 61873 | Affected | Female | 6 | 39041279 | 39148632 | 107354 | rs1332012 | rs2235868 | 41 | 1 |
| 11139 | Affected | Male | 6 | 47927523 | 48176833 | 249311 | rs564351 | rs10948397 | 48 | 3 |
| 40580 | Affected | Female | 6 | 66025960 | 66203540 | 177581 | rs536372 | rs12192936 | 38 | 1 |
| 20227 | Affected | Male | 6 | 66025960 | 66203540 | 177581 | rs536372 | rs12192936 | 38 | 1 |
| 51444 | Affected | Male | 6 | 82839391 | 82940555 | 101165 | rs7454792 | rs197246 | 24 | 3 |
| 11288 | Affected | Male | 6 | 82839391 | 82940555 | 101165 | rs7454792 | rs197246 | 24 | 3 |
| 30976 | Control | Female | 6 | 106683679 | 106930232 | 246554 | rs7761791 | rs3851212 | 57 | 3 |
| 52044 | Affected | Male | 6 | 119023320 | 119138872 | 115553 | rs13220480 | rs11153771 | 26 | 3 |
| 60886 | Affected | Male | 6 | 125063391 | 125214187 | 150797 | rs9388359 | rs1409294 | 47 | 3 |
| 41991 | Affected | Male | 6 | 129410496 | 129555141 | 144646 | rs11154461 | rs9492268 | 25 | 1 |
| 62251 | Control | Male | 6 | 131771552 | 131939901 | 168350 | rs9483275 | rs2246012 | 36 | 3 |
| 2089 | Affected | Male | 6 | 135889916 | 136079920 | 190005 | rs9389295 | rs6930057 | 27 | 3 |
| 1352 | Affected | Male | 6 | 161600834 | 161734897 | 134064 | rs3823058 | rs12210160 | 38 | 4 |
| 61205 | Control | Female | 6 | 162379561 | 162611408 | 231848 | rs7738197 | rs11966606 | 90 | 1 |
| 52228 | Control | Female | 6 | 162403944 | 162611408 | 207465 | rs10046325 | rs11966606 | 78 | 1 |
| 980654 | Affected | Male | 6 | 162622524 | 162824155 | 201632 | rs9365397 | rs4493732 | 77 | 3 |
| 52213 | Affected | Male | 6 | 162629938 | 162903833 | 273896 | rs9364646 | rs2846561 | 105 | 1 |
| 62884 | Affected | Male | 6 | 162633417 | 162834976 | 201560 | rs9458499 | rs9346917 | 76 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 62662 | Control | Female | 6 | 162636531 | 162834976 | 198446 | rs952388 | rs9346917 | 75 | 3 |
| 52262 | Control | Male | 6 | 162636531 | 162951722 | 315192 | rs952388 | rs9364667 | 111 | 1 |
| 70056 | Affected | Male | 6 | 162637688 | 162824155 | 186468 | rs12197815 | rs4493732 | 72 | 3 |
| 70038 | Affected | Male | 6 | 162637688 | 162829925 | 192238 | rs12197815 | rs4709632 | 73 | 3 |
| 20230 | Affected | Male | 6 | 162637688 | 162829925 | 192238 | rs12197815 | rs4709632 | 73 | 3 |
| 970778 | Control | Female | 6 | 162637688 | 162834976 | 197289 | rs12197815 | rs9346917 | 74 | 3 |
| 1249 | Affected | Male | 6 | 162637688 | 162834976 | 197289 | rs12197815 | rs9346917 | 74 | 3 |
| 11127 | Affected | Male | 6 | 162637688 | 162834976 | 197289 | rs12197815 | rs9346917 | 74 | 3 |
| 11315 | Affected | Female | 6 | 162637688 | 162834976 | 197289 | rs12197815 | rs9346917 | 74 | 3 |
| 61470 | Affected | Male | 6 | 162685079 | 162789187 | 104109 | rs6455810 | rs4708959 | 40 | 1 |
| 61272 | Control | Male | 6 | 162824155 | 162956501 | 132347 | rs4493732 | rs1893119 | 40 | 1 |
| 06D6760 | Control | Male | 6 | 162886421 | 163119757 | 233337 | rs2846463 | rs13202401 | 50 | 3 |
| 71238 | Control | Female | 6 | 167524137 | 167688151 | 164015 | rs6904892 | rs9457309 | 63 | 3 |
| 61055 | Control | Male | 6 | 167534723 | 167690726 | 156004 | rs12665391 | rs2981988 | 62 | 3 |
| 06D6927 | Control | Female | 6 | 168078929 | 168301695 | 222767 | rs3800533 | rs1809698 | 103 | 3 |
| 980185 | Control | Male | 6 | 168078929 | 168319676 | 240748 | rs3800533 | rs9346529 | 109 | 3 |
| 70038 | Affected | Male | 6 | 168078929 | 168319676 | 240748 | rs3800533 | rs9346529 | 109 | 3 |
| 11357 | Affected | Female | 6 | 168078929 | 168326598 | 247670 | rs3800533 | rs9455975 | 116 | 3 |
| con019 | Control | Female | 6 | 168078929 | 168334983 | 256055 | rs3800533 | rs9283861 | 117 | 3 |
| 60206 | Affected | Male | 6 | 168078929 | 168334983 | 256055 | rs3800533 | rs9283861 | 117 | 3 |
| 70177 | Affected | Female | 6 | 168078929 | 168334983 | 256055 | rs3800533 | rs9283861 | 117 | 3 |
| 30803 | Affected | Male | 6 | 168078929 | 168340091 | 261163 | rs3800533 | rs6918784 | 120 | 3 |
| 61563 | Control | Male | 6 | 168078929 | 168340091 | 261163 | rs3800533 | rs6918784 | 120 | 3 |
| 1246 | Affected | Male | 6 | 168078929 | 168340091 | 261163 | rs3800533 | rs6918784 | 120 | 3 |
| 20654 | Affected | Male | 6 | 168078929 | 168340091 | 261163 | rs3800533 | rs6918784 | 120 | 3 |
| 60704 | Control | Male | 6 | 168078929 | 168340091 | 261163 | rs3800533 | rs6918784 | 120 | 3 |
| 06D6601 | Control | Male | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 62732 | Affected | Female | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 50858 | Affected | Female | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 51269 | Affected | Male | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 62309 | Control | Male | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 61257 | Control | Male | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20633 | Affected | Male | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 70895 | Affected | Female | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 62943 | Control | Female | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 1825 | Affected | Female | 6 | 168078929 | 168342182 | 263254 | rs3800533 | rs2306286 | 121 | 3 |
| 70492 | Affected | Female | 6 | 168086687 | 168319676 | 232990 | rs1132306 | rs9346529 | 108 | 3 |
| 20687 | Affected | Female | 6 | 168086687 | 168340091 | 253405 | rs1132306 | rs6918784 | 119 | 3 |
| 20541 | Affected | Male | 6 | 168086687 | 168340091 | 253405 | rs1132306 | rs6918784 | 119 | 3 |
| 70053 | Control | Male | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 980001 | Control | Male | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 60933 | Control | Female | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 62551 | Control | Female | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 30856 | Control | Male | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 52546 | Affected | Male | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 60086 | Control | Female | 6 | 168086687 | 168342182 | 255496 | rs1132306 | rs2306286 | 120 | 3 |
| 30790 | Control | Male | 6 | 168091860 | 168293188 | 201329 | rs9364371 | rs13220548 | 93 | 3 |
| 50080 | Affected | Female | 6 | 168091860 | 168340091 | 248232 | rs9364371 | rs6918784 | 118 | 3 |
| 71133 | Affected | Female | 6 | 168091860 | 168342182 | 250323 | rs9364371 | rs2306286 | 119 | 3 |
| 70626 | Affected | Male | 6 | 168091860 | 168342182 | 250323 | rs9364371 | rs2306286 | 119 | 3 |
| 31008 | Control | Female | 6 | 168091860 | 168342182 | 250323 | rs9364371 | rs2306286 | 119 | 3 |
| 980172 | Affected | Female | 6 | 168091860 | 168342182 | 250323 | rs9364371 | rs2306286 | 119 | 3 |
| con047 | Control | Female | 6 | 168122631 | 168342182 | 219552 | rs9346516 | rs2306286 | 116 | 3 |
| con064 | Control | Female | 6 | 168122631 | 168342182 | 219552 | rs9346516 | rs2306286 | 116 | 3 |
| con070 | Control | Female | 6 | 168183489 | 168319676 | 136188 | rs2073632 | rs9346529 | 69 | 3 |
| 20600 | Affected | Male | 6 | 168322151 | 168781519 | 459369 | rs7751205 | rs4708481 | 136 | 3 |
| 61755 | Control | Male | 6 | 161853925 | 161904684 | 50760 | rs16892673 | rs6909754 | 32 | 3 |
| 70414 | Control | Female | 6 | 38398246 | 38450140 | 51895 | rs16890552 | rs4711542 | 14 | 1 |
| 61649 | Control | Female | 6 | 119104805 | 119157274 | 52470 | rs13214017 | rs12190347 | 21 | 1 |
| 52436 | Control | Female | 6 | 62683938 | 62740028 | 56091 | rs16900602 | rs1516709 | 16 | 3 |
| 10160 | Affected | Male | 6 | 161848346 | 161904684 | 56339 | rs508605 | rs6909754 | 36 | 3 |
| 51713 | Affected | Male | 6 | 10577812 | 10636780 | 58969 | rs645297 | rs560194 | 36 | 1 |
| 61088 | Control | Male | 6 | 10577812 | 10636780 | 58969 | rs645297 | rs560194 | 36 | 1 |
| 50079 | Affected | Male | 6 | 35610180 | 35670618 | 60439 | rs9380516 | rs3798346 | 12 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20371 | Affected | Male | 6 | 10575681 | 10636780 | 61100 | rs796102 | rs560194 | 38 | 1 |
| 11081 | Affected | Male | 6 | 162824155 | 162886421 | 62267 | rs4493732 | rs2846463 | 20 | 1 |
| 70746 | Affected | Male | 6 | 162824155 | 162886421 | 62267 | rs4493732 | rs2846463 | 20 | 1 |
| 51880 | Control | Female | 6 | 10577812 | 10640172 | 62361 | rs645297 | rs681282 | 37 | 1 |
| 20399 | Affected | Female | 6 | 10572011 | 10636780 | 64770 | rs501436 | rs560194 | 40 | 1 |
| 11357 | Affected | Female | 6 | 169768336 | 169833634 | 65299 | rs12111411 | rs7750758 | 12 | 1 |
| 50960 | Affected | Male | 6 | 65996954 | 66065824 | 68871 | rs2788907 | rs9354219 | 14 | 1 |
| 62160 | Affected | Female | 6 | 89348510 | 89417599 | 69090 | rs1923416 | rs2756382 | 14 | 3 |
| 62356 | Control | Male | 6 | 168588370 | 168660249 | 71880 | rs7741920 | rs2763239 | 23 | 1 |
| 51438 | Affected | Male | 6 | 2154576 | 2227746 | 73171 | rs234915 | rs12664420 | 16 | 3 |
| 70282 | Control | Male | 6 | 162431244 | 162506056 | 74813 | rs9347586 | rs2849576 | 26 | 1 |
| 1352 | Affected | Male | 6 | 161521152 | 161597624 | 76473 | rs3798923 | rs3757031 | 33 | 3 |
| 72609 | Affected | Male | 6 | 124313139 | 124391083 | 77945 | rs235667 | rs17086515 | 30 | 1 |
| 61053 | Control | Male | 6 | 124313139 | 124391083 | 77945 | rs235667 | rs17086515 | 30 | 1 |
| 980175 | Control | Male | 6 | 124313139 | 124391083 | 77945 | rs235667 | rs17086515 | 30 | 1 |
| 51760 | Affected | Male | 6 | 44971084 | 45054441 | 83358 | rs7754378 | rs2396369 | 18 | 3 |
| 60363 | Control | Female | 6 | 168229155 | 168316008 | 86854 | rs10455755 | rs4708679 | 48 | 3 |
| 61879 | Affected | Male | 6 | 31468368 | 31559455 | 91088 | rs2523477 | rs2905747 | 66 | 3 |
| 70597 | Affected | Male | 6 | 31468368 | 31559455 | 91088 | rs2523477 | rs2905747 | 66 | 3 |
| 70245 | Affected | Male | 6 | 31468368 | 31559455 | 91088 | rs2523477 | rs2905747 | 66 | 1 |
| 61701 | Control | Female | 6 | 31468368 | 31559455 | 91088 | rs2523477 | rs2905747 | 66 | 3 |
| 06D6467 | Control | Female | 6 | 31468368 | 31559455 | 91088 | rs2523477 | rs2905747 | 66 | 3 |
| 20498 | Affected | Male | 6 | 168224721 | 168316008 | 91288 | rs7753203 | rs4708679 | 49 | 3 |
| 52497 | Control | Female | 6 | 162852454 | 162951722 | 99269 | rs13194743 | rs9364667 | 31 | 1 |
| 20506 | Affected | Male | 7 | 38759768 | 39260567 | 500800 | rs3779127 | rs10242061 | 97 | 3 |
| 62807 | Control | Female | 7 | 87999670 | 89718885 | 1719216 | rs6977770 | rs10240790 | 371 | 3 |
| 62376 | Affected | Male | 7 | 88186382 | 89722103 | 1535722 | rs1966296 | rs11563921 | 339 | 3 |
| 31077 | Affected | Female | 7 | 88186382 | 89722103 | 1535722 | rs1966296 | rs11563921 | 339 | 3 |
| 06D6334 | Control | Female | 7 | 88494958 | 89718885 | 1223928 | rs2040524 | rs10240790 | 260 | 3 |
| 970881 | Control | Female | 7 | 111298102 | 112083170 | 785069 | rs739617 | rs1989835 | 180 | 3 |
| 61025 | Affected | Male | 7 | 156775368 | 157674626 | 899259 | rs12533310 | rs10244830 | 209 | 3 |
| 51716 | Affected | Male | 7 | 3899448 | 4055402 | 155955 | rs6971828 | rs17134285 | 36 | 1 |

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| 62751 | Affected | Male | 7 | 5361477 | 5506484 | 145008 | rs4724592 | rs7799622 | 27 | 3 |
| 11378 | Affected | Male | 7 | 5700983 | 5894482 | 193500 | rs1468996 | rs6463522 | 22 | 3 |
| 30928 | Control | Male | 7 | 7006701 | 7234956 | 228256 | rs4074751 | rs10259085 | 56 | 3 |
| 06D6469 | Control | Female | 7 | 8151486 | 8480452 | 328967 | rs2110332 | rs1029523 | 112 | 3 |
| 960455 | Affected | Female | 7 | 15091272 | 15384424 | 293153 | rs17168654 | rs4256491 | 74 | 3 |
| 50820 | Affected | Male | 7 | 16135027 | 16363877 | 228851 | rs10269890 | rs2178598 | 53 | 1 |
| 60468 | Affected | Male | 7 | 17047682 | 17396529 | 348848 | rs518136 | rs7777586 | 72 | 3 |
| 60616 | Affected | Male | 7 | 20517504 | 20619778 | 102275 | rs1012869 | rs12666732 | 36 | 1 |
| 61558 | Affected | Male | 7 | 26136637 | 26301955 | 165319 | rs2057761 | rs12538280 | 22 | 3 |
| 06D6206 | Control | Female | 7 | 40269809 | 40510036 | 240228 | rs6952552 | rs6947887 | 30 | 1 |
| 20370 | Affected | Female | 7 | 40269809 | 40510036 | 240228 | rs6952552 | rs6947887 | 30 | 1 |
| 980201 | Affected | Male | 7 | 40269809 | 40510036 | 240228 | rs6952552 | rs6947887 | 30 | 1 |
| 52233 | Affected | Male | 7 | 57212608 | 57643772 | 431165 | rs13240443 | rs7801211 | 62 | 3 |
| con079 | Control | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| con076 | Control | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 52531 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 61651 | Control | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 70109 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| con086 | Control | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 70049 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 51880 | Control | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 20506 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 20064 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 61152 | Control | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 40207 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 20526 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 51653 | Affected | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 1 |
| 60222 | Control | Female | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 3 |
| 50083 | Affected | Male | 7 | 64316996 | 64593616 | 276621 | rs2900856 | rs10274919 | 29 | 3 |
| 51223 | Control | Male | 7 | 64357740 | 64532789 | 175050 | rs13229781 | rs13234392 | 21 | 3 |
| 30891 | Control | Male | 7 | 70287481 | 70396256 | 108776 | rs1796089 | rs4719106 | 40 | 1 |
| 51656 | Control | Female | 7 | 80110504 | 80326004 | 215501 | rs1527479 | rs10954378 | 48 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 06D6334 | Control | Female | 7 | 87988734 | 88211532 | 222799 | rs916654 | rs2519910 | 43 | 3 |
| 06D6334 | Control | Female | 7 | 88235577 | 88485794 | 250218 | rs7801611 | rs6944177 | 63 | 4 |
| con026 | Control | Male | 7 | 88485794 | 88924574 | 438781 | rs6944177 | rs2373919 | 116 | 1 |
| 70504 | Control | Female | 7 | 89395484 | 89547717 | 152234 | rs7801279 | rs10952990 | 45 | 1 |
| 06D6612 | Control | Female | 7 | 93625349 | 93819975 | 194627 | rs7357193 | rs10464587 | 24 | 1 |
| 61753 | Affected | Male | 7 | 93625349 | 93819975 | 194627 | rs7357193 | rs10464587 | 24 | 1 |
| 06D6708 | Control | Male | 7 | 93685640 | 93819975 | 134336 | rs10277051 | rs10464587 | 22 | 1 |
| 61572 | Control | Male | 7 | 100715342 | 100895793 | 180452 | rs4727484 | rs10276579 | 30 | 3 |
| 73054 | Control | Female | 7 | 100715342 | 100914175 | 198834 | rs4727484 | rs13232646 | 35 | 3 |
| 11515 | Affected | Male | 7 | 100747270 | 100868518 | 121249 | rs4729686 | rs4727494 | 24 | 3 |
| 62930 | Affected | Male | 7 | 100747270 | 100868518 | 121249 | rs4729686 | rs4727494 | 24 | 3 |
| con088 | Control | Female | 7 | 100747270 | 100914175 | 166906 | rs4729686 | rs13232646 | 33 | 3 |
| 60837 | Control | Male | 7 | 100747270 | 100914175 | 166906 | rs4729686 | rs13232646 | 33 | 3 |
| 62229 | Control | Male | 7 | 100747270 | 100914175 | 166906 | rs4729686 | rs13232646 | 33 | 3 |
| 11233 | Affected | Male | 7 | 100747270 | 100914175 | 166906 | rs4729686 | rs13232646 | 33 | 3 |
| 20458 | Affected | Male | 7 | 100747270 | 100926144 | 178875 | rs4729686 | rs885501 | 36 | 3 |
| 61748 | Affected | Male | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 10734 | Affected | Male | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 970778 | Control | Female | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 51857 | Affected | Male | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 970806 | Control | Female | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 11404 | Affected | Female | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 50585 | Control | Male | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 51729 | Affected | Male | 7 | 100755083 | 100914175 | 159093 | rs7799285 | rs13232646 | 32 | 3 |
| 52184 | Affected | Male | 7 | 100782577 | 100914175 | 131599 | rs4727485 | rs13232646 | 27 | 3 |
| 50953 | Control | Female | 7 | 100810906 | 100914175 | 103270 | rs10254516 | rs13232646 | 22 | 3 |
| 20478 | Affected | Female | 7 | 103900953 | 104134190 | 233238 | rs6465992 | rs6952413 | 79 | 3 |
| 30724 | Control | Male | 7 | 110810558 | 111034187 | 223630 | rs17158544 | rs2613611 | 25 | 1 |
| 61548 | Affected | Male | 7 | 110810558 | 111065681 | 255124 | rs17158544 | rs11978935 | 26 | 1 |
| 61136 | Affected | Male | 7 | 110866148 | 110987007 | 120860 | rs38752 | rs12705779 | 14 | 1 |
| 30856 | Control | Male | 7 | 110900089 | 111017480 | 117392 | rs12671676 | rs2613596 | 14 | 1 |
| 970806 | Control | Female | 7 | 110944768 | 111138748 | 193981 | rs2613589 | rs10487331 | 32 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 70856 | Affected | Female | 7 | 111015409 | 111116572 | 101164 | rs17158652 | rs10236334 | 20 | 1 |
| 960120 | Affected | Female | 7 | 111015409 | 111116572 | 101164 | rs17158652 | rs10236334 | 20 | 1 |
| 52180 | Affected | Male | 7 | 120751201 | 120947500 | 196300 | rs3757552 | rs1881374 | 25 | 3 |
| 06D6442 | Control | Female | 7 | 124235477 | 124361763 | 126287 | rs2896359 | rs10264288 | 28 | 1 |
| 50167 | Affected | Male | 7 | 133137377 | 133270514 | 133138 | rs10488174 | rs4731986 | 18 | 1 |
| 70895 | Affected | Female | 7 | 133397304 | 133501403 | 104100 | rs4731997 | rs728579 | 18 | 1 |
| 970251 | Control | Male | 7 | 136653944 | 136971345 | 317402 | rs322335 | rs3778789 | 62 | 3 |
| 61420 | Control | Male | 7 | 136653944 | 136987112 | 333169 | rs322335 | rs10273400 | 65 | 3 |
| 71427 | Affected | Female | 7 | 143206916 | 143505123 | 298208 | rs11768025 | rs10487624 | 54 | 3 |
| 61055 | Control | Male | 7 | 143705862 | 143810267 | 104406 | rs720475 | rs10255314 | 29 | 3 |
| 62732 | Affected | Female | 7 | 145884986 | 146314832 | 429847 | rs9640471 | rs4368897 | 85 | 1 |
| 11085 | Affected | Female | 7 | 146193286 | 146359185 | 165900 | rs7811958 | rs1524347 | 39 | 1 |
| 61336 | Affected | Female | 7 | 152961994 | 153239054 | 277061 | rs4595033 | rs12673076 | 32 | 3 |
| 70092 | Affected | Male | 7 | 152961994 | 153239054 | 277061 | rs4595033 | rs12673076 | 32 | 3 |
| 06D6906 | Control | Female | 7 | 152961994 | 153239054 | 277061 | rs4595033 | rs12673076 | 32 | 3 |
| 52566 | Control | Female | 7 | 38285115 | 38337999 | 52885 | rs7782269 | rs2534575 | 44 | 1 |
| 10997 | Affected | Male | 7 | 3656098 | 3710081 | 53984 | rs2614956 | rs10256504 | 25 | 1 |
| 62228 | Affected | Male | 7 | 146168694 | 146222821 | 54128 | rs11984177 | rs10216156 | 25 | 1 |
| 60807 | Affected | Male | 7 | 110509036 | 110563273 | 54238 | rs214897 | rs12705757 | 10 | 1 |
| 52499 | Affected | Male | 7 | 38254795 | 38309522 | 54728 | rs2240825 | rs2392545 | 19 | 1 |
| con072 | Control | Male | 7 | 38254795 | 38309610 | 54816 | rs2240825 | rs2392546 | 20 | 1 |
| 52030 | Control | Female | 7 | 38285115 | 38340056 | 54942 | rs7782269 | rs2534578 | 45 | 1 |
| 70368 | Affected | Male | 7 | 38285115 | 38341222 | 56108 | rs7782269 | rs2240853 | 46 | 1 |
| 52499 | Affected | Male | 7 | 11314044 | 11370519 | 56476 | rs2189344 | rs10257877 | 20 | 3 |
| 51368 | Affected | Male | 7 | 17914612 | 17974835 | 60224 | rs17138418 | rs4470902 | 15 | 3 |
| 52338 | Affected | Male | 7 | 88459393 | 88521153 | 61761 | rs10486891 | rs967579 | 14 | 3 |
| 40006 | Affected | Male | 7 | 38285115 | 38346971 | 61857 | rs7782269 | rs733905 | 47 | 1 |
| 60886 | Affected | Male | 7 | 38285115 | 38346971 | 61857 | rs7782269 | rs733905 | 47 | 1 |
| 60332 | Control | Female | 7 | 157427075 | 157495433 | 68359 | rs920023 | rs1001099 | 26 | 3 |
| 31030 | Affected | Male | 7 | 110563273 | 110645504 | 82232 | rs12705757 | rs214467 | 20 | 1 |
| 70071 | Affected | Female | 7 | 119885540 | 119967907 | 82368 | rs7809257 | rs10488302 | 16 | 1 |
| 52323 | Control | Female | 7 | 38254795 | 38341222 | 86428 | rs2240825 | rs2240853 | 47 | 1 |

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| 72280 | Affected | Female | 7 | 111027549 | 111116572 | 89024 | rs11979526 | rs10236334 | 16 | 1 |
| 30804 | Control | Female | 7 | 110944768 | 111034187 | 89420 | rs2613589 | rs2613611 | 17 | 1 |
| 980182 | Affected | Male | 7 | 157223935 | 157317812 | 93878 | rs867923 | rs9654707 | 25 | 3 |
| 52519 | Affected | Female | 7 | 136654649 | 136753038 | 98390 | rs322334 | rs1647189 | 22 | 3 |
| 50164 | Affected | Female | 7 | 117704955 | 117804083 | 99129 | rs41923 | rs2189127 | 24 | 1 |
| 71208 | Affected | Male | 7 | 117704955 | 117804083 | 99129 | rs41923 | rs2189127 | 24 | 1 |
| 70414 | Control | Female | 7 | 117704955 | 117804083 | 99129 | rs41923 | rs2189127 | 24 | 1 |
| 71128 | Control | Female | 8 | 1764978 | 2309171 | 544194 | rs17064297 | rs17063040 | 258 | 3 |
| 60924 | Control | Female | 8 | 138771563 | 139340184 | 568622 | rs4389979 | rs16908717 | 192 | 3 |
| 70790 | Affected | Male | 8 | 1016907 | 1388391 | 371485 | rs2123055 | rs7015452 | 120 | 3 |
| 61356 | Control | Male | 8 | 1258400 | 1413906 | 155507 | rs6558446 | rs1468415 | 41 | 1 |
| 20528 | Affected | Male | 8 | 1776764 | 1965522 | 188759 | rs11136430 | rs4876252 | 104 | 3 |
| 51379 | Affected | Male | 8 | 1776764 | 1975127 | 198364 | rs11136430 | rs7006192 | 105 | 3 |
| 51379 | Affected | Male | 8 | 2022084 | 2133623 | 111540 | rs10102743 | rs317223 | 95 | 3 |
| 20528 | Affected | Male | 8 | 2022084 | 2133623 | 111540 | rs10102743 | rs317223 | 95 | 3 |
| 31120 | Affected | Male | 8 | 4297110 | 4433352 | 136243 | rs13278525 | rs2617078 | 88 | 1 |
| 52030 | Control | Female | 8 | 6116236 | 6279881 | 163646 | rs4841788 | rs6559162 | 64 | 3 |
| 1780 | Affected | Female | 8 | 6116236 | 6283958 | 167723 | rs4841788 | rs2442513 | 65 | 3 |
| 06D6215 | Control | Male | 8 | 6116236 | 6283958 | 167723 | rs4841788 | rs2442513 | 65 | 3 |
| 61257 | Control | Male | 8 | 6116236 | 6283958 | 167723 | rs4841788 | rs2442513 | 65 | 3 |
| con023 | Control | Female | 8 | 6136538 | 6324795 | 188258 | rs11137000 | rs17540702 | 76 | 1 |
| 52338 | Affected | Male | 8 | 8135489 | 8265440 | 129952 | rs2955587 | rs2976972 | 39 | 1 |
| 980131 | Control | Male | 8 | 8135489 | 8285468 | 149980 | rs2955587 | rs6601694 | 48 | 1 |
| 52546 | Affected | Male | 8 | 8135489 | 8285468 | 149980 | rs2955587 | rs6601694 | 48 | 1 |
| 41616 | Affected | Male | 8 | 14023660 | 14164733 | 141074 | rs17118702 | rs12541432 | 46 | 3 |
| 1223 | Affected | Female | 8 | 18871240 | 19354225 | 482986 | rs17127550 | rs12677088 | 186 | 1 |
| 61004 | Affected | Male | 8 | 20107092 | 20598973 | 491882 | rs10088108 | rs2597389 | 154 | 3 |
| 61107 | Affected | Male | 8 | 53518462 | 53690757 | 172296 | rs6990326 | rs4637853 | 45 | 3 |
| 50851 | Affected | Male | 8 | 54655376 | 54864364 | 208989 | rs1551910 | rs4737753 | 30 | 1 |
| 52192 | Control | Male | 8 | 56874267 | 57026041 | 151775 | rs10109493 | rs16922470 | 33 | 3 |
| 70210 | Control | Male | 8 | 56885245 | 57036571 | 151327 | rs16922271 | rs2719267 | 37 | 3 |
| 51127 | Affected | Male | 8 | 56920362 | 57038773 | 118412 | rs12155521 | rs907424 | 37 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30844 | Affected | Male | 8 | 57496635 | 57623780 | 127146 | rs17760660 | rs2610027 | 28 | 3 |
| 970786 | Control | Male | 8 | 73251347 | 73681616 | 430270 | rs7017623 | rs7009604 | 103 | 3 |
| 51358 | Control | Male | 8 | 82452393 | 82575548 | 123156 | rs1450790 | rs1304403 | 23 | 1 |
| 62749 | Control | Female | 8 | 82582067 | 82693196 | 111130 | rs1485999 | rs2955026 | 26 | 3 |
| 70492 | Affected | Female | 8 | 87256166 | 87403084 | 146919 | rs6470428 | rs7017719 | 25 | 3 |
| 30724 | Control | Male | 8 | 87270243 | 87403084 | 132842 | rs7815102 | rs7017719 | 23 | 3 |
| 06D6761 | Control | Female | 8 | 87902827 | 88144314 | 241488 | rs10808349 | rs2974278 | 55 | 3 |
| 30889 | Control | Female | 8 | 89120413 | 89247103 | 126691 | rs2664370 | rs2681300 | 29 | 3 |
| 20354 | Affected | Male | 8 | 95193232 | 95385432 | 192201 | rs4421324 | rs2515137 | 60 | 3 |
| 51619 | Control | Male | 8 | 105380250 | 105551651 | 171402 | rs2511628 | rs3750187 | 64 | 3 |
| 61278 | Control | Female | 8 | 109374453 | 109484302 | 109850 | rs6469170 | rs2023106 | 14 | 1 |
| 70597 | Affected | Male | 8 | 120787622 | 121005702 | 218081 | rs6989251 | rs6469877 | 36 | 3 |
| 70590 | Affected | Male | 8 | 134656368 | 134935134 | 278767 | rs1554324 | rs7845379 | 121 | 3 |
| 61938 | Control | Male | 8 | 135585139 | 135726935 | 141797 | rs894357 | rs17699546 | 66 | 1 |
| con013 | Control | Female | 8 | 145064091 | 145223898 | 159808 | rs6558406 | rs2070688 | 16 | 3 |
| 10923 | Affected | Male | 8 | 95744548 | 95798679 | 54132 | rs1895874 | rs9643347 | 15 | 3 |
| 06D6637 | Control | Female | 8 | 82939617 | 83001525 | 61909 | rs1451994 | rs11779650 | 13 | 3 |
| 11082 | Affected | Female | 8 | 17602799 | 17665222 | 62424 | rs374386 | rs451322 | 30 | 1 |
| 11291 | Affected | Male | 8 | 17602799 | 17665222 | 62424 | rs374386 | rs451322 | 30 | 1 |
| 70271 | Affected | Male | 8 | 87256166 | 87319087 | 62922 | rs6470428 | rs4406372 | 18 | 3 |
| 11303 | Affected | Male | 8 | 15917140 | 15980161 | 63022 | rs2898430 | rs10099900 | 24 | 3 |
| 41877 | Affected | Male | 8 | 15917140 | 15980161 | 63022 | rs2898430 | rs10099900 | 24 | 3 |
| 61148 | Affected | Male | 8 | 15917140 | 15980161 | 63022 | rs2898430 | rs10099900 | 24 | 3 |
| 61107 | Affected | Male | 8 | 53986757 | 54054751 | 67995 | rs10504150 | rs2555186 | 19 | 3 |
| 20602 | Affected | Male | 8 | 4600608 | 4671975 | 71368 | rs4875115 | rs1379323 | 118 | 1 |
| 1827 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 10540 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 20400 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 52040 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 60887 | Affected | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 61025 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 61576 | Affected | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |

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| 71380 | Affected | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 960455 | Affected | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 60625 | Affected | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 0 |
| 51961 | Control | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 62547 | Control | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 62825 | Control | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 71101 | Control | Male | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| 73333 | Control | Female | 8 | 15994142 | 16065839 | 71698 | rs13280294 | rs351572 | 19 | 1 |
| con094 | Control | Female | 8 | 384980 | 458609 | 73630 | rs17738097 | rs2121885 | 54 | 3 |
| 42018 | Affected | Male | 8 | 56963551 | 57038773 | 75223 | rs333616 | rs907424 | 27 | 3 |
| con075 | Control | Male | 8 | 15994142 | 16073863 | 79722 | rs13280294 | rs13251251 | 21 | 1 |
| 60518 | Control | Male | 8 | 121556228 | 121640447 | 84220 | rs12386936 | rs4297067 | 13 | 3 |
| con023 | Control | Female | 8 | 109374453 | 109466087 | 91635 | rs6469170 | rs10108399 | 10 | 1 |
| 1477 | Affected | Male | 8 | 56920362 | 57013973 | 93612 | rs12155521 | rs1126327 | 27 | 3 |
| 41877 | Affected | Male | 8 | 27365256 | 27460271 | 95016 | rs1106359 | rs2565050 | 38 | 3 |
| 60400 | Affected | Male | 8 | 3664116 | 3760537 | 96422 | rs9693433 | rs2688324 | 67 | 1 |
| 70798 | Control | Male | 9 | 194201 | 388673 | 194473 | rs10964134 | rs12346176 | 124 | 3 |
| 61151 | Control | Male | 9 | 194201 | 439798 | 245598 | rs10964134 | rs10491684 | 149 | 3 |
| 1227 | Affected | Female | 9 | 194201 | 439798 | 245598 | rs10964134 | rs10491684 | 149 | 3 |
| 61159 | Affected | Male | 9 | 205269 | 388673 | 183405 | rs636922 | rs12346176 | 116 | 3 |
| 71400 | Affected | Male | 9 | 260321 | 490979 | 230659 | rs17720310 | rs10118798 | 122 | 3 |
| 759 | Affected | Male | 9 | 396117 | 794436 | 398320 | rs1475508 | rs4742419 | 214 | 3 |
| 970778 | Control | Female | 9 | 411860 | 794436 | 382577 | rs2297080 | rs4742419 | 208 | 3 |
| 51335 | Control | Female | 9 | 5088223 | 5208524 | 120302 | rs3780373 | rs7853049 | 17 | 3 |
| 30889 | Control | Female | 9 | 6534734 | 6849189 | 314456 | rs3902970 | rs10975859 | 79 | 3 |
| 11375 | Affected | Male | 9 | 6557841 | 7007391 | 449551 | rs7870809 | rs7853037 | 134 | 3 |
| 61576 | Affected | Female | 9 | 6685397 | 6902767 | 217371 | rs1094038 | rs10815480 | 55 | 3 |
| 50334 | Affected | Male | 9 | 9719134 | 9822245 | 103112 | rs10816169 | rs2761763 | 53 | 1 |
| 70028 | Affected | Male | 9 | 15987006 | 16108758 | 121753 | rs2987036 | rs7873155 | 50 | 1 |
| 51326 | Affected | Female | 9 | 16987947 | 17102482 | 114536 | rs442438 | rs263622 | 29 | 1 |
| 52168 | Affected | Male | 9 | 19074444 | 19199546 | 125103 | rs10963949 | rs433305 | 33 | 1 |
| 970910 | Control | Female | 9 | 19271099 | 19484098 | 213000 | rs10757048 | rs10964182 | 45 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20350 | Affected | Male | 9 | 19284073 | 19523872 | 239800 | rs4468024 | rs2383100 | 54 | 3 |
| 20644 | Affected | Male | 9 | 20690838 | 20887266 | 196429 | rs10964665 | rs11531714 | 64 | 1 |
| 61496 | Control | Female | 9 | 21438448 | 21556730 | 118283 | rs7864960 | rs7865428 | 37 | 3 |
| 60105 | Affected | Male | 9 | 28188623 | 28332179 | 143557 | rs991849 | rs1331885 | 61 | 1 |
| con023 | Control | Female | 9 | 28188623 | 28332179 | 143557 | rs991849 | rs1331885 | 61 | 1 |
| 2049 | Affected | Male | 9 | 28188623 | 28332179 | 143557 | rs991849 | rs1331885 | 61 | 1 |
| 1827 | Affected | Male | 9 | 28188623 | 28332179 | 143557 | rs991849 | rs1331885 | 61 | 1 |
| 70026 | Affected | Female | 9 | 28572398 | 28707480 | 135083 | rs1996774 | rs6476091 | 33 | 1 |
| 20347 | Affected | Male | 9 | 28585171 | 28751593 | 166423 | rs1521730 | rs321728 | 40 | 1 |
| 30857 | Affected | Male | 9 | 28634923 | 28751593 | 116671 | rs10511830 | rs321728 | 28 | 1 |
| 10973 | Affected | Male | 9 | 33318812 | 33608936 | 290125 | rs2292243 | rs855514 | 54 | 3 |
| 61291 | Affected | Male | 9 | 70764577 | 71032843 | 268267 | rs10114872 | rs2309428 | 60 | 3 |
| 11373 | Affected | Male | 9 | 70764577 | 71032843 | 268267 | rs10114872 | rs2309428 | 60 | 3 |
| 52571 | Control | Female | 9 | 88793103 | 89017482 | 224380 | rs10120212 | rs432005 | 50 | 1 |
| 72609 | Affected | Male | 9 | 89760155 | 90145367 | 385213 | rs472627 | rs12348836 | 93 | 3 |
| 1793 | Affected | Male | 9 | 102342854 | 102492148 | 149295 | rs10465148 | rs16919333 | 41 | 3 |
| 62463 | Control | Female | 9 | 110465741 | 110653174 | 187434 | rs4403487 | rs10448264 | 66 | 1 |
| 51326 | Affected | Female | 9 | 118051212 | 118410500 | 359289 | rs10983088 | rs2416564 | 89 | 3 |
| 70210 | Control | Male | 9 | 134588424 | 134728634 | 140211 | rs306530 | rs2526004 | 40 | 3 |
| 20346 | Affected | Female | 9 | 136718799 | 136883130 | 164332 | rs10776897 | rs3128570 | 72 | 3 |
| 20081 | Affected | Male | 9 | 138155232 | 138264677 | 109446 | rs1747839 | rs7032944 | 21 | 3 |
| con013 | Control | Female | 9 | 138606913 | 138727787 | 120875 | rs4880055 | rs11793385 | 26 | 3 |
| 62751 | Affected | Male | 9 | 138619531 | 138907274 | 287744 | rs7045617 | rs2811761 | 48 | 3 |
| 52323 | Control | Female | 9 | 131088774 | 131139212 | 50439 | rs7029664 | rs2026995 | 23 | 3 |
| 70402 | Control | Male | 9 | 28388225 | 28445146 | 56922 | rs10968560 | rs16913128 | 33 | 1 |
| 61477 | Affected | Male | 9 | 138374138 | 138437690 | 63553 | rs11145922 | rs1130635 | 13 | 3 |
| 61308 | Affected | Male | 9 | 15287028 | 15352057 | 65030 | rs3905248 | rs1942476 | 26 | 1 |
| 11323 | Affected | Male | 9 | 19458614 | 19523872 | 65259 | rs7021669 | rs2383100 | 22 | 3 |
| 61670 | Affected | Male | 9 | 1905483 | 1972607 | 67125 | rs4551422 | rs7027936 | 18 | 1 |
| 1737 | Affected | Male | 9 | 15865162 | 15933931 | 68770 | rs2794632 | rs10810488 | 21 | 1 |
| 60360 | Affected | Male | 9 | 10423023 | 10491953 | 68931 | rs669484 | rs2181156 | 20 | 1 |
| 62547 | Control | Female | 9 | 194201 | 263160 | 68960 | rs10964134 | rs540909 | 54 | 3 |

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| 51563 | Affected | Male | 9 | 132404905 | 132476485 | 71581 | rs944605 | rs12351309 | 17 | 3 |
| 61070 | Affected | Male | 9 | 132404905 | 132476485 | 71581 | rs944605 | rs12351309 | 17 | 3 |
| 980001 | Control | Male | 9 | 132404905 | 132476485 | 71581 | rs944605 | rs12351309 | 17 | 3 |
| 62612 | Control | Male | 9 | 28519410 | 28591613 | 72204 | rs12551829 | rs16913380 | 25 | 1 |
| 1318 | Affected | Female | 9 | 15287028 | 15360575 | 73548 | rs3905248 | rs1105191 | 27 | 1 |
| 970858 | Control | Female | 9 | 77568615 | 77645475 | 76861 | rs7848931 | rs11144641 | 18 | 3 |
| 970806 | Control | Female | 9 | 9782326 | 9859714 | 77389 | rs12684906 | rs10978049 | 39 | 1 |
| 51208 | Affected | Male | 9 | 194201 | 279061 | 84861 | rs10964134 | rs6476030 | 62 | 3 |
| 52506 | Control | Female | 9 | 32245125 | 32331611 | 86487 | rs10970869 | rs10970932 | 26 | 1 |
| 51223 | Control | Male | 9 | 17524866 | 17623232 | 98367 | rs2593375 | rs2208496 | 39 | 3 |
| 61060 | Control | Female | 10 | 3862876 | 4519263 | 656388 | rs10904103 | rs1079110 | 184 | 3 |
| 61642 | Affected | Male | 10 | 36323016 | 37702921 | 1379906 | rs10508823 | rs1938421 | 228 | 3 |
| 71214 | Control | Female | 10 | 47013328 | 51492912 | 4479585 | rs11259779 | rs3964873 | 608 | 1 |
| 62720 | Control | Female | 10 | 1125248 | 1270409 | 145162 | rs4880474 | rs4880802 | 51 | 3 |
| 62443 | Control | Female | 10 | 5120610 | 5383936 | 263327 | rs1937905 | rs10752011 | 83 | 1 |
| 61060 | Control | Female | 10 | 5124416 | 5329074 | 204659 | rs11252934 | rs1344354 | 58 | 3 |
| 51875 | Affected | Male | 10 | 27609527 | 27915012 | 305486 | rs2483499 | rs1494209 | 68 | 3 |
| 71334 | Affected | Male | 10 | 27652366 | 27816417 | 164052 | rs237605 | rs2505331 | 42 | 1 |
| 51875 | Affected | Male | 10 | 28300157 | 28502418 | 202262 | rs4405206 | rs4309056 | 58 | 3 |
| 51574 | Control | Female | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| con072 | Control | Male | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 70433 | Control | Female | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 60974 | Control | Female | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 60946 | Control | Male | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 805 | Affected | Male | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 11404 | Affected | Female | 10 | 44530696 | 44679489 | 148794 | rs7097094 | rs6593445 | 25 | 3 |
| 70969 | Control | Female | 10 | 44550157 | 44679489 | 129333 | rs960442 | rs6593445 | 23 | 3 |
| 41616 | Affected | Male | 10 | 44550157 | 44679489 | 129333 | rs960442 | rs6593445 | 23 | 3 |
| 970488 | Control | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 61687 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 06D6268 | Control | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 62332 | Control | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 06D6373 | Control | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 60356 | Affected | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 960252 | Affected | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 62663 | Control | Female | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 06D6475 | Control | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 20347 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| con029 | Control | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 50495 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 2050 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 30921 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 60983 | Affected | Male | 10 | 44568949 | 44679489 | 110541 | rs1749328 | rs6593445 | 22 | 3 |
| 06D6442 | Control | Female | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 1 |
| 20602 | Affected | Male | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 1 |
| 50979 | Affected | Male | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 1 |
| 61670 | Affected | Male | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 3 |
| 20403 | Affected | Female | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 3 |
| 60821 | Control | Male | 10 | 47013328 | 47122505 | 109178 | rs11259779 | rs7071918 | 19 | 3 |
| con001 | Control | Male | 10 | 47013328 | 47157807 | 144480 | rs11259779 | rs7076022 | 27 | 3 |
| 40313 | Control | Male | 10 | 47013328 | 47157807 | 144480 | rs11259779 | rs7076022 | 27 | 3 |
| 980319 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 1 |
| 60207 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 1 |
| 61784 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 1 |
| 52175 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 1 |
| 51986 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 1 |
| con067 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70402 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6440 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51349 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 981079 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con095 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 990265 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70510 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |

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| 52377 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 970581 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51716 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71266 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61911 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 52419 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61619 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61070 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51619 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61544 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con020 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11357 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 980177 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71417 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60468 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6498 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61241 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con042 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50329 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6529 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 970557 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11359 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61568 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con006 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 62522 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 970916 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 1247 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6467 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70208 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60616 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60334 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50010 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |

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| 970910 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51335 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con069 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11327 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 62003 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60543 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70111 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61107 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 30928 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71101 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71133 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51656 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 30815 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 52180 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 62888 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70069 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 647 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60530 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20226 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71400 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 10594 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20353 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 10540 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60809 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6612 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70860 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51633 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 40239 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 61464 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70149 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71238 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 62547 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |

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| 62619 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 30889 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20230 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6473 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| con007 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 06D6367 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 52477 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11203 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 62019 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60205 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71064 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70504 | Control | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 40006 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50638 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 833 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 70269 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 51857 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 71326 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50079 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50080 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11139 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 50214 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 1827 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20633 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 11289 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 52398 | Control | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 1227 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20475 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 52327 | Affected | Female | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60204 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60972 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60840 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |

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| 51760 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 20620 | Affected | Male | 10 | 47013328 | 47173619 | 160292 | rs11259779 | rs4128664 | 35 | 3 |
| 60625 | Affected | Female | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 61641 | Affected | Female | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 11156 | Affected | Male | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 70856 | Affected | Female | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 61291 | Affected | Male | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 61057 | Control | Male | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 70746 | Affected | Male | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 61389 | Affected | Male | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 20479 | Affected | Female | 10 | 47058066 | 47173619 | 115554 | rs17835817 | rs4128664 | 34 | 3 |
| 06D6841 | Control | Female | 10 | 57834323 | 57977755 | 143433 | rs10825792 | rs10509049 | 18 | 1 |
| 62745 | Control | Female | 10 | 64020539 | 64140681 | 120143 | rs2176289 | rs224136 | 31 | 1 |
| 62251 | Control | Male | 10 | 67724488 | 67878895 | 154408 | rs10762051 | rs10997133 | 50 | 1 |
| 61158 | Control | Female | 10 | 67878895 | 68113302 | 234408 | rs10997133 | rs713298 | 76 | 1 |
| 805 | Affected | Male | 10 | 67962374 | 68180377 | 218004 | rs2631217 | rs12268982 | 70 | 1 |
| 61011 | Control | Female | 10 | 68411841 | 68592248 | 180408 | rs942788 | rs10822992 | 58 | 3 |
| 51961 | Control | Female | 10 | 68411841 | 68592248 | 180408 | rs942788 | rs10822992 | 58 | 3 |
| 60361 | Control | Male | 10 | 81567594 | 81962366 | 394773 | rs10885307 | rs3000954 | 67 | 3 |
| 61136 | Affected | Male | 10 | 82370645 | 82662797 | 292153 | rs7067934 | rs2345201 | 95 | 4 |
| 60032 | Affected | Male | 10 | 108160793 | 108416196 | 255404 | rs17120734 | rs7095427 | 50 | 3 |
| 31008 | Control | Female | 10 | 112038085 | 112236342 | 198258 | rs1954281 | rs7911973 | 65 | 3 |
| 70669 | Control | Female | 10 | 116142344 | 116518284 | 375941 | rs537432 | rs11196905 | 98 | 3 |
| 61205 | Control | Female | 10 | 116142344 | 116518284 | 375941 | rs537432 | rs11196905 | 98 | 3 |
| 50095 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 1 |
| 51723 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 1 |
| 50278 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| con018 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 62545 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| con095 | Control | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 11156 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 970862 | Control | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |

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| con042 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 06D6473 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 61793 | Control | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 20353 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 20687 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 62567 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 60946 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 41199 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 70071 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 11102 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 20611 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 61703 | Control | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 52501 | Control | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 60627 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 30921 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 1494 | Affected | Female | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 20632 | Affected | Male | 10 | 135116379 | 135227438 | 111060 | rs2265900 | rs10857762 | 32 | 3 |
| 10806 | Affected | Female | 10 | 135116379 | 135252190 | 135812 | rs2265900 | rs4351775 | 33 | 1 |
| 62349 | Control | Female | 10 | 135125348 | 135227438 | 102091 | rs2252728 | rs10857762 | 31 | 3 |
| 1318 | Affected | Female | 10 | 135125348 | 135227438 | 102091 | rs2252728 | rs10857762 | 31 | 3 |
| 60972 | Affected | Male | 10 | 135125348 | 135227438 | 102091 | rs2252728 | rs10857762 | 31 | 3 |
| 60663 | Control | Female | 10 | 135126627 | 135227438 | 100812 | rs880282 | rs10857762 | 30 | 3 |
| 11116 | Affected | Female | 10 | 53422481 | 53475366 | 52886 | rs11000400 | rs6480687 | 27 | 1 |
| 70219 | Affected | Female | 10 | 135170612 | 135227438 | 56827 | rs9418982 | rs10857762 | 21 | 3 |
| 20355 | Affected | Female | 10 | 133967990 | 134025568 | 57579 | rs2492651 | rs10870295 | 12 | 3 |
| 70651 | Control | Male | 10 | 67954023 | 68023745 | 69723 | rs2939914 | rs1911338 | 19 | 1 |
| 970879 | Control | Female | 10 | 15030375 | 15100889 | 70515 | rs7916726 | rs7916087 | 12 | 3 |
| 11211 | Affected | Male | 10 | 135156148 | 135227438 | 71291 | rs1536827 | rs10857762 | 22 | 3 |
| 970290 | Affected | Male | 10 | 135153022 | 135227438 | 74417 | rs1329152 | rs10857762 | 23 | 3 |
| 61060 | Control | Female | 10 | 135153022 | 135227438 | 74417 | rs1329152 | rs10857762 | 23 | 3 |
| 62505 | Affected | Male | 10 | 116247513 | 116322760 | 75248 | rs7910989 | rs2483567 | 25 | 1 |
| 970862 | Control | Female | 10 | 5120610 | 5196096 | 75487 | rs1937905 | rs2398103 | 20 | 1 |

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| 71133 | Affected | Female | 10 | 135125348 | 135202090 | 76743 | rs2252728 | rs2480258 | 24 | 3 |
| 980319 | Affected | Male | 10 | 51185540 | 51264468 | 78929 | rs2611512 | rs7350420 | 15 | 1 |
| 980503 | Affected | Male | 10 | 56280721 | 56361311 | 80591 | rs10763151 | rs1733795 | 29 | 0 |
| 30976 | Control | Female | 10 | 47091948 | 47173619 | 81672 | rs5019325 | rs4128664 | 26 | 3 |
| 62897 | Control | Female | 10 | 68139243 | 68222395 | 83153 | rs10997325 | rs7078170 | 29 | 1 |
| 1793 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 60816 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 61291 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 61332 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 61542 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 71145 | Affected | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 30880 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 61210 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 61890 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 62020 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 71281 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 06D6193 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 06D6530 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 06D6873 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 06D6906 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| con007 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| con048 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| con058 | Control | Male | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| con070 | Control | Female | 10 | 135116379 | 135202090 | 85712 | rs2265900 | rs2480258 | 25 | 3 |
| 60816 | Affected | Male | 10 | 724229 | 810868 | 86640 | rs1769236 | rs10752019 | 25 | 3 |
| 06D6264 | Control | Male | 10 | 47013328 | 47104196 | 90869 | rs11259779 | rs11259756 | 16 | 3 |
| 10734 | Affected | Male | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 40208 | Affected | Male | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 52532 | Control | Female | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 60191 | Control | Female | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 71405 | Control | Female | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 06D6711 | Control | Female | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |

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| con052 | Control | Female | 10 | 27652366 | 27745861 | 93496 | rs237605 | rs11015755 | 27 | 1 |
| 51729 | Affected | Male | 10 | 76654917 | 76751854 | 96938 | rs1505378 | rs2488696 | 18 | 3 |
| 06D6525 | Control | Female | 10 | 47013328 | 47110350 | 97023 | rs11259779 | rs12775238 | 17 | 3 |
| 62463 | Control | Female | 10 | 47058066 | 47157807 | 99742 | rs17835817 | rs7076022 | 26 | 3 |
| 60343 | Affected | Male | 11 | 23777209 | 25658239 | 1881031 | rs7111329 | rs7930199 | 432 | 1 |
| 61388 | Affected | Female | 11 | 104496850 | 105020174 | 523325 | rs4587693 | rs10791764 | 73 | 3 |
| 60235 | Affected | Female | 11 | 119320458 | 120113871 | 793414 | rs634351 | rs948032 | 181 | 3 |
| 52292 | Affected | Female | 11 | 133817698 | 134392238 | 574541 | rs7935790 | rs1382495 | 203 | 3 |
| 980042 | Control | Male | 11 | 4763448 | 4865576 | 102129 | rs12806476 | rs2595982 | 36 | 1 |
| 61479 | Affected | Female | 11 | 4763448 | 4865576 | 102129 | rs12806476 | rs2595982 | 36 | 1 |
| 70610 | Affected | Male | 11 | 4763448 | 4865576 | 102129 | rs12806476 | rs2595982 | 36 | 1 |
| 60246 | Affected | Male | 11 | 33089440 | 33474966 | 385527 | rs3117655 | rs2756277 | 39 | 3 |
| 1085 | Affected | Male | 11 | 33259050 | 33433279 | 174230 | rs16924091 | rs7943651 | 25 | 3 |
| 61717 | Affected | Male | 11 | 54784999 | 55179162 | 394164 | rs3851113 | rs11230571 | 52 | 3 |
| 06D7070 | Control | Male | 11 | 55420386 | 55656373 | 235988 | rs9943659 | rs11606821 | 71 | 1 |
| 981049 | Affected | Male | 11 | 55841187 | 55991637 | 150451 | rs1871846 | rs688740 | 35 | 1 |
| 06D6499 | Control | Male | 11 | 70029656 | 70148281 | 118626 | rs12364154 | rs4980629 | 45 | 1 |
| 960101 | Affected | Male | 11 | 71544815 | 71939763 | 394949 | rs590586 | rs10793034 | 55 | 1 |
| 61998 | Control | Male | 11 | 83700473 | 83941704 | 241232 | rs7106746 | rs7937583 | 68 | 1 |
| 61977 | Control | Female | 11 | 92621411 | 92823370 | 201960 | rs1446905 | rs2658785 | 45 | 1 |
| 11288 | Affected | Male | 11 | 92621411 | 92823370 | 201960 | rs1446905 | rs2658785 | 45 | 1 |
| 51563 | Affected | Male | 11 | 94080501 | 94514354 | 433854 | rs4753145 | rs530190 | 94 | 3 |
| 52144 | Control | Male | 11 | 98481670 | 98587547 | 105878 | rs10790462 | rs11606720 | 59 | 1 |
| 06D6467 | Control | Female | 11 | 98781901 | 98916984 | 135084 | rs7929417 | rs10790789 | 56 | 1 |
| 52563 | Control | Female | 11 | 122823273 | 122954103 | 130831 | rs2846062 | rs1275056 | 50 | 3 |
| 833 | Affected | Male | 11 | 132329581 | 132769219 | 439639 | rs4542422 | rs11223462 | 175 | 3 |
| 70802 | Control | Female | 11 | 132329581 | 132774858 | 445278 | rs4542422 | rs6590694 | 176 | 3 |
| 61152 | Control | Female | 11 | 132605443 | 132826177 | 220735 | rs12365021 | rs10894683 | 73 | 3 |
| 06D6927 | Control | Female | 11 | 133823692 | 134226681 | 402990 | rs11223820 | rs11605126 | 162 | 3 |
| 62751 | Affected | Male | 11 | 5719425 | 5769525 | 50101 | rs1498550 | rs11039054 | 16 | 1 |
| 11361 | Affected | Male | 11 | 6712358 | 6763819 | 51462 | rs12223079 | rs497681 | 21 | 1 |
| 10806 | Affected | Female | 11 | 133663955 | 133715739 | 51785 | rs3824995 | rs1258852 | 21 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20372 | Affected | Male | 11 | 133663955 | 133715739 | 51785 | rs3824995 | rs1258852 | 21 | 1 |
| 20633 | Affected | Male | 11 | 133663955 | 133715739 | 51785 | rs3824995 | rs1258852 | 21 | 1 |
| 51379 | Affected | Male | 11 | 133663955 | 133715739 | 51785 | rs3824995 | rs1258852 | 21 | 1 |
| con086 | Control | Female | 11 | 133663955 | 133715739 | 51785 | rs3824995 | rs1258852 | 21 | 1 |
| 980116 | Control | Male | 11 | 1073364 | 1127086 | 53723 | rs7396030 | rs7112954 | 13 | 3 |
| 71145 | Affected | Male | 11 | 55139733 | 55204003 | 64271 | rs573732 | rs7934845 | 10 | 1 |
| 06D6500 | Control | Female | 11 | 55139733 | 55204003 | 64271 | rs573732 | rs7934845 | 10 | 1 |
| 06D6852 | Control | Female | 11 | 55139733 | 55204003 | 64271 | rs573732 | rs7934845 | 10 | 1 |
| 10078 | Affected | Male | 11 | 95661034 | 95730814 | 69781 | rs499866 | rs2186760 | 17 | 3 |
| 1679 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 2089 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 11085 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 11289 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 11360 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 20484 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 20496 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 20528 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 20616 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 30803 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 30857 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 50052 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 50072 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 51058 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 51672 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 52176 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 60204 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 60360 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 60908 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 61362 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 61818 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 70028 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 70596 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 71020 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 960361 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 1793 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 11318 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 11328 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 11404 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 11522 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 20345 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 20610 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 30392 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 30661 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 30931 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 40133 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 50416 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 50737 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 51187 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 51476 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52181 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52184 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52291 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52331 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60400 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60627 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60799 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60822 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61038 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61226 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61357 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61670 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61748 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62246 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62607 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |

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| 70038 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 70269 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 70298 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 70590 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 70615 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 71174 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 71380 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 71400 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 72439 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 960434 | Affected | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 970166 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 970236 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 980503 | Affected | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52359 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 60223 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 62076 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 71403 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 71413 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 1 |
| 30880 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 51359 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 51452 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52036 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52228 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52403 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52524 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60106 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60363 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60895 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 60933 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61011 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61013 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 61151 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |

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| 61863 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62247 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62443 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62545 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 62818 | Control | Male | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 70251 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 970476 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 970862 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 06D6216 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 06D6341 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 06D6373 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 06D6530 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 06D7077 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| con005 | Control | Female | 11 | 55127597 | 55204003 | 76407 | rs2456022 | rs7934845 | 11 | 0 |
| 52519 | Affected | Female | 11 | 36400971 | 36484601 | 83631 | rs7951020 | rs520074 | 37 | 3 |
| 60363 | Control | Female | 12 | 864191 | 1407515 | 543325 | rs7300444 | rs16928422 | 87 | 3 |
| 70510 | Affected | Female | 12 | 17122370 | 18514308 | 1391939 | rs1441696 | rs1447408 | 256 | 3 |
| 20475 | Affected | Male | 12 | 29224176 | 32830870 | 3606695 | rs10843339 | rs7960630 | 970 | 1 |
| 20530 | Affected | Female | 12 | 33434487 | 34008675 | 574189 | rs1905416 | rs406753 | 71 | 1 |
| 62566 | Control | Male | 12 | 71276461 | 71859679 | 583219 | rs10506659 | rs2138429 | 86 | 3 |
| 51619 | Control | Male | 12 | 126789194 | 127472548 | 683355 | rs11059329 | rs10847613 | 233 | 3 |
| 72460 | Control | Female | 12 | 1099757 | 1477651 | 377895 | rs11829288 | rs10848495 | 60 | 1 |
| 30804 | Control | Female | 12 | 3944655 | 4316338 | 371684 | rs658719 | rs7306862 | 93 | 3 |
| 60983 | Affected | Male | 12 | 4088886 | 4246755 | 157870 | rs4765769 | rs10849027 | 40 | 1 |
| 62443 | Control | Female | 12 | 6993337 | 7193249 | 199913 | rs9668071 | rs3816423 | 33 | 3 |
| 61615 | Affected | Male | 12 | 7876208 | 8014573 | 138366 | rs7970550 | rs7307261 | 26 | 3 |
| 20349 | Affected | Male | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 62612 | Control | Male | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 61877 | Control | Female | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 40206 | Affected | Male | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 20617 | Affected | Male | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 62497 | Control | Male | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |

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| 61305 | Control | Female | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 11238 | Affected | Female | 12 | 7884583 | 7990569 | 105987 | rs2889545 | rs1473164 | 24 | 3 |
| 1352 | Affected | Male | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 11336 | Affected | Female | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 980728 | Affected | Female | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 805 | Affected | Male | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 51961 | Control | Female | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 11360 | Affected | Male | 12 | 7884583 | 8014573 | 129991 | rs2889545 | rs7307261 | 25 | 3 |
| 60691 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61333 | Control | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61641 | Affected | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| con072 | Control | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 62196 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 60032 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 06D6637 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 52467 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 51326 | Affected | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61417 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 06D6315 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| con082 | Control | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 970877 | Affected | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61676 | Control | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61308 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 70403 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 60809 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 60086 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 62034 | Control | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 60530 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 971 | Affected | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 50979 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 51359 | Control | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 70610 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |

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| 71064 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 833 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 52120 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 20527 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 1085 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 1653 | Affected | Female | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 31119 | Affected | Male | 12 | 7884583 | 8017012 | 132430 | rs2889545 | rs6488801 | 26 | 3 |
| 61148 | Affected | Male | 12 | 7888157 | 7990569 | 102413 | rs11056079 | rs1473164 | 23 | 1 |
| 62662 | Control | Female | 12 | 7888157 | 7990569 | 102413 | rs11056079 | rs1473164 | 23 | 1 |
| 51656 | Control | Female | 12 | 7888157 | 7990569 | 102413 | rs11056079 | rs1473164 | 23 | 3 |
| 50416 | Affected | Male | 12 | 7888157 | 7990569 | 102413 | rs11056079 | rs1473164 | 23 | 3 |
| 50397 | Affected | Female | 12 | 7888157 | 7990569 | 102413 | rs11056079 | rs1473164 | 23 | 3 |
| 52175 | Control | Female | 12 | 7888157 | 8014573 | 126417 | rs11056079 | rs7307261 | 24 | 1 |
| 10806 | Affected | Female | 12 | 7888157 | 8014573 | 126417 | rs11056079 | rs7307261 | 24 | 1 |
| 60781 | Control | Male | 12 | 7888157 | 8014573 | 126417 | rs11056079 | rs7307261 | 24 | 3 |
| 06D6467 | Control | Female | 12 | 7888157 | 8017012 | 128856 | rs11056079 | rs6488801 | 25 | 3 |
| 52519 | Affected | Female | 12 | 7888157 | 8017012 | 128856 | rs11056079 | rs6488801 | 25 | 3 |
| 62073 | Affected | Male | 12 | 7888157 | 8017012 | 128856 | rs11056079 | rs6488801 | 25 | 3 |
| 70433 | Control | Female | 12 | 7888157 | 8017012 | 128856 | rs11056079 | rs6488801 | 25 | 3 |
| 62076 | Control | Female | 12 | 7888157 | 8017012 | 128856 | rs11056079 | rs6488801 | 25 | 3 |
| 60192 | Affected | Male | 12 | 7891603 | 8014573 | 122971 | rs7965203 | rs7307261 | 23 | 1 |
| 41889 | Affected | Male | 12 | 7891603 | 8014573 | 122971 | rs7965203 | rs7307261 | 23 | 1 |
| 62567 | Control | Male | 12 | 7891603 | 8014573 | 122971 | rs7965203 | rs7307261 | 23 | 3 |
| con056 | Control | Female | 12 | 7891603 | 8017012 | 125410 | rs7965203 | rs6488801 | 24 | 1 |
| 62850 | Affected | Male | 12 | 7891603 | 8017012 | 125410 | rs7965203 | rs6488801 | 24 | 1 |
| 1780 | Affected | Female | 12 | 7899399 | 8017012 | 117614 | rs2889504 | rs6488801 | 22 | 3 |
| 61794 | Control | Female | 12 | 7899399 | 8017012 | 117614 | rs2889504 | rs6488801 | 22 | 3 |
| 60028 | Control | Female | 12 | 8496483 | 8665794 | 169312 | rs6487136 | rs12321209 | 34 | 1 |
| 52208 | Control | Female | 12 | 19358223 | 19469374 | 111152 | rs7297169 | rs2961365 | 21 | 3 |
| 70433 | Control | Female | 12 | 19358223 | 19478849 | 120627 | rs7297169 | rs2638413 | 24 | 3 |
| 11303 | Affected | Male | 12 | 19358223 | 19478849 | 120627 | rs7297169 | rs2638413 | 24 | 3 |
| 52030 | Control | Female | 12 | 19364102 | 19469374 | 105273 | rs12825616 | rs2961365 | 19 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 970476 | Control | Female | 12 | 20820070 | 20947982 | 127913 | rs1588918 | rs12824715 | 19 | 1 |
| 06D6906 | Control | Female | 12 | 20820070 | 20947982 | 127913 | rs1588918 | rs12824715 | 19 | 1 |
| 70475 | Control | Female | 12 | 20901315 | 21296099 | 394785 | rs2900474 | rs7975087 | 72 | 1 |
| 61997 | Control | Male | 12 | 20901315 | 21296099 | 394785 | rs2900474 | rs7975087 | 72 | 1 |
| 30788 | Control | Female | 12 | 27229452 | 27437644 | 208193 | rs4265668 | rs11048998 | 52 | 3 |
| 30788 | Control | Female | 12 | 27520009 | 27679741 | 159733 | rs6487610 | rs1002422 | 65 | 3 |
| con010 | Control | Female | 12 | 28347265 | 28496693 | 149429 | rs7316831 | rs10771427 | 32 | 1 |
| con045 | Control | Male | 12 | 28394989 | 28496693 | 101705 | rs11049548 | rs10771427 | 22 | 1 |
| 62373 | Control | Female | 12 | 31101381 | 31298174 | 196794 | rs244496 | rs1025624 | 32 | 3 |
| 1780 | Affected | Female | 12 | 31132612 | 31298174 | 165563 | rs10843881 | rs1025624 | 30 | 3 |
| 06D6475 | Control | Male | 12 | 31152226 | 31296067 | 143842 | rs731137 | rs658587 | 27 | 3 |
| 52213 | Affected | Male | 12 | 31152226 | 31298174 | 145949 | rs731137 | rs1025624 | 29 | 3 |
| 30842 | Affected | Male | 12 | 31152226 | 31298174 | 145949 | rs731137 | rs1025624 | 29 | 3 |
| 71064 | Affected | Male | 12 | 31157554 | 31293957 | 136404 | rs4931434 | rs684454 | 25 | 3 |
| 61381 | Control | Male | 12 | 31157554 | 31296067 | 138514 | rs4931434 | rs658587 | 26 | 3 |
| 52566 | Control | Female | 12 | 31157554 | 31296067 | 138514 | rs4931434 | rs658587 | 26 | 3 |
| 60518 | Control | Male | 12 | 31157554 | 31296067 | 138514 | rs4931434 | rs658587 | 26 | 3 |
| 11356 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 60235 | Affected | Female | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 06D6418 | Control | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 60095 | Control | Female | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 51888 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 52236 | Control | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 60531 | Control | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 62073 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 30921 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 71128 | Control | Female | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 20229 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 20532 | Affected | Male | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 11332 | Affected | Female | 12 | 31157554 | 31298174 | 140621 | rs4931434 | rs1025624 | 28 | 3 |
| 61034 | Control | Female | 12 | 31157554 | 31300846 | 143293 | rs4931434 | rs617372 | 29 | 3 |
| 61641 | Affected | Female | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |

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| 61332 | Affected | Male | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 70492 | Affected | Female | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 71417 | Affected | Male | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 70192 | Affected | Female | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 20635 | Affected | Female | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 51644 | Affected | Female | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 50079 | Affected | Male | 12 | 31180151 | 31298174 | 118024 | rs4931444 | rs1025624 | 27 | 3 |
| 960334 | Affected | Male | 12 | 31187184 | 31298174 | 110991 | rs10843893 | rs1025624 | 26 | 3 |
| 52346 | Affected | Male | 12 | 31187184 | 31298174 | 110991 | rs10843893 | rs1025624 | 26 | 3 |
| 51760 | Affected | Male | 12 | 31187184 | 31298174 | 110991 | rs10843893 | rs1025624 | 26 | 3 |
| 52172 | Control | Female | 12 | 38853914 | 39058810 | 204897 | rs2638247 | rs11176330 | 73 | 1 |
| 62169 | Control | Male | 12 | 45537094 | 45768933 | 231840 | rs2263487 | rs739706 | 41 | 3 |
| 30763 | Control | Male | 12 | 46227031 | 46330773 | 103743 | rs7958908 | rs1233057 | 23 | 4 |
| 61291 | Affected | Male | 12 | 49517328 | 49666499 | 149172 | rs10876099 | rs149411 | 24 | 3 |
| 20481 | Affected | Male | 12 | 54945126 | 55139498 | 194373 | rs1274500 | rs7313455 | 23 | 3 |
| 52222 | Affected | Male | 12 | 82033274 | 82157215 | 123942 | rs11115597 | rs12426701 | 35 | 3 |
| 50186 | Affected | Male | 12 | 112749210 | 112962947 | 213738 | rs11066776 | rs11066904 | 67 | 3 |
| 70357 | Affected | Male | 12 | 5448916 | 5499193 | 50278 | rs12370969 | rs4073042 | 22 | 3 |
| 62586 | Control | Male | 12 | 50993015 | 51047946 | 54932 | rs4761861 | rs1791625 | 25 | 3 |
| 40133 | Affected | Male | 12 | 7932188 | 7990569 | 58382 | rs17800848 | rs1473164 | 13 | 1 |
| 10078 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 11290 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 11336 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 11554 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 20355 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 20498 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 20511 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 30832 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 50331 | Affected | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 51723 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 70026 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 71174 | Affected | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |

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| 52192 | Control | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 52323 | Control | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 61703 | Control | Female | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 06D6905 | Control | Male | 12 | 31895437 | 31954269 | 58833 | rs7980890 | rs1150990 | 24 | 3 |
| 970814 | Control | Female | 12 | 50981897 | 51043180 | 61284 | rs1894033 | rs10876280 | 30 | 3 |
| 993 | Affected | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 11318 | Affected | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 20406 | Affected | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 61983 | Affected | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 30926 | Control | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 60191 | Control | Female | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 61060 | Control | Female | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 61383 | Control | Female | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 70518 | Control | Male | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 71036 | Control | Female | 12 | 31892782 | 31954269 | 61488 | rs2128611 | rs1150990 | 25 | 3 |
| 10972 | Affected | Male | 12 | 21169459 | 21232363 | 62905 | rs11045776 | rs11045834 | 24 | 1 |
| 20484 | Affected | Male | 12 | 94821290 | 94884637 | 63348 | rs6538683 | rs1025607 | 27 | 1 |
| 40206 | Affected | Male | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 50167 | Affected | Male | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 61226 | Affected | Female | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 72791 | Affected | Male | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 52369 | Control | Female | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 52571 | Control | Female | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 60223 | Control | Male | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 71070 | Control | Female | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 06D6264 | Control | Male | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 06D6265 | Control | Female | 12 | 31889248 | 31954269 | 65022 | rs2186010 | rs1150990 | 26 | 3 |
| 60811 | Control | Male | 12 | 50981897 | 51047946 | 66050 | rs1894033 | rs1791625 | 31 | 3 |
| 52331 | Affected | Male | 12 | 31226070 | 31293957 | 67888 | rs11051303 | rs684454 | 20 | 3 |
| 62851 | Affected | Female | 12 | 64079 | 132302 | 68224 | rs4980929 | rs2887340 | 23 | 3 |
| 52398 | Control | Male | 12 | 19384370 | 19452810 | 68441 | rs10770476 | rs7304081 | 16 | 3 |
| 06D6339 | Control | Female | 12 | 19384370 | 19452810 | 68441 | rs10770476 | rs7304081 | 16 | 3 |

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| 1227 | Affected | Female | 12 | 80099826 | 80169986 | 70161 | rs12425311 | rs1921057 | 11 | 3 |
| 2048 | Affected | Male | 12 | 106929893 | 107000267 | 70375 | rs1896058 | rs17318454 | 16 | 1 |
| 30845 | Affected | Male | 12 | 106929893 | 107000267 | 70375 | rs1896058 | rs17318454 | 16 | 1 |
| 60804 | Control | Male | 12 | 50993015 | 51063780 | 70766 | rs4761861 | rs2245203 | 33 | 3 |
| 1975 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 51857 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 52492 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 52499 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 62895 | Affected | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 62940 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 970557 | Affected | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 51516 | Control | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 60838 | Control | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 61054 | Control | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 61060 | Control | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 61238 | Control | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 61447 | Control | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 71214 | Control | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 970814 | Control | Female | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 06D6314 | Control | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| con077 | Control | Male | 12 | 31226070 | 31298174 | 72105 | rs11051303 | rs1025624 | 23 | 3 |
| 11328 | Affected | Male | 12 | 19396664 | 19469374 | 72711 | rs11044508 | rs2961365 | 16 | 3 |
| 70585 | Affected | Male | 12 | 50994687 | 51068408 | 73722 | rs2857671 | rs949385 | 33 | 3 |
| 30929 | Control | Male | 12 | 31226070 | 31300846 | 74777 | rs11051303 | rs617372 | 24 | 3 |
| 50585 | Control | Male | 12 | 31226070 | 31300846 | 74777 | rs11051303 | rs617372 | 24 | 3 |
| 41877 | Affected | Male | 12 | 122685936 | 122761809 | 75874 | rs11572920 | rs7399224 | 12 | 3 |
| 72577 | Affected | Male | 12 | 7913199 | 7990569 | 77371 | rs10846078 | rs1473164 | 17 | 1 |
| con086 | Control | Female | 12 | 127753095 | 127830791 | 77697 | rs7968958 | rs12299194 | 36 | 3 |
| 52450 | Affected | Male | 12 | 21909431 | 21988568 | 79138 | rs697252 | rs1517272 | 14 | 1 |
| 52368 | Affected | Female | 12 | 130299179 | 130380887 | 81709 | rs12819042 | rs11608663 | 25 | 1 |
| 30835 | Affected | Male | 12 | 130296270 | 130378451 | 82182 | rs4387437 | rs4759915 | 26 | 1 |
| 70552 | Affected | Male | 12 | 130296270 | 130378451 | 82182 | rs4387437 | rs4759915 | 26 | 1 |

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| 11252 | Affected | Female | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 11314 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 20352 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 20420 | Affected | Female | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 20497 | Affected | Female | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 20503 | Affected | Female | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 51652 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 52396 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 60343 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 960361 | Affected | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 51223 | Control | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 52555 | Control | Male | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 62662 | Control | Female | 12 | 130296270 | 130380887 | 84618 | rs4387437 | rs11608663 | 27 | 1 |
| 2050 | Affected | Male | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 20631 | Affected | Male | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 30959 | Affected | Male | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 52138 | Affected | Female | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 52527 | Affected | Male | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 71456 | Affected | Female | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 51880 | Control | Female | 12 | 19384370 | 19469374 | 85005 | rs10770476 | rs2961365 | 18 | 3 |
| 1679 | Affected | Male | 12 | 50977370 | 51063780 | 86411 | rs949387 | rs2245203 | 43 | 3 |
| 50851 | Affected | Male | 12 | 50977370 | 51063780 | 86411 | rs949387 | rs2245203 | 43 | 3 |
| 51133 | Control | Male | 12 | 50977370 | 51063780 | 86411 | rs949387 | rs2245203 | 43 | 3 |
| 62076 | Control | Female | 12 | 50977370 | 51063780 | 86411 | rs949387 | rs2245203 | 43 | 3 |
| 20605 | Affected | Male | 12 | 50978474 | 51068408 | 89935 | rs17706759 | rs949385 | 43 | 3 |
| 70518 | Control | Male | 12 | 50977370 | 51068408 | 91039 | rs949387 | rs949385 | 44 | 3 |
| 11323 | Affected | Male | 12 | 7899399 | 7990569 | 91171 | rs2889504 | rs1473164 | 20 | 3 |
| 61818 | Affected | Male | 12 | 7899399 | 7990569 | 91171 | rs2889504 | rs1473164 | 20 | 1 |
| 70746 | Affected | Male | 12 | 7888157 | 7979494 | 91338 | rs11056079 | rs2244822 | 20 | 3 |
| 61911 | Control | Male | 12 | 80451775 | 80544068 | 92294 | rs7304553 | rs12826603 | 22 | 3 |
| 1477 | Affected | Male | 12 | 130288474 | 130380887 | 92414 | rs10848321 | rs11608663 | 30 | 1 |
| 30793 | Affected | Male | 12 | 19358223 | 19452810 | 94588 | rs7297169 | rs7304081 | 19 | 3 |

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| 52049 | Control | Female | 12 | 31202342 | 31298174 | 95833 | rs7953222 | rs1025624 | 24 | 3 |
| 52501 | Control | Male | 12 | 31202342 | 31298174 | 95833 | rs7953222 | rs1025624 | 24 | 3 |
| 06D6179 | Control | Male | 12 | 53600613 | 53697983 | 97371 | rs11831847 | rs17116813 | 34 | 1 |
| 42018 | Affected | Male | 12 | 7884583 | 7982106 | 97524 | rs2889545 | rs7309332 | 23 | 3 |
| 60816 | Affected | Male | 12 | 7884583 | 7982106 | 97524 | rs2889545 | rs7309332 | 23 | 3 |
| 71268 | Affected | Female | 12 | 7884583 | 7982106 | 97524 | rs2889545 | rs7309332 | 23 | 3 |
| 62940 | Affected | Male | 12 | 46232064 | 46330773 | 98710 | rs2214527 | rs1233057 | 22 | 3 |
| 61210 | Control | Female | 12 | 16358963 | 16457819 | 98857 | rs10772921 | rs6488844 | 28 | 3 |
| 52617 | Affected | Female | 12 | 7891603 | 7990569 | 98967 | rs7965203 | rs1473164 | 22 | 1 |
| 61025 | Affected | Male | 12 | 7891603 | 7990569 | 98967 | rs7965203 | rs1473164 | 22 | 1 |
| 61332 | Affected | Male | 12 | 7891603 | 7990569 | 98967 | rs7965203 | rs1473164 | 22 | 1 |
| 30803 | Affected | Male | 12 | 130281795 | 130380887 | 99093 | rs7295155 | rs11608663 | 33 | 1 |
| 61283 | Control | Male | 13 | 23138331 | 23310180 | 171850 | rs8001054 | rs17079410 | 42 | 3 |
| 06D6232 | Control | Male | 13 | 23381053 | 23830645 | 449593 | rs7337921 | rs17077827 | 206 | 3 |
| con052 | Control | Female | 13 | 23802315 | 24108959 | 306645 | rs3979307 | rs17080865 | 49 | 1 |
| 62732 | Affected | Female | 13 | 30670353 | 31100333 | 429981 | rs9598993 | rs9603395 | 96 | 1 |
| 980012 | Control | Female | 13 | 56690719 | 56930507 | 239789 | rs9563481 | rs1449571 | 30 | 1 |
| 62522 | Control | Male | 13 | 69262275 | 69681012 | 418738 | rs9572286 | rs2225216 | 104 | 1 |
| 20482 | Affected | Male | 13 | 75319632 | 75516975 | 197344 | rs9530473 | rs9573726 | 74 | 3 |
| con023 | Control | Female | 13 | 90843580 | 91097610 | 254031 | rs9523322 | rs16946366 | 65 | 1 |
| 40580 | Affected | Female | 13 | 90859879 | 91097610 | 237732 | rs9523330 | rs16946366 | 63 | 1 |
| 60886 | Affected | Male | 13 | 90859879 | 91102975 | 243097 | rs9523330 | rs3852115 | 64 | 1 |
| 60705 | Control | Male | 13 | 92612027 | 92951673 | 339647 | rs319533 | rs7332793 | 91 | 3 |
| 51552 | Control | Female | 13 | 106353066 | 106713791 | 360726 | rs9301169 | rs1819243 | 97 | 3 |
| 61649 | Control | Female | 13 | 112241985 | 112406585 | 164601 | rs9550130 | rs282578 | 36 | 3 |
| 20532 | Affected | Male | 13 | 24172526 | 24229027 | 56502 | rs3783061 | rs3803217 | 16 | 3 |
| 20056 | Affected | Male | 13 | 41477528 | 41534943 | 57416 | rs17062708 | rs943390 | 18 | 3 |
| 50079 | Affected | Male | 13 | 91035934 | 91097610 | 61677 | rs9523366 | rs16946366 | 20 | 1 |
| 970555 | Affected | Male | 13 | 110480001 | 110542939 | 62939 | rs9522086 | rs958378 | 18 | 3 |
| 52144 | Control | Male | 13 | 110480001 | 110542939 | 62939 | rs9522086 | rs958378 | 18 | 3 |
| 61272 | Control | Male | 13 | 110483173 | 110547117 | 63945 | rs7991093 | rs7983441 | 18 | 3 |
| 60209 | Control | Female | 13 | 106990121 | 107055221 | 65101 | rs2809285 | rs957788 | 22 | 1 |

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| 11087 | Affected | Male | 13 | 110480001 | 110547117 | 67117 | rs9522086 | rs7983441 | 19 | 3 |
| 20064 | Affected | Male | 13 | 110480001 | 110547117 | 67117 | rs9522086 | rs7983441 | 19 | 3 |
| 52546 | Affected | Male | 13 | 110480001 | 110547117 | 67117 | rs9522086 | rs7983441 | 19 | 3 |
| 60955 | Control | Male | 13 | 110480001 | 110547117 | 67117 | rs9522086 | rs7983441 | 19 | 3 |
| 30721 | Control | Male | 13 | 94740493 | 94817355 | 76863 | rs7330673 | rs2389251 | 33 | 3 |
| 20618 | Affected | Male | 13 | 27800008 | 27877480 | 77473 | rs3794400 | rs10507384 | 20 | 3 |
| 61619 | Control | Male | 13 | 91759152 | 91836914 | 77763 | rs7327328 | rs9301803 | 17 | 3 |
| 70590 | Affected | Male | 13 | 107159560 | 107238344 | 78785 | rs9783586 | rs9555408 | 25 | 1 |
| 70282 | Control | Male | 13 | 99774563 | 99853489 | 78927 | rs16957301 | rs9557426 | 11 | 1 |
| con096 | Control | Female | 13 | 19386212 | 19472373 | 86162 | rs1413477 | rs6490506 | 12 | 3 |
| 30808 | Control | Male | 13 | 110480001 | 110571109 | 91109 | rs9522086 | rs9555773 | 23 | 3 |
| 970543 | Control | Female | 14 | 89070864 | 89729892 | 659029 | rs386276 | rs7155680 | 153 | 4 |
| 06D6347 | Control | Female | 14 | 22230034 | 22334110 | 104077 | rs7140697 | rs8008860 | 33 | 3 |
| 70053 | Control | Male | 14 | 34023130 | 34289096 | 265967 | rs8011759 | rs2010608 | 46 | 3 |
| 62551 | Control | Female | 14 | 43889940 | 44001343 | 111404 | rs10136083 | rs1953572 | 27 | 3 |
| 860 | Affected | Male | 14 | 80469445 | 80601507 | 132063 | rs2195101 | rs11845164 | 37 | 1 |
| 2048 | Affected | Male | 14 | 88246365 | 88535786 | 289422 | rs10135487 | rs763313 | 41 | 3 |
| 06D6297 | Control | Male | 14 | 103056893 | 103480058 | 423166 | rs2071407 | rs17101957 | 48 | 3 |
| 30661 | Affected | Male | 14 | 71811439 | 71865114 | 53676 | rs10483843 | rs1996661 | 15 | 1 |
| 31077 | Affected | Female | 14 | 71811439 | 71865114 | 53676 | rs10483843 | rs1996661 | 15 | 1 |
| 50324 | Affected | Male | 14 | 34425051 | 34489343 | 64293 | rs1400745 | rs1568200 | 12 | 3 |
| 51058 | Affected | Female | 15 | 25468061 | 26017833 | 549773 | rs11858785 | rs7495174 | 152 | 3 |
| 1880 | Affected | Male | 15 | 28723577 | 30302218 | 1578642 | rs2046362 | rs4779984 | 287 | 1 |
| 61525 | Affected | Female | 15 | 28723577 | 30302218 | 1578642 | rs2046362 | rs4779984 | 287 | 1 |
| 20400 | Affected | Male | 15 | 28723577 | 30302218 | 1578642 | rs2046362 | rs4779984 | 287 | 1 |
| con012 | Control | Male | 15 | 30713368 | 33237841 | 2524474 | rs11632524 | rs11854468 | 872 | 1 |
| 51858 | Affected | Male | 15 | 51420702 | 52517515 | 1096814 | rs272789 | rs2414315 | 338 | 1 |
| 61910 | Control | Female | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 70208 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 62594 | Control | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 62308 | Control | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 960149 | Affected | Female | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 61659 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 31119 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 1 |
| 61921 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 60924 | Control | Female | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 30841 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 20400 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 11318 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 60360 | Affected | Male | 15 | 20306549 | 20778963 | 472415 | rs8040193 | rs1976210 | 116 | 3 |
| 60372 | Control | Female | 15 | 20330244 | 20778963 | 448720 | rs6606788 | rs1976210 | 111 | 3 |
| 61691 | Control | Male | 15 | 20335459 | 20778963 | 443505 | rs12900257 | rs1976210 | 109 | 3 |
| con093 | Control | Male | 15 | 20342795 | 20778963 | 436169 | rs6606792 | rs1976210 | 107 | 3 |
| 61138 | Affected | Female | 15 | 20342795 | 20778963 | 436169 | rs6606792 | rs1976210 | 107 | 3 |
| 50585 | Control | Male | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 61470 | Affected | Male | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 51769 | Affected | Male | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 971 | Affected | Female | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 61748 | Affected | Male | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 62505 | Affected | Male | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 20420 | Affected | Female | 15 | 21905523 | 22036253 | 130731 | rs8032590 | rs2007159 | 16 | 1 |
| 06D6179 | Control | Male | 15 | 21905523 | 22083695 | 178173 | rs8032590 | rs1532517 | 18 | 1 |
| 61332 | Affected | Male | 15 | 21905523 | 22083695 | 178173 | rs8032590 | rs1532517 | 18 | 1 |
| 06D6472 | Control | Female | 15 | 21905523 | 22083695 | 178173 | rs8032590 | rs1532517 | 18 | 1 |
| 993 | Affected | Male | 15 | 21920736 | 22036253 | 115518 | rs1110961 | rs2007159 | 15 | 1 |
| 10997 | Affected | Male | 15 | 21920736 | 22036253 | 115518 | rs1110961 | rs2007159 | 15 | 3 |
| 50422 | Affected | Male | 15 | 25818619 | 25950357 | 131739 | rs2871886 | rs13329466 | 36 | 3 |
| 70862 | Control | Male | 15 | 29807358 | 30231488 | 424131 | rs10459624 | rs2337980 | 83 | 3 |
| 30770 | Control | Male | 15 | 29807358 | 30302218 | 494861 | rs10459624 | rs4779984 | 89 | 3 |
| 70651 | Control | Male | 15 | 32145617 | 32300108 | 154492 | rs541098 | rs7169884 | 22 | 1 |
| 51438 | Affected | Male | 15 | 32505886 | 32769676 | 263791 | rs3894644 | rs8026592 | 52 | 1 |
| 970679 | Control | Female | 15 | 32575858 | 32779408 | 203551 | rs3812940 | rs4924132 | 50 | 1 |
| 70669 | Control | Female | 15 | 42882488 | 42992246 | 109759 | rs10152725 | rs4082812 | 13 | 1 |
| 62567 | Control | Male | 15 | 48767030 | 48987325 | 220296 | rs8027597 | rs2249535 | 31 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 61752 | Control | Male | 15 | 52559172 | 52761719 | 202548 | rs4641682 | rs6493701 | 46 | 1 |
| 30624 | Affected | Male | 15 | 55431559 | 55544803 | 113245 | rs935322 | rs1995989 | 67 | 3 |
| 06D6906 | Control | Female | 15 | 55431559 | 55544803 | 113245 | rs935322 | rs1995989 | 67 | 3 |
| 51769 | Affected | Male | 15 | 55431559 | 55563118 | 131560 | rs935322 | rs12148280 | 79 | 3 |
| 52192 | Control | Male | 15 | 55431559 | 55563118 | 131560 | rs935322 | rs12148280 | 79 | 3 |
| 51911 | Affected | Male | 15 | 57055702 | 57182476 | 126775 | rs2899637 | rs10851643 | 17 | 1 |
| 1826 | Affected | Male | 15 | 75697257 | 76189313 | 492057 | rs907396 | rs3784327 | 84 | 3 |
| 60946 | Control | Male | 15 | 83626571 | 83886780 | 260210 | rs6496932 | rs2169876 | 50 | 3 |
| 70251 | Control | Female | 15 | 84206708 | 84486939 | 280232 | rs1986595 | rs4887198 | 61 | 3 |
| 51450 | Control | Male | 15 | 88650522 | 88753236 | 102715 | rs6496649 | rs2589948 | 27 | 3 |
| 71322 | Control | Female | 15 | 96539696 | 96960825 | 421130 | rs1552050 | rs6598534 | 142 | 3 |
| 52497 | Control | Female | 15 | 98197646 | 98316888 | 119243 | rs11635811 | rs745104 | 24 | 1 |
| 30856 | Control | Male | 15 | 98202923 | 98310312 | 107390 | rs11855477 | rs1347478 | 22 | 1 |
| 60099 | Affected | Female | 15 | 98202923 | 98316888 | 113966 | rs11855477 | rs745104 | 23 | 1 |
| 60714 | Control | Female | 15 | 98521675 | 98711322 | 189648 | rs12437498 | rs13380040 | 81 | 1 |
| 61241 | Control | Male | 15 | 99852790 | 99964634 | 111845 | rs2047222 | rs4965905 | 53 | 3 |
| 41727 | Affected | Male | 15 | 97299355 | 97357475 | 58121 | rs2684799 | rs7177074 | 30 | 3 |
| 61619 | Control | Male | 15 | 32658588 | 32719522 | 60935 | rs2879515 | rs1836973 | 19 | 1 |
| 52044 | Affected | Male | 15 | 97298194 | 97367760 | 69567 | rs11635251 | rs2654976 | 32 | 3 |
| 61170 | Affected | Male | 15 | 58332482 | 58409103 | 76622 | rs16942348 | rs8033985 | 25 | 1 |
| 11375 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 4 |
| 40006 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 4 |
| 1086 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 1109 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 1110 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 1826 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 11188 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 11290 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20231 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20420 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20459 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20496 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |

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| 20604 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20650 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20688 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 30814 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 40133 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 40207 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 40580 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 50334 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 50638 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 50852 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 51276 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 51465 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 51603 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 60666 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61004 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61070 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61357 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61389 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61748 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61753 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61754 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62340 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62548 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62940 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 70357 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 20153 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 20425 | Affected | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 70105 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 960101 | Affected | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 52172 | Control | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 52262 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 52286 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |

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| 52555 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 60039 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 60484 | Control | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 60781 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61013 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 61275 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62566 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62567 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 62897 | Control | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 1 |
| 970786 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 06D6852 | Control | Female | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 06D7022 | Control | Male | 15 | 32505886 | 32587887 | 82002 | rs3894644 | rs4924714 | 11 | 0 |
| 970166 | Affected | Male | 15 | 99975177 | 100066701 | 91525 | rs7168948 | rs8038125 | 12 | 3 |
| 72543 | Control | Male | 15 | 20330244 | 20425225 | 94982 | rs6606788 | rs548 | 26 | 1 |
| 06D6921 | Control | Female | 15 | 55441044 | 55538982 | 97939 | rs4553565 | rs10048047 | 49 | 3 |
| 71493 | Affected | Male | 16 | 15032942 | 16197033 | 1164092 | rs4985124 | rs8056397 | 201 | 3 |
| 980503 | Affected | Male | 16 | 15032942 | 16197033 | 1164092 | rs4985124 | rs8056397 | 201 | 3 |
| 50218 | Affected | Male | 16 | 15032942 | 16197033 | 1164092 | rs4985124 | rs8056397 | 201 | 3 |
| 30891 | Control | Male | 16 | 15032942 | 16197033 | 1164092 | rs4985124 | rs8056397 | 201 | 3 |
| 30929 | Control | Male | 16 | 15192528 | 15829459 | 636932 | rs11075260 | rs216166 | 82 | 3 |
| 61415 | Control | Female | 16 | 15192528 | 16197033 | 1004506 | rs11075260 | rs8056397 | 190 | 3 |
| 30929 | Control | Male | 16 | 16880637 | 18072544 | 1191908 | rs4496122 | rs9284326 | 285 | 3 |
| 51452 | Control | Male | 16 | 80739605 | 82222770 | 1483166 | rs1056629 | rs12449206 | 822 | 3 |
| 71252 | Affected | Female | 16 | 80739605 | 82222770 | 1483166 | rs1056629 | rs12449206 | 822 | 3 |
| 51588 | Affected | Male | 16 | 80759119 | 82222770 | 1463652 | rs7205534 | rs12449206 | 811 | 3 |
| 11082 | Affected | Female | 16 | 6573081 | 6681580 | 108500 | rs8044704 | rs7204582 | 73 | 1 |
| 62891 | Control | Male | 16 | 6795938 | 6928412 | 132475 | rs6500840 | rs11077116 | 68 | 3 |
| 20227 | Affected | Male | 16 | 6972054 | 7132653 | 160600 | rs4287581 | rs12445853 | 74 | 1 |
| 51961 | Control | Female | 16 | 7619581 | 8116843 | 497263 | rs3785228 | rs8050359 | 190 | 3 |
| 970560 | Control | Male | 16 | 8797034 | 8956611 | 159578 | rs1864 | rs10500366 | 39 | 3 |
| 60972 | Affected | Male | 16 | 8803595 | 8947820 | 144226 | rs2304469 | rs2248797 | 31 | 3 |
| 31115 | Affected | Male | 16 | 15420076 | 15561832 | 141757 | rs3844608 | rs9923708 | 18 | 3 |

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| 30929 | Control | Male | 16 | 16002946 | 16197033 | 194088 | rs4780585 | rs8056397 | 72 | 3 |
| con093 | Control | Male | 16 | 16767302 | 17091142 | 323841 | rs11649230 | rs4533273 | 73 | 3 |
| 31067 | Affected | Male | 16 | 21482719 | 21647775 | 165057 | rs13339281 | rs8050407 | 19 | 1 |
| 62881 | Affected | Male | 16 | 21482719 | 21647775 | 165057 | rs13339281 | rs8050407 | 19 | 3 |
| 72730 | Affected | Male | 16 | 21856623 | 22163399 | 306777 | rs2945466 | rs2303188 | 32 | 3 |
| 20604 | Affected | Female | 16 | 21922143 | 22331199 | 409057 | rs4281695 | rs12446433 | 43 | 3 |
| 70372 | Affected | Male | 16 | 22581356 | 22685278 | 103923 | rs2887622 | rs209462 | 20 | 3 |
| 61649 | Control | Female | 16 | 22581356 | 22685278 | 103923 | rs2887622 | rs209462 | 20 | 3 |
| 11375 | Affected | Male | 16 | 74798976 | 75087696 | 288721 | rs2194295 | rs17767530 | 78 | 1 |
| 06D6268 | Control | Female | 16 | 75830083 | 75976742 | 146660 | rs4887899 | rs2454935 | 65 | 1 |
| 50638 | Affected | Male | 16 | 75883998 | 75988077 | 104080 | rs9932232 | rs17620846 | 56 | 1 |
| 61542 | Affected | Male | 16 | 76180501 | 76535568 | 355068 | rs12925765 | rs7189161 | 198 | 3 |
| 06D6321 | Control | Female | 16 | 76943796 | 77083313 | 139518 | rs4624193 | rs12716855 | 39 | 1 |
| con057 | Control | Male | 16 | 82398662 | 82502789 | 104128 | rs41103 | rs12598185 | 47 | 1 |
| 61389 | Affected | Male | 16 | 83663144 | 83786163 | 123020 | rs12597135 | rs7200824 | 41 | 3 |
| 20603 | Affected | Male | 16 | 86225098 | 86592857 | 367760 | rs16943093 | rs4843294 | 87 | 3 |
| 70631 | Affected | Female | 16 | 88171502 | 88317399 | 145898 | rs455527 | rs6500437 | 18 | 3 |
| 30889 | Control | Female | 16 | 76578045 | 76629008 | 50964 | rs7192427 | rs4309408 | 23 | 1 |
| 62859 | Control | Female | 16 | 76578045 | 76629008 | 50964 | rs7192427 | rs4309408 | 23 | 1 |
| 10594 | Affected | Female | 16 | 76619660 | 76674781 | 55122 | rs2075738 | rs7184271 | 23 | 1 |
| 50160 | Affected | Male | 16 | 6810629 | 6869537 | 58909 | rs12919350 | rs2172308 | 31 | 1 |
| 60955 | Control | Male | 16 | 76860767 | 76922628 | 61862 | rs4508428 | rs3924959 | 24 | 1 |
| 61205 | Control | Female | 16 | 76860767 | 76922628 | 61862 | rs4508428 | rs3924959 | 24 | 1 |
| 60805 | Control | Female | 16 | 7073249 | 7136047 | 62799 | rs1478713 | rs899308 | 45 | 3 |
| 62443 | Control | Female | 16 | 29554843 | 29618844 | 64002 | rs9926100 | rs7195050 | 14 | 3 |
| con017 | Control | Male | 16 | 76860767 | 76925315 | 64549 | rs4508428 | rs8052110 | 25 | 1 |
| 60946 | Control | Male | 16 | 4120912 | 4185910 | 64999 | rs917011 | rs11865087 | 18 | 1 |
| 70368 | Affected | Male | 16 | 75813236 | 75879447 | 66212 | rs13338146 | rs4887902 | 23 | 1 |
| 61746 | Affected | Male | 16 | 82613399 | 82683859 | 70461 | rs2875853 | rs11149625 | 34 | 3 |
| 20474 | Affected | Male | 16 | 81513721 | 81602166 | 88446 | rs12102479 | rs12925746 | 49 | 1 |
| 62236 | Control | Male | 16 | 79761582 | 79852394 | 90813 | rs12934430 | rs6564863 | 30 | 3 |
| 71453 | Control | Female | 16 | 6237353 | 6331875 | 94523 | rs13331533 | rs1640881 | 44 | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 62376 | Affected | Male | 17 | 31889664 | 33323543 | 1433880 | rs8067765 | rs306801 | 268 | 1 |
| 62835 | Affected | Male | 17 | 69345596 | 70135450 | 789855 | rs1585804 | rs491192 | 219 | 3 |
| 20616 | Affected | Male | 17 | 69345596 | 70164827 | 819232 | rs1585804 | rs8081794 | 231 | 3 |
| 62426 | Affected | Female | 17 | 69346926 | 70160715 | 813790 | rs12948360 | rs513805 | 227 | 3 |
| 11305 | Affected | Male | 17 | 70869854 | 71746800 | 876947 | rs9899687 | rs9903178 | 123 | 3 |
| 60363 | Control | Female | 17 | 51088 | 163278 | 112191 | rs4890183 | rs4073769 | 36 | 3 |
| 30724 | Control | Male | 17 | 73263 | 399648 | 326386 | rs8078223 | rs3744734 | 65 | 3 |
| 1984 | Affected | Female | 17 | 1151041 | 1337249 | 186209 | rs4790823 | rs2358973 | 42 | 3 |
| 61919 | Control | Female | 17 | 6699238 | 6801331 | 102094 | rs4510074 | rs17732181 | 19 | 1 |
| 20498 | Affected | Male | 17 | 6699238 | 6801331 | 102094 | rs4510074 | rs17732181 | 19 | 1 |
| 52338 | Affected | Male | 17 | 21628545 | 21755434 | 126890 | rs1478999 | rs6565378 | 14 | 1 |
| 50083 | Affected | Male | 17 | 21628545 | 21755434 | 126890 | rs1478999 | rs6565378 | 14 | 1 |
| 70515 | Affected | Male | 17 | 21628545 | 21755434 | 126890 | rs1478999 | rs6565378 | 14 | 3 |
| 20480 | Affected | Male | 17 | 30154039 | 30312476 | 158438 | rs1860199 | rs9635769 | 25 | 1 |
| 51379 | Affected | Male | 17 | 31309506 | 31413531 | 104026 | rs4796143 | rs1467288 | 24 | 3 |
| 11294 | Affected | Male | 17 | 3451964 | 3502173 | 50210 | rs222738 | rs4790530 | 18 | 1 |
| 60805 | Control | Female | 17 | 3451964 | 3502173 | 50210 | rs222738 | rs4790530 | 18 | 1 |
| 06D6215 | Control | Male | 17 | 3451964 | 3502173 | 50210 | rs222738 | rs4790530 | 18 | 1 |
| 60924 | Control | Female | 17 | 33243095 | 33297438 | 54344 | rs4794762 | rs10512474 | 19 | 1 |
| 50943 | Control | Female | 17 | 9242675 | 9298196 | 55522 | rs2314640 | rs12946817 | 21 | 1 |
| 960200 | Affected | Male | 17 | 45332410 | 45389028 | 56619 | rs271672 | rs6504627 | 15 | 3 |
| 70038 | Affected | Male | 17 | 76493532 | 76559732 | 66201 | rs9898178 | rs7502124 | 25 | 3 |
| 61480 | Control | Male | 17 | 4257388 | 4324728 | 67341 | rs7207359 | rs4790198 | 29 | 3 |
| 20618 | Affected | Male | 17 | 76493532 | 76570569 | 77038 | rs9898178 | rs7219486 | 28 | 3 |
| 62019 | Control | Female | 17 | 30708148 | 30787791 | 79644 | rs7211677 | rs2376263 | 19 | 1 |
| 11336 | Affected | Female | 17 | 76490264 | 76570569 | 80306 | rs2280146 | rs7219486 | 29 | 3 |
| 52572 | Affected | Male | 17 | 33243095 | 33323543 | 80449 | rs4794762 | rs306801 | 22 | 3 |
| 50331 | Affected | Male | 17 | 30708148 | 30792312 | 84165 | rs7211677 | rs1822403 | 20 | 1 |
| 06D6906 | Control | Female | 17 | 30708148 | 30792312 | 84165 | rs7211677 | rs1822403 | 20 | 1 |
| 50639 | Affected | Male | 17 | 53939204 | 54029904 | 90701 | rs2302189 | rs7209650 | 12 | 3 |
| 61202 | Affected | Male | 18 | 2611407 | 2712914 | 101508 | rs7239383 | rs12608077 | 21 | 3 |
| 20643 | Affected | Male | 18 | 3104980 | 3309915 | 204936 | rs8091028 | rs1662813 | 52 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 20643 | Affected | Male | 18 | 6296121 | 6616549 | 320429 | rs1946753 | rs1941508 | 94 | 3 |
| con004 | Control | Female | 18 | 9533988 | 9662334 | 128347 | rs328994 | rs650464 | 31 | 1 |
| 61238 | Control | Male | 18 | 35200784 | 35304682 | 103899 | rs2066945 | rs1681045 | 16 | 1 |
| 71183 | Control | Female | 18 | 62964964 | 63363992 | 399029 | rs7228283 | rs12961019 | 106 | 3 |
| con092 | Control | Female | 18 | 63208880 | 63596654 | 387775 | rs7505354 | rs8083791 | 97 | 1 |
| 06D6442 | Control | Female | 18 | 64795910 | 64897188 | 101279 | rs593385 | rs11875083 | 43 | 1 |
| 06D6715 | Control | Male | 18 | 70233924 | 70294366 | 60443 | rs10445535 | rs9319907 | 25 | 3 |
| 72480 | Affected | Female | 18 | 68477784 | 68538432 | 60649 | rs7244045 | rs10871704 | 21 | 3 |
| 51681 | Affected | Female | 18 | 27223042 | 27305675 | 82634 | rs9946169 | rs8091481 | 18 | 3 |
| 960434 | Affected | Female | 18 | 27223042 | 27305675 | 82634 | rs9946169 | rs8091481 | 18 | 3 |
| 20349 | Affected | Male | 18 | 37655531 | 37745871 | 90341 | rs7240984 | rs9948753 | 24 | 1 |
| 52292 | Affected | Female | 19 | 6846866 | 7056136 | 209271 | rs330876 | rs2967657 | 54 | 3 |
| 52572 | Affected | Male | 19 | 6852891 | 7056136 | 203246 | rs897738 | rs2967657 | 53 | 3 |
| 06D6738 | Control | Female | 19 | 6852891 | 7056136 | 203246 | rs897738 | rs2967657 | 53 | 3 |
| 61355 | Affected | Male | 19 | 6852891 | 7056136 | 203246 | rs897738 | rs2967657 | 53 | 3 |
| 73052 | Control | Male | 19 | 11565605 | 11991477 | 425873 | rs12972855 | rs157185 | 54 | 1 |
| 50503 | Affected | Male | 19 | 20385941 | 20523385 | 137445 | rs918442 | rs10413625 | 14 | 1 |
| 06D6974 | Control | Female | 19 | 20625937 | 20774467 | 148531 | rs274815 | rs396748 | 19 | 3 |
| 31009 | Control | Male | 19 | 20625937 | 20779390 | 153454 | rs274815 | rs393723 | 20 | 3 |
| 71064 | Affected | Male | 19 | 20625937 | 20779390 | 153454 | rs274815 | rs393723 | 20 | 3 |
| 52343 | Control | Male | 19 | 20635716 | 20844764 | 209049 | rs612578 | rs1465430 | 25 | 1 |
| 1653 | Affected | Female | 19 | 42023454 | 42429690 | 406237 | rs1144539 | rs320881 | 42 | 1 |
| 62602 | Affected | Male | 19 | 48231029 | 48387680 | 156652 | rs10418982 | rs4803586 | 16 | 1 |
| 62169 | Control | Male | 19 | 48231029 | 48387680 | 156652 | rs10418982 | rs4803586 | 16 | 3 |
| 10078 | Affected | Male | 19 | 48253562 | 48387680 | 134119 | rs7260189 | rs4803586 | 15 | 3 |
| 10594 | Affected | Female | 19 | 48253562 | 48387680 | 134119 | rs7260189 | rs4803586 | 15 | 3 |
| 61544 | Control | Male | 19 | 48267714 | 48387680 | 119967 | rs3746096 | rs4803586 | 14 | 3 |
| 20634 | Affected | Male | 19 | 56979264 | 57299577 | 320314 | rs7260516 | rs10411428 | 79 | 3 |
| 70200 | Control | Male | 19 | 56979264 | 57310877 | 331614 | rs7260516 | rs3764537 | 80 | 3 |
| 30921 | Affected | Male | 19 | 56979264 | 57310877 | 331614 | rs7260516 | rs3764537 | 80 | 3 |
| 51644 | Affected | Female | 19 | 59423491 | 59536249 | 112759 | rs17207328 | rs1205322 | 32 | 3 |
| 20350 | Affected | Male | 19 | 63118421 | 63270390 | 151970 | rs12981037 | rs2229375 | 27 | 3 |

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| 60360 | Affected | Male | 19 | 12047761 | 12102245 | 54485 | rs7259845 | rs1980136 | 10 | 1 |
| 60678 | Control | Male | 19 | 38023753 | 38087253 | 63501 | rs929816 | rs4805015 | 19 | 1 |
| 52036 | Control | Male | 19 | 48321413 | 48387680 | 66268 | rs2354285 | rs4803586 | 12 | 3 |
| 11294 | Affected | Male | 19 | 58567920 | 58640198 | 72279 | rs12978545 | rs11670677 | 23 | 1 |
| 62308 | Control | Male | 19 | 58567920 | 58640198 | 72279 | rs12978545 | rs11670677 | 23 | 1 |
| 20231 | Affected | Male | 19 | 608666 | 681297 | 72632 | rs3787004 | rs1009690 | 14 | 1 |
| 2030 | Affected | Male | 19 | 58624107 | 58697120 | 73014 | rs12977919 | rs10410999 | 24 | 1 |
| 31119 | Affected | Male | 19 | 58624107 | 58697120 | 73014 | rs12977919 | rs10410999 | 24 | 1 |
| 52492 | Affected | Male | 19 | 58624107 | 58697120 | 73014 | rs12977919 | rs10410999 | 24 | 1 |
| 61723 | Affected | Female | 19 | 58624107 | 58697120 | 73014 | rs12977919 | rs10410999 | 24 | 1 |
| 51371 | Affected | Male | 19 | 53731699 | 53808916 | 77218 | rs16982133 | rs433852 | 25 | 3 |
| 61691 | Control | Male | 19 | 53731699 | 53808916 | 77218 | rs16982133 | rs433852 | 25 | 3 |
| 62511 | Affected | Male | 19 | 58624107 | 58703196 | 79090 | rs12977919 | rs4801988 | 26 | 3 |
| 30891 | Control | Male | 19 | 58624107 | 58703196 | 79090 | rs12977919 | rs4801988 | 26 | 3 |
| con082 | Control | Male | 19 | 58624107 | 58703196 | 79090 | rs12977919 | rs4801988 | 26 | 3 |
| 20613 | Affected | Female | 19 | 58624107 | 58704092 | 79986 | rs12977919 | rs7258566 | 27 | 3 |
| 62776 | Control | Female | 19 | 58624107 | 58704092 | 79986 | rs12977919 | rs7258566 | 27 | 3 |
| con087 | Control | Male | 19 | 58624107 | 58704092 | 79986 | rs12977919 | rs7258566 | 27 | 3 |
| 41451 | Affected | Female | 19 | 58624107 | 58705990 | 81884 | rs12977919 | rs37404 | 28 | 3 |
| 20528 | Affected | Male | 19 | 58624107 | 58705990 | 81884 | rs12977919 | rs37404 | 28 | 1 |
| 60781 | Control | Male | 19 | 58624107 | 58705990 | 81884 | rs12977919 | rs37404 | 28 | 3 |
| 62522 | Control | Male | 19 | 58624107 | 58705990 | 81884 | rs12977919 | rs37404 | 28 | 3 |
| 51681 | Affected | Female | 19 | 34864124 | 34958442 | 94319 | rs8099974 | rs11672342 | 23 | 3 |
| 62851 | Affected | Female | 19 | 46822616 | 46921016 | 98401 | rs929502 | rs12985771 | 19 | 1 |
| 52499 | Affected | Male | 19 | 59440823 | 59539399 | 98577 | rs422948 | rs17836364 | 29 | 1 |
| con037 | Control | Male | 19 | 58028179 | 58128149 | 99971 | rs10401828 | rs11673295 | 19 | 3 |
| 71066 | Affected | Male | 20 | 1674256 | 1796203 | 121948 | rs635029 | rs11698167 | 28 | 3 |
| 52236 | Control | Male | 20 | 7985480 | 8179950 | 194471 | rs1024167 | rs6055692 | 67 | 3 |
| 61250 | Affected | Male | 20 | 8044130 | 8523671 | 479542 | rs6055550 | rs6039206 | 175 | 3 |
| 06D6715 | Control | Male | 20 | 9685413 | 9829109 | 143697 | rs6118717 | rs2327206 | 48 | 3 |
| 62511 | Affected | Male | 20 | 9685413 | 9833653 | 148241 | rs6118717 | rs914596 | 49 | 3 |
| 50943 | Control | Female | 20 | 9685413 | 9833653 | 148241 | rs6118717 | rs914596 | 49 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 30990 | Affected | Male | 20 | 14348165 | 14496676 | 148512 | rs6105269 | rs6110333 | 41 | 1 |
| 51478 | Control | Female | 20 | 14636519 | 14849776 | 213258 | rs17775664 | rs2423846 | 68 | 1 |
| 52506 | Control | Female | 20 | 14645386 | 14849776 | 204391 | rs6079537 | rs2423846 | 67 | 1 |
| 73206 | Control | Female | 20 | 14796659 | 15070743 | 274085 | rs449849 | rs381723 | 95 | 1 |
| 61055 | Control | Male | 20 | 14806910 | 15036585 | 229676 | rs6042957 | rs17357522 | 77 | 1 |
| 52476 | Control | Female | 20 | 14884935 | 15052193 | 167259 | rs2423873 | rs1322112 | 58 | 1 |
| con088 | Control | Female | 20 | 23372638 | 23517400 | 144763 | rs3746737 | rs4346460 | 33 | 1 |
| 52531 | Affected | Male | 20 | 25125805 | 25413589 | 287785 | rs2268879 | rs2281212 | 31 | 3 |
| 62356 | Control | Male | 20 | 32201996 | 32388628 | 186633 | rs1015363 | rs1205339 | 19 | 3 |
| 51987 | Affected | Male | 20 | 40617751 | 40676650 | 58900 | rs6016827 | rs2867488 | 25 | 1 |
| 52527 | Affected | Male | 20 | 40615725 | 40676650 | 60926 | rs6016824 | rs2867488 | 27 | 1 |
| 61577 | Control | Male | 20 | 31224759 | 31289688 | 64930 | rs10485501 | rs6059183 | 12 | 1 |
| 60234 | Control | Male | 20 | 31216437 | 31289688 | 73252 | rs17124254 | rs6059183 | 13 | 1 |
| 71252 | Affected | Female | 20 | 212997 | 295908 | 82912 | rs6082056 | rs6084217 | 22 | 1 |
| 62228 | Affected | Male | 20 | 31859046 | 31948090 | 89045 | rs2064505 | rs2092477 | 21 | 3 |
| 759 | Affected | Male | 20 | 15000514 | 15091806 | 91293 | rs1407327 | rs4813172 | 47 | 1 |
| 1247 | Affected | Male | 20 | 15000514 | 15091806 | 91293 | rs1407327 | rs4813172 | 47 | 1 |
| 61125 | Affected | Male | 20 | 14679595 | 14771472 | 91878 | rs204091 | rs407097 | 46 | 1 |
| 70792 | Affected | Male | 20 | 14695471 | 14788502 | 93032 | rs4141463 | rs6079584 | 42 | 1 |
| 52323 | Control | Female | 21 | 45915789 | 46490760 | 574972 | rs2838973 | rs2839169 | 135 | 3 |
| 52175 | Control | Female | 21 | 14474864 | 14652008 | 177145 | rs17305801 | rs2822624 | 83 | 3 |
| 06D6805 | Control | Male | 21 | 17742119 | 17880187 | 138069 | rs2824306 | rs2824376 | 40 | 3 |
| 70192 | Affected | Female | 21 | 34647599 | 34823160 | 175562 | rs11702479 | rs2243982 | 48 | 3 |
| 61389 | Affected | Male | 21 | 34647599 | 34829283 | 181685 | rs11702479 | rs2834506 | 50 | 3 |
| 11423 | Affected | Male | 21 | 36412525 | 36528540 | 116016 | rs2409758 | rs7280062 | 29 | 3 |
| 06D6223 | Control | Female | 21 | 36412525 | 36528540 | 116016 | rs2409758 | rs7280062 | 29 | 3 |
| 60995 | Affected | Male | 21 | 36412525 | 36528540 | 116016 | rs2409758 | rs7280062 | 29 | 3 |
| 980177 | Affected | Male | 21 | 40373134 | 40500483 | 127350 | rs2254583 | rs13049234 | 56 | 1 |
| 61429 | Affected | Male | 21 | 46391256 | 46601156 | 209901 | rs7282864 | rs11700399 | 46 | 1 |
| 70435 | Affected | Male | 21 | 46761215 | 46823682 | 62468 | rs6518299 | rs2096509 | 30 | 3 |
| 70552 | Affected | Male | 21 | 41794621 | 41863213 | 68593 | rs2187238 | rs12483160 | 20 | 1 |
| con090 | Control | Female | 22 | 15298335 | 15842185 | 543851 | rs2027653 | rs4819932 | 89 | 3 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 50646 | Affected | Male | 22 | 15298335 | 15842185 | 543851 | rs2027653 | rs4819932 | 89 | 3 |
| 51888 | Affected | Male | 22 | 15298335 | 15842185 | 543851 | rs2027653 | rs4819932 | 89 | 3 |
| 71214 | Control | Female | 22 | 15298335 | 15842185 | 543851 | rs2027653 | rs4819932 | 89 | 3 |
| 1502 | Affected | Male | 22 | 17257787 | 19792353 | 2534567 | rs2543958 | rs140392 | 512 | 1 |
| 51371 | Affected | Male | 22 | 19063495 | 19792353 | 728859 | rs6003971 | rs140392 | 177 | 1 |
| 51723 | Affected | Female | 22 | 21328337 | 21995356 | 667020 | rs6003181 | rs6003620 | 127 | 3 |
| 61241 | Control | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 960149 | Affected | Female | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 61642 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 71020 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 61748 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 41889 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 71326 | Control | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 51986 | Control | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 52400 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 20057 | Affected | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 61055 | Control | Male | 22 | 15298335 | 15674251 | 375917 | rs2027653 | rs7291429 | 39 | 3 |
| 30846 | Control | Male | 22 | 15412698 | 15608796 | 196099 | rs5747620 | rs17433377 | 21 | 1 |
| 62884 | Affected | Male | 22 | 15412698 | 15669118 | 256421 | rs5747620 | rs2072466 | 37 | 3 |
| 06D6530 | Control | Female | 22 | 15412698 | 15674251 | 261554 | rs5747620 | rs7291429 | 38 | 3 |
| 980017 | Control | Male | 22 | 15412698 | 15706432 | 293735 | rs5747620 | rs2075120 | 52 | 3 |
| 970406 | Control | Female | 22 | 15412698 | 15706432 | 293735 | rs5747620 | rs2075120 | 52 | 3 |
| 51058 | Affected | Female | 22 | 15467656 | 15674251 | 206596 | rs11089263 | rs7291429 | 33 | 3 |
| 61659 | Affected | Male | 22 | 15563103 | 15674251 | 111149 | rs3016111 | rs7291429 | 23 | 3 |
| 11318 | Affected | Male | 22 | 16006665 | 16214898 | 208234 | rs3788268 | rs9606695 | 59 | 3 |
| 60095 | Control | Female | 22 | 17257787 | 17362097 | 104311 | rs2543958 | rs2913 | 23 | 3 |
| 60099 | Affected | Female | 22 | 17257787 | 17376565 | 118779 | rs2543958 | rs4431035 | 27 | 3 |
| 06D7077 | Control | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 52531 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 970166 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 60237 | Affected | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 20401 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |

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| 60567 | Affected | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 51359 | Control | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 70435 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 20499 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 41452 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 1 |
| 62892 | Control | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 70228 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 06D6216 | Control | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 62547 | Control | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 61473 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 20349 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 60234 | Control | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 30392 | Affected | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 62818 | Control | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 70298 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 20478 | Affected | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 52368 | Affected | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 60330 | Control | Female | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 20505 | Affected | Male | 22 | 17257787 | 17388108 | 130322 | rs2543958 | rs2871006 | 28 | 3 |
| 61703 | Control | Female | 22 | 17257787 | 17406613 | 148827 | rs2543958 | rs2072123 | 30 | 3 |
| 72436 | Affected | Female | 22 | 17257787 | 17413532 | 155746 | rs2543958 | rs5992354 | 32 | 3 |
| 61615 | Affected | Male | 22 | 17270615 | 17388108 | 117494 | rs17742907 | rs2871006 | 27 | 3 |
| 31008 | Control | Female | 22 | 19420148 | 19792353 | 372206 | rs11705170 | rs140392 | 102 | 3 |
| 06D6612 | Control | Female | 22 | 20645312 | 20893068 | 247757 | rs2283797 | rs5750720 | 165 | 3 |
| 06D6761 | Control | Female | 22 | 20645312 | 20903637 | 258326 | rs2283797 | rs12159423 | 170 | 3 |
| 990265 | Affected | Female | 22 | 20645312 | 20903637 | 258326 | rs2283797 | rs12159423 | 170 | 3 |
| 20404 | Affected | Male | 22 | 20645312 | 20903637 | 258326 | rs2283797 | rs12159423 | 170 | 3 |
| 61202 | Affected | Male | 22 | 20645312 | 20903637 | 258326 | rs2283797 | rs12159423 | 170 | 3 |
| 11291 | Affected | Male | 22 | 20645312 | 20903637 | 258326 | rs2283797 | rs12159423 | 170 | 3 |
| 61793 | Control | Female | 22 | 20658391 | 20903637 | 245247 | rs6000377 | rs12159423 | 169 | 1 |
| 980026 | Control | Male | 22 | 20679088 | 20903637 | 224550 | rs238775 | rs12159423 | 165 | 3 |
| 52292 | Affected | Female | 22 | 20679088 | 20903637 | 224550 | rs238775 | rs12159423 | 165 | 3 |

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| 42001 | Affected | Male | 22 | 20679088 | 20903637 | 224550 | rs238775 | rs12159423 | 165 | 3 |
| 70950 | Control | Female | 22 | 20679088 | 20903637 | 224550 | rs238775 | rs12159423 | 165 | 3 |
| con025 | Control | Male | 22 | 22488315 | 22668071 | 179757 | rs738800 | rs6004011 | 52 | 3 |
| 72878 | Control | Female | 22 | 23966680 | 24240667 | 273988 | rs4822591 | rs79091 | 55 | 1 |
| 51925 | Control | Male | 22 | 23966680 | 24288952 | 322273 | rs4822591 | rs2205971 | 72 | 3 |
| 61034 | Control | Female | 22 | 23980406 | 24238441 | 258036 | rs5760942 | rs637629 | 50 | 3 |
| con077 | Control | Male | 22 | 23980406 | 24238441 | 258036 | rs5760942 | rs637629 | 50 | 3 |
| 960120 | Affected | Female | 22 | 23980406 | 24240667 | 260262 | rs5760942 | rs79091 | 53 | 1 |
| 970786 | Control | Male | 22 | 23980406 | 24240667 | 260262 | rs5760942 | rs79091 | 53 | 1 |
| 72480 | Affected | Female | 22 | 23980406 | 24240667 | 260262 | rs5760942 | rs79091 | 53 | 1 |
| 71180 | Affected | Female | 22 | 23980406 | 24240667 | 260262 | rs5760942 | rs79091 | 53 | 3 |
| 52287 | Control | Female | 22 | 23991725 | 24159084 | 167360 | rs9612921 | rs11090391 | 25 | 3 |
| 20529 | Affected | Female | 22 | 23991725 | 24230823 | 239099 | rs9612921 | rs2006866 | 44 | 3 |
| 71026 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 60837 | Control | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 71066 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 06D6444 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 70586 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 62347 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 06D6314 | Control | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 60205 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 51888 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 61572 | Control | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 20643 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 20497 | Affected | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 61670 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 1 |
| 960361 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 50010 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 71417 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 62443 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 60363 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 71183 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 62567 | Control | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 960224 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 61745 | Control | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 70565 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 51913 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 41386 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 11303 | Affected | Male | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 51276 | Affected | Female | 22 | 23991725 | 24240667 | 248943 | rs9612921 | rs79091 | 52 | 3 |
| 70860 | Affected | Male | 22 | 23994408 | 24136949 | 142542 | rs138558 | rs469997 | 22 | 3 |
| con067 | Control | Male | 22 | 23994408 | 24165514 | 171107 | rs138558 | rs1207587 | 25 | 3 |
| 11315 | Affected | Female | 22 | 23994408 | 24173884 | 179477 | rs138558 | rs574946 | 26 | 4 |
| 51187 | Affected | Female | 22 | 23994408 | 24173884 | 179477 | rs138558 | rs574946 | 26 | 4 |
| 51713 | Affected | Male | 22 | 23994408 | 24219385 | 224978 | rs138558 | rs6004675 | 39 | 3 |
| 70208 | Affected | Male | 22 | 23994408 | 24219385 | 224978 | rs138558 | rs6004675 | 39 | 3 |
| 61717 | Affected | Male | 22 | 23994408 | 24234257 | 239850 | rs138558 | rs5761092 | 44 | 3 |
| 20481 | Affected | Male | 22 | 23994408 | 24236803 | 242396 | rs138558 | rs476240 | 46 | 3 |
| 52192 | Control | Male | 22 | 23994408 | 24236803 | 242396 | rs138558 | rs476240 | 46 | 3 |
| 970898 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 51368 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 61921 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 06D6637 | Control | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 71403 | Control | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 11327 | Affected | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 30843 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 51637 | Affected | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 61202 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 1975 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 51379 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 11360 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 1 |
| 60827 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 62020 | Control | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| con068 | Control | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 51452 | Control | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 10160 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| con052 | Control | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 30846 | Control | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 71473 | Control | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 60206 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 60811 | Control | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 70759 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 1679 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 41199 | Affected | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 51857 | Affected | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 60705 | Control | Male | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 1086 | Affected | Female | 22 | 23994408 | 24240667 | 246260 | rs138558 | rs79091 | 51 | 3 |
| 60924 | Control | Female | 22 | 23999581 | 24240667 | 241087 | rs6004527 | rs79091 | 50 | 3 |
| 11085 | Affected | Female | 22 | 23999581 | 24240667 | 241087 | rs6004527 | rs79091 | 50 | 3 |
| 06D6472 | Control | Female | 22 | 23999581 | 24240667 | 241087 | rs6004527 | rs79091 | 50 | 3 |
| 52262 | Control | Male | 22 | 23999581 | 24240667 | 241087 | rs6004527 | rs79091 | 50 | 3 |
| 62750 | Control | Male | 22 | 24016040 | 24219385 | 203346 | rs6004549 | rs6004675 | 37 | 3 |
| 50820 | Affected | Male | 22 | 24016040 | 24240667 | 224628 | rs6004549 | rs79091 | 49 | 1 |
| 970175 | Control | Male | 22 | 24016040 | 24240667 | 224628 | rs6004549 | rs79091 | 49 | 1 |
| 50573 | Affected | Male | 22 | 24016040 | 24240667 | 224628 | rs6004549 | rs79091 | 49 | 1 |
| 71145 | Affected | Male | 22 | 24016040 | 24240667 | 224628 | rs6004549 | rs79091 | 49 | 1 |
| 06D6206 | Control | Female | 22 | 24016040 | 24240667 | 224628 | rs6004549 | rs79091 | 49 | 3 |
| 06D6780 | Control | Female | 22 | 24026997 | 24238441 | 211445 | rs133118 | rs637629 | 43 | 3 |
| 60642 | Control | Female | 22 | 24026997 | 24240667 | 213671 | rs133118 | rs79091 | 46 | 3 |
| 62846 | Affected | Female | 22 | 24056992 | 24240667 | 183676 | rs5761018 | rs79091 | 44 | 3 |
| 20617 | Affected | Male | 22 | 24062697 | 24219385 | 156689 | rs8139746 | rs6004675 | 31 | 3 |
| 40247 | Affected | Male | 22 | 24062697 | 24236803 | 174107 | rs8139746 | rs476240 | 38 | 3 |
| con020 | Control | Male | 22 | 24083777 | 24238441 | 154665 | rs5996921 | rs637629 | 39 | 3 |
| 73261 | Control | Male | 22 | 24083777 | 24240667 | 156891 | rs5996921 | rs79091 | 42 | 3 |
| 51372 | Control | Female | 22 | 24083777 | 24240667 | 156891 | rs5996921 | rs79091 | 42 | 3 |
| 51518 | Control | Female | 22 | 24083777 | 24240667 | 156891 | rs5996921 | rs79091 | 42 | 3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 70251 | Control | Female | 22 | 24083777 | 24240667 | 156891 | rs5996921 | rs79091 | 42 | 3 |
| 71465 | Control | Male | 22 | 24215188 | 24324013 | 108826 | rs8141065 | rs1008673 | 35 | 3 |
| 52014 | Control | Male | 22 | 45502280 | 45682591 | 180312 | rs9626899 | rs5769232 | 55 | 3 |
| 20231 | Affected | Male | 22 | 45502280 | 45682591 | 180312 | rs9626899 | rs5769232 | 55 | 3 |
| 970806 | Control | Female | 22 | 32191950 | 32259352 | 67403 | rs9621704 | rs2267226 | 22 | 3 |
| 11083 | Affected | Male | 22 | 37857855 | 37935695 | 77841 | rs139383 | rs2050143 | 22 | 1 |
| 62034 | Control | Male | 22 | 17281004 | 17362097 | 81094 | rs450046 | rs2913 | 21 | 3 |
| 72460 | Control | Female | 22 | 31340757 | 31427662 | 86906 | rs2858226 | rs5998590 | 43 | 3 |
| 52506 | Control | Female | 22 | 17426677 | 17514083 | 87407 | rs2238735 | rs4819778 | 22 | 3 |
| 62620 | Affected | Male | 22 | 17257787 | 17347371 | 89585 | rs2543958 | rs5747950 | 19 | 3 |
| 06D6368 | Control | Female | 22 | 24083777 | 24178811 | 95035 | rs5996921 | rs6004652 | 18 | 3 |
| 20422 | Affected | Female | 22 | 17257787 | 17355587 | 97801 | rs2543958 | rs2518805 | 21 | 3 |
| 06D6321 | Control | Female | 22 | 17257787 | 17355587 | 97801 | rs2543958 | rs2518805 | 21 | 3 |

## Table S2. Copy Number Variations in Schizophrenia; own data

**Notes:**

1) Details input parameters:
   PennCNV:
   - Default settings
   - --gcmodel for GC-correction
   - Version November 2008

   QuantiSNP:
   - Default settings
   - GC-correction
   - As described before: Stefansson *et al.* (2008)[1] and Vrijenhoek *et al.* (2008)[2]

2) The following filtering steps were carried out for CNVs listed in this table:
   PennCNV analysis:
   a. The total number of markers involved per CNV ≥ 10
   b. Confidence score divided by the number of markers involved > 0.5
   c. Basepair length divided by the number of markers involved < 10 kb
      **Total of 21,182 CNVs passed filtering steps**

   Overlap PennCNV analysis with QuantiSNP analysis:
   d. All gene rich CNVs were used to create a file of all CNVs both called with PennCNV and QuantiSNP. RefSeq genes were identified residing within the CNVs and up to a fuzzy border of 50 kb.
      Total of gene-rich CNVs for QuantiSNP: *n* = 3,767
      Total of gene-rich CNVs for PennCNV: *n* = 13,849
      **Total of 2,437 CNVs showed overlap between PennCNV and QuantiSNP**
   e. Only CNVs > 50 kb are selected

      **Total of 1,896 CNVs > 50 kb were selected**
      Total of CNVs 50 - 100 kb = **738** (= 38.9% of total CNVs; added in a separate table at the end of each chromosome)
      Total of CNVs 100 - 500 kb = **1,068** (= 56.3% of total CNVs; black in table)
      Total of CNVs > 500 kb = **90** (= 4.8% of total CNVs; blue bold in table)

[1] Stefansson H, Rujescu D, Cichon S, Pietiläinen O, Ingason A, Steinberg S, *et al.* (2008): Large recurrent microdeletions associated with schizophrenia *Nature* 455: 232-236

[2] Vrijenhoek T, Buizer-Voskamp JE, van der Stelt I, Strengman E, GROUP Consortium, Sabatti C, *et al.* (2008): Recurrent CNVs disrupt three candidate genes in schizophrenia patients. *Am J Med Genet Part B* 83: 504-510

3) Abbreviations:
# Ids = number of total subjects with the CNV, Case.Control = both cases and controls have this CNV, Male.Female = both male and female have this CNV, Chr = chromosome, Bp Start = basepair start of CNV, Bp End = basepair end of CNV, Bp Length = total basepair length of CNV, Rs Start = marker start of CNV, Rs End = marker end of CNV, # Del SNPs = total number of markers involved in CNV (.. if number of markers is unknown), Type = 0/1 Deletion, 3/4 Duplication, 1.3 / 3.1 / etc = This CNV involves both duplications and deletions.

4) **Only CNVs > 500 kb are shown in the chromosome ideogram.** Duplications are depicted in blue; Deletions are red. Cases are depicted on top of the chromosome, Controls are depicted below the chromosome. No CNV data for sex chromosomes was available.

5) Multiple case entries can be tracked down in the chromosome ideogram.

6) All cases have been diagnosed according to DSM classification with validated checklists. Therefore, for all cases a quality of phenotype **** is applicable.

7) In total, 1506 subjects were analyzed for CNVs:

| | | |
|---|---|---|
| **Total Affected: 834** | Male: | 622 |
| | Female: | 212 |
| **Total Controls: 672** | Male: | 331 |
| | Female: | 341 |

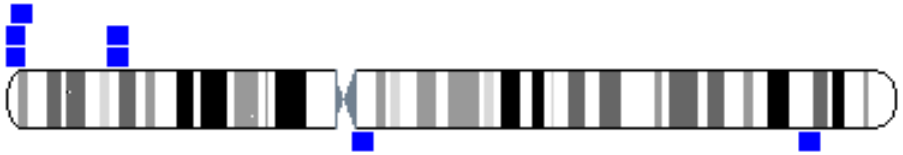
**Chromosome 1**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 1p36.33 | 995,669 | 1,111,657 | 115,989 | rs3934834 | rs11260549 | 20 | 3 |
| 1 | Case | Female | 1p36.22 | 9,208,308 | 9,319,247 | 110,940 | rs10489436 | rs11121374 | 27 | 3 |
| 1 | Control | Female | 1p34.2 | 39,979,097 | 40,080,306 | 101,210 | rs580699 | rs230310 | 19 | 3 |
| 1 | Control | Female | 1p32.3 | 54,879,395 | 55,075,307 | 195,913 | rs1655524 | rs1544908 | 55 | 3 |
| 1 | Case | Male | 1p22.3 | 84,784,450 | 84,906,200 | 121,751 | rs11164005 | rs11164036 | 27 | 3 |
| 1 | Control | Male | 1p22.2 | 90,293,206 | 90,440,693 | 147,488 | rs12079836 | rs10754298 | 56 | 3 |
| **1** | **Case** | **Male** | **1p22.2** | **90,624,121** | **91,406,022** | **781,902** | **rs997077** | **rs620760** | **134** | **1** |
| 1 | Case | Male | 1p13.2 | 112,964,565 | 113,366,167 | 401,603 | rs37795820 | rs1728232 | 45 | 3 |
| 5 | Case.Control | Male.Female | 1q21.1 | 144,337,336 | 144,458,820 | 121,485 | rs4246521 | rs1284300 | 13 | 3.1 |
| 1 | Control | Female | 1q21.1 | 145,251,781 | 145,394,019 | 142,239 | rs945742 | rs4950437 | 29 | 1 |
| 2 | All cases | All male | 1q21.3 | 150,726,371 | 150,990,677 | 264,307 | rs1199156 | rs1332506 | 44 | 3 |
| 1 | Control | Male | 1q25.1 | 173,697,478 | 174,005,626 | 308,149 | rs7547439 | rs640692 | 72 | 3 |
| 1 | Case | Female | 1q25.2 | 174,809,772 | 175,085,370 | 275,599 | rs10489474 | rs12091765 | 51 | 1 |
| 1 | Control | Female | 1q25.3 | 180,249,584 | 180,536,324 | 286,741 | rs4418557 | rs2985431 | 72 | 3 |
| 1 | Control | Male | 1q31.1 | 188,554,336 | 188,712,876 | 158,541 | rs655598 | rs1171050 | 25 | 1 |
| 2 | All cases | All male | 1q41 | 214,000,083 | 214,182,331 | 182,249 | rs2797227 | rs683804 | 64 | 1 |
| 1 | Control | Male | 1q41 | 215,771,293 | 215,961,460 | 190,168 | rs1930301 | rs12064774 | 33 | 1 |
| 3 | Case.Control | Male.Female | 1q42.2 | 229,771,352 | 229,917,902 | 146,550 | rs12040246 | rs1934909 | .. | 3 |
| **4** | **All cases** | **Male.Female** | **1q42.3-43** | **233,845,760** | **234,789,801** | **944,042** | **rs10926264** | **rs10754577** | **216** | **3** |
| 2 | All cases | All male | 1q43 | 236,719,591 | 236,844,151 | 124,560 | rs4659875 | rs574819 | .. | 4 |
| 1 | Case | Male | 1q44 | 243,347,970 | 243,456,870 | 108,901 | rs4072543 | rs10924127 | 40 | 3 |
| 1 | Case | Male | 1q44 | 243,587,205 | 243,770,613 | 183,409 | rs4498839 | rs9919234 | 80 | 1 |
| 1 | Control | Female | 1q44 | 244,279,145 | 244,523,837 | 244,693 | rs12751188 | rs7516664 | 55 | 1 |
| **1** | **Control** | **Female** | **1q44** | **244,476,735** | **244,995,641** | **518,907** | **rs1361409** | **rs4926440** | **91** | **3** |
| **1** | **Case** | **Female** | **1q44** | **245,916,096** | **247,177,330** | **1,261,235** | **rs12402455** | **rs6704311** | **142** | **1** |

**CNVs 50 – 100 kb**

| *# Ids* | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 1 | 2,909,010 | 2,986,462 | 77,453 | rs6424065 | rs1569419 | 18 | 3 |
| 1 | Control | Female | 1 | 3,533,353 | 3,601,752 | 68,400 | rs4648538 | rs3765731 | 14 | 3 |
| 1 | Control | Female | 1 | 9,232,333 | 9,302,280 | 69,948 | rs732950 | rs1294046 | 19 | 3 |
| 2 | All cases | Male.Female | 1 | 9,240,988 | 9,319,247 | 78,260 | rs3753163 | rs11121374 | 21 | 3 |
| 7 | Case.Control | Male.Female | 1 | 9,243,828 | 9,319,247 | 75,420 | rs2268169 | rs11121374 | 20 | 3 |
| 12 | Case.Control | Male.Female | 1 | 12,783,336 | 12,836,483 | 53,148 | rs1736763 | rs11810835 | 11 | 3.1 |
| 1 | Control | Male | 1 | 57,987,244 | 58,065,209 | 77,966 | rs10889070 | rs706411 | 23 | 1 |
| 1 | Control | Male | 1 | 65,708,082 | 65,772,622 | 64,541 | rs6588147 | rs1022981 | 14 | 1 |
| 1 | Case | Female | 1 | 154,601,735 | 154,688,278 | 86,544 | rs2764406 | rs2477972 | 26 | 3 |
| 11 | Case.Control | Male.Female | 1 | 195,089,653 | 195,163,711 | 74,059 | rs16840607 | rs4915318 | 10 | 3.1 |
| 1 | Case | Male | 1 | 199,297,930 | 199,348,566 | 50,637 | rs2297903 | rs2281845 | 36 | 3 |
| 1 | Case | Male | 1 | 202,530,432 | 202,593,220 | 62,789 | rs11240716 | rs3014614 | 25 | 3 |
| 1 | Case | Male | 1 | 211,097,781 | 211,193,164 | 95,384 | rs1047881 | rs2935214 | 27 | 3 |
| 1 | Case | Female | 1 | 222,403,259 | 222,494,884 | 91,626 | rs10916370 | rs4654009 | 12 | 3 |
| 1 | Control | Female | 1 | 229,771,352 | 229,846,734 | 75,383 | rs12040246 | rs12084975 | 17 | 3 |
| 1 | Case | Male | 1 | 229,791,491 | 229,879,757 | 88,267 | rs1612154 | rs6541281 | 21 | 3 |

**Chromosome 2**



| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Case.Control | Male.Female | 2p25.3 | 19,443 | 373,458 | 354,016 | rs4637157 | rs4374407 | 51 | 1.3 |
| **2** | **All cases** | **All male** | **2p25.3** | **381,781** | **4,176,616** | **3,794,836** | **rs12475610** | **rs1983365** | **954** | **3** |
| 1 | Case | Male | 2p25.3 | 686,317 | 904,564 | 218,248 | rs4517996 | rs4854431 | 41 | 3 |
| **1** | **Case** | **Male** | **2p25.2** | **6,291,555** | **6,926,633** | **635,079** | **rs6743687** | **rs2712029** | **181** | **3** |
| 3 | Case.Control | Male.Female | 2p25.1 | 10,529,542 | 10,902,815 | 373,273 | rs818169 | rs1734389 | .. | 3 |
| 1 | Control | Female | 2p23.2 | 29,151,876 | 29,318,933 | 167,058 | rs7583117 | rs13391633 | 73 | 3 |
| **2** | **All cases** | **Male.Female** | **2p22.3** | **32,487,194** | **33,183,461** | **696,268** | **rs7609320** | **rs11124305** | **155** | **3** |
| 1 | Case | Male | 2p22.3 | 33,068,411 | 33,178,482 | 110,072 | rs10181178 | rs218214 | 45 | 1 |
| 1 | Control | Female | 2p22.3 | 33,746,267 | 34,005,364 | 259,098 | rs13035680 | rs13414817 | 81 | 1 |
| 1 | Control | Male | 2p22.2 | 38,114,628 | 38,313,434 | 198,807 | rs336037 | rs3856501 | 69 | 3 |
| 1 | Case | Male | 2p22.2-22.1 | 38,424,759 | 38,862,453 | 437,695 | rs10198323 | rs1056104 | 84 | 3 |
| 1 | Control | Female | 2p21 | 44,432,402 | 44,611,058 | 178,657 | rs11680553 | rs10495919 | 41 | 1 |
| 1 | Control | Female | 2p16.3 | 49,071,420 | 49,193,234 | 121,815 | rs2072486 | rs11891561 | 43 | 1 |
| 2 | Case.Control | Male.Female | 2p16.3 | 50,786,446 | 50,900,862 | 114,417 | rs1518548 | rs9309203 | 39 | 3 |
| 2 | All cases | Male.Female | 2p16.3 | 51,002,576 | 51,255,180 | 252,604 | rs7423296 | rs964865 | .. | 1 |
| **1** | **Control** | **Male** | **2q11.2** | **98,267,182** | **98,904,001** | **636,820** | **rs17428262** | **rs9087672** | **96** | **3** |
| 7 | Case.Control | All male | 2q13 | 110,186,944 | 110,339,819 | 152,875 | rs163667 | rs13386516 | .. | 3.1 |
| 1 | Case | Male | 2q21.1 | 131,198,948 | 131,668,431 | 469,484 | rs11680782 | rs1834274 | 60 | 1 |
| 1 | Case | Female | 2q22.1 | 141,791,627 | 141,933,237 | 141,611 | rs6712429 | rs7605083 | 40 | 1 |
| 1 | Control | Male | 2q23.1 | 148,806,584 | 148,918,245 | 111,662 | rs1453317 | rs1446553 | 20 | 1 |
| 2 | All controls | Male.Female | 2q24.2 | 160,303,373 | 160,451,108 | 147,736 | rs4477859 | rs2271383 | 32 | 3 |
| 1 | Control | Female | 2q31.1 | 176,852,275 | 176,957,218 | 104,944 | rs12151388 | rs2069172 | 14 | 3 |
| 1 | Control | Male | 2q31.3 | 180,481,341 | 180,592,740 | 111,400 | rs9288043 | rs262269 | 22 | 1 |
| 1 | Case | Male | 2q32.1 | 183,398,499 | 183,724,872 | 326,374 | rs11902959 | rs3762477 | 57 | 3 |
| 1 | Control | Male | 2q32.2 | 190,701,607 | 190,970,187 | 268,581 | rs6718711 | rs11695439 | 51 | 3 |
| 1 | Control | Male | 2q35 | 217,671,980 | 217,876,096 | 204,117 | rs13405034 | rs4674141 | 35 | 1 |
| **1** | **Control** | **Male** | **2q35-36.1** | **220,979,372** | **222,139,227** | **1,159,856** | **rs4553816** | **rs3770143** | **252** | **3** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 2q37.1 | 232,913,134 | 233,017,792 | 104,659 | rs1554296 | rs790040 | 19 | 3 |
| 2 | All cases | All male | 2q37.3 | 237,695,944 | 238,189,006 | 493,063 | rs10195205 | rs13414926 | 144 | 3 |
| 26 | Case.Control | Male.Female | 2q37.3 | 242,565,979 | 242,692,820 | 126,842 | rs12987376 | rs12469535 | 17 | 1 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 2 | 33,517,854 | 33,595,788 | 77,935 | rs604788 | rs4670648 | 53 | 1 |
| 1 | Case | Female | 2 | 33,528,008 | 33,595,788 | 67,781 | rs17013001 | rs4670648 | 50 | 3 |
| 1 | Control | Male | 2 | 44,360,717 | 44,432,402 | 71,686 | rs10194161 | rs11680553 | 13 | 1 |
| 1 | Case | Female | 2 | 50,735,657 | 50,800,548 | 64,892 | rs1518551 | rs17501747 | 26 | 1 |
| 1 | Control | Female | 2 | 55,152,021 | 55,212,659 | 60,639 | rs2920881 | rs2968800 | 21 | 3 |
| 2 | Case.Control | Male.Female | 2 | 60,856,697 | 60,952,146 | 95,450 | rs11687809 | rs842624 | 20 | 3 |
| 1 | Control | Female | 2 | 61,068,848 | 61,121,796 | 52,949 | rs7564317 | rs2698189 | 13 | 3 |
| 1 | Case | Female | 2 | 74,819,098 | 74,895,392 | 76,295 | rs7564471 | rs596064 | 18 | 3 |
| 1 | Case | Male | 2 | 75,290,690 | 75,366,176 | 75,487 | rs4853122 | rs2192926 | 25 | 1 |
| 1 | Case | Male | 2 | 80,218,805 | 80,269,145 | 50,341 | rs11685504 | rs1530397 | 11 | 1 |
| 1 | Case | Male | 2 | 84,877,865 | 84,949,992 | 72,128 | rs1192396 | rs1000919 | 16 | 1 |
| 1 | Control | Female | 2 | 105,103,586 | 105,164,724 | 61,139 | rs3923277 | rs2679851 | 28 | 1 |
| 1 | Control | Female | 2 | 106,468,850 | 106,556,951 | 88,102 | rs4362555 | rs11124120 | 17 | 3 |
| 1 | Case | Female | 2 | 110,243,431 | 110,339,819 | 96,389 | rs3789735 | rs13386516 | 12 | 1 |
| 1 | Control | Male | 2 | 127,426,862 | 127,493,570 | 66,709 | rs11887389 | rs934827 | 19 | 3 |
| 1 | Case | Male | 2 | 176,907,092 | 176,968,345 | 61,254 | rs2689951 | rs7604433 | 10 | 1 |
| 1 | Control | Female | 2 | 179,853,779 | 179,941,872 | 88,094 | rs1907423 | rs7586173 | 43 | 3 |
| 1 | Case | Female | 2 | 197,857,012 | 197,940,884 | 83,873 | rs12619296 | rs788008 | 11 | 3 |
| 1 | Case | Male | 2 | 212,405,787 | 212,460,438 | 54,652 | rs16846917 | rs6727114 | 15 | 1 |
| 1 | Case | Male | 2 | 230,722,749 | 230,807,448 | 84,700 | rs4973275 | rs11687292 | 39 | 1 |
| 1 | Case | Female | 2 | 230,755,889 | 230,822,375 | 66,487 | rs10755048 | rs9989899 | 20 | 3 |
| 5 | Case.Control | Male.Female | 2 | 241,272,567 | 241,353,054 | 80,488 | rs4676385 | rs11690282 | 18 | 3 |
| 2 | All cases | All male | 2 | 241,272,567 | 241,371,118 | 98,552 | rs4676385 | rs2288750 | 20 | 3 |
| 38 | Case.Control | Male.Female | 2 | 242,565,979 | 242,656,041 | 90,063 | rs12987376 | rs6740738 | 16 | 1 |

**Chromosome 3**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 3p26.3 | 135,814 | 235,896 | 100,083 | rs1568086 | rs11721252 | 42 | 3 |
| **3** | **Case.Control** | **Male.Female** | **3p26.3** | **353,069** | **1,635,507** | **1,282,438** | **rs7649544** | **rs377914** | **..** | **3.1** |
| 1 | Case | Female | 3p26.3 | 915,698 | 1,251,092 | 335,395 | rs2313182 | rs11925058 | 118 | 1 |
| 1 | Case | Male | 3p26.3 | 2,125,400 | 2,406,546 | 281,147 | rs2729005 | rs1604553 | 117 | 1 |
| 6 | Case.Control | Male.Female | 3p26.2 | 3,827,866 | 4,315,847 | 487,981 | rs9850004 | rs310709 | .. | 1 |
| 1 | Case | Male | 3p25.3 | 9,154,971 | 9,454,142 | 299,172 | rs2675187 | rs2442825 | 99 | 3 |
| 2 | Case.Control | All female | 3p25.2 | 11,738,001 | 12,031,308 | 293,307 | rs11128570 | rs6776447 | .. | 3 |
| **1** | **Case** | **Male** | **3p24.3** | **16,158,866** | **16,807,832** | **648,967** | **rs7642249** | **rs6442641** | **206** | **3** |
| 7 | Case.Control | Male.Female | 3p22.3 | 35,798,283 | 35,913,799 | 115,516 | rs3772397 | rs10049409 | 16 | 3 |
| 1 | Control | Male | 3p14.2 | 63,160,790 | 63,572,155 | 411,366 | rs4234674 | rs6796563 | 155 | 3 |
| **1** | **Control** | **Male** | **3p12.3** | **76,254,922** | **77,652,511** | **1,397,590** | **rs1400237** | **rs1447846** | **298** | **3** |
| **1** | **Control** | **Female** | **3q13.31-13.33** | **118,667,838** | **120,755,573** | **2,087,736** | **rs1698042** | **rs626364** | **434** | **3** |
| **1** | **Control** | **Female** | **3q22.3** | **139,634,661** | **140,367,414** | **732,754** | **rs1679153** | **rs7626828** | **77** | **3** |
| 2 | All controls | All female | 3q24 | 146,962,467 | 147,235,163 | 272,697 | rs16857208 | rs16857836 | 61 | 1 |
| 1 | Case | Male | 3q25.1 | 151,958,110 | 152,077,375 | 119,266 | rs1148369 | rs574445 | 19 | 3 |
| 1 | Case | Male | 3q25.1 | 152,935,130 | 153,037,439 | 102,310 | rs1520132 | rs6440788 | 27 | 1 |
| 1 | Case | Male | 3q26.1 | 168,700,658 | 168,806,403 | 105,746 | rs13060964 | rs9837095 | 14 | 1 |
| 1 | Case | Male | 3q26.32 | 178,039,364 | 178,352,192 | 312,829 | rs9874964 | rs6443429 | 72 | 3 |
| **1** | **Case** | **Female** | **3q29** | **197,219,312** | **198,828,573** | **1,609,262** | **rs6797622** | **rs9917735** | **262** | **1** |
| 1 | Case | Male | 3q29 | 198,610,700 | 198,828,573 | 217,874 | rs7645524 | rs9917735 | 56 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 3 | 2,187,318 | 2,237,692 | 50,375 | rs2728524 | rs1523314 | 21 | 3 |
| 3 | Case.Control | Male.Female | 3 | 2,494,703 | 2,559,376 | 64,674 | rs17014863 | rs7649181 | 25 | 1 |
| 1 | Control | Male | 3 | 2,702,523 | 2,801,568 | 99,046 | rs1914009 | rs956764 | 56 | 3 |
| 1 | Control | Male | 3 | 11,846,215 | 11,907,455 | 61,241 | rs11551661 | rs9869051 | 21 | 1 |
| 1 | Case | Male | 3 | 43,260,400 | 43,343,677 | 83,278 | rs1320158 | rs17406718 | 10 | 3 |
| 1 | Case | Male | 3 | 57,954,807 | 58,013,383 | 58,577 | rs1098018 | rs12634644 | 14 | 3 |
| 1 | Case | Male | 3 | 62,723,037 | 62,807,270 | 84,234 | rs1849473 | rs514606 | 35 | 1 |
| 5 | All cases | Male.Female | 3 | 101,833,435 | 101,916,282 | 82,848 | rs1144125 | rs591728 | 13 | 3 |
| 1 | Control | Female | 3 | 120,188,854 | 120,284,544 | 95,691 | rs1016284 | rs16829334 | 16 | 3 |
| 6 | All cases | All male | 3 | 120,211,804 | 120,284,544 | 72,741 | rs1369582 | rs16829334 | 14 | 3 |
| 1 | Control | Male | 3 | 152,944,075 | 153,037,439 | 93,365 | rs10513418 | rs6440788 | 26 | 1 |
| 1 | Case | Female | 3 | 152,970,596 | 153,056,976 | 86,381 | rs11924077 | rs10804755 | 23 | 1 |
| 1 | Case | Female | 3 | 152,976,373 | 153,067,347 | 90,975 | rs6787192 | rs9823831 | 23 | 1 |
| 1 | Case | Male | 3 | 152,992,947 | 153,056,976 | 64,030 | rs6440786 | rs10804755 | 15 | 1 |
| 1 | Case | Male | 3 | 152,997,280 | 153,056,976 | 59,697 | rs17204697 | rs10804755 | 13 | 1 |
| 1 | Case | Female | 3 | 156,948,185 | 157,029,968 | 81,784 | rs358742 | rs382534 | 17 | 1 |
| 1 | Case | Female | 3 | 192,522,868 | 192,582,767 | 59,900 | rs4677722 | rs389765 | 29 | 3 |
| 1 | Control | Male | 3 | 199,219,277 | 199,298,372 | 79,096 | rs7648906 | rs9879842 | 11 | 3 |

**Chromosome 4**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 4p16.1 | 5,737,825 | 5,845,805 | 107,981 | rs957727 | rs6826372 | 61 | 1 |
| **1** | **Case** | **Female** | **4p16.1** | **7,287,993** | **7,806,279** | **518,287** | **rs1875341** | **rs17466860** | **260** | **3** |
| 1 | Control | Female | 4p16.1 | 9,433,717 | 9,540,060 | 106,344 | rs11938128 | rs881971 | 44 | 3 |
| 1 | Case | Female | 4p14-13 | 40,672,691 | 40,914,549 | 241,859 | rs12511584 | rs6811777 | 64 | 3 |
| 1 | Control | Male | 4q13.3 | 74,039,112 | 74,258,327 | 219,216 | rs11733810 | rs10035001 | 28 | 3 |
| 1 | Control | Male | 4q13.3 | 75,619,179 | 75,774,745 | 155,567 | rs1994941 | rs4333264 | 23 | 1 |
| 1 | Control | Female | 4q24 | 107,507,898 | 107,614,425 | 106,528 | rs2949646 | rs10516535 | 17 | 3 |
| 1 | Case | Female | 4q25 | 110,249,859 | 110,364,767 | 114,909 | rs4368681 | rs17040097 | 23 | 1 |
| 1 | Case | Male | 4q28.1 | 125,773,305 | 126,258,785 | 485,481 | rs12504009 | rs3956574 | 108 | 1 |
| 1 | Case | Male | 4q28.2 | 129,993,825 | 130,147,254 | 153,430 | rs6847753 | rs2044523 | 25 | 3 |
| 4 | Case.Control | Male.Female | 4q28.3 | 135,125,711 | 135,396,155 | 270,445 | rs4446382 | rs6822094 | 34 | 1 |
| 1 | Control | Male | 4q31.1 | 140,709,541 | 140,816,502 | 106,962 | rs1026047 | rs8192049 | 44 | 3 |
| 1 | Case | Male | 4q32.1 | 157,747,697 | 158,063,231 | 315,535 | rs939688 | rs10010472 | 54 | 1 |
| 1 | Case | Male | 4q32.2 | 162,664,217 | 162,819,468 | 155,252 | rs13135134 | rs4532194 | 32 | 1 |
| 1 | Control | Female | 4q32.3 | 165,179,254 | 165,388,371 | 209,118 | rs4533720 | rs4561891 | 50 | 1 |
| 8 | Case.Control | Male.Female | 4q32.3 | 169,051,922 | 169,298,002 | 246,081 | rs9994795 | rs4692861 | 60 | 1.3 |
| 1 | Case | Male | 4q34.1 | 175,712,054 | 175,847,125 | 135,072 | rs2877818 | rs1471817 | 41 | 3 |
| 1 | Case | Female | 4q34.2 | 177,243,037 | 177,348,934 | 105,898 | rs12641442 | rs4690667 | 14 | 1 |
| 1 | Control | Male | 4q35.2 | 187,566,239 | 187,766,898 | 200,660 | rs2167370 | rs11941966 | 57 | 3 |
| **5** | **Case.Control** | **Male.Female** | **4q35.2** | **188,329,837** | **191,164,126** | **2,834,289** | **rs4862782** | **rs13120250** | **..** | **1.3** |
| 1 | Control | Male | 4q35.2 | 188,927,301 | 189,222,487 | 295,187 | rs13148546 | rs11132507 | 56 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 4 | 70,522,949 | 70,585,964 | 63,016 | rs11249452 | rs4694234 | 17 | 1 |
| 1 | Case | Male | 4 | 87,987,541 | 88,082,794 | 95,254 | rs13149938 | rs6836128 | 13 | 3 |
| 1 | Case | Male | 4 | 91,895,424 | 91,983,955 | 88,532 | rs6833239 | rs6822939 | 20 | 3 |
| 1 | Control | Female | 4 | 92,408,613 | 92,489,733 | 81,121 | rs7694618 | rs6841781 | 20 | 3 |
| 2 | All controls | Male.Female | 4 | 114,955,716 | 115,035,923 | 80,208 | rs4446309 | rs7674158 | 20 | 1 |
| 1 | Case | Female | 4 | 130,080,159 | 130,159,225 | 79,067 | rs13149221 | rs172168 | 14 | 1 |
| 1 | Case | Male | 4 | 147,428,854 | 147,514,578 | 85,725 | rs13140054 | rs2679144 | 14 | 3 |
| 1 | Case | Male | 4 | 156,894,819 | 156,954,889 | 60,071 | rs6838946 | rs17033585 | 15 | 3 |
| 1 | Case | Male | 4 | 164,154,058 | 164,232,351 | 78,294 | rs6536694 | rs11100479 | 15 | 3 |

**Chromosome 5**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 5p15.33 | 80,564 | 196,534 | 115,971 | rs2135917 | rs13436090 | 15 | 3 |
| **1** | **Case** | **Female** | **5p15.2** | **10,307,117** | **11,217,361** | **910,245** | **rs2259642** | **rs721768** | **253** | **3** |
| 1 | Case | Male | 5p14.2 | 23,425,010 | 23,920,197 | 495,188 | rs6861038 | rs1490758 | 76 | 3 |
| 1 | Control | Male | 5p13.2 | 34,889,541 | 34,996,272 | 106,732 | rs4703480 | rs7719119 | 24 | 3 |
| 1 | Case | Female | 5p13.2 | 36,245,985 | 36,348,269 | 102,285 | rs6881555 | rs1500218 | 24 | 3 |
| 1 | Case | Male | 5p13.2-13.1 | 38,326,071 | 38,539,215 | 213,145 | rs2042925 | rs3797161 | 64 | 3 |
| 1 | Control | Female | 5q11.2 | 58,661,886 | 58,781,629 | 119,744 | rs35255 | rs1457110 | 51 | 1 |
| **1** | **Control** | **Female** | **5q12.1** | **61,453,953** | **62,068,872** | **614,920** | **rs2910469** | **rs16890998** | **75** | **3** |
| 1 | Case | Female | 5q14.3 | 90,009,377 | 90,254,368 | 244,992 | rs1033290 | rs3114653 | 58 | 1 |
| 1 | Control | Male | 5q15 | 93,574,633 | 93,898,701 | 324,069 | rs13163610 | rs6556847 | 54 | 1 |
| 1 | Control | Female | 5q21.1 | 102,188,684 | 102,461,308 | 272,625 | rs258247 | rs34813 | 31 | 1 |
| 4 | Case.Control | Male.Female | 5q21-21.3 | 104,410,795 | 104,562,047 | 151,253 | rs6872400 | rs974244 | 28 | 1 |
| **1** | **Control** | **Male** | **5q22.1** | **109,730,387** | **110,330,169** | **599,783** | **rs17132029** | **rs1366331** | **69** | **1** |
| 1 | Case | Male | 5q22.1 | 109,783,199 | 110,084,156 | 300,958 | rs311696 | rs151784 | 31 | 1 |
| 1 | Control | Male | 5q33.3 | 157,105,919 | 157,352,660 | 246,742 | rs6895563 | rs11135023 | 58 | 3 |
| **2** | **All cases** | **All male** | **5q35.1,** | **168,385,055** | **169,072,475** | **687,421** | **rs6890327** | **rs17736882** | **198** | **3** |
| 1 | Control | Female | 5q35.3 | 177,288,649 | 177,456,843 | 168,195 | rs4298268 | rs12652932 | 29 | 3 |
| 1 | Control | Female | 5q35.3 | 177,771,474 | 177,932,053 | 160,580 | rs11746864 | rs262065 | 61 | 3 |
| 1 | Control | Male | 5q35.3 | 180,441,221 | 180,623,543 | 182,323 | rs13167249 | rs1279912 | 40 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 5 | 647,083 | 738,748 | 91,666 | rs11739663 | rs386057 | 17 | 3 |
| 1 | Control | Male | 5 | 1,204,161 | 1,260,527 | 56,367 | rs3922757 | rs6554660 | 13 | 4 |
| 1 | Case | Male | 5 | 1,395,714 | 1,448,077 | 52,364 | rs31489 | rs40184 | 14 | 3 |
| 1 | Control | Female | 5 | 33,612,359 | 33,698,773 | 86,415 | rs3813474 | rs12516835 | 41 | 3 |
| 3 | Case.Control | Male.Female | 5 | 59,758,639 | 59,809,368 | 50,730 | rs37692 | rs1423473 | 17 | 3 |
| 1 | Case | Female | 5 | 90,215,480 | 90,294,340 | 78,861 | rs6893164 | rs12522571 | 22 | 1 |
| 1 | Case | Female | 5 | 104,460,010 | 104,514,704 | 54,695 | rs10057612 | rs7701212 | 11 | 1 |
| 16 | Case.Control | Male.Female | 5 | 104,460,010 | 104,518,786 | 58,777 | rs10057612 | rs10043572 | 12 | 1 |
| 1 | Case | Male | 5 | 107,276,507 | 107,333,438 | 56,932 | rs1433050 | rs6867577 | 29 | 1 |
| 1 | Case | Male | 5 | 109,723,958 | 109,814,957 | 91,000 | rs6594447 | rs11748623 | 16 | 1 |
| 1 | Control | Male | 5 | 110,862,078 | 110,923,874 | 61,797 | rs2059041 | rs247544 | 14 | 1 |
| 1 | Case | Female | 5 | 115,569,462 | 115,637,451 | 67,990 | rs6896019 | rs10071906 | 11 | 1 |
| 1 | Case | Male | 5 | 151,260,601 | 151,337,257 | 76,657 | rs2964607 | rs426783 | 20 | 3 |
| 1 | Case | Female | 5 | 151,269,891 | 151,337,257 | 67,367 | rs1465555 | rs426783 | 19 | 3 |

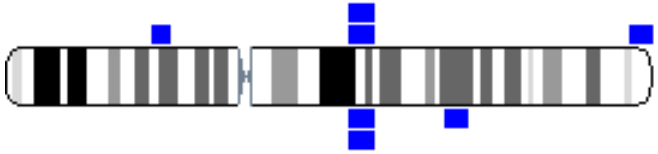
**Chromosome 6**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 6p22.3 | 17,696,137 | 17,872,258 | 176,122 | rs942465 | rs1044654 | 27 | 3 |
| 1 | Case | Male | 6p21.32 | 32,677,669 | 32,785,890 | 108,222 | rs477515 | rs9275563 | 60 | 1 |
| 1 | Control | Female | 6p21.31 | 34,836,231 | 35,001,376 | 165,146 | rs9462014 | rs2504163 | 20 | 3 |
| 2 | All cases | Male.Female | 6p21.2 | 38,621,152 | 39,148,632 | 527,480 | rs27478156 | rs2235868 | .. | 1 |
| **2** | **All cases** | **All male** | **6p12.3** | **47,748,056** | **50,454,502** | **2,706,446** | **rs869002** | **rs1492612** | **..** | **3** |
| 1 | Case | Male | 6p12.3 | 47,927,523 | 48,176,833 | 249,311 | rs564351 | rs10948397 | 48 | 3 |
| 2 | All cases | Male.Female | 6q12 | 66,025,960 | 66,203,540 | 177,581 | rs536372 | rs12192936 | 38 | 1 |
| **1** | **Control** | **Female** | **6q14.1** | **80,936,857** | **81,764,229** | **827,373** | **rs6931421** | **rs7744074** | **157** | **3** |
| 2 | All cases | All male | 6q14.1 | 82,839,391 | 82,940,555 | 101,165 | rs7454792 | rs197246 | 24 | 3 |
| 1 | Control | Female | 6q21 | 106,683,679 | 106,930,232 | 246,554 | rs7761791 | rs3851212 | 57 | 3 |
| 1 | Case | Male | 6q22.31 | 119,023,320 | 119,138,872 | 115,553 | rs13220480 | rs11153771 | 26 | 3 |
| 1 | Case | Male | 6q22.31 | 125,063,391 | 125,214,187 | 150,797 | rs9388359 | rs1409294 | 47 | 3 |
| 1 | Case | Male | 6q22.33 | 129,410,496 | 129,555,141 | 144,646 | rs11154461 | rs9492268 | 25 | 1 |
| 1 | Control | Male | 6q23.2 | 131,771,552 | 131,939,901 | 168,350 | rs9483275 | rs2246012 | 36 | 3 |
| 1 | Case | Male | 6q23.3 | 135,889,916 | 136,079,920 | 190,005 | rs9389295 | rs6930057 | 27 | 3 |
| 1 | Case | Male | 6q26 | 161,600,834 | 161,734,897 | 134,064 | rs3823058 | rs12210160 | 38 | 4 |
| **1** | **Case** | **Male** | **6q26** | **161,988,422** | **162,491,345** | **502,924** | **rs10945764** | **rs713054** | **178** | **1** |
| 2 | All controls | All female | 6q26 | 162,379,561 | 162,611,408 | 231,848 | rs7738197 | rs11966606 | 90 | 1 |
| **1** | **Case** | **Male** | **6q26** | **162,591,329** | **163,106,351** | **515,023** | **rs7770626** | **rs4709649** | **148** | **3** |
| 15 | Case.Control | Male.Female | 6q26 | 162,622,524 | 163,119,757 | 497,233 | rs9365397 | rs13202401 | .. | 3.1 |
| 2 | All controls | Male.Female | 6q27 | 167,524,137 | 167,690,726 | 166,589 | rs6904892 | rs2981988 | .. | 3 |
| 42 | Case.Control | Male.Female | 6q27 | 168,078,929 | 168,781,519 | 702,590 | rs3800533 | rs4708481 | .. | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 6 | 2,154,576 | 2,227,746 | 73,171 | rs234915 | rs12664420 | 16 | 3 |
| 1 | Case | Female | 6 | 10,572,011 | 10,636,780 | 64,770 | rs501436 | rs560194 | 40 | 1 |
| 1 | Case | Male | 6 | 10,575,681 | 10,636,780 | 61,100 | rs796102 | rs560194 | 38 | 1 |
| 2 | Case.Control | All males | 6 | 10,577,812 | 10,636,780 | 58,969 | rs645297 | rs560194 | 36 | 1 |
| 1 | Control | Female | 6 | 10,577,812 | 10,640,172 | 62,361 | rs645297 | rs681282 | 37 | 1 |
| 5 | Case.Control | Male.Female | 6 | 31,468,368 | 31,559,455 | 91,088 | rs2523477 | rs2905747 | 66 | 3.1 |
| 1 | Case | Male | 6 | 35,610,180 | 35,670,618 | 60,439 | rs9380516 | rs3798346 | 12 | 3 |
| 1 | Control | Female | 6 | 38,398,246 | 38,450,140 | 51,895 | rs16890552 | rs4711542 | 14 | 1 |
| 1 | Case | Male | 6 | 44,971,084 | 45,054,441 | 83,358 | rs7754378 | rs2396369 | 18 | 3 |
| 1 | Control | Female | 6 | 62,683,938 | 62,740,028 | 56,091 | rs16900602 | rs1516709 | 16 | 3 |
| 1 | Case | Male | 6 | 65,996,954 | 66,065,824 | 68,871 | rs2788907 | rs9354219 | 14 | 1 |
| 1 | Case | Female | 6 | 89,348,510 | 89,417,599 | 69,090 | rs1923416 | rs2756382 | 14 | 3 |
| 1 | Control | Female | 6 | 119,104,805 | 119,157,274 | 52,470 | rs13214017 | rs12190347 | 21 | 1 |
| 3 | Case.Control | All males | 6 | 124,313,139 | 124,391,083 | 77,945 | rs235667 | rs17086515 | 30 | 1 |
| 1 | Case | Male | 6 | 161,521,152 | 161,597,624 | 76,473 | rs3798923 | rs3757031 | 33 | 3 |
| 1 | Case | Male | 6 | 161,848,346 | 161,904,684 | 56,339 | rs508605 | rs6909754 | 36 | 3 |
| 1 | Control | Male | 6 | 161,853,925 | 161,904,684 | 50,760 | rs16892673 | rs6909754 | 32 | 3 |
| 1 | Control | Male | 6 | 162,431,244 | 162,506,056 | 74,813 | rs9347586 | rs2849576 | 26 | 1 |
| 2 | All cases | All males | 6 | 162,824,155 | 162,886,421 | 62,267 | rs4493732 | rs2846463 | 20 | 1 |
| 1 | Control | Female | 6 | 162,852,454 | 162,951,722 | 99,269 | rs13194743 | rs9364667 | 31 | 1 |
| 1 | Case | Male | 6 | 168,224,721 | 168,316,008 | 91,288 | rs7753203 | rs4708679 | 49 | 3 |
| 1 | Control | Female | 6 | 168,229,155 | 168,316,008 | 86,854 | rs10455755 | rs4708679 | 48 | 3 |
| 1 | Control | Male | 6 | 168,588,370 | 168,660,249 | 71,880 | rs7741920 | rs2763239 | 23 | 1 |
| 1 | Case | Female | 6 | 169,768,336 | 169,833,634 | 65,299 | rs12111411 | rs7750758 | 12 | 1 |

**Chromosome 7**



| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 7p22.2 | 3,899,448 | 4,055,402 | 155,955 | rs6971828 | rs17134285 | 36 | 1 |
| 1 | Case | Male | 7p22.1 | 5,361,477 | 5,506,484 | 145,008 | rs4724592 | rs7799622 | 27 | 3 |
| 1 | Case | Male | 7p22.1 | 5,700,983 | 5,894,482 | 193,500 | rs1468996 | rs6463522 | 22 | 3 |
| 1 | Control | Male | 7p22.1-21.3 | 7,006,701 | 7,234,956 | 228,256 | rs4074751 | rs10259085 | 56 | 3 |
| 1 | Control | Female | 7p21.3 | 8,151,486 | 8,480,452 | 328,967 | rs2110332 | rs1029523 | 112 | 3 |
| 1 | Case | Female | 7p21.2-21.1 | 15,091,272 | 15,384,424 | 293,153 | rs17168654 | rs4256491 | 74 | 3 |
| 1 | Case | Male | 7p21.1 | 16,135,027 | 16,363,877 | 228,851 | rs10269890 | rs2178598 | 53 | 1 |
| 1 | Case | Male | 7p21.1 | 17,047,682 | 17,396,529 | 348,848 | rs518136 | rs7777586 | 72 | 3 |
| 1 | Case | Male | 7p15.3 | 20,517,504 | 20,619,778 | 102,275 | rs1012869 | rs12666732 | 36 | 1 |
| 1 | Case | Male | 7p15.2 | 26,136,637 | 26,301,955 | 165,319 | rs2057761 | rs12538280 | 22 | 3 |
| **1** | **Case** | **Male** | **7p14.1** | **39,260,567** | **39,260,567** | **500,800** | **rs3779127** | **rs10242061** | **97** | **3** |
| 3 | Case.Control | Male.Female | 7p14.1 | 40,269,809 | 40,510,036 | 240,228 | rs6952552 | rs6947887 | 30 | 1 |
| 1 | Case | Male | 7p11.2-11.1 | 57,212,608 | 57,643,772 | 431,165 | rs13240443 | rs7801211 | 62 | 3 |
| 17 | Case.Control | Male.Female | 7q11.21 | 64,316,996 | 64,593,616 | 276,621 | rs2900856 | rs10274919 | 29 | 3.1 |
| 1 | Control | Male | 7q11.22 | 70,287,481 | 70,396,256 | 108,776 | rs1796089 | rs4719106 | 40 | 1 |
| 1 | Control | Female | 7q21.11 | 80,110,504 | 80,326,004 | 215,501 | rs1527479 | rs10954378 | 48 | 3 |
| 1 | Control | Female | 7q21.12 | 87,988,734 | 88,211,532 | 222,799 | rs916654 | rs2519910 | 43 | 3 |
| 1 | Control | Female | 7q21.13 | 88,235,577 | 88,485,794 | 250,218 | rs7801611 | rs6944177 | 63 | 4 |
| **4** | **Case.Control** | **Male.Female** | **7q21.12-21.13** | **87,999,670** | **89,718,885** | **1,719,216** | **rs6977770** | **rs10240790** | **371** | **3** |
| 1 | Control | Male | 7q21.13 | 88,485,794 | 88,924,574 | 438,781 | rs6944177 | rs2373919 | 116 | 1 |
| 1 | Control | Female | 7q21.13 | 89,395,484 | 89,547,717 | 152,234 | rs7801279 | rs10952990 | 45 | 1 |
| 3 | Case.Control | Male.Female | 7q21.3 | 93,625,349 | 93,819,975 | 194,627 | rs7357193 | rs10464587 | 24 | 1 |
| 19 | Case.Control | Male.Female | 7q22.1 | 100,715,342 | 100,914,175 | 198,834 | rs4727484 | rs13232646 | 35 | 3 |
| 1 | Case | Female | 7q22.1 | 103,900,953 | 104,134,190 | 233,238 | rs6465992 | rs6952413 | 79 | 3 |
| 7 | Case.Control | Male.Female | 7q31.1 | 110,810,558 | 111,138,748 | 328,190 | rs17158544 | rs10487331 | .. | 1 |
| **1** | **Control** | **Female** | **7q31.1** | **111,298,102** | **112,083,170** | **785,069** | **rs739617** | **rs1989835** | **180** | **3** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 7q31.31-31.32 | 120,751,201 | 120,947,500 | 196,300 | rs3757552 | rs1881374 | 25 | 3 |
| 1 | Control | Female | 7q31.33 | 124,235,477 | 124,361,763 | 126,287 | rs2896359 | rs10264288 | 28 | 1 |
| 1 | Case | Male | 7q33 | 133,137,377 | 133,270,514 | 133,138 | rs10488174 | rs4731986 | 18 | 1 |
| 1 | Case | Female | 7q33 | 133,397,304 | 133,501,403 | 104,100 | rs4731997 | rs728579 | 18 | 1 |
| 2 | All controls | All male | 7q33 | 136,653,944 | 136,987,112 | 333,168 | rs322335 | rs10273400 | .. | 3 |
| 1 | Case | Female | 7q35 | 143,206,916 | 143,505,123 | 298,208 | rs11768025 | rs10487624 | 54 | 3 |
| 1 | Control | Male | 7q35 | 143,705,862 | 143,810,267 | 104,406 | rs720475 | rs10255314 | 29 | 3 |
| 2 | All Cases | All female | 7q35 | 145,884,986 | 146,359,185 | 474,199 | rs9640471 | rs1524347 | .. | 1 |
| 3 | Case.Control | Male.Female | 7q36.2 | 152,961,994 | 153,239,054 | 277,061 | rs4595033 | rs12673076 | 32 | 3 |
| **1** | **Case** | **Male** | **7q36.3** | **156,775,368** | **157,674,626** | **899,259** | **rs12533310** | **rs10244830** | **209** | **3** |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 7 | 3,656,098 | 3,710,081 | 53,984 | rs2614956 | rs10256504 | 25 | 1 |
| 1 | Case | Male | 7 | 11,314,044 | 11,370,519 | 56,476 | rs2189344 | rs10257877 | 20 | 3 |
| 1 | Case | Male | 7 | 17,914,612 | 17,974,835 | 60,224 | rs17138418 | rs4470902 | 15 | 3 |
| 2 | Case.Control | All males | 7 | 38,254,795 | 38,309,522 | 54,728 | rs2240825 | rs2392545 | 19 | 1 |
| 1 | Control | Female | 7 | 38,254,795 | 38,341,222 | 86,428 | rs2240825 | rs2240853 | 47 | 1 |
| 1 | Control | Female | 7 | 38,285,115 | 38,337,999 | 52,885 | rs7782269 | rs2534575 | 44 | 1 |
| 1 | Control | Female | 7 | 38,285,115 | 38,340,056 | 54,942 | rs7782269 | rs2534578 | 45 | 1 |
| 1 | Case | Male | 7 | 38,285,115 | 38,341,222 | 56,108 | rs7782269 | rs2240853 | 46 | 1 |
| 2 | All cases | All males | 7 | 38,285,115 | 38,346,971 | 61,857 | rs7782269 | rs733905 | 47 | 1 |
| 1 | Case | Male | 7 | 88,459,393 | 88,521,153 | 61,761 | rs10486891 | rs967579 | 14 | 3 |
| 1 | Case | Male | 7 | 110,509,036 | 110,563,273 | 54,238 | rs214897 | rs12705757 | 10 | 1 |
| 1 | Case | Male | 7 | 110,563,273 | 110,645,504 | 82,232 | rs12705757 | rs214467 | 20 | 1 |
| 1 | Control | Female | 7 | 110,944,768 | 111,034,187 | 89,420 | rs2613589 | rs2613611 | 17 | 1 |
| 1 | Case | Female | 7 | 111,027,549 | 111,116,572 | 89,024 | rs11979526 | rs10236334 | 16 | 1 |
| 3 | Case.Control | Male.Female | 7 | 117,704,955 | 117,804,083 | 99,129 | rs41923 | rs2189127 | 24 | 1 |
| 1 | Case | Female | 7 | 119,885,540 | 119,967,907 | 82,368 | rs7809257 | rs10488302 | 16 | 1 |
| 1 | Case | Female | 7 | 136,654,649 | 136,753,038 | 98,390 | rs322334 | rs1647189 | 22 | 3 |
| 1 | Case | Male | 7 | 146,168,694 | 146,222,821 | 54,128 | rs11984177 | rs10216156 | 25 | 1 |
| 1 | Case | Male | 7 | 157,223,935 | 157,317,812 | 93,878 | rs867923 | rs9654707 | 25 | 3 |
| 1 | Control | Female | 7 | 157,427,075 | 157,495,433 | 68,359 | rs920023 | rs1001099 | 26 | 3 |

**Chromosome 8**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Case.Control | All male | 8p23.3 | 1,016,907 | 1,413,906 | 396,999 | rs2123055 | rs1468415 | .. | 3.1 |
| **1** | **Control** | **Female** | **8p23.3-23.2** | **1,764,978** | **2,309,171** | **544,194** | **rs17064297** | **rs17063040** | **258** | **3** |
| 2 | All cases | All male | 8p23.3 | 1,776,764 | 1,975,127 | 198,363 | rs11136430 | rs7006192 | .. | 3 |
| 2 | All cases | All male | 8p23.3 | 2,022,084 | 2,133,623 | 111,540 | rs10102743 | rs317223 | 95 | 3 |
| 1 | Case | Male | 8p23.2 | 4,297,110 | 4,433,352 | 136,243 | rs13278525 | rs2617078 | 88 | 1 |
| 5 | Case.Control | Male.Female | 8p23.2-23.1 | 6,116,236 | 6,324,795 | 208,559 | rs4841788 | rs17540702 | .. | 3 |
| 3 | Case.Control | All male | 8p23.1 | 8,135,489 | 8,285,468 | 149,980 | Rs2955587 | Rs6601694 | 48 | 1 |
| 1 | Case | Male | 8p22 | 14,023,660 | 14,164,733 | 141,074 | rs17118702 | rs12541432 | 46 | 3 |
| 1 | Case | Female | 8p22-21.3 | 18,871,240 | 19,354,225 | 482,986 | rs17127550 | rs12677088 | 186 | 1 |
| 1 | Case | Male | 8p21.3 | 20,107,092 | 20,598,973 | 491,882 | rs10088108 | rs2597389 | 154 | 3 |
| 1 | Case | Male | 8q11.23 | 53,518,462 | 53,690,757 | 172,296 | rs6990326 | rs4637853 | 45 | 3 |
| 1 | Case | Male | 8q11.23 | 54,655,376 | 54,864,364 | 208,989 | rs1551910 | rs4737753 | 30 | 1 |
| 3 | Case.Control | All male | 8q12.1 | 56,874,267 | 57,038,773 | 164,506 | rs10109493 | rs907424 | .. | 3 |
| 1 | Case | Male | 8q12.1 | 57,496,635 | 57,623,780 | 127,146 | rs17760660 | rs2610027 | 28 | 3 |
| 1 | Control | Male | 8q13.3 | 73,251,347 | 73,681,616 | 430,270 | rs7017623 | rs7009604 | 103 | 3 |
| 1 | Control | Male | 8q21.13 | 82,452,393 | 82,575,548 | 123,156 | rs1450790 | rs1304403 | 23 | 1 |
| 1 | Control | Female | 8q21.13 | 82,582,067 | 82,693,196 | 111,130 | rs1485999 | rs2955026 | 26 | 3 |
| 2 | Case.Control | Male.Female | 8q21.3 | 87,256,166 | 87,403,084 | 146,919 | rs6470428 | rs7017719 | 25 | 3 |
| 1 | Control | Female | 8q21.3 | 87,902,827 | 88,144,314 | 241,488 | rs10808349 | rs2974278 | 55 | 3 |
| 1 | Control | Female | 8q21.3 | 89,120,413 | 89,247,103 | 126,691 | rs2664370 | rs2681300 | 29 | 3 |
| 1 | Case | Male | 8q22.1 | 95,193,232 | 95,385,432 | 192,201 | rs4421324 | rs2515137 | 60 | 3 |
| 1 | Control | Male | 8q22.3 | 105,380,250 | 105,551,651 | 171,402 | rs2511628 | rs3750187 | 64 | 3 |
| 1 | Control | Female | 8q23.1 | 109,374,453 | 109,484,302 | 109,850 | rs6469170 | rs2023106 | 14 | 1 |
| 1 | Case | Male | 8q24.12 | 120,787,622 | 121,005,702 | 218,081 | rs6989251 | rs6469877 | 36 | 3 |
| 1 | Case | Male | 8q24.22 | 134,656,368 | 134,935,134 | 278,767 | rs1554324 | rs7845379 | 121 | 3 |
| 1 | Control | Male | 8q24.22 | 135,585,139 | 135,726,935 | 141,797 | rs894357 | rs17699546 | 66 | 1 |
| **1** | **Control** | **Female** | **8q24.23** | **138,771,563** | **139,340,184** | **568,622** | **rs4389979** | **rs16908717** | **192** | **3** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 8q24.3 | 145,064,091 | 145,223,898 | 159,808 | rs6558406 | rs2070688 | 16 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 8 | 384,980 | 458,609 | 73,630 | rs17738097 | rs2121885 | 54 | 3 |
| 1 | Case | Male | 8 | 3,664,116 | 3,760,537 | 96,422 | rs9693433 | rs2688324 | 67 | 1 |
| 1 | Case | Male | 8 | 4,600,608 | 4,671,975 | 71,368 | rs4875115 | rs1379323 | 118 | 1 |
| 3 | All cases | All males | 8 | 15,917,140 | 15,980,161 | 63,022 | rs2898430 | rs10099900 | 24 | 3 |
| 15 | Case.Control | Male.Female | 8 | 15,994,142 | 16,065,839 | 71,698 | rs13280294 | rs351572 | 19 | 1 |
| 1 | Control | Male | 8 | 15,994,142 | 16,073,863 | 79,722 | rs13280294 | rs13251251 | 21 | 1 |
| 2 | All cases | Male.Female | 8 | 17,602,799 | 17,665,222 | 62,424 | rs374386 | rs451322 | 30 | 1 |
| 1 | Case | Male | 8 | 27,365,256 | 27,460,271 | 95,016 | rs1106359 | rs2565050 | 38 | 3 |
| 1 | Case | Male | 8 | 53,986,757 | 54,054,751 | 67,995 | rs10504150 | rs2555186 | 19 | 3 |
| 1 | Case | Male | 8 | 56,920,362 | 57,013,973 | 93,612 | rs12155521 | rs1126327 | 27 | 3 |
| 1 | Case | Male | 8 | 56,963,551 | 57,038,773 | 75,223 | rs333616 | rs907424 | 27 | 3 |
| 1 | Control | Female | 8 | 82,939,617 | 83,001,525 | 61,909 | rs1451994 | rs11779650 | 13 | 3 |
| 1 | Case | Male | 8 | 87,256,166 | 87,319,087 | 62,922 | rs6470428 | rs4406372 | 18 | 3 |
| 1 | Case | Male | 8 | 95,744,548 | 95,798,679 | 54,132 | rs1895874 | rs9643347 | 15 | 3 |
| 1 | Control | Female | 8 | 109,374,453 | 109,466,087 | 91,635 | rs6469170 | rs10108399 | 10 | 1 |
| 1 | Control | Male | 8 | 121,556,228 | 121,640,447 | 84,220 | rs12386936 | rs4297067 | 13 | 3 |

**Chromosome 9**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Case.Control | Male.Female | 9p24.3 | 194,201 | 794,436 | 600,235 | rs10964134 | rs4742419 | .. | 3 |
| 1 | Control | Female | 9p24.1 | 5,088,223 | 5,208,524 | 120,302 | rs3780373 | rs7853049 | 17 | 3 |
| 3 | Case.Control | Male.Female | 9p24.1 | 6,534,734 | 7,007,391 | 472,657 | rs3902970 | rs7853037 | .. | 3 |
| 1 | Case | Male | 9p23 | 9,719,134 | 9,822,245 | 103,112 | rs10816169 | rs2761763 | 53 | 1 |
| 1 | Case | Male | 9p22.3 | 15,987,006 | 16,108,758 | 121,753 | rs2987036 | rs7873155 | 50 | 1 |
| 1 | Case | Female | 9p22.2 | 16,987,947 | 17,102,482 | 114,536 | rs442438 | rs263622 | 29 | 1 |
| 1 | Case | Male | 9p22.1 | 19,074,444 | 19,199,546 | 125,103 | rs10963949 | rs433305 | 33 | 1 |
| 2 | Case.Control | Male.Female | 9p22.1 | 19,271,099 | 19,523,872 | 252,773 | rs10757048 | rs2383100 | .. | 3 |
| 1 | Case | Male | 9p21.3 | 20,690,838 | 20,887,266 | 196,429 | rs10964665 | rs11531714 | 64 | 1 |
| 1 | Control | Female | 9p21.3 | 21,438,448 | 21,556,730 | 118,283 | rs7864960 | rs7865428 | 37 | 3 |
| 7 | Case.Control | Male.Female | 9p21.1 | 28,188,623 | 28,751,593 | 562,970 | rs991849 | rs321728 | .. | 1 |
| 1 | Case | Male | 9p13.3 | 33,318,812 | 33,608,936 | 290,125 | rs2292243 | rs855514 | 54 | 3 |
| 2 | All cases | All male | 9q21.11 | 70,764,577 | 71,032,843 | 268,267 | rs10114872 | rs2309428 | 60 | 3 |
| 1 | Control | Female | 9q21.33 | 88,793,103 | 89,017,482 | 224,380 | rs10120212 | rs432005 | 50 | 1 |
| 1 | Case | Male | 9q22.1 | 89,760,155 | 90,145,367 | 385,213 | rs472627 | rs12348836 | 93 | 3 |
| 1 | Case | Male | 9q31.1 | 102,342,854 | 102,492,148 | 149,295 | rs10465148 | rs16919333 | 41 | 3 |
| 1 | Control | Female | 9q31.3 | 110,465,741 | 110,653,174 | 187,434 | rs4403487 | rs10448264 | 66 | 1 |
| 1 | Case | Female | 9q33.1 | 118,051,212 | 118,410,500 | 359,289 | rs10983088 | rs2416564 | 89 | 3 |
| 1 | Control | Male | 9q34.2 | 134,588,424 | 134,728,634 | 140,211 | rs306530 | rs2526004 | 40 | 3 |
| 1 | Case | Female | 9q34.3 | 136,718,799 | 136,883,130 | 164,332 | rs10776897 | rs3128570 | 72 | 3 |
| 1 | Case | Male | 9q34.3 | 138,155,232 | 138,264,677 | 109,446 | rs1747839 | rs7032944 | 21 | 3 |
| 2 | Case.Control | Male.Female | 9q34.3 | 138,606,913 | 138,907,274 | 300,361 | rs4880055 | rs2811761 | .. | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 9 | 194,201 | 263,160 | 68,960 | rs10964134 | rs540909 | 54 | 3 |
| 1 | Case | Male | 9 | 194,201 | 279,061 | 84,861 | rs10964134 | rs6476030 | 62 | 3 |
| 1 | Case | Male | 9 | 1,905,483 | 1,972,607 | 67,125 | rs4551422 | rs7027936 | 18 | 1 |
| 1 | Control | Female | 9 | 9,782,326 | 9,859,714 | 77,389 | rs12684906 | rs10978049 | 39 | 1 |
| 1 | Case | Male | 9 | 10,423,023 | 10,491,953 | 68,931 | rs669484 | rs2181156 | 20 | 1 |
| 1 | Case | Male | 9 | 15,287,028 | 15,352,057 | 65,030 | rs3905248 | rs1942476 | 26 | 1 |
| 1 | Case | Female | 9 | 15,287,028 | 15,360,575 | 73,548 | rs3905248 | rs1105191 | 27 | 1 |
| 1 | Case | Male | 9 | 15,865,162 | 15,933,931 | 68,770 | rs2794632 | rs10810488 | 21 | 1 |
| 1 | Control | Male | 9 | 17,524,866 | 17,623,232 | 98,367 | rs2593375 | rs2208496 | 39 | 3 |
| 1 | Case | Male | 9 | 19,458,614 | 19,523,872 | 65,259 | rs7021669 | rs2383100 | 22 | 3 |
| 1 | Control | Male | 9 | 28,388,225 | 28,445,146 | 56,922 | rs10968560 | rs16913128 | 33 | 1 |
| 1 | Control | Male | 9 | 28,519,410 | 28,591,613 | 72,204 | rs12551829 | rs16913380 | 25 | 1 |
| 1 | Control | Female | 9 | 32,245,125 | 32,331,611 | 86,487 | rs10970869 | rs10970932 | 26 | 1 |
| 1 | Control | Female | 9 | 77,568,615 | 77,645,475 | 76,861 | rs7848931 | rs11144641 | 18 | 3 |
| 1 | Control | Female | 9 | 131,088,774 | 131,139,212 | 50,439 | rs7029664 | rs2026995 | 23 | 3 |
| 3 | Case.Control | All males | 9 | 132,404,905 | 132,476,485 | 71,581 | rs944605 | rs12351309 | 17 | 3 |
| 1 | Case | Male | 9 | 138,374,138 | 138,437,690 | 63,553 | rs11145922 | rs1130635 | 13 | 3 |

**Chromosome 10**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 10p15.3 | 1,125,248 | 1,270,409 | 145,162 | rs4880474 | rs4880802 | 51 | 3 |
| **1** | **Control** | **Female** | **10p15.1** | **3,862,876** | **4,519,263** | **656,388** | **rs10904103** | **rs1079110** | **184** | **3** |
| 2 | All controls | All female | 10p15.1 | 5,120,610 | 5,383,936 | 263,327 | rs1937905 | rs10752011 | 83 | 1.3 |
| 2 | All cases | All male | 10p12.1 | 27,609,527 | 27,915,012 | 305,486 | rs2483499 | rs1494209 | 68 | 3.1 |
| 1 | Case | Male | 10p11.23 | 28,300,157 | 28,502,418 | 202,262 | rs4405206 | rs4309056 | 58 | 3 |
| **1** | **Case** | **Male** | **10p11.21** | **36,323,016** | **37,702,921** | **1,379,906** | **rs10508823** | **rs1938421** | **228** | **3** |
| 24 | Case.Control | Male.Female | 10q11.21 | 44,530,696 | 44,679,489 | 148,794 | rs7097094 | rs6593445 | 25 | 3 |
| 128 | Case.Control | Male.Female | 10q11.22 | 47,013,328 | 47,173,619 | 160,292 | rs11259779 | rs4128664 | 35 | 3.1 |
| **1** | **Control** | **Female** | **10q11.22-11.23** | **47,013,328** | **51,492,912** | **4,479,585** | **rs11259779** | **rs3964873** | **608** | **1** |
| 1 | Control | Female | 10q21.1 | 57,834,323 | 57,977,755 | 143,433 | rs10825792 | rs10509049 | 18 | 1 |
| 1 | Control | Female | 10q21.2 | 64,020,539 | 64,140,681 | 120,143 | rs2176289 | rs224136 | 31 | 1 |
| 1 | Control | Male | 10q21.3 | 67,724,488 | 67,878,895 | 154,408 | rs10762051 | rs10997133 | 50 | 1 |
| 2 | Case.Control | Male.Female | 10q21.3 | 67,878,895 | 68,180,377 | 301,482 | rs10997133 | rs12268982 | .. | 1 |
| 2 | All controls | All female | 10q21.3 | 68,411,841 | 68,592,248 | 180,408 | rs942788 | rs10822992 | 58 | 3 |
| 1 | Control | Male | 10q22.3 | 81,567,594 | 81,962,366 | 394,773 | rs10885307 | rs3000954 | 67 | 3 |
| 1 | Case | Male | 10q23.1 | 82,370,645 | 82,662,797 | 292,153 | rs7067934 | rs2345201 | 95 | 4 |
| 1 | Case | Male | 10q25.1 | 108,160,793 | 108,416,196 | 255,404 | rs17120734 | rs7095427 | 50 | 3 |
| 1 | Control | Female | 10q25.2 | 112,038,085 | 112,236,342 | 198,258 | rs1954281 | rs7911973 | 65 | 3 |
| 2 | All controls | All female | 10q25.3 | 116,142,344 | 116,518,284 | 375,941 | rs537432 | rs11196905 | 98 | 3 |
| 30 | Case.Control | Male.Female | 10q26.3 | 135,116,379 | 135,227,438 | 111,060 | rs2265900 | rs10857762 | 32 | 3.1 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 10 | 724,229 | 810,868 | 86,640 | rs1769236 | rs10752019 | 25 | 3 |
| 1 | Control | Female | 10 | 5,120,610 | 5,196,096 | 75,487 | rs1937905 | rs2398103 | 20 | 1 |
| 1 | Control | Female | 10 | 15,030,375 | 15,100,889 | 70,515 | rs7916726 | rs7916087 | 12 | 3 |
| 7 | Case.Control | Male.Female | 10 | 27,652,366 | 27,745,861 | 93,496 | rs237605 | rs11015755 | 27 | 1 |
| 1 | Control | Male | 10 | 47,013,328 | 47,104,196 | 90,869 | rs11259779 | rs11259756 | 16 | 3 |
| 1 | Control | Female | 10 | 47,013,328 | 47,110,350 | 97,023 | rs11259779 | rs12775238 | 17 | 3 |
| 1 | Control | Female | 10 | 47,058,066 | 47,157,807 | 99,742 | rs17835817 | rs7076022 | 26 | 3 |
| 1 | Control | Female | 10 | 47,091,948 | 47,173,619 | 81,672 | rs5019325 | rs4128664 | 26 | 3 |
| 1 | Case | Male | 10 | 51,185,540 | 51,264,468 | 78,929 | rs2611512 | rs7350420 | 15 | 1 |
| 1 | Case | Female | 10 | 53,422,481 | 53,475,366 | 52,886 | rs11000400 | rs6480687 | 27 | 1 |
| 1 | Case | Male | 10 | 56,280,721 | 56,361,311 | 80,591 | rs10763151 | rs1733795 | 29 | 0 |
| 1 | Control | Male | 10 | 67,954,023 | 68,023,745 | 69,723 | rs2939914 | rs1911338 | 19 | 1 |
| 1 | Control | Female | 10 | 68,139,243 | 68,222,395 | 83,153 | rs10997325 | rs7078170 | 29 | 1 |
| 1 | Case | Male | 10 | 76,654,917 | 76,751,854 | 96,938 | rs1505378 | rs2488696 | 18 | 3 |
| 1 | Case | Male | 10 | 116,247,513 | 116,322,760 | 75,248 | rs7910989 | rs2483567 | 25 | 1 |
| 1 | Case | Female | 10 | 133,967,990 | 134,025,568 | 57,579 | rs2492651 | rs10870295 | 12 | 3 |
| 19 | Case.Control | Male.Female | 10 | 135,116,379 | 135,202,090 | 85,712 | rs2265900 | rs2480258 | 25 | 3 |
| 1 | Case | Female | 10 | 135,125,348 | 135,202,090 | 76,743 | rs2252728 | rs2480258 | 24 | 3 |
| 2 | Case.Control | Male.Female | 10 | 135,153,022 | 135,227,438 | 74,417 | rs1329152 | rs10857762 | 23 | 3 |
| 1 | Case | Male | 10 | 135,156,148 | 135,227,438 | 71,291 | rs1536827 | rs10857762 | 22 | 3 |
| 1 | Case | Female | 10 | 135,170,612 | 135,227,438 | 56,827 | rs9418982 | rs10857762 | 21 | 3 |

**Chromosome 11**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Case.Control | Male.Female | 11p15.4 | 4,763,448 | 4,865,576 | 102,129 | rs12806476 | rs2595982 | 36 | 1 |
| **1** | **Case** | **Male** | **11p14.3** | **23,777,209** | **25,658,239** | **1,881,031** | **rs7111329** | **rs7930199** | **432** | **1** |
| 2 | All cases | All male | 11p13 | 33,089,440 | 33,474,966 | 385,527 | rs3117655 | rs2756277 | 39 | 3 |
| 1 | Case | Male | 11q11 | 54,784,999 | 55,179,162 | 394,164 | rs3851113 | rs11230571 | 52 | 3 |
| 1 | Control | Male | 11q11 | 55,420,386 | 55,656,373 | 235,988 | rs9943659 | rs11606821 | 71 | 1 |
| 1 | Case | Male | 11q11 | 55,841,187 | 55,991,637 | 150,451 | rs1871846 | rs688740 | 35 | 1 |
| 1 | Control | Male | 11q13.3 | 70,029,656 | 70,148,281 | 118,626 | rs12364154 | rs4980629 | 45 | 1 |
| 1 | Case | Male | 11q13.4 | 71,544,815 | 71,939,763 | 394,949 | rs590586 | rs10793034 | 55 | 1 |
| 1 | Control | Male | 11q14.1 | 83,700,473 | 83,941,704 | 241,232 | rs7106746 | rs7937583 | 68 | 1 |
| 2 | Case.Control | Male.Female | 11q21 | 92,621,411 | 92,823,370 | 201,960 | rs1446905 | rs2658785 | 45 | 1 |
| 1 | Case | Male | 11q21 | 94,080,501 | 94,514,354 | 433,854 | rs4753145 | rs530190 | 94 | 3 |
| 1 | Control | Male | 11q22.1 | 98,481,670 | 98,587,547 | 105,878 | rs10790462 | rs11606720 | 59 | 1 |
| 1 | Control | Female | 11q22.1 | 98,781,901 | 98,916,984 | 135,084 | rs7929417 | rs10790789 | 56 | 1 |
| **1** | **Case** | **Female** | **11q22.3** | **104,496,850** | **105,020,174** | **523,325** | **rs4587693** | **rs10791764** | **73** | **3** |
| **1** | **Case** | **Female** | **11q23.3** | **119,320,458** | **120,113,871** | **793,414** | **rs634351** | **rs948032** | **181** | **3** |
| 1 | Control | Female | 11q24.1 | 122,823,273 | 122,954,103 | 130,831 | rs2846062 | rs1275056 | 50 | 3 |
| 3 | Case.Control | Male.Female | 11q25 | 132,329,581 | 132,826,177 | 496,596 | rs4542422 | rs10894683 | .. | 3 |
| **1** | **Case** | **Female** | **11q25** | **133,817,698** | **134,392,238** | **574,541** | **rs7935790** | **rs1382495** | **203** | **3** |
| 1 | Control | Female | 11q25 | 133,823,692 | 134,226,681 | 402,990 | rs11223820 | rs11605126 | 162 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 11 | 1,073,364 | 1,127,086 | 53,723 | rs7396030 | rs7112954 | 13 | 3 |
| 1 | Case | Male | 11 | 5,719,425 | 5,769,525 | 50,101 | rs1498550 | rs11039054 | 16 | 1 |
| 1 | Case | Male | 11 | 6,712,358 | 6,763,819 | 51,462 | rs12223079 | rs497681 | 21 | 1 |
| 1 | Case | Female | 11 | 36,400,971 | 36,484,601 | 83,631 | rs7951020 | rs520074 | 37 | 3 |
| 101 | Case.Control | Male.Female | 11 | 55,127,597 | 55,204,003 | 76,407 | rs2456022 | rs7934845 | 11 | 1 |
| 3 | Case.Control | Male.Female | 11 | 55,139,733 | 55,204,003 | 64,271 | rs573732 | rs7934845 | 10 | 1 |
| 1 | Case | Male | 11 | 95,661,034 | 95,730,814 | 69,781 | rs499866 | rs2186760 | 17 | 3 |
| 5 | Case.Control | Male.Female | 11 | 133,663,955 | 133,715,739 | 51,785 | rs3824995 | rs1258852 | 21 | 1 |

**Chromosome 12**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| **1** | **Control** | **Female** | **12p13.33** | **864,191** | **1,407,515** | **543,325** | **rs7300444** | **rs16928422** | **87** | **3** |
| 1 | Control | Female | 12p13.33 | 1,099,757 | 1,477,651 | 377,895 | rs11829288 | rs10848495 | 60 | 1 |
| 2 | Case.Control | Male.Female | 12p13.32 | 3,944,655 | 4,316,338 | 371,684 | rs658719 | rs7306862 | 93 | 3.1 |
| 1 | Control | Female | 12p13.31 | 6,993,337 | 7,193,249 | 199,913 | rs9668071 | rs3816423 | 33 | 3 |
| 66 | Case.Control | Male.Female | 12p13.31 | 7,876,208 | 8,017,012 | 140,804 | rs7970550 | rs64488801 | .. | 3.1 |
| 1 | Control | Female | 12p13.31 | 8,496,483 | 8,665,794 | 169,312 | rs6487136 | rs12321209 | 34 | 1 |
| **1** | **Case** | **Female** | **12p12.3** | **17,122,370** | **18,514,308** | **1,391,939** | **rs1441696** | **rs1447408** | **256** | **3** |
| 4 | Case.Control | Male.Female | 12p12.3 | 19,358,223 | 19,478,849 | 120,627 | rs7297169 | rs2638413 | 24 | 3 |
| 4 | All controls | Male.Female | 12p12.12.1 | 20,820,070 | 21,296,099 | 476,029 | rs1588918 | rs7975087 | .. | 1 |
| 1 | Control | Female | 12p11.23 | 27,229,452 | 27,437,644 | 208,193 | rs4265668 | rs11048998 | 52 | 3 |
| 1 | Control | Female | 12q11.23 | 27,520,009 | 27,679,741 | 159,733 | rs6487610 | rs1002422 | 65 | 3 |
| 2 | All controls | Male.Female | 12p11.22 | 28,347,265 | 28,496,693 | 149,429 | rs7316831 | rs10771427 | 32 | 1 |
| **1** | **Case** | **Male** | **12p11.22-11.21** | **29,224,176** | **32,830,870** | **3,606,695** | **rs10843339** | **rs7960630** | **970** | **1** |
| 34 | Case.Control | Male.Female | 12p11.21 | 31,101,381 | 31,298,174 | 196,794 | rs244496 | rs1025624 | 32 | 3 |
| **1** | **Case** | **Female** | **12p11.1** | **33,434,487** | **34,008,675** | **574,189** | **rs1905416** | **rs406753** | **71** | **1** |
| 1 | Control | Female | 12q12 | 38,853,914 | 39,058,810 | 204,897 | rs2638247 | rs11176330 | 73 | 1 |
| 1 | Control | Male | 12q13.11 | 45,537,094 | 45,768,933 | 231,840 | rs2263487 | rs739706 | 41 | 3 |
| 1 | Control | Male | 12q13.11 | 46,227,031 | 46,330,773 | 103,743 | rs7958908 | rs1233057 | 23 | 4 |
| 1 | Case | Male | 12q13.13 | 49,517,328 | 49,666,499 | 149,172 | rs10876099 | rs149411 | 24 | 3 |
| 1 | Case | Male | 12q13.2 | 54,945,126 | 55,139,498 | 194,373 | rs1274500 | rs7313455 | 23 | 3 |
| **1** | **Control** | **Male** | **12q21.1** | **71,276,461** | **71,859,679** | **583,219** | **rs10506659** | **rs2138429** | **86** | **3** |
| 1 | Case | Male | 12q21.31 | 82,033,274 | 82,157,215 | 123,942 | rs11115597 | rs12426701 | 35 | 3 |
| 1 | Case | Male | 12q24.13-24.21 | 112,749,210 | 112,962,947 | 213,738 | rs11066776 | rs11066904 | 67 | 3 |
| **1** | **Control** | **Male** | **12q24.32** | **126,789,194** | **127,472,548** | **683,355** | **rs11059329** | **rs10847613** | **233** | **3** |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 12 | 64,079 | 132,302 | 68,224 | rs4980929 | rs2887340 | 23 | 3 |
| 1 | Case | Male | 12 | 5,448,916 | 5,499,193 | 50,278 | rs12370969 | rs4073042 | 22 | 3 |
| 3 | All cases | Male.Female | 12 | 7,884,583 | 7,982,106 | 97,524 | rs2889545 | rs7309332 | 23 | 3 |
| 1 | Case | Male | 12 | 7,888,157 | 7,979,494 | 91,338 | rs11056079 | rs2244822 | 20 | 3 |
| 3 | All cases | Male.Female | 12 | 7,891,603 | 7,990,569 | 98,967 | rs7965203 | rs1473164 | 22 | 1 |
| 2 | All cases | All males | 12 | 7,899,399 | 7,990,569 | 91,171 | rs2889504 | rs1473164 | 20 | 3.1 |
| 1 | Case | Male | 12 | 7,913,199 | 7,990,569 | 77,371 | rs10846078 | rs1473164 | 17 | 1 |
| 1 | Case | Male | 12 | 7,932,188 | 7,990,569 | 58,382 | rs17800848 | rs1473164 | 13 | 1 |
| 1 | Control | Female | 12 | 16,358,963 | 16,457,819 | 98,857 | rs10772921 | rs6488844 | 28 | 3 |
| 1 | Case | Male | 12 | 19,358,223 | 19,452,810 | 94,588 | rs7297169 | rs7304081 | 19 | 3 |
| 2 | All controls | Male.Female | 12 | 19,384,370 | 19,452,810 | 68,441 | rs10770476 | rs7304081 | 16 | 3 |
| 7 | Case.Control | Male.Female | 12 | 19,384,370 | 19,469,374 | 85,005 | rs10770476 | rs2961365 | 18 | 3 |
| 1 | Case | Male | 12 | 19,396,664 | 19,469,374 | 72,711 | rs11044508 | rs2961365 | 16 | 3 |
| 1 | Case | Male | 12 | 21,169,459 | 21,232,363 | 62,905 | rs11045776 | rs11045834 | 24 | 1 |
| 1 | Case | Male | 12 | 21,909,431 | 21,988,568 | 79,138 | rs697252 | rs1517272 | 14 | 1 |
| 2 | All controls | Male.Female | 12 | 31,202,342 | 31,298,174 | 95,833 | rs7953222 | rs1025624 | 24 | 3 |
| 1 | Case | Male | 12 | 31,226,070 | 31,293,957 | 67,888 | rs11051303 | rs684454 | 20 | 3 |
| 17 | Case.Control | Male.Female | 12 | 31,226,070 | 31,298,174 | 72,105 | rs11051303 | rs1025624 | 23 | 3 |
| 2 | All controls | All males | 12 | 31,226,070 | 31,300,846 | 74,777 | rs11051303 | rs617372 | 24 | 3 |
| 10 | Case.Control | Male.Female | 12 | 31,889,248 | 31,954,269 | 65,022 | rs2186010 | rs1150990 | 26 | 3 |
| 10 | Case.Control | Male.Female | 12 | 31,892,782 | 31,954,269 | 61,488 | rs2128611 | rs1150990 | 25 | 3 |
| 16 | Case.Control | Male.Female | 12 | 31,895,437 | 31,954,269 | 58,833 | rs7980890 | rs1150990 | 24 | 3 |
| 1 | Case | Male | 12 | 46,232,064 | 46,330,773 | 98,710 | rs2214527 | rs1233057 | 22 | 3 |
| 4 | Case.Control | Male.Female | 12 | 50,977,370 | 51,063,780 | 86,411 | rs949387 | rs2245203 | 43 | 3 |
| 1 | Control | Male | 12 | 50,977,370 | 51,068,408 | 91,039 | rs949387 | rs949385 | 44 | 3 |
| 1 | Case | Male | 12 | 50,978,474 | 51,068,408 | 89,935 | rs17706759 | rs949385 | 43 | 3 |
| 1 | Control | Female | 12 | 50,981,897 | 51,043,180 | 61,284 | rs1894033 | rs10876280 | 30 | 3 |
| 1 | Control | Male | 12 | 50,981,897 | 51,047,946 | 66,050 | rs1894033 | rs1791625 | 31 | 3 |
| 1 | Control | Male | 12 | 50,993,015 | 51,047,946 | 54,932 | rs4761861 | rs1791625 | 25 | 3 |
| 1 | Control | Male | 12 | 50,993,015 | 51,063,780 | 70,766 | rs4761861 | rs2245203 | 33 | 3 |
| 1 | Case | Male | 12 | 50,994,687 | 51,068,408 | 73,722 | rs2857671 | rs949385 | 33 | 3 |
| 1 | Control | Male | 12 | 53,600,613 | 53,697,983 | 97,371 | rs11831847 | rs17116813 | 34 | 1 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 12 | 80,099,826 | 80,169,986 | 70,161 | rs12425311 | rs1921057 | 11 | 3 |
| 1 | Control | Male | 12 | 80,451,775 | 80,544,068 | 92,294 | rs7304553 | rs12826603 | 22 | 3 |
| 1 | Case | Male | 12 | 94,821,290 | 94,884,637 | 63,348 | rs6538683 | rs1025607 | 27 | 1 |
| 2 | All cases | All males | 12 | 106,929,893 | 107,000,267 | 70,375 | rs1896058 | rs17318454 | 16 | 1 |
| 1 | Case | Male | 12 | 122,685,936 | 122,761,809 | 75,874 | rs11572920 | rs7399224 | 12 | 3 |
| 1 | Control | Female | 12 | 127,753,095 | 127,830,791 | 77,697 | rs7968958 | rs12299194 | 36 | 3 |
| 1 | Case | Male | 12 | 130,281,795 | 130,380,887 | 99,093 | rs7295155 | rs11608663 | 33 | 1 |
| 1 | Case | Male | 12 | 130,288,474 | 130,380,887 | 92,414 | rs10848321 | rs11608663 | 30 | 1 |
| 2 | All cases | All males | 12 | 130,296,270 | 130,378,451 | 82,182 | rs4387437 | rs4759915 | 26 | 1 |
| 13 | Case.Control | Male.Female | 12 | 130,296,270 | 130,380,887 | 84,618 | rs4387437 | rs11608663 | 27 | 1 |
| 1 | Case | Female | 12 | 130,299,179 | 130,380,887 | 81,709 | rs12819042 | rs11608663 | 25 | 1 |

**Chromosome 13**

| *# Ids* | *Status* | *Gender* | *Band position* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 13q12.12 | 23,138,331 | 23,310,180 | 171,850 | rs8001054 | rs17079410 | 42 | 3 |
| 2 | All controls | Male.Female | 13q12.12 | 23,381,053 | 24,108,959 | 727,906 | rs7337921 | rs17080865 | .. | 3.1 |
| 1 | Case | Female | 13q12.3 | 30,670,353 | 31,100,333 | 429,981 | rs9598993 | rs9603395 | 96 | 1 |
| 1 | Control | Female | 13q21.1 | 56,690,719 | 56,930,507 | 239,789 | rs9563481 | rs1449571 | 30 | 1 |
| 1 | Control | Male | 13q21.33 | 69,262,275 | 69,681,012 | 418,738 | rs9572286 | rs2225216 | 104 | 1 |
| 1 | Case | Male | 13q22.2 | 75,319,632 | 75,516,975 | 197,344 | rs9530473 | rs9573726 | 74 | 3 |
| 3 | Case.Control | Male.Female | 13q31.3 | 90,843,580 | 91,097,610 | 254,031 | rs9523322 | rs16946366 | 65 | 1 |
| 1 | Control | Male | 13q31.3 | 92,612,027 | 92,951,673 | 339,647 | rs319533 | rs7332793 | 91 | 3 |
| 1 | Control | Female | 13q33.3 | 106,353,066 | 106,713,791 | 360,726 | rs9301169 | rs1819243 | 97 | 3 |
| 1 | Control | Female | 13q34 | 112,241,985 | 112,406,585 | 164,601 | rs9550130 | rs282578 | 36 | 3 |

**CNVs 50 – 100 kb**

| *# Ids* | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 13 | 19,386,212 | 19,472,373 | 86,162 | rs1413477 | rs6490506 | 12 | 3 |
| 1 | Case | Male | 13 | 24,172,526 | 24,229,027 | 56,502 | rs3783061 | rs3803217 | 16 | 3 |
| 1 | Case | Male | 13 | 27,800,008 | 27,877,480 | 77,473 | rs3794400 | rs10507384 | 20 | 3 |
| 1 | Case | Male | 13 | 41,477,528 | 41,534,943 | 57,416 | rs17062708 | rs943390 | 18 | 3 |
| 1 | Case | Male | 13 | 91,035,934 | 91,097,610 | 61,677 | rs9523366 | rs16946366 | 20 | 1 |
| 1 | Control | Male | 13 | 91,759,152 | 91,836,914 | 77,763 | rs7327328 | rs9301803 | 17 | 3 |
| 1 | Control | Male | 13 | 94,740,493 | 94,817,355 | 76,863 | rs7330673 | rs2389251 | 33 | 3 |
| 1 | Control | Male | 13 | 99,774,563 | 99,853,489 | 78,927 | rs16957301 | rs9557426 | 11 | 1 |
| 1 | Control | Female | 13 | 106,990,121 | 107,055,221 | 65,101 | rs2809285 | rs957788 | 22 | 1 |
| 1 | Case | Male | 13 | 107,159,560 | 107,238,344 | 78,785 | rs9783586 | rs9555408 | 25 | 1 |
| 2 | Case.Control | All males | 13 | 110,480,001 | 110,542,939 | 62,939 | rs9522086 | rs958378 | 18 | 3 |
| 4 | Case.Control | All males | 13 | 110,480,001 | 110,547,117 | 67,117 | rs9522086 | rs7983441 | 19 | 3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 13 | 110,480,001 | 110,571,109 | 91,109 | rs9522086 | rs9555773 | 23 | 3 |
| 1 | Control | Male | 13 | 110,483,173 | 110,547,117 | 63,945 | rs7991093 | rs7983441 | 18 | 3 |

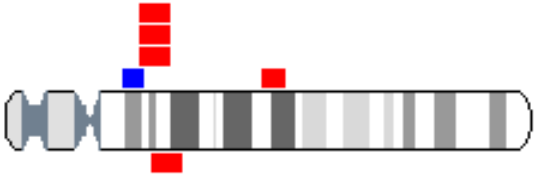
**Chromosome 14**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 14q11.2 | 22,230,034 | 22,334,110 | 104,077 | rs7140697 | rs8008860 | 33 | 3 |
| 1 | Control | Male | 14q13.1-13.2 | 34,023,130 | 34,289,096 | 265,967 | rs8011759 | rs2010608 | 46 | 3 |
| 1 | Control | Female | 14q21.3 | 43,889,940 | 44,001,343 | 111,404 | rs10136083 | rs1953572 | 27 | 3 |
| 1 | Case | Male | 14q31.1 | 80,469,445 | 80,601,507 | 132,063 | rs2195101 | rs11845164 | 37 | 1 |
| 1 | Case | Male | 14q31.3 | 88,246,365 | 88,535,786 | 289,422 | rs10135487 | rs763313 | 41 | 3 |
| **1** | **Control** | **Female** | **14q32.11** | **89,070,864** | **89,729,892** | **659,029** | **rs386276** | **rs7155680** | **153** | **4** |
| 1 | Control | Male | 14q32.33 | 103,056,893 | 103,480,058 | 423,166 | rs2071407 | rs17101957 | 48 | 3 |

**CNVs 50 – 100 kb**

| # Ids | Status | Gender | Chr | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 14 | 34,425,051 | 34,489,343 | 64,293 | rs1400745 | rs1568200 | 12 | 3 |
| 2 | All cases | Male.Female | 14 | 71,811,439 | 71,865,114 | 53,676 | rs10483843 | rs1996661 | 15 | 1 |

**Chromosome 15**



| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Case.Control | Male.Female | 15q11.2 | 20,306,549 | 20,778,963 | 472,415 | rs8040193 | rs1976210 | 116 | 3.1 |
| 12 | Case.Control | Male.Female | 15q11.2 | 21,905,523 | 22,083,695 | 178,173 | rs8032590 | rs1532517 | 18 | 3.1 |
| **1** | **Case** | **Female** | **15q12-13.1** | **25,468,061** | **26,017,833** | **549,773** | **rs11858785** | **rs7495174** | **152** | **3** |
| 1 | Case | Male | 15q13.1 | 25,818,619 | 25,950,357 | 131,739 | rs2871886 | rs13329466 | 36 | 3 |
| **3** | **All cases** | **Male.Female** | **15q13.2-13.3** | **28,723,577** | **30,302,218** | **1,578,642** | **rs2046362** | **rs4779984** | **287** | **1** |
| 2 | All controls | All male | 15q13.3 | 29,807,358 | 30,302,218 | 494,861 | rs10459624 | rs4779984 | 89 | 3 |
| **1** | **Control** | **Male** | **15q13.3-14** | **30,713,368** | **33,237,841** | **2,524,474** | **rs11632524** | **rs11854468** | **872** | **1** |
| 1 | Control | Male | 15q14 | 32,145,617 | 32,300,108 | 154,492 | rs541098 | rs7169884 | 22 | 1 |
| 2 | Case.Control | Male.Female | 15q14 | 32,505,886 | 32,779,408 | 273,522 | rs3894644 | rs4924132 | .. | 1 |
| 1 | Control | Female | 15q21.1 | 42,882,488 | 42,992,246 | 109,759 | rs1152725 | rs4082812 | 13 | 1 |
| 1 | Control | Male | 15q21.2 | 48,767,030 | 48,987,325 | 220,296 | rs8027597 | rs2249535 | 31 | 3 |
| **1** | **Case** | **Male** | **15q21.3** | **51,420,702** | **52,517,515** | **1,096,814** | **rs272789** | **rs2414315** | **338** | **1** |
| 1 | Control | Male | 15q21.3 | 52,559,172 | 52,761,719 | 202,548 | rs4641682 | rs6493701 | 46 | 1 |
| 4 | Case.Control | Male.Female | 15q21.3 | 55,431,559 | 55,563,118 | 131,560 | rs935322 | rs12148280 | 79 | 3 |
| 1 | Case | Male | 15q22.1-22.2 | 57,055,702 | 57,182,476 | 126,775 | rs2899637 | rs10851643 | 17 | 1 |
| 1 | Case | Male | 15q24.3-25.1 | 75,697,257 | 76,189,313 | 492,057 | rs907396 | rs3784327 | 84 | 3 |
| 1 | Control | Male | 15q25.3 | 83,626,571 | 83,886,780 | 260,210 | rs6496932 | rs2169876 | 50 | 3 |
| 1 | Control | Female | 15q25.3 | 84,206,708 | 84,486,939 | 280,232 | rs1986595 | rs4887198 | 61 | 3 |
| 1 | Control | Male | 15q26.1 | 88,650,522 | 88,753,236 | 102,715 | rs6496649 | rs2589948 | 27 | 3 |
| 1 | Control | Female | 15q26.3 | 96,539,696 | 96,960,825 | 421,130 | rs1552050 | rs6598534 | 142 | 3 |
| 3 | Case.Control | Male.Female | 15q26.3 | 98,197,646 | 98,316,888 | 119,243 | rs11635811 | rs745104 | 24 | 1 |
| 1 | Control | Female | 15q26.3 | 98,521,675 | 98,711,322 | 189,648 | rs12437498 | rs13380040 | 81 | 1 |
| 1 | Control | Male | 15q26.3 | 99,852,790 | 99,964,634 | 111,845 | rs2047222 | rs4965905 | 53 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 15 | 20,330,244 | 20,425,225 | 94,982 | rs6606788 | rs548 | 26 | 1 |
| 56 | Case.Control | Male.Female | 15 | 32,505,886 | 32,587,887 | 82,002 | rs3894644 | rs4924714 | 11 | 4.1 |
| 1 | Control | Male | 15 | 32,658,588 | 32,719,522 | 60,935 | rs2879515 | rs1836973 | 19 | 1 |
| 1 | Control | Female | 15 | 55,441,044 | 55,538,982 | 97,939 | rs4553565 | rs10048047 | 49 | 3 |
| 1 | Case | Male | 15 | 58,332,482 | 58,409,103 | 76,622 | rs16942348 | rs8033985 | 25 | 1 |
| 1 | Case | Male | 15 | 97,298,194 | 97,367,760 | 69,567 | rs11635251 | rs2654976 | 32 | 3 |
| 1 | Case | Male | 15 | 97,299,355 | 97,357,475 | 58,121 | rs2684799 | rs7177074 | 30 | 3 |
| 1 | Case | Male | 15 | 99,975,177 | 100,066,701 | 91,525 | rs7168948 | rs8038125 | 12 | 3 |

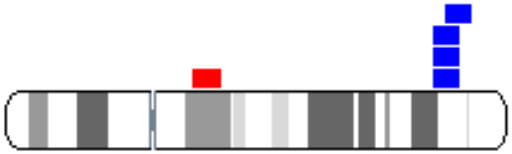
**Chromosome 16**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 16p13.2 | 6,573,081 | 6,681,580 | 108,500 | rs8044704 | rs7204582 | 73 | 1 |
| 1 | Control | Male | 16p13.2 | 6,795,938 | 6,928,412 | 132,475 | rs6500840 | rs11077116 | 68 | 3 |
| 1 | Case | Male | 16p13.2 | 6,972,054 | 7,132,653 | 160,600 | rs4287581 | rs12445853 | 74 | 1 |
| 1 | Control | Female | 16p13.2 | 7,619,581 | 8,116,843 | 497,263 | rs3785228 | rs8050359 | 190 | 3 |
| 2 | Case.Control | All male | 16p13.2 | 8,797,034 | 8,956,611 | 159,578 | rs1864 | rs10500366 | 39 | 3 |
| **6** | **Case.Control** | **Male.Female** | **16p13.11** | **15,032,942** | **16,197,033** | **1,164,092** | **rs49985124** | **rs8056397** | **201** | **3** |
| 1 | Case | Male | 16p13.11 | 15,420,076 | 15,561,832 | 141,757 | rs3844608 | rs9923708 | 18 | 3 |
| 1 | Control | Male | 16p13.11 | 16,002,946 | 16,197,033 | 194,088 | rs4780585 | rs8056397 | 72 | 3 |
| 1 | Control | Male | 16p12.3 | 16,767,302 | 17,091,142 | 323,841 | rs11649230 | rs4533273 | 73 | 3 |
| **1** | **Control** | **Male** | **16p12.3** | **16,880,637** | **18,072,544** | **1,191,908** | **rs4496122** | **rs9284326** | **285** | **3** |
| 2 | All cases | All male | 16p12.2 | 21,482,719 | 21,647,775 | 165,057 | rs13339281 | rs8050407 | 19 | 3.1 |
| 2 | All cases | Male.Female | 16p12.1 | 21,856,623 | 22,331,199 | 474,576 | rs2945466 | rs12446433 | .. | 3 |
| 2 | Case.Control | Male.Female | 16p12.1 | 22,581,356 | 22,685,278 | 103,923 | rs2887622 | rs209462 | 20 | 3 |
| 1 | Case | Male | 16q23.1 | 74,798,976 | 75,087,696 | 288,721 | rs21944295 | rs17767530 | 78 | 1 |
| 2 | Case.Control | Male.Female | 16q23.1 | 75,830,083 | 75,988,077 | 157,994 | rs4887899 | rs17620846 | .. | 1 |
| 1 | Case | Male | 16q23.1 | 76,180,501 | 76,535,568 | 355,068 | rs12925765 | rs7189161 | 198 | 3 |
| 1 | Control | Female | 16q23.1 | 76,943,796 | 77,083,313 | 139,518 | rs4624193 | rs12716855 | 39 | 1 |
| **3** | **Case.Control** | **Male.Female** | **16q23.3** | **80,739,605** | **82,222,770** | **1,483,166** | **rs1056629** | **rs12449206** | **822** | **3** |
| 1 | Control | Male | 16q23.3 | 82,398,662 | 82,502,789 | 104,128 | rs41103 | rs12598185 | 47 | 1 |
| 1 | Case | Male | 16q24.1 | 83,663,144 | 83,786,163 | 123,020 | rs12597135 | rs7200824 | 41 | 3 |
| 1 | Case | Male | 16q24.2 | 86,225,098 | 86,592,857 | 367,760 | rs16943093 | rs4843294 | 87 | 3 |
| 1 | Case | Female | 16q24.3 | 88,171,502 | 88,317,399 | 145,898 | rs455527 | rs6500437 | 18 | 3 |

**CNVs 50 – 100 kb**

| # Ids | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Male | 16 | 4,120,912 | 4,185,910 | 64,999 | rs917011 | rs11865087 | 18 | 1 |
| 1 | Control | Female | 16 | 6,237,353 | 6,331,875 | 94,523 | rs13331533 | rs1640881 | 44 | 1 |
| 1 | Case | Male | 16 | 6,810,629 | 6,869,537 | 58,909 | rs12919350 | rs2172308 | 31 | 1 |
| 1 | Control | Female | 16 | 7,073,249 | 7,136,047 | 62,799 | rs1478713 | rs899308 | 45 | 3 |
| 1 | Control | Female | 16 | 29,554,843 | 29,618,844 | 64,002 | rs9926100 | rs7195050 | 14 | 3 |
| 1 | Case | Male | 16 | 75,813,236 | 75,879,447 | 66,212 | rs13338146 | rs4887902 | 23 | 1 |
| 2 | All controls | All females | 16 | 76,578,045 | 76,629,008 | 50,964 | rs7192427 | rs4309408 | 23 | 1 |
| 1 | Case | Female | 16 | 76,619,660 | 76,674,781 | 55,122 | rs2075738 | rs7184271 | 23 | 1 |
| 2 | All controls | Male.Female | 16 | 76,860,767 | 76,922,628 | 61,862 | rs4508428 | rs3924959 | 24 | 1 |
| 1 | Control | Male | 16 | 76,860,767 | 76,925,315 | 64,549 | rs4508428 | rs8052110 | 25 | 1 |
| 1 | Control | Male | 16 | 79,761,582 | 79,852,394 | 90,813 | rs12934430 | rs6564863 | 30 | 3 |
| 1 | Case | Male | 16 | 81,513,721 | 81,602,166 | 88,446 | rs12102479 | rs12925746 | 49 | 1 |
| 1 | Case | Male | 16 | 82,613,399 | 82,683,859 | 70,461 | rs2875853 | rs11149625 | 34 | 3 |

**Chromosome 17**



| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | All controls | Male.Female | 17p13.3 | 51,088 | 399,648 | 348,560 | rs4890183 | rs3744734 | .. | 3 |
| 1 | Case | Female | 17p13.3 | 1,151,041 | 1,337,249 | 186,209 | rs4790823 | rs2358973 | 42 | 3 |
| 2 | Case.Control | Male.Female | 17p13.2-13.1 | 6,699,238 | 6,801,331 | 102,094 | rs4510074 | rs17732181 | 19 | 1 |
| 3 | All cases | All male | 17p11.2 | 21,628,545 | 21,755,434 | 126,890 | rs1478999 | rs6565378 | 14 | 3.1 |
| 1 | Case | Male | 17q12 | 30,154,039 | 30,312,476 | 158,438 | rs1860199 | rs9635769 | 25 | 1 |
| 1 | Case | Male | 17q12 | 31,309,506 | 31,413,531 | 104,026 | rs4796143 | rs1467288 | 24 | 3 |
| **1** | **Case** | **Male** | **17q12** | **31,889,664** | **33,323,543** | **1,433,880** | **rs8067765** | **rs306801** | **268** | **1** |
| **3** | **All cases** | **Male.Female** | **17q25.1** | **69,345,596** | **70,164,827** | **819,231** | **rs1585804** | **rs8081794** | **..** | **3** |
| **1** | **Case** | **Male** | **17q25.1** | **70,869,854** | **71,746,800** | **876,947** | **rs9899687** | **rs9903178** | **123** | **3** |

**CNVs 50 – 100 kb**

| # Ids | Status | Gender | Chr | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Case.Control | Male.Female | 17 | 3,451,964 | 3,502,173 | 50,210 | rs222738 | rs4790530 | 18 | 1 |
| 1 | Control | Male | 17 | 4,257,388 | 4,324,728 | 67,341 | rs7207359 | rs4790198 | 29 | 3 |
| 1 | Control | Female | 17 | 9,242,675 | 9,298,196 | 55,522 | rs2314640 | rs12946817 | 21 | 1 |
| 1 | Control | Female | 17 | 30,708,148 | 30,787,791 | 79,644 | rs7211677 | rs2376263 | 19 | 1 |
| 2 | Case.Control | Male.Female | 17 | 30,708,148 | 30,792,312 | 84,165 | rs7211677 | rs1822403 | 20 | 1 |
| 1 | Control | Female | 17 | 33,243,095 | 33,297,438 | 54,344 | rs4794762 | rs10512474 | 19 | 1 |
| 1 | Case | Male | 17 | 33,243,095 | 33,323,543 | 80,449 | rs4794762 | rs306801 | 22 | 3 |
| 1 | Case | Male | 17 | 45,332,410 | 45,389,028 | 56,619 | rs271672 | rs6504627 | 15 | 3 |
| 1 | Case | Male | 17 | 53,939,204 | 54,029,904 | 90,701 | rs2302189 | rs7209650 | 12 | 3 |
| 1 | Case | Female | 17 | 76,490,264 | 76,570,569 | 80,306 | rs2280146 | rs7219486 | 29 | 3 |
| 1 | Case | Male | 17 | 76,493,532 | 76,559,732 | 66,201 | rs9898178 | rs7502124 | 25 | 3 |
| 1 | Case | Male | 17 | 76,493,532 | 76,570,569 | 77,038 | rs9898178 | rs7219486 | 28 | 3 |

**Chromosome 18**

| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 18p11.32 | 2,611,407 | 2,712,914 | 101,508 | rs7239383 | rs12608077 | 21 | 3 |
| 1 | Case | Male | 18p11.31 | 3,104,980 | 3,309,915 | 204,936 | rs8091028 | rs1662813 | 52 | 3 |
| 1 | Case | Male | 18p11.31 | 6,296,121 | 6,616,549 | 320,429 | rs1946753 | rs1941508 | 94 | 3 |
| 1 | Control | Female | 18p11.22 | 9,533,988 | 9,662,334 | 128,347 | rs328994 | rs650464 | 31 | 1 |
| 1 | Control | Male | 18q12.2 | 35,200,784 | 35,304,682 | 103,899 | rs2066945 | rs1681045 | 16 | 1 |
| 2 | All controls | All female | 18q22.1 | 62,964,964 | 63,596,654 | 631,690 | rs7228283 | rs8083791 | .. | 3.1 |
| 1 | Control | Female | 18q22.1 | 64,795,910 | 64,897,188 | 101,279 | rs593385 | rs11875083 | 43 | 1 |

**CNVs 50 – 100 kb**

| # Ids | Status | Gender | Chr | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | All cases | All female | 18 | 27,223,042 | 27,305,675 | 82,634 | rs9946169 | rs8091481 | 18 | 3 |
| 1 | Case | Male | 18 | 37,655,531 | 37,745,871 | 90,341 | rs7240984 | rs9948753 | 24 | 1 |
| 1 | Case | Female | 18 | 68,477,784 | 68,538,432 | 60,649 | rs7244045 | rs10871704 | 21 | 3 |
| 1 | Control | Male | 18 | 70,233,924 | 70,294,366 | 60,443 | rs10445535 | rs9319907 | 25 | 3 |

**Chromosome 19**

| *# Ids* | *Status* | *Gender* | *Band position* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Case.Control | Male.Female | 19p13.3-13.2 | 6,846,866 | 7,056,136 | 209,271 | rs330876 | rs2967657 | 54 | 3 |
| 1 | Control | Male | 19p13.2 | 11,565,605 | 11,991,477 | 425,873 | rs12972855 | rs157185 | 54 | 1 |
| 1 | Case | Male | 19p12 | 20,523,385 | 20,523,385 | 137,445 | rs918442 | rs10413625 | 14 | 1 |
| 4 | Case.Control | Male.Female | 19p12 | 20,625,937 | 20,844,764 | 218,827 | rs274815 | rs1465430 | .. | 3.1 |
| 1 | Case | Female | 19q13.12 | 42,023,454 | 42,429,690 | 406,237 | rs1144539 | rs320881 | 42 | 1 |
| 5 | Case.Control | Male.Female | 19q13.31 | 48,231,029 | 48,387,680 | 156,652 | rs10418982 | rs4803586 | 16 | 3.1 |
| 3 | Case.Control | All male | 19q13.33 | 56,979,264 | 57,310,877 | 331,614 | rs7260516 | rs3764537 | 80 | 3 |
| 1 | Case | Female | 19q13.42 | 59,423,491 | 59,536,249 | 112,759 | rs17207328 | rs1205322 | 32 | 3 |
| 1 | Case | Male | 19q13.43 | 63,118,421 | 63,270,390 | 151,970 | rs12981037 | rs2229375 | 27 | 3 |

**CNVs 50 – 100 kb**

| *# Ids* | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 19 | 608,666 | 681,297 | 72,632 | rs3787004 | rs1009690 | 14 | 1 |
| 1 | Case | Male | 19 | 12,047,761 | 12,102,245 | 54,485 | rs7259845 | rs1980136 | 10 | 1 |
| 1 | Case | Female | 19 | 34,864,124 | 34,958,442 | 94,319 | rs8099974 | rs11672342 | 23 | 3 |
| 1 | Control | Male | 19 | 38,023,753 | 38,087,253 | 63,501 | rs929816 | rs4805015 | 19 | 1 |
| 1 | Case | Female | 19 | 46,822,616 | 46,921,016 | 98,401 | rs929502 | rs12985771 | 19 | 1 |
| 1 | Control | Male | 19 | 48,321,413 | 48,387,680 | 66,268 | rs2354285 | rs4803586 | 12 | 3 |
| 2 | Case.Control | All males | 19 | 53,731,699 | 53,808,916 | 77,218 | rs16982133 | rs433852 | 25 | 3 |
| 1 | Control | Male | 19 | 58,028,179 | 58,128,149 | 99,971 | rs10401828 | rs11673295 | 19 | 3 |
| 2 | Case.Control | All males | 19 | 58,567,920 | 58,640,198 | 72,279 | rs12978545 | rs11670677 | 23 | 1 |
| 4 | All cases | Male.Female | 19 | 58,624,107 | 58,697,120 | 73,014 | rs12977919 | rs10410999 | 24 | 1 |
| 3 | Case.Control | All males | 19 | 58,624,107 | 58,703,196 | 79,090 | rs12977919 | rs4801988 | 26 | 3 |
| 3 | Case.Control | Male.Female | 19 | 58,624,107 | 58,704,092 | 79,986 | rs12977919 | rs7258566 | 27 | 3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Case.Control | Male.Female | 19 | 58,624,107 | 58,705,990 | 81,884 | rs12977919 | rs37404 | 28 | 3.1 |
| 1 | Case | Male | 19 | 59,440,823 | 59,539,399 | 98,577 | rs422948 | rs17836364 | 29 | 1 |

**Chromosome 20**

| *# Ids* | *Status* | *Gender* | *Band position* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 20p13 | 1,674,256 | 1,796,203 | 121,948 | rs635029 | rs11698167 | 28 | 3 |
| 2 | Case.Control | All male | 20p12.3 | 7,985,480 | 8,523,671 | 538,191 | rs1024167 | rs6039206 | .. | 3 |
| 3 | Case.Control | Male.Female | 20p12.2 | 9,685,413 | 9,833,653 | 148,241 | rs6118717 | rs914596 | 49 | 3 |
| 1 | Case | Male | 20p12.1 | 14,348,165 | 14,496,676 | 148,512 | rs6105269 | rs6110333 | 41 | 1 |
| 5 | All controls | Male.Female | 20p12.1 | 14,636,519 | 15,052,193 | 415,674 | rs17775664 | rs1322112 | .. | 1 |
| 1 | Control | Female | 20p11.21 | 23,372,638 | 23,517,400 | 144,763 | rs3746737 | rs4346460 | 33 | 1 |
| 1 | Affected | Male | 20p11.21 | 25,125,805 | 25,413,589 | 287,785 | rs2268879 | rs2281212 | 31 | 3 |
| 1 | Control | Male | 20q11.22 | 32,201,996 | 32,388,628 | 186,633 | rs1015363 | rs1205339 | 19 | 3 |

**CNVs 50 – 100 kb**

| *# Ids* | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Female | 20 | 212,997 | 295,908 | 82,912 | rs6082056 | rs6084217 | 22 | 1 |
| 1 | Case | Male | 20 | 14,679,595 | 14,771,472 | 91,878 | rs204091 | rs407097 | 46 | 1 |
| 1 | Case | Male | 20 | 14,695,471 | 14,788,502 | 93,032 | rs4141463 | rs6079584 | 42 | 1 |
| 2 | All cases | All males | 20 | 15,000,514 | 15,091,806 | 91,293 | rs1407327 | rs4813172 | 47 | 1 |
| 1 | Control | Male | 20 | 31,216,437 | 31,289,688 | 73,252 | rs17124254 | rs6059183 | 13 | 1 |
| 1 | Control | Male | 20 | 31,224,759 | 31,289,688 | 64,930 | rs10485501 | rs6059183 | 12 | 1 |
| 1 | Case | Male | 20 | 31,859,046 | 31,948,090 | 89,045 | rs2064505 | rs2092477 | 21 | 3 |
| 1 | Case | Male | 20 | 40,615,725 | 40,676,650 | 60,926 | rs6016824 | rs2867488 | 27 | 1 |
| 1 | Case | Male | 20 | 40,617,751 | 40,676,650 | 58,900 | rs6016827 | rs2867488 | 25 | 1 |

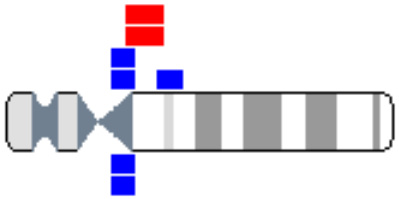
**Chromosome 21**

| *# Ids* | *Status* | *Gender* | *Band position* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Control | Female | 21q11.2 | 14,474,864 | 14,652,008 | 177,145 | rs17305801 | rs2822624 | 83 | 3 |
| 1 | Control | Male | 21q21.1 | 17,742,119 | 17,880,187 | 138,069 | rs2824306 | rs2824376 | 40 | 3 |
| 2 | All cases | Male.Female | 21q22.1-22.12 | 34,647,599 | 34,829,283 | 181,685 | rs11702479 | rs2834506 | 50 | 3 |
| 3 | Case.Control | Male.Female | 21q22.12 | 36,412,525 | 36,528,540 | 116,016 | rs2409758 | rs7280062 | 29 | 3 |
| 1 | Case | Male | 21q22.2 | 40,373,134 | 40,500,483 | 127,350 | rs2254583 | rs13049234 | 56 | 1 |
| **1** | **Control** | **Female** | **21q22.3** | **45,915,789** | **46,490,760** | **574,972** | **rs2838973** | **rs2839169** | **135** | **3** |
| 1 | Case | Male | 21q22.3 | 46,391,256 | 46,601,156 | 209,901 | rs7282864 | rs11700399 | 46 | 1 |

**CNVs 50 – 100 kb**

| *# Ids* | *Status* | *Gender* | *Chr* | *Bp Start* | *Bp End* | *Bp Length* | *Rs Start* | *Rs End* | *# Del SNPs* | *Type* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 21 | 41,794,621 | 41,863,213 | 68,593 | rs2187238 | rs12483160 | 20 | 1 |
| 1 | Case | Male | 21 | 46,761,215 | 46,823,682 | 62,468 | rs6518299 | rs2096509 | 30 | 3 |

**Chromosome 22**



| # Ids | Status | Gender | Band position | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 | Case.Control | Male.Female | 22q11.1 | 15,298,335 | 15,674,251 | 375,917 | rs2027653 | rs7291429 | 39 | 3.1 |
| **4** | **Case.Control** | **Male.Female** | **22q11.1** | **15,298,335** | **15,842,185** | **543,851** | **rs2027653** | **rs4819932** | **89** | **3** |
| 1 | Case | Male | 22q11.1 | 16,006,665 | 16,214,898 | 208,234 | rs3788268 | rs9606695 | 59 | 3 |
| 29 | Case.Control | Male.Female | 22q11.21 | 17,257,787 | 17,413,532 | 155,746 | rs2543958 | rs5992354 | 32 | 3.1 |
| **2** | **All cases** | **All male** | **22q11.21** | **17,257,787** | **19,792,353** | **2,534,567** | **rs2543958** | **rs140392** | **512** | **1** |
| 1 | Control | Female | 22q11.21 | 19,420,148 | 19,792,353 | 372,206 | rs11705170 | rs140392 | 102 | 3 |
| 11 | Case.Control | Male.Female | 22q11.22 | 20,645,312 | 20,903,637 | 258,326 | rs2283797 | rs12159423 | 170 | 3.1 |
| **1** | **Case** | **Female** | **22q11.22-11.23** | **21,328,337** | **21,995,356** | **667,020** | **rs6003181** | **rs6003620** | **127** | **3** |
| 1 | Control | Male | 22q11.23 | 22,488,315 | 22,668,071 | 179,757 | rs738800 | rs6004011 | 52 | 3 |
| 95 | Case.Control | Male.Female | 22q11.23 | 23,966,680 | 24,240,667 | 273,988 | rs4822591 | rs79091 | 55 | 1.3 |
| 2 | Case.Control | All male | 22q13.31 | 45,502,280 | 45,682,591 | 180,312 | rs9626899 | rs5769232 | 55 | 3 |

**CNVs 50 – 100 kb**

| # Ids | Status | Gender | Chr | Bp Start | Bp End | Bp Length | Rs Start | Rs End | # Del SNPs | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Case | Male | 22 | 17,257,787 | 17,347,371 | 89,585 | rs2543958 | rs5747950 | 19 | 3 |
| 2 | Case.Control | All females | 22 | 17,257,787 | 17,355,587 | 97,801 | rs2543958 | rs2518805 | 21 | 3 |
| 1 | Control | Male | 22 | 17,281,004 | 17,362,097 | 81,094 | rs450046 | rs2913 | 21 | 3 |
| 1 | Control | Female | 22 | 17,426,677 | 17,514,083 | 87,407 | rs2238735 | rs4819778 | 22 | 3 |
| 1 | Control | Female | 22 | 24,083,777 | 24,178,811 | 95,035 | rs5996921 | rs6004652 | 18 | 3 |
| 1 | Control | Female | 22 | 31,340,757 | 31,427,662 | 86,906 | rs2858226 | rs5998590 | 43 | 3 |
| 1 | Control | Female | 22 | 32,191,950 | 32,259,352 | 67,403 | rs9621704 | rs2267226 | 22 | 3 |
| 1 | Case | Male | 22 | 37,857,855 | 37,935,695 | 77,841 | rs139383 | rs2050143 | 22 | 1 |

## Table S3. Copy Number Variations in Schizophrenia from Literature

**Notes:**

1) Abbreviations:
   Type of mutation: + Gain, - Loss, = Balanced; MR = Mental Retardation, SZ = Schizophrenia, BP = Bipolar Disorder, SA = Schizoaffective Disorder, COS = Childhood-onset Schizophrenia, MPA = Minor Physical Anomalies.

2) Duplications are depicted in blue; Deletions are red.

3) Often, multiple CNVs are described in the same paper. The case entries can be tracked down in the chromosome ideogram. When mentioned for the second or more time, papers are gray in the table, to avoid double calculation of cases. Because often multiple cases are described in one CNV study, no differentiation is made in thickness of bars for CNV studies.

4) Phenotype rating is based upon the following criteria:

| Quality of phenotype | Criteria |
|---|---|
| **** | Validated checklist and diagnosis according to DSM or ICD classification |
| *** | Clinical description suggestive for schizophrenia and diagnosis according to DSM or ICD classification |
| ** | Diagnosis according to DSM or ICD classification only, OR clinical description suggestive for schizophrenia and diagnosis without classification |
| * | Clinical description suggestive for schizophrenia, but no formal diagnosis, OR diagnosis without clinical description or classification |

5) In each case, the optimal identification of the molecular boundaries of the cytogenetic abnormalities is presented using a megabase (Mb) scale. When available, positions of molecular markers or DNA-probes were used. In cases where only a karyotype was available, the relevant chromosome bands were used to obtain the approximate molecular boundaries.

6) When in a paper CNVs were split out for presence in cases or controls, only the CNVs specific for schizophrenia cases were included in the table. Additionally, when CNVs were split out for presence in different diagnoses, only the CNVs specific for schizophrenia were included in the table.

**Methods:**

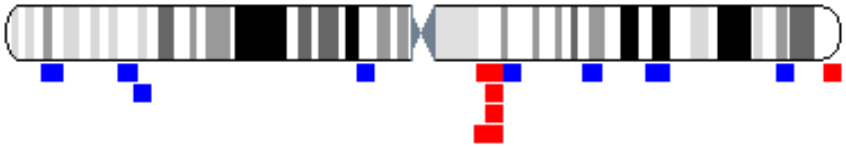
We searched the NLM MEDLINE and PubMed databases with different combinations of the following search terms: “schizophren*”, “genetic*”, “cytogenetic*”, “copy number”, “CNV”, and “chromosom*”. We included articles up to January 2010. Because several CNV studies used different diagnoses (e.g. schizophrenia and schizoaffective disorder), we focused only on the schizophrenia cases when possible. When the paper discriminated between CNVs found in cases and controls, we only included CNVs for cases. We only included CNVs described within the papers or their supplementary information. We did not contact any authors for additional information. The quality of the phenotype and boundaries of CNV regions were investigated and we included all the CNV regions found in schizophrenia cases.

The ISC study (5) provides their full set of 6,753 QC passing CNVs online: http://pngu.mgh.harvard.edu/isc/
As it was not possible to include all CNVs in our table or figure, we compared all CNVs > 1 Mb from their study to the ones we found. In total, the ISC reports 262 CNV deletions > 1Mb in cases. We found 11 CNV deletions > 1 Mb in cases. Of these 11 CNVs, 7 overlap with a CNV deletion from the ISC study. For details on CNV boundaries, see the table below.

| Study | Chromosome | Bp Start position | Bp End position | Length |
|---|---|---|---|---|
| Dutch CNV study | 3 | 491,255 | 1,635,507 | 1,144,253 |
| ISC | 3 | 285,763 | 1,636,121 | 1,350,358 |
| Dutch CNV study | 3 | 197,219,312 | 198,828,573 | 1,609,262 |
| ISC | 3 | 197,232,320 | 198,829,110 | 1,596,790 |
| Dutch CNV study | 15 | 28,723,577 | 30,302,218 | 1,578,642 |
| Dutch CNV study | 15 | 28,723,577 | 30,302,218 | 1,578,642 |
| Dutch CNV study | 15 | 28,723,577 | 30,302,218 | 1,578,642 |
| ISC | 15 | 28,723,577 | 30,571,467 | 1,847,890 |
| | 15 | 28,723,577 | 30,537,239 | 1,813,662 |
| ISC | 15 | 28,723,577 | 30,491,746 | 1,768,469 |
| Dutch CNV study | 17 | 31,889,664 | 33,323,543 | 1,433,880 |
| ISC | 17 | 31,890,369 | 33,552,902 | 1,662,533 |
| Dutch CNV study | 22 | 17,257,787 | 19,792,353 | 2,534,567 |
| ISC | 22 | 17,250,982 | 19,790,390 | 2,539,408 |

*CNV deletions > 1 Mb found in schizophrenia cases, showing overlap between our CNV study and the ISC report.*

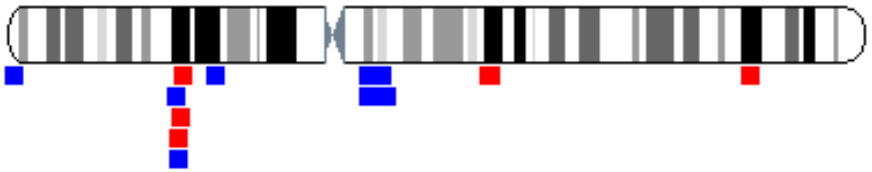
**Chromosome 1**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 1p36.13 | Duplication found in sample of 447 SZ and 24 SA patients. | 17,12 Mb – 18,19 Mb (Exact boundaries from article) | 1,068,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 1p34.3 | Duplication in a post-mortem study of 105 SZ, BP and controls. Exclusion IQ < 70. | 34,53 Mb – 40,07 Mb (Approximate. Includes BAC clone RP11-207P5) | 5,537,563 | ** | 35 SZ cases | Wilson *et al.* 2006(2) |
| 1p34.2 | Duplication found in male SZ patient. | 40,06 Mb – 40,68 Mb (Exact boundaries from article) | 614,100 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |
| 1p13.3 | Duplication found in SZ female. No learning disabilities. | 110,03 Mb – 110,04 Mb (Exact boundaries from article) | 5,925 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |
| 1q21.1 | Deletions in ten SZ cases and one control (3,391 SZ patients satisfying DSM-IV or IDC-10 compared to 3,181 matched controls). | 142,50 Mb – 145,50 Mb (Exact boundaries from article) | 3,000,000 | **** | 3,391 SZ cases and 3,181 controls | International Schizophrenia Consortium 2008(5) |
| 1q21.1 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 144,94 Mb – 146,29 Mb (Exact boundaries from article) | 1,349,136 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 1q21.1 | Deletion significantly associated with SZ (4,718 genotyped cases: 4,571 SZ, 39 unspecified functional psychosis, 86 SA, 10 schizophreniform, 12 persistent delusional disorders). | 144,94 Mb – 146,29 Mb (Exact boundaries from article) | 1,349,136 | **** | 4,718 SZ cases and 41,201 controls | Stefansson *et al.* 2008(7) |
| 1q21.1 | Deletion found in sample of 1,013 SZ cases. | 144,11 Mb – 146,29 Mb (Exact boundaries from article) | 2,186,971 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1q21.3 | Duplication found in male SZ patient. | 150,14 Mb – 150,25 Mb (Exact boundaries from article) | 110,538 | **** | 1 | Xu *et al.* 2009(9) |
| 1q25.2 | Duplication found in female SZ patient. | 176,05 Mb – 176,20 Mb (Exact boundaries from article) | 151,152 | **** | 1 | Xu *et al.* 2009(9) |
| 1q31.1 | Duplication found in sample of 1,013 SZ cases. | 185,09 Mb – 187,70 Mb (Exact boundaries from article) | 2,613,899 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 1q42.2 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 232,46 Mb – 232,67 Mb (Exact boundaries from article) | 209,095 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 1q44 | Deletion found in male SZ patient. | 246,40 Mb – 246,70 Mb (Exact boundaries from article) | 297,204 | **** | 1 | Xu *et al.* 2009(9) |

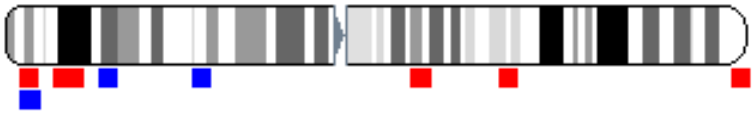
**Chromosome 2**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 2p25.3 | 3 Duplications found in three male SZ patients. Mild MR present in one male with the duplication. | 0,83 Mb – 1,84 Mb (Exact boundaries from article) | 1,014,000 | **** | 3 | Vrijenhoek *et al.* 2008(10) |
| 2p16.3 | Deletion found in sample of 93 SZ patients. No MR. | 51,10 Mb – 51,35 Mb (Exact boundaries from article) | 250,000 | **** | 93 SZ cases | Kirov *et al.* 2008(11) |
| 2p16.3 | Duplication found in SZ cases (first sample SZ and SA, second sample COS) | 48,65 Mb – 49,32 Mb (Exact boundaries from article) | 670,929 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 2p16.3 | Deletion found in two SZ male. IQ = 94 for one and not assessed for the other. No clinical features. | 47,60 Mb – 52,70 Mb (approximate) | 107 kb and <532 kb (exact from article) | **** | 2 | Guilmatre *et al.* 2009(12) |
| 2p16.3 | 4 Deletions found in 2 male and 2 female SZ patients. 2 Duplications found in one male SZ patient and one female control. MR present in one male with the deletion. | 50,89 Mb – 51,28 Mb (Exact boundaries from article) | 389,000 | **** | 5 (plus one intronic control) | Vrijenhoek *et al.* 2008(10) |
| 2p15 | Duplication found in male SZ patient. | 61,10 Mb – 61,29 Mb (Exact boundaries from article) | 190,832 | **** | 1 | Xu *et al.* 2009(9) |
| 2q12.2-q12.3 | Duplication found in sample of 447 SZ and 24 SA patients. | 106,28 Mb – 107,79 Mb (Exact boundaries from article) | 1,517,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 2q12.2-q13 | Duplication found in sample of 1,013 SZ cases. | 106,28 Mb – 109,17 Mb (Exact boundaries from article) | 2,983,492 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |

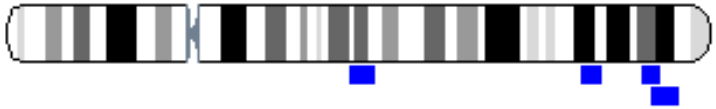
| | | | | | | |
|---|---|---|---|---|---|---|
| 2q22.1 | Deletion found in sample of 447 SZ and 24 SA patients. | 139,15 Mb – 140,20 Mb (Exact boundaries from article) | 1,048,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 2q34 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 211,79 Mb – 212,19 Mb (Exact boundaries from article) | 399,157 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

**Chromosome 3**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 3p26.1 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 7,18 Mb – 7,31 Mb (Exact boundaries from article) | 136,520 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 3p26.1 | Duplication found in male SZ patient. | 8,13 Mb – 8,19 Mb (Exact boundaries from article) | 67,200 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |
| 3p24.3 | Deletion found in sample of 447 SZ and 24 SA patients. | 17,18 Mb – 20,59 Mb (Exact boundaries from article) | 3,407,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 3p24.1 | Duplication found in female SZ patient. | 28,28 Mb – 28,44 Mb (Exact boundaries from article) | 164,300 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |
| 3p21.1 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 53,06 Mb – 53,19 Mb (Exact boundaries from article) | 135,181 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 3q13.2 | Deletion found in one male SZ patient. | 113,51 Mb – 113,78 Mb (Exact boundaries from article) | 268,694 | **** | 1 | Xu *et al.* 2009(9) |
| 3q22.2 | Deletion found in male SZ patient. | 135,77 Mb – 137,79 Mb (Exact boundaries from article) | 2,022,600 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |
| 3q29 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 197,22 Mb – 198,57 Mb (Exact boundaries from article) | 1,348,553 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

**Chromosome 4**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 4q22.3-q23 | Duplication found in sample of 1,013 SZ cases. | 96,87 Mb – 99,17 Mb (Exact boundaries from article) | 2,301,363 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 4q32.1 | Duplication found in one female SZ patient. | 160,10 Mb – 160,82 Mb (Exact boundaries from article) | 716,428 | **** | 1 | Xu *et al.* 2009(9) |
| 4q34.1 | Duplication found in male SZ patient. | 175,11 Mb – 175,16 Mb (Exact boundaries from article) | 43,300 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |
| 4q34.3 | Duplication found in sample of 1,013 SZ cases. | 179,89 Mb – 182,80 Mb (Exact boundaries from article) | 2,426,029 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |

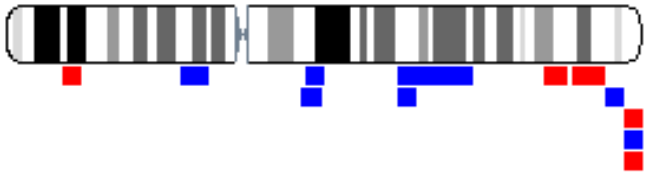
**Chromosome 5**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 5p15.33 | Deletion found in sample of 447 SZ and 24 SA patients. | 0,17 Mb – 1,20 Mb (Exact boundaries from article) | 1,031,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 5p15.2 | Duplication found in one female SZ patient. No MR present. | 10,21 Mb – 11,23 Mb (Exact boundaries from article) | 1,019,000 | **** | 1 | Vrijenhoek *et al.* 2008(10) |
| 5p13.2 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 36,19 Mb – 36,69 Mb (Exact boundaries from article) | 502,683 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 5p13.2-p13.1 | Duplication found in sample of 1,013 SZ cases. | 37,62 Mb – 39,73 Mb (Exact boundaries from article) | 2,108,551 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 5q21.3 | Duplication in a post-mortem study of 105 SZ, BP and controls. Exclusion IQ < 70. | 106,73 Mb – 109,73 Mb (BAC clone RP11-252I13) | 3,006,598 | ** | 35 SZ cases | Wilson *et al.* 2006(2) |
| 5q31.1 | Deletion found in male SZ patient. | 130,86 Mb – 130,98 Mb (Exact boundaries from article) | 114,300 | **** | 14 SZ cases with each a *de novo* mutation | Xu *et al.* 2008(3) |

**Chromosome 6**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 6p22.3 | Duplication found in female SZ patient. | 17,58 Mb – 17,94 Mb (Exact boundaries from article) | 364,300 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 6p12.3 | Deletion found in sample of 447 SZ and 24 SA patients. | 48,11 Mb – 49,30 Mb (Exact boundaries from article) | 1,188,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |

**Chromosome 7**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 7p21.1 | Deletion found in one male SZ patient. | 16,13 Mb – 16,37 Mb (Exact boundaries from article) | 238,474 | **** | 1 | Xu *et al.* 2009(9) |
| 7p12.3 | Duplication found in sample of 447 SZ and 24 SA patients. | 47,26 Mb – 49,04 Mb (Exact boundaries from article) | 1,783,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 7q11.23-q21.11 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 77,36 Mb – 77,86 Mb (Exact boundaries from article) | 498,447 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 7q11.23 | Duplication found in one male SZ patient. | 75,99 Mb – 76,60 Mb (Exact boundaries from article) | 618,247 | **** | 1 | Xu *et al.* 2009(9) |
| 7q22.1-q31.2 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 100,30 Mb – 115,97 Mb (Exact boundaries from article) | 15,668,290 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 7q22.1 | Duplication found in SZ male. No learning disabilities. | 101,82 Mb – 101,85 Mb (Exact boundaries from article) | 30,325 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |
| 7q34 | Deletion found in sample of 447 SZ and 24 SA patients. | 137,85 Mb – 139,32Mb (Exact boundaries from article) | 1,472,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 7q35-q36.1[3] | Deletion found in three unrelated SZ cases. 2 cases with MR and 1 without. | 143,04 Mb – 147,85 Mb (Exact boundaries from article) | 4,814,084 | * | 3 | Friedman *et al.* 2008(13) |

[3] This study describes three unrelated SZ patients with the same deletion. Two cases are mentally retarded, one patient has normal IQ. None of the patients has dysmorphic features.

| | | | | | | |
|---|---|---|---|---|---|---|
| 7q36.1 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 151,07 Mb – 151,53 Mb (Exact boundaries from article) | 461,992 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 7q36.3 | Deletion and duplication found in sample of 447 SZ and 24 SA patients. | 157,74 Mb – 158,80 Mb (Exact boundaries from article) | 1,054,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 7q36.3 | Deletion found in one female SZ patient. | 157,41 Mb – 157,50 Mb (Exact boundaries from article) | 89,909 | **** | 1 | Xu *et al.* 2009(9) |

**Chromosome 8**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 8p23 | Duplication found in one SZ male. IQ = 67. Dysmorphisms present. | Pter – 12,70 Mb (approximate) | 110 (exact from article) | **** | 1 | Guilmatre *et al.* 2009(12) |
| 8p23.3 | Duplication found in SZ male. No learning disabilities. | 1,98 Mb – 2,08 Mb (Exact boundaries from article) | 1,002,000 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |
| 8p23.2 | Duplication found in one female SZ patient. | 2,32 Mb – 3,46 Mb (Exact boundaries from article) | 1,135,638 | **** | 1 | Xu *et al.* 2009(9) |
| 8p22 | Deletion found in sample of 1,013 SZ cases. | 15,10 Mb – 18,36 Mb (Exact boundaries from article) | 3,261,207 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 8q24.23 | Duplication found in sample of 447 SZ and 24 SA patients. | 136,87Mb – 138,14 Mb (Exact boundaries from article) | 1,266,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 8q24.3 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 142,03 Mb – 142,39 Mb (Exact boundaries from article) | 368,516 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

**Chromosome 9**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 9p24.3-p24.2 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 2,01 Mb – 3,12 Mb (Exact boundaries from article) | 1,105,058 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 9p24.2 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 3,10 Mb – 3,54 Mb (Exact boundaries from article) | 440,089 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 9p23 | Deletion found in male SZ patient. | 11,62 Mb – 11,88 Mb (Exact boundaries from article) | 259,900 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 9p21.3-p21.2 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 25,33 Mb – 25,85 Mb (Exact boundaries from article) | 526,889 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 9q33.1 | 1 Deletion found in one male SZ patient. 1 Duplication found in one female SZ patient. MR present in the male with the deletion. | 118,41 Mb – 118,51 Mb (Exact boundaries from article) | 98,000 | **** | 2 | Vrijenhoek *et al.* 2008(10) |

**Chromosome 10**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 10p13 | Deletion found in sample of 447 SZ and 24 SA patients. | 12,67 Mb – 14,64 Mb (Exact boundaries from article) | 1,970,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 10q21.1 | Deletion found in male SZ patient. | 57,67 Mb – 57,69 Mb (Exact boundaries from article) | 27,600 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 10q23.1 | Duplication found in one male SZ patient. | 83,70 Mb – 83,78 Mb (Exact boundaries from article) | 73,592 | **** | 1 | Xu *et al.* 2009(9) |

**Chromosome 11**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 11p13 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 33,26 Mb – 33,54 Mb (Exact boundaries from article) | 279,213 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 11q14.1 | Deletion found in SZ cases (first sample SZ and SA, second sample COS). | 83,69 Mb – 83,94 Mb (Exact boundaries from article) | 242,105 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

**Chromosome 12**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 12q24.23 | Duplication found in male SZ patient. | 118,69 Mb – 118,71 Mb<br>(Exact boundaries from article) | 24,800 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |

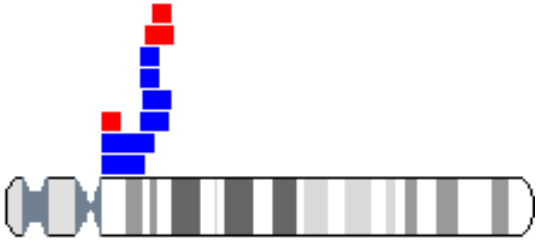
**Chromosome 13**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 13q13.1 | Deletion found in one male SZ patient. | 31,15 Mb – 31,23 Mb (Exact boundaries from article) | 83,507 | **** | 1 | Xu *et al.* 2009(9) |
| 13q31.1 | Duplication found in sample of 1,013 SZ cases. | 79,33 Mb – 81,40 Mb (Exact boundaries from article) | 2,067,794 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |

**Chromosome 14**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 14q21.1 | Deletion found in one female SZ patient. | 40,76 Mb – 40,83 Mb (Exact boundaries from article) | 64,962 | **** | 1 | Xu *et al.* 2009(9) |
| 14q22.2 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 53,49 Mb – 53,77 Mb (Exact boundaries from article) | 282,769 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 14q23.3 | Duplication in a post-mortem study of 105 SZ, BP and controls. Exclusion IQ < 70. | 64,00 Mb – 66,99 Mb (BAC clone CTD-2055A23) | 2,999,773 | ** | 35 SZ cases | Wilson *et al.* 2006(2) |
| 14q31.1 | Duplication found in sample of 447 SZ and 24 SA patients. | 80,66 Mb – 82,41 Mb (Exact boundaries from article) | 1,758,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 14q32.13-q32.2 | Duplication found in male SZ patient. | 93,83 Mb – 96,63 Mb (Exact boundaries from article) | 2,803,600 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 14q32.33 | Duplication found in sample of 447 SZ and 24 SA patients. | 104,81 Mb – 106,32 Mb (Exact boundaries from article) | 1,506,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |

**Chromosome 15**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 15q11.2-q13.1 | Duplication found in sample of 447 SZ and 24 SA patients. | 21,25 Mb – 26,20 Mb (Exact boundaries from article) | 4,950,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 15q11.2-q13.1 | Duplication found in sample of 1,013 SZ cases. | 21,26 Mb – 30,54 Mb (Exact boundaries from article) | 9,041,890 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 15q11.2 | Deletion significantly associated with SZ (4,718 genotyped cases: 4,571 SZ, 39 unspecified functional psychosis, 86 SA, 10 schizophreniform, 12 persistent delusional disorders) | 20,31 Mb – 20,78 Mb (Exact boundaries from article) | 470,000 | **** | 4,718 SZ cases and 41,201 controls | Stefansson *et al.* 2008(7) |
| 15q13.2-q13.3 | Duplication found in sample of 447 SZ and 24 SA patients. | 28,75 Mb – 30,23 Mb (Exact boundaries from article) | 1,483,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 15q13 | Duplication found in one SZ male. IQ = 73. No clinical features. | 25,70 Mb – 31,40 Mb (approximate) | 994 (exact from article) | **** | 1 | Guilmatre *et al.* 2009(12) |
| 15q13.1 | Duplication found in sample of 93 SZ patients. No MR. | 27,00 Mb – 28,40 Mb (Exact boundaries from article) | 1,400,000 | **** | 93 SZ cases | Kirov *et al.* 2008(11) |
| 15q13.1 | Duplication found in SZ male. No learning disabilities. | 27,26 Mb – 27,73 Mb (Exact boundaries from article) | 468,600 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |

| | | | | | | |
|---|---|---|---|---|---|---|
| 15q13.3 | Deletions in nine SZ cases and no controls (3,391 SZ patients satisfying DSM-IV or IDC-10 compared to 3,181 matched controls). | 28,00 Mb – 31,00 Mb (Exact boundaries from article) | 3,000,000 | **** | 3,391 SZ cases and 3,181 controls | International Schizophrenia Consortium 2008(5) |
| 15q13.3 | Deletion significantly associated with SZ (4,718 genotyped cases: 4,571 SZ, 39 unspecified functional psychosis, 86 SA, 10 schizophreniform, 12 persistent delusional disorders). | 28,72 Mb – 30,30 Mb (Exact boundaries from article) | 1,580,000 | **** | 4,718 SZ cases and 41,201 controls | Stefansson *et al.* 2008(7) |

**Chromosome 16**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 16p13.3 | Duplication found in three SZ female. No learning disabilities. | 1,07 Mb – 1,07 Mb (Exact boundaries from article) | 5,000 | **** | 3 | Rodriguez-Santiago *et al.* 2009(4) |
| 16p13.2 | Duplication found in male SZ patient. | 6,89 Mb – 6,92 Mb (Exact boundaries from article) | 30,700 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 16p13.2 | Duplication found in male SZ patient. | 8,12 Mb – 8,41 Mb (Exact boundaries from article) | 297,100 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 16p13.11-p12.3 | Deletion found in sample of 1,013 SZ cases. | 15,39 Mb – 18,07 Mb (Exact boundaries from article) | 2,685,165 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 16p13.1 | Duplications and deletions found in sample of 4,345 SZ cases. | 14,66 Mb – 18,70 Mb (Exact boundaries from article) | 4,040,000 | **** | 13 duplications in SZ cases; 5 deletions in SZ cases | Ingason *et al.* 2009(14) |
| 16p11 | Duplication found in three SZ females. IQ = 56, 75 and not assessed for the third. | 27,60 Mb – 38,20 Mb (approximate) | 500 (exact from article) | **** | 3 | Guilmatre *et al.* 2009(12) |
| 16p11.2 | Duplications found in 4,551 SZ cases. | 29,56 Mb – 30,11 Mb (Exact boundaries from article) | 549,857 | **** | 4,551 SZ cases and 6,391 controls | McCarthy *et al.* 2009(15) |
| 16q23.1 | Duplication found in SZ female. Learning disabilities present. | 76,76 Mb – 77,26 Mb (Exact boundaries from article) | 507,900 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |
| 16q24.2 | Deletion found in one male SZ patient. | 85,84 Mb – 85,90 Mb (Exact boundaries from article) | 55,426 | **** | 1 | Xu *et al.* 2009(9) |

**Chromosome 17**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 17p12 | Deletion found in sample of 447 SZ and 24 SA patients. | 14,05 Mb – 15,36 Mb (Exact boundaries from article) | 1,309,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 17q21 | Duplication found in one SZ male. IQ = 90. No clinical features. | 35,40 Mb – 47,60 Mb (approximate) | 627 (exact from article) | **** | 1 | Guilmatre *et al.* 2009(12) |

**Chromosome 18**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 18p11.31-p11.23 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 7,07 Mb – 7,57 Mb (Exact boundaries from article) | 495,017 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 18q12.1 | Duplication found in sample of 447 SZ and 24 SA patients. | 26,18 Mb – 27,57 Mb (Exact boundaries from article) | 1,384,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |

**Chromosome 19**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 19q13.12 | Deletion found in female SZ patient. | 42,01 Mb – 42,19 Mb (Exact boundaries from article) | 178,500 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 19q13.41-q13.42 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 59,05 Mb – 59,36 Mb (Exact boundaries from article) | 317,744 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

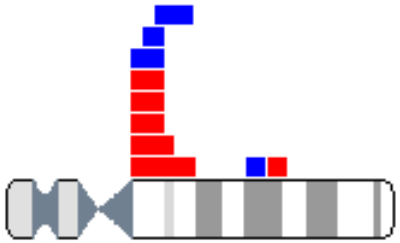
**Chromosome 20**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| **No CNVs for chromosome 20** | | | | | | |

**Chromosome 21**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 21q22.3 | Duplication found in one male SZ patient. | 45,33 Mb – 45,37 Mb (Exact boundaries from article) | 42,633 | **** | 1 | Xu *et al.* 2009(9) |

**Chromosome 22**



| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| 22q11 | Deletion found in one SZ female. No dysmorphisms or IQ known. | 11,80 Mb – 24,30 Mb (approximate) | 350 (exact from article) | **** | 1 | Guilmatre *et al.* 2009(12) |
| 22q11.2 | Deletions in thirteen SZ cases and no controls (3,391 SZ patients satisfying DSM-IV or IDC-10 compared to 3,181 matched controls). | 17,00 Mb – 21,00 Mb (Exact boundaries from article) | 4,000,000 | **** | 3,391 SZ cases and 3,181 controls | International Schizophrenia Consortium 2008(5) |
| 22q11.21 | Deletion found in male SZ patient, female SA, and female SZ patient. | 17,40 Mb – 20,00 Mb<br>17,05 Mb – 18,59 Mb<br>17,39 Mb – 18,83 Mb (Exact boundaries from article) | 2,593,900<br>1,533,800<br>1,444,500 | **** | 14 SZ cases with each *de novo* mutation | Xu *et al.* 2008(3) |
| 22q11.21 | Deletion found in sample of 447 SZ and 24 SA patients. | 17,28 Mb – 19,79 Mb (Exact boundaries from article) | 2,516,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| 22q11.21 | Deletion and duplication found in sample of 1,013 SZ cases. | 17,26 Mb – 19,79 Mb (Exact boundaries from article) | 22,534,567 | **** | 1,013 SZ cases and 1,084 controls | Need *et al.* 2009(8) |
| 22q11.21 | Duplication found in SZ male. Learning disabilities present. | 19,42 Mb – 19,79 Mb (Exact boundaries from article) | 367,500 | **** | 1 | Rodriguez-Santiago *et al.* 2009(4) |

| | | | | | | |
|---|---|---|---|---|---|---|
| 22q11.23 | Duplication found in SZ male and SZ female. Male presents learning disabilities, female does not. | 21,34 Mb – 23,33 Mb (Exact boundaries from article) | 1,900,000 | **** | 2 | Rodriguez-Santiago *et al.* 2009(4) |
| 22q12.3 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 32,05 Mb – 32,72 Mb (Exact boundaries from article) | 666,705 | **** | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |
| 22q12.3 | Deletion in a post-mortem study of 105 SZ, BP and controls. Exclusion IQ < 70. | 35,23 Mb – 35,35 Mb (BAC clone CTD-2055A23) | 113,509 | ** | 35 SZ cases | Wilson *et al.* 2006(2) |

**Chromosome X**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|
| Xp22.33-p21.3 | Deletion found in sample of 447 SZ and 24 SA patients. | 0,32 Mb – 2,73 Mb (Exact boundaries from article) | 2,402,000 | **** | 447 SZ and 24 SA | Kirov *et al.* 2009(1) |
| Xp11.4 | Duplication found in one SZ male. IQ = 105. No clinical features. | 37,50 Mb – 42,30 Mb (approximate) | 56 (exact from article) | **** | 1 | Guilmatre *et al.* 2009(12) |

**Chromosome Y**

| *Band* | *Type of CNV + study population* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| Yq12 | Duplication found in SZ cases (first sample SZ and SA, second sample COS). | 57,57 Mb – 57,72 Mb (Exact boundaries from article) | 152,391 | **** | - | - | 150 SZ cases and 268 controls | Walsh *et al.* 2008(6) |

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## Table S4. Cytogenetic Abnormalities in Schizophrenia from Literature

**Notes:**

1) Abbreviations:
   Type of mutation: + Gain, - Loss, = Balanced; MR = Mental Retardation, MPA = Minor Physical Anomalies, F = Facial, O = Other, SZ = Schizophrenia, BP = Bipolar Disorder, SA = Schizoaffective Disorder, COS = Childhood-onset Schizophrenia, SADS-L = Schedule for Affective Disorders and Schizophrenia—Lifetime Version, PAS-ADD = Psychiatric Assessment Schedules for Adults with Developmental Disabilities

2) Case report studies can be tracked in the chromosome ideogram by identifying bars with the same color. Thicker bars resemble multiple cases described in the same paper.

3) In the case of a translocation, the case entry can be tracked for both chromosome ideograms, identified by the same bar color.

4) In the case of a fine-mapping study, the most recent fine-mapping study can be tracked in the chromosome ideogram. The original study and possible other fine-mapping studies are only mentioned in the table, not in the figure.

5) Phenotype rating is based upon the following criteria:

| Quality of phenotype | Criteria |
|---|---|
| **** | Validated checklist and diagnosis according to DSM or ICD classification |
| *** | Clinical description suggestive for schizophrenia and diagnosis according to DSM or ICD classification |
| ** | Diagnosis according to DSM or ICD classification only, OR clinical description suggestive for schizophrenia and diagnosis without classification |
| * | Clinical description suggestive for schizophrenia, but no formal diagnosis, OR diagnosis without clinical description or classification |

6) In each case, the optimal identification of the molecular boundaries of the cytogenetic abnormalities is presented using a megabase (Mb) scale. When available, positions of molecular markers or DNA-probes were used. In cases where only a karyotype was available, the relevant chromosome bands were used to obtain the approximate molecular boundaries.

**Methods:**

In addition to the PubMed and MEDLINE search, the reference lists of original articles, review articles (1-5), and abstracts from the major genetic conferences from 2000 onwards on this topic were scanned to identify any articles missed by the computerized search. We considered only studies published in an English-language, peer-reviewed, indexed scientific journal. Cases involving fragile sites (e.g. a chromosomal abnormality induced by a substance such as low folate medium), chromosomal mosaicism, or aneuploidy (aberrant number of chromosomes) were excluded. Studies in which schizophrenia cases were entangled with cases with other psychiatric diagnoses were also excluded. Other exclusion criteria were negative findings, no distinct description of the chromosomal aberration, and base-pair boundaries that could not be determined, e.g. because of obsolete nomenclature of the chromosomal aberration. Mental retardation and minor physical anomalies were scored. All the karyotype descriptions are presented according to the International System for Human

Cytogenetic Nomenclature 1995 (ISCN 1995). Identification of the cytogenetic abnormalities by base-pair boundaries was performed using probe or marker information in combination with the UCSC genome browser. If molecular cytogenetic information was lacking, the base-pair boundaries were defined based on the karyotype descriptions. In such cases, the sequence positions of the relevant chromosome bands were used to obtain the approximate molecular boundaries of the cytogenetic abnormality.

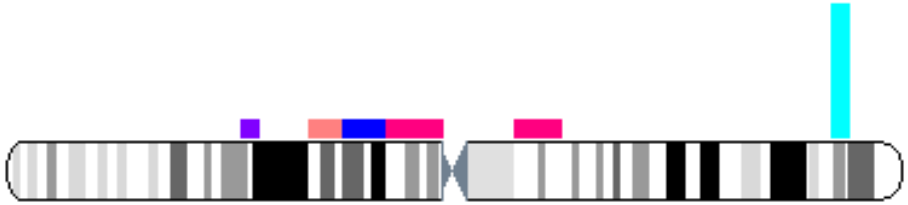
*22q11*

Having a deletion at 22q11 is the highest risk factor known for developing schizophrenia. In light of the evidence for suggestive linkage for schizophrenia on chromosome 22, many studies have been performed and evaluated patients with the 22q11 deletion syndrome for psychiatric symptoms or disorders. A recent review of eight studies provided a prevalence estimation of a total of sixteen cases with 22q11.2 deletion, identified in 2,133 patients with schizophrenia (6). Because of the great number of studies, we included this prevalence study (6), an overview study for the different forms of the 22q11.2 deletion (7), and one fine-mapping study (8) as examples of all the studies performed. Since the 22q11 deletion region was not the main focus of this review (nor other known syndromes co-occurring with schizophrenia symptomatology), we felt we were justified in including recent overview studies in order to summarize the work done on this region.

**Results:**

We compiled and assessed 44 case reports encompassing 64 schizophrenia cases. In this review, 16 out of 64 (25%) cases showed mental retardation, 21 (32.8%) cases had minor physical anomalies, and a total of 24 (37.5%) cases showed one of these abnormal phenotypes.

**Chromosome 1**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 1p31.2 | 46,XY,t(1;16)(p31.2;q21) (=) | 65,95 Mb – 69,97 Mb (approximate) | 4,027,319 | ** | - | - | 1 | Millar *et al.* 2005(9) |
| 1p22[4] | 46,XY,t(1;7)(p22;q21) (=) | 85,18 Mb – 95,15 Mb (approximate) | 9,967,614 | **** | Yes (74) | Yes (F + O) | 1 | Idol *et al.* 2008(10) |
| 1p22[4] | 46,XY,t(1;7)(p22;q22) (=) | 85,18 Mb – 95,15 Mb (approximate) | 9,967,614 | *See Idol et al. 2008 in row 1p22* | | | | Gordon *et al.* 1994(11) |
| 1p21 | 46,XY,t(1;4)(p21;p14) (=) | 95,15 Mb – 107,63 Mb (approximate) | 12,484,688 | ** | Yes | Yes (F) | 1 | Cordeiro *et al.* 2007(12) |
| 1p1[5] | 46,XY,inv(1)(p1;q21) (=) | 107,00 Mb – 124,30 Mb (approximate) | 17,300,000 | * | Yes (V:75 and p:67) | No | 1 | Price *et al.* 1976(13) |
| 1q21[5] | 46,XY,inv(1)(p1;q21) (=) | 142,40 Mb – 153,30 Mb (approximate) | 10,899,999 | *See Price et al. 1976 in row 1p1* | | | | Price *et al.* 1976(13) |

[4] The study of Idol *et al.* is a fine-mapping study of the study of Gordon *et al.* Only the fine-mapping study (Idol) is shown in the figure. See also chromosome 7.

[5] This study describes four male cases with SZ. Two male cases showed 45,XY,t(13q;14q) and 46,XY,17p+, respectively. Because the translocations were not further specified, it was not possible to set breakpoints. Therefore, these cases are not present in the table. The other two cases showed 46,XY,t(7;8)(p12;p23)mar, and 46,XY,inv(1) (p1q21). These cases can be found in the table of the corresponding chromosomes. Case entries can be tracked down in the chromosome ideogram by their own color.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1q42.2[6] | 46,XY or 46,XX,t(1;11)(q42.2; q21) (=) | 228,90 Mb – 234,33 Mb (Breakpoints between D1S103 and D1S8) | 5,423,523 | *See Blackwood et al. 2001 in row 1q42* | | | | Fletcher *et al.* 1993(14) |
| 1q42.2[6] | 46,XY or 46,XX,t(1;11)(q42.2; q21) (=) | 230,02 Mb – 230,02 Mb (Breakpoints between D1S1621 and D78808; 7,3 kb fragment) | 7,300 | *See Blackwood et al. 2001 in row 1q42* | | | | Millar *et al.* 2000(15) |
| 1q43[6] | 46,XY or 46,XX,t(1;11)(q43;q21) (=) | 234,60 Mb – 241,70 Mb (approximate) | 7,099,999 | *See Blackwood et al. 2001 in row 1q42* | | | | St Clair *et al.* 1990(16) |
| 1q42[6, 7] | 46,XY or 46,XX,t(1;11)(q42; q14.3) (=) | 222,10 Mb – 234,60 Mb (approximate) | 212,499,999 | **** | - | - | 7 SZ cases with translocation | Blackwood *et al.* 2001(17) |

[6] The studies of Fletcher *et al.*, Millar *et al.*, and Blackwood *et al.* are follow-up studies of the study of St. Clair *et al.* Only the most recent follow-up study (Blackwood) is shown in the figure. See also chromosome 11.

[7] This study describes 7 SZ cases within one family carrying the translocation. The thicker bar indicates the multiple cases involved. See also chromosome 11.

**Chromosome 2**

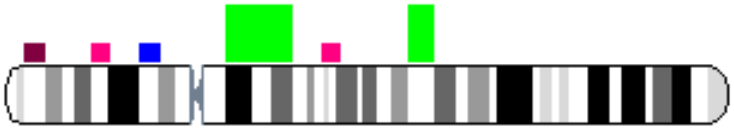
| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 2p11.2[8] | 46, XY and 46, XX, t(2;18) (p11.2;p11.2) (=) | 83,21 Mb – 90,90 Mb (approximate) | 7,691,536 | **** | - | - | 2 | Maziade *et al.* 1993(18) |

[8] In this study, one female case and one male case are described. Both cases have been diagnosed according to the DSM-III. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 18.

**Chromosome 3**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| *No cytogenetic abnormalities for chromosome 3* | | | | | | | | |

**Chromosome 4**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 4p16.1 | 46,XY,t(4;13)(p16.1;q21.31) (=) | 5,90 Mb – 10,99 Mb (approximate) | 5,096,051 | **** | - | - | 1 | Itokawa *et al.* 2004(19) |
| 4p15.2 | 46,XY,inv(4)(p15.2;q21.3) (=) | 22,68 Mb – 27,88 Mb (approximate) | 5,195,975 | *** | No (91) | Yes (F + O) | 1 | Palmour *et al.* 1994(20) |
| 4p14 | 46,XY,t(1;4)(p21;p14) (=) | 35,57 Mb – 41,07 Mb (approximate) | 5,495,742 | *See Cordeiro et al. 2007 in row 1p21* | | | | Cordeiro *et al.* 2007(12) |
| 4q13[9] | 46,XX,Inv (4)(q13;q25) (=) | 59,65 Mb – 76,54 Mb (Approximate. Close markers D4S3004 and D4S2987) | 16,886,918 | **** | - | - | 3 | Mensah *et al.* 2007(21) |
| 4q21.3 | 46,XY,inv(4)(p15.2;q21.3) (=) | 87,23 Mb – 88,33 Mb (approximate) | 1,099,148 | *See Palmour et al. 1994 in row 4p15.2* | | | | Palmour *et al.* 1994(20) |
| 4q25[9] | 46,XX,Inv (4)(q13;q25) (=) | 107,92 Mb – 114,31 Mb (Approximate. Close markers D4S1616 and D4S2989) | 6,395,045 | *See Mensah et al. 2007 in row 4q13* | | | | Mensah *et al.* 2007(21) |

[9] In this study, three female cases are described with the inversion and schizophrenia. All cases have been diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color.

**Chromosome 5**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 5p14 | 46,XX,+5p14 | 18,50 Mb – 29,30 Mb (approximate) | 10,798,804 | **** | Yes (79) | Yes (F + O) | 1 | Malaspina *et al.* 1992(22) |
| 5p12 | 46,XY,del(5)(p11;p12) (-) | 44,78 – 46,44 Mb (Exact boundaries from article) | 1,700,000 | **** | Yes (72) | - | 1 | Mizuguchi *et al.* 2008(23) |
| 5q11.2 – q13.3[10] | 46,XY,der(1)inv ins(1;5)(q32.3;q13.3q11.2) (+) | 50,49 Mb – 76,89 Mb (approximate) | 26,397,080 | *** | No | Yes (F + O) both cases | 2 | Bassett *et al.* 1988(24) |
| 5q22 – q23.2 | 46,XX,del(5)(q22-q23.2) (-) | 117,30 Mb – 128,22 Mb (Approximate. Deletion of markers D5S639, D5S471, D5S622, D5S804, D5S642) | 10,919,673 | *** | Yes (69) | Yes (F + O) | 1 | Bennett *et al.* 1997(25) |
| 5q32-qter | 46,XX iUPD 5q32-qter (=) | 144,48 Mb – 180,84 Mb (Approximate. Markers involved: D5S140, D5S422, D5S400, D5S408) | 36,353,845 | **** | Yes (47) | - | 1 | Seal *et al.* 2006(26) |

[10] In this study, two male cases are described. Both cases are diagnosed according to the ICD-9 and the DSM-III. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color.

**Chromosome 6**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 6pter-p25 | 46,XX,del(6)(p25-pter) (-) | Pter-7,00 MB (6,7 Mb ~D6S1159 – STSG26237) | 6,996,777 | *** | Yes (53) | Yes (F + O) | 1 | Caluseriu *et al.* 2006(27) |
| 6q14.2[11] | 46,XX,t(6;11)(q14.2;q25) (=) | 83,86 Mb – 84,66 MB (approximate) | 799,631 | *See Jeffries et al. 2003 in row 6q14.2* | | | | Holland *et al.* 1990(28) |
| 6q14.2[11] | 46,XX,t(6;11)(q14.2;q25) (=) | 87,02 Mb – 87,16 Mb (Exact boundaries; within AL390125.23) | 140,781 | **** | No | - | 1 | Jeffries *et al.* 2003(29) |

[11] The study of Jeffries *et al.* is a fine-mapping study of the breakpoints of the translocation of Holland *et al.* Only the fine-mapping study (Jeffries) is shown in the figure. See also chromosome 11.

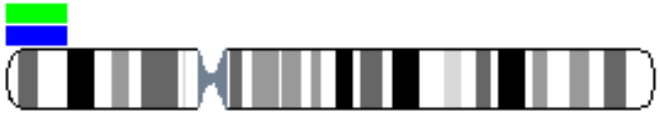
**Chromosome 7**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 7p12[12] | 46,XY,t(7,8)(p12;p23) mar (=) | 46,60 Mb – 53,90 Mb (approximate) | 7,299,999 | * | - | No | 1 | Price *et al.* 1976(13) |
| 7p12.3 | 46,XY,inv(7)(p12.3 ;q21.11) t(7,8)(p12.3;p23) (=) | 46,60 Mb – 49,80 Mb (approximate) | 3,200,000 | ** | - | - | 1 | Knight *et al.* 2009(30) |
| 7q21[13] | 46,XY,t(1;7)(p22;q21) (=) | 77,29 Mb – 97,72 Mb (Approximate. A 16 kb region between BAC RP11-454KO3 and CTB-RG016JO4) | 20,424,856 | *See Idol et al. 2008 in row 1p22* | | | | Idol *et al.* 2008(10) |
| 7q22[13] | 46,XY,t(1;7)(p22;q22) (=) | 97,72 Mb – 107,03 Mb (approximate) | 9,311,331 | *See Idol et al. 2008 in row 1p22* | | | | Gordon *et al.* 1994(11) |
| 7q21[13] | 46,XY,t(1;7)(p22;q22) (=) | 82,63 Mb – 92,44 Mb (Markers D7S630, D7S2410, and D7S646) | 9,807,552 | *See Idol et al. 2008 in row 1p22* | | | | Yan *et al.* 2000(31) |

[12] This study describes four male cases with SZ. Two male cases showed 45,XY,t(13q;14q) and 46,XY,17p+, respectively. Because the translocations were not further specified, it was not possible to set breakpoints. Therefore, these cases are not present in the table. The other two cases showed 46,XY,t(7;8)(p12;p23)mar, and 46,XY,inv(1) (p1q21). These cases can be found in the table of the corresponding chromosomes. Case entries can be tracked down in the chromosome ideogram by their own color.

[13] The studies of Idol *et al.* and Yan *et al.* are fine-mapping studies of the study of Gordon *et al.* Only the most recent fine-mapping study (Idol) is shown in the figure. See also chromosome 1.

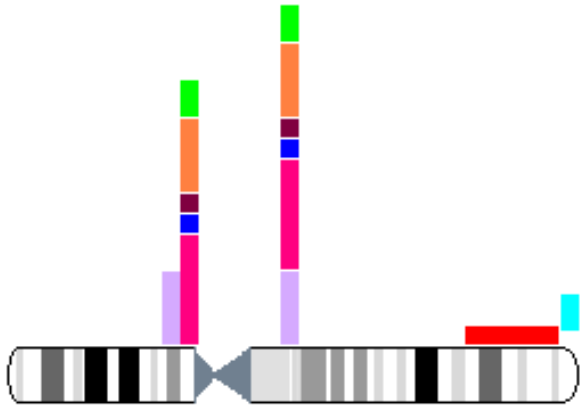
**Chromosome 8**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 8p23[14] | 46,XY,t(7,8)(p12;p23) mar (=) | Pter Mb – 12,70 Mb (approximate) | 12,700,000 | *See Price et al. 1976 in row 7p12* | | | | Price *et al.* 1976(13) |
| 8p23 | 46,XY,inv(7)(p12.3 ;q21.11) t(7,8)(p12.3;p23) (=) | Pter Mb – 12,70 Mb (approximate) | 12,700,000 | *See Knight et al. 2009 in row 7p12.3* | | | | Knight *et al.* 2009(30) |

[14] This study describes four male cases with SZ. Two male cases showed 45,XY,t(13q;14q) and 46,XY,17p+, respectively. Because the translocations were not further specified, it was not possible to set breakpoints. Therefore, these cases are not present in the table. The other two cases showed 46,XY,t(7;8)(p12;p23)mar, and 46,XY,inv(1) (p1q21). These cases can be found in the table of the corresponding chromosomes. Case entries can be tracked down in the chromosome ideogram by their own color.

**Chromosome 9**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 9p12[15] | 46,XY and 46,XX,inv(9)(p12;q13) (=) | 41,95 Mb – 44,79 Mb (approximate) | 2,837,297 | ** | - | - | 4 | Toyota *et al.* 2001(32) |
| 9p11[16] | 46,XY and 46,XX, inv(9)(p11;q13) (=) | 44,79 Mb – 51,27 Mb (approximate) | 6,485,252 | ** | - | - | 6 | Kunugi *et al.* 1999(33) |
| 9p11 | 46,XY,inv(9)(p11;q13) (=) | 44,79 Mb – 51,27 Mb (approximate) | 6,485,252 | *** | No | - | 1 | Lee *et al.* 1998(34) |
| 9p11 | 46,XX,inv(9)(p11;q13) (=) | 44,79 Mb – 51,27 Mb (approximate) | 6,485,252 | **** | No (86) | No | 1 | Miyaoka *et al.* 1999(35) |
| 9p11[17] | 46,XX or 46,XY,inv(9)(p11;q13) (=) | 44,79 Mb – 51,27 Mb (approximate) | 6,485,252 | *** | - | - | 4 | Nanko 1993(36) |

[15] In this study, two female cases and two male cases are described. All cases are diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. Another male patient showed 45,XY,der(14;21)(q10;q10). This case can be found in the tables for the corresponding chromosomes.
[16] In this study, three female cases and three male cases are described. All cases are diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color.
[17] In this study, three female cases and one male case are described. All cases are diagnosed according to the DSM-III. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9p11[18] | 46,XY,inv(9)(p11;q13) (=) | 44,79 Mb – 51,27 Mb (approximate) | 6,485,252 | ** | - | - | 2 | Demirhan *et al.* 2003(37) |
| 9q13[15] | 46,XY and 46,XX,inv(9) (p12;q13) (=) | 68,40 Mb – 69,51 Mb (approximate) | 1,114,652 | *See Toyota et al. 2001 in row 9p12* | | | | Toyota *et al.* 2001(32) |
| 9q13[16] | 46,XY and 46,XX, inv(9)(p11;q13) (=) | 68,40 Mb – 69,51 MB (approximate) | 1,114,652 | *See Kunugi et al. 1999 in row 9p11* | | | | Kunugi *et al.* 1999(33) |
| 9q13 | 46,XY,inv(9)(p11;q13) (=) | 68,40 Mb – 69,51 MB (approximate) | 1,114,652 | *See Lee et al. 1998 in row 9p11* | | | | Lee *et al.* 1998(34) |
| 9q13 | 46,XX,inv(9)(p11;q13) (=) | 68,40 Mb – 69,51 MB (approximate) | 1,114,652 | *See Miyaoka et al. 1999 in row 9p11* | | | | Miyaoka *et al.* 1999(35) |
| 9q13[17] | 46,XX or 46,XY,inv(9) (p11;q13) (=) | 68,40 Mb – 69,51 MB (approximate) | 1,114,652 | *See Nanko 1993 in row 9p11* | | | | Nanko 1993(36) |
| 9q13[18] | 46,XY,inv(9)(p11;q13) (=) | 68,40 Mb – 69,51 Mb (approximate) | 1,114,652 | *See Demirhan et al 2003 in row 9p11* | | | | Demirhan *et al.* 2003(37) |
| 9q32-q34.1 | 46,XY,del(9)(q32;q34.1) (-) | 113,49 Mb – 134,77 MB (approximate) | 21,279,735 | ** | Yes (75) | Yes (F +O) | 1 | Park *et al.* 1991(38) |

[18] In this study, two male cases are described. All cases are diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9q34.2[19] | 46,XX,t(9;14)(q34.2;q13)(=) | 134,77 Mb – 136,49 Mb (Breakpoint within ~250 kb window between BAC RP11-55c4 and RP11-206h24) | 1,722,644 | **** | Learning disability | - | 2 | Pickard *et al.* 2005(39) |
| 9q34[20] | 46,XX,t(9;14)(q34.2;q13)(=) | 130,99 Mb – 131,09 Mb (Markers D9S752 and D9S972) | 100,005 | *See Pickard et al. 2005 in row 9q34.2* | | | | Kamnassaran *et al.* 2003(40) |

[19] In this study, two female cases are described. Both cases are diagnosed according to the DSM-IV, by using the SADS-L and the PAS-ADD respectively. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 14.

[20] The study of Pickard *et al.* is a follow-up study of the study of Kamnasaran *et al.*, using the same cell lines. Only the most recent follow-up study (Pickard) is shown in the figure. See also chromosome 14.

**Chromosome 10**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| *No cytogenetic abnormalities for chromosome 10* | | | | | | | | |

**Chromosome 11**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 11p13 | 46,XX,dup(11)(p13;p13)(+) | 33,30 – 33,30 Mb (Exact boundaries from article) | 430 (?) | **** | - | - | 1 | Mizuguchi *et al.* 2008(23) |
| 11q21[21] | 46,XY or 46,XX,t(1;11)(q43;q21)(=) | 92,10 Mb – 96,40 Mb (approximate) | 4,299,999 | *See Blackwood et al. 2001 in row 1q43* | | | | St Clair *et al.* 1990(16) |
| 11q21[21] | 46,XY or 46,XX,t(1;11)(q42.2; q21) (=) | 88,55 Mb – 93,92 Mb (Breakpoints between TYR and D11S388) | 5,366,087 | *See Blackwood et al. 2001 in row 1q43* | | | | Fletcher *et al.* 1993(14) |
| 11q21[21, 22] | 46,XY or 46,XX,t(1;11)(q42.2; q21) (=) | 84,35 Mb – 89,92 Mb (Breakpoints between D11S1354 and D11S931) | 5,565,697 | *See Blackwood et al. 2001 in row 1q43* | | | | Millar *et al.* 1998(41) |
| 11q14.3[21, 22] | 46,XY or 46,XX,t(1;11)(q42; q14.3) (=) | 87,90 Mb – 92,30 Mb (approximate) | 4,399,999 | *See Blackwood et al. 2001 in row 1q43* | | | | Blackwood *et al.* 2001(17) |

[21] The studies of Fletcher *et al.*, Millar *et al.*, and Blackwood *et al.* are follow-up studies of the study of St. Clair *et al.* Only the most recent follow-up study (Blackwood) is shown in the figure. See also chromosome 1.
[22] This study describes 7 SZ cases within one family carrying the translocation. The thicker bar indicates the multiple cases involved. See also chromosome 1.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 11q23.3[23] | 46,XX,ins(8;11) (q13; q23.3;q24.2) inv(2)(p12; q32.1)t(2;11)(q21.3; q24.2)der(2)(2qter→ 2q32.1::2p12→2q21.3:: 11q24.2 →11qter)der (11) (11pter→11q23.3:: 2q21.3→2q32.1::2p12 →2pter) der(8)(8pter→ 8q13::11q23.3→11q24. 2 ::8q13→8qter) | 120,23 Mb – 120,26 Mb (Spanning bp of three SNPs with most significant association) | 34,314 | **** | Yes | - | 1 | Pickard *et al.* 2006(42) |
| 11q25[24] | 46,XX,t(6;11)(q14.2; q25) (=) | 130,30 Mb – 134,45 Mb (approximate) | 4,152,383 | *See Jeffries et al. 2003 in row 6q14.2* | | | | Holland *et al.* 1990(28) |
| 11q25[24] | See Holland *et al.* | 133,98 Mb – 134,15 Mb (Exact boundaries; within AP001999.4) | 164,713 | *See Jeffries et al. 2003 in row 6q14.2* | | | | Jeffries *et al.* 2003(29) |

[23] This study describes a female patient with a very complex chromosomal rearrangement ins (8;11). Follow-up association study of the genes located at the breakpoints of the rearrangement revealed significant association for *GRIK4*, located at 11q23.3. For 8q13 no significant association was found, therefore, this study is only present in the table for 11q23.3 and not for chromosome 8. The basepair boundaries are derived from three SNPs significantly associated with schizophrenia.

[24] The study of Jeffries *et al.* is a fine-mapping study of the breakpoints of the translocation of Holland *et al.* Only the fine-mapping study (Jeffries) is shown in the figure. See also chromosome 6.

**Chromosome 12**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 12p13.3 | 46,XY,del(12) (p13.3) (-) | Pter – 6,2 Mb (Exact boundaries from article) | 6,200,000 | * | Yes | Yes (F + O) | 1 | Velinov *et al.* 2008(43) |
| 12pter – 12p12.1 | 46,XY,der(13)t(12;13)(p12.1;p11) (+) | 0 – 23,18 Mb (Exact boundaries from article) | 23,100,000 | **** | Yes (72) | - | 1 | Mizuguchi *et al.* 2008(23) |

**Chromosome 13**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 13q21.31 | 46,XY,t(4;13)(p16.1;q21.31) (=) | 61,19 Mb – 64,59 Mb (approximate) | 3,399,552 | *See Itokawa et al. 2004 in row 4p16.1* | | | | Itokawa *et al.* 2004(19) |

**Chromosome 14**

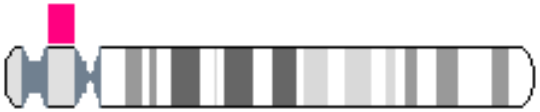
| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 14q10[25] | 45,XY,der(14;21)(q10;q10) (+) | Qter Mb – 15,60 Mb (Centromere) | 15,600,001 | ** | - | - | 1 | Toyota *et al.* 2001(32) |
| 14q13[26,27] | 46,XX,t(9;14)(q34.2;q13) (=) | 32,40 Mb – 36,90 Mb (Breakpoint within ~250 kb window between BAC RP11-55c4 and RP11-206h24) | 4,499,660 | *See Pickard et al. 2005 in row 9q34.2* | | | | Pickard *et al.* 2005(39) |
| 14q13[27] | 46,XX,t(9;14)(q34.2;q13) (=) | 32,85 Mb – 33,53 Mb (Markers D14S730 and D14S70) | 683,130 | *See Pickard et al. 2005 in row 9q34.2* | | | | Kamnassaran *et al.* 2003(40) |

[25] In this study, two female cases and two male cases are described with 46,XY and 46,XX,inv(9)(p12;q13). Another male patient showed 45,XY,der(14;21)(q10;q10). All cases are diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the bar in the corresponding color. The first four cases can be found in the tables for the corresponding chromosomes.

[26] In this study, two female cases are described. Both cases are diagnosed according to the DSM-IV, by using the SADS-L and the PAS-ADD respectively. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 9.

[27] The study of Pickard *et al.* is a follow-up study of the study of Kamnasaran *et al.*, using the same cell lines. Only the most recent follow-up study (Pickard) is shown in the figure. See also chromosome 9.

**Chromosome 15**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 15p11[28] | 46,XY,t(Y;15)(q12;p11)(=) | 7,90 Mb – 17,00 MB (approximate) | 9,099,999 | * | - | Yes (F) (one case) | 2 | Alitalo *et al.* 1988(44) |

[28] In this study, two male cases are described. Both cases are diagnosed with paranoid schizophrenia. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also the Y chromosome.

**Chromosome 16**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 16q21 | 46,XY,t(1;16)(p31.2;q21) (=) | 56,70 Mb – 63,90 Mb (approximate) | 7,199,594 | *See Millar et al. 2005 in row 1q21* | | | | Millar *et al.* 2005(9) |

**Chromosome 17**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 17p12 | 46,XY,del(17)(p12;p12)(-) | 14,06 – 15,37 Mb (Exact boundaries from article) | 1,300,000 | **** | - | - | 1 | Mizuguchi *et al.* 2008(23) |

**Chromosome 18**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 18pter | 46,XY,del(18)(pter) (-) | Pter (Approximate. Cryptic subtelomeric deletion of 18p) | 2,900,000 | ** | Yes | Yes (F + O) | 1 | Babovic-Vuksanovic *et al.* 2004(45) |
| 18p11.3 | 46,XY,inv(18)(p11.3; q21.1) (=) | Pter – 7,20 Mb (approximate) | 7,200,000 | **** | - | - | 1 | Mors *et al.* 1997(46) |
| 18p11.2[29] | 46, XY and 46, XX, t(2;18) (p11.2;p11.2) (=) | 7,20 Mb – 15,40 Mb (approximate) | 8,199,999 | *See Maziade et al. 1993 in row 2p11.2* | | | | Maziade *et al.* 1993(18) |
| 18p11.1[30, 31] | 46,XX or XY,t(18;21)(p11.1; p11.1) (=) and (-) | 15,40 – 16,10 Mb (approximate) | 699,999 | *See Meerabux et al. 2009 in row 18p11.1* | | | | Smith *et al.* 1996(47) |
| 18p11.1[31] | 46,XX or XY,t(18;21)(p11.1;p11.1) (=) and (-) | 14,85 – 15,01 Mb (BAC RP11-527H14) | 157,569 | **** | Yes (only daughter) | Yes (F; only daughter) | 2 | Meerabux *et al.* 2009(48) |
| 18q21.1 | 46,XY,inv(18)(p11.3; q21.1) (=) | 41,80 Mb – 48,50 Mb (approximate) | 6,699,999 | *See Mors et al. 1977 in row 18p11.3* | | | | Mors *et al.* 1997(46) |

[29] In this study, one female case and one male case are described. Both cases have been diagnosed according to the DSM-III. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 2.
[30] This study describes two male cases and two female cases. The oldest son and daughter are diagnosed according to DSM-III-R criteria. The youngest son displayed characteristics, but not sufficient for a formal diagnosis. The mother had a diagnosis of psychosis not otherwise specified. Only the oldest son and daughter with schizophrenia are mentioned in the table. The oldest son has a balanced reciprocal translocation. The daughter inherited only the translocated 18. She is the only one with mild mental retardation and dysmorphic facial features. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 21.
[31] The study of Meerabux *et al.* is a follow-up study of the study of Smith *et al.* Only the most recent follow-up study (Meerabux) is shown in the figure. See also chromosome 21.

**Chromosome 19**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| *No cytogenetic abnormalities for chromosome 19* | | | | | | | | |

**Chromosome 20**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| *No cytogenetic abnormalities for chromosome 20* | | | | | | | | |

**Chromosome 21**

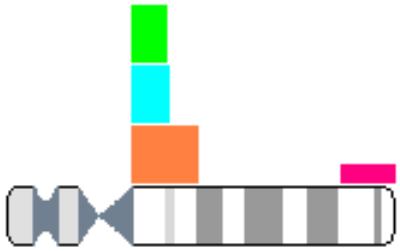
| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 21p11.1[32] | 46,XX or XY,t(18;21)(p11.1; p11.1) (=) and (-) | 10,00 – 12,30 Mb (approximate) | 2,299,999 | *See Meerabux et al. 2009 in row 18p11.1* | | | | Smith *et al.* 1996(47) |
| 21p11.1[33] | 46,XX or XY,t(18;21)(p11.1; p11.1) (=) and (-) | 10,79 – 10,79 Mb (BAC RP11-2503J9) | 161 | *See Meerabux et al. 2009 in row 18p11.1* | | | | Meerabux *et al.* 2009(48) |
| 21q10[34] | 45,XY,der(14;21)(q10; q10) (+) | Qter – 13,20 Mb (Centromere) | 13,200,001 | *See Toyota et al. 2001 in row 14q10* | | | | Toyota *et al.* 2001(32) |
| 21q21.2-q22.1 | 46,XY,del(21)(q21.2;q 22.1) (-) | 15,30 – 38,60 Mb (approximate) | 23,299,999 | **** | Yes (58) | Yes (F + O) | 1 | Murtagh *et al.* 2005(49) |

[32] This study describes two male cases and two female cases. The mother, son and oldest daughter are diagnosed according to DSM-III-R criteria. The youngest daughter displayed characteristics, but not sufficient for a formal diagnosis. The mother, son and youngest daughter have a balanced reciprocal translocation. The oldest daughter inherited only the translocated 18. She is the only one with mild mental retardation and dysmorphic facial features. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 18.

[33] The study of Meerabux *et al.* is a follow-up study of the study of Smith *et al.* Only the most recent follow-up study (Meerabux) is shown in the figure. See also chromosome 18.

[34] In this study, two female cases and two male cases are described with 46,XY and 46,XX,inv(9)(p12;q13). Another male patient showed 45,XY,der(14;21)(q10;q10). All cases are diagnosed according to the DSM-IV. Case entries can be tracked in the chromosome ideogram by identifying the bar in the corresponding color. The first four cases can be found in the tables for the corresponding chromosomes.

**Chromosome 22**



| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| 22q11.2[35] | 16 22q11.2 deletions in 2133 patients (0.75%, 95% CI: 0.5%-1.2%) | 16,31 Mb – 24,32 Mb (approximate) | 8,005,928 | - | - | - | Review and prevalence estimation | Hoogendoorn *et al.* 2008(50) |
| 22q11.2[36] | Fine-mapping of deletion in 22 patients with SZ | 17,16 Mb – 20,14 Mb (Proximal between USP18 & PRODH; distal D22S936 & HIC2) | 3,100,000 | ** | - | - | 22 | Weksberg *et al.* 2007(51) |
| 22q11.2[37] | 87% of the 22q11 deletions in SZ cases | 16,97 Mb – 19,78 Mb (Between markers D22S427 and D22S801) | 32,811,378 | - | - | - | Overview study | Karayiorgou *et al.* 2004(52) |
| 22q13.3-qter | 46,XX,dup(22)(q13.3-qter) (+) | 42,63 Mb – 49,59 Mb (Approximate. Terminal duplication of 5.4 Mb) | 6,436,619 | *** | Yes (73) | Yes (F + O) | 1 | Failla *et al.* 2007(53) |

[35] This study is included as a review and update for the prevalence estimation of the 22q11.2 deletion in schizophrenia patients. It is an illustration for all published 22q11 studies on schizophrenia. The colored bar is thick to illustrate the many cases.
[36] In this study, 22 patients are fine-mapped on the 22q11.2 region, satisfying the DSM-IV criteria for schizophrenia. The colored bar is thick to illustrate the many cases.
[37] This study is included as an overview-study for the different forms of the 22q11.2 deletion in schizophrenia patients. Used is the large deletion region, present in the overwhelming majority (87%) of the schizophrenia cases with this deletion. The colored bar is thick to illustrate the many cases.

**Chromosome X**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| Xp22 | 46,Y,der(X)t(X;Y)(p22; q11)mat (=) | Pter Mb – 24,71 Mb (approximate) | 24,714,276 | * | No (90) | Yes (O) | 1 | Yamada *et al.* 1982(54) |
| Xp22.2-p22.3[38] | 46,XX,del(X)(p22.2;p22.3) (-) | 3,00 Mb – 10,15 Mb (Markers DXS1233 and DXS7108) | 7,153,532 | *** | Learning disabilities | Yes (O) | 1 | Milunsky *et al.* 1999(55) |
| Xp22.2-p22.33 and<br><br>Xp11.23-p22.2[38] | 46,XX,del(X)(p22.2;p22.33) (-) and<br><br>dup(X)(p11.23;p22.2) (+) | 2,63 Mb – 5,42 Mb (Markers AFMB290XG5 and DXS1060)<br>AND 9,30 Mb – 49,50 Mb (approximate) | 2,788,457<br><br>40,199,999 | *** | - | Yes (F + O) | 1 | Milunsky *et al.* 1999(55) |
| Xp22.33 | 46,X,t(XY)(p22.33;p11.2) (=) | 1,48 Mb – 1,72 Mb (Genes ASMTL and ASMT) | 239,942 | ** | Yes (72) | Yes (O) | 1 | Ross *et al.* 2001(56) |
| Xq24 | 46,X, del (Xq24) (-) | 116,30 Mb – 120,60 Mb (approximate) | 4,299,999 | ** | - | Yes (F) | 1 | Kumra *et al.* 1998(57) |

[38] In this study, two cases are described. One case with del(X)(p22.2;p22.3) and another case with dup(X)(p11.23;p22.2) and del(X)(p22.2;p22.33). Both cases met DSM-IV criteria for schizophrenia. Because basepair limits are not the same for both individuals, case entries have different colors in the chromosome ideogram.

**Chromosome Y**

| *Band* | *Karyotype (type of mutation)* | *Cytogenetic band positions* | *Size (bp)* | *Rating Phenotype* | *MR (IQ if mentioned)?* | *MPA (type)?* | *Number of cases* | *Reference* |
|---|---|---|---|---|---|---|---|---|
| Yp11.2 | 46,X,t(XY)(p22.33;p11.2) (=) | 3,30 Mb – 11,20 Mb (approximate) | 7,899,999 | *See Ross et al. 2001 in row Xp22.33* | | | | Ross *et al.* 2001(56) |
| Yq11 | 46,X,dic(Y)(q11) (+) | 11,51 Mb – 27,13 MB (Approximate. Breakpoint q11, resulting in 2 copies short arm and proximal long arm) | 15,619,266 | *** | Yes (60) | Yes (O) | 1 | Nanko *et al.* 1993(58) |
| Yq11 | 46,Y,der(X)t(X;Y)(p22; q11)mat (=) | 11,51 Mb – 27,13 Mb (approximate) | 15,619,266 | *See Yamada et al. 1982 in row Xp22* | | | | Yamada *et al.* 1982(54) |
| Yq11.2 | 46,X,idic(Y)(q11.2) | 12,50 – 27,20 Mb (approximate) | 14,700,000 | **** | - | - | 1 | Mizuguchi *et al.* 2008(23) |
| Yq12[39] | 46,XY,t(Y;15)(q12;p11) (=) | 27,13 Mb – 57,77 MB (approximate) | 30,639,484 | *See Alitalo et al. 1988 in row 15p11* | | | | Alitalo *et al.* 1988(44) |

[39] In this study, two male cases are described. Both cases are diagnosed with paranoid schizophrenia. Case entries can be tracked in the chromosome ideogram by identifying the thicker bar in the corresponding color. See also chromosome 15.

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**Figure S1.** Copy Number Variations (CNVs) in 834 Dutch schizophrenia cases compared with CNVs from literature.

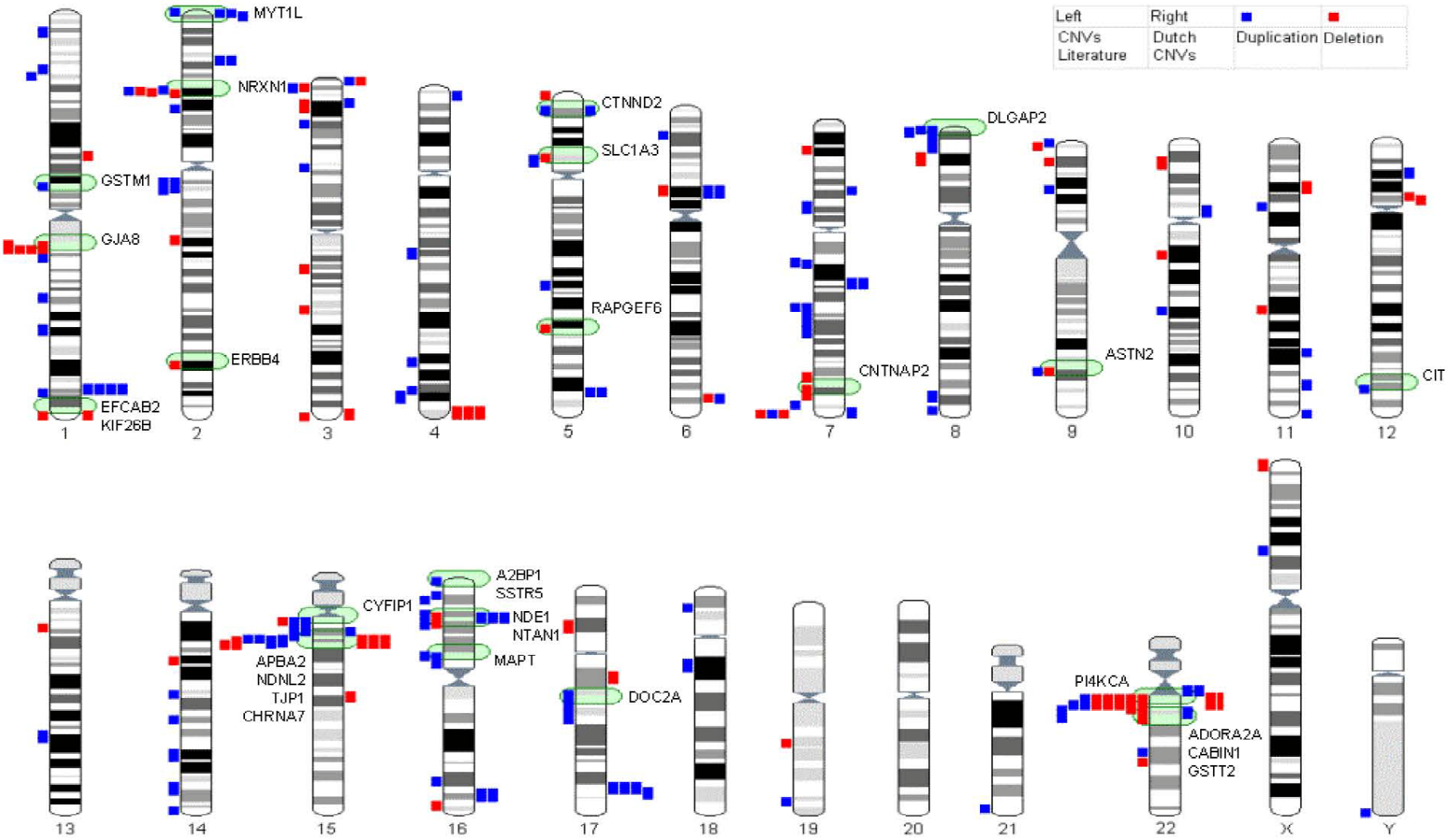

**Figure S2.** Cytogenetic aberrations in schizophrenia from literature.

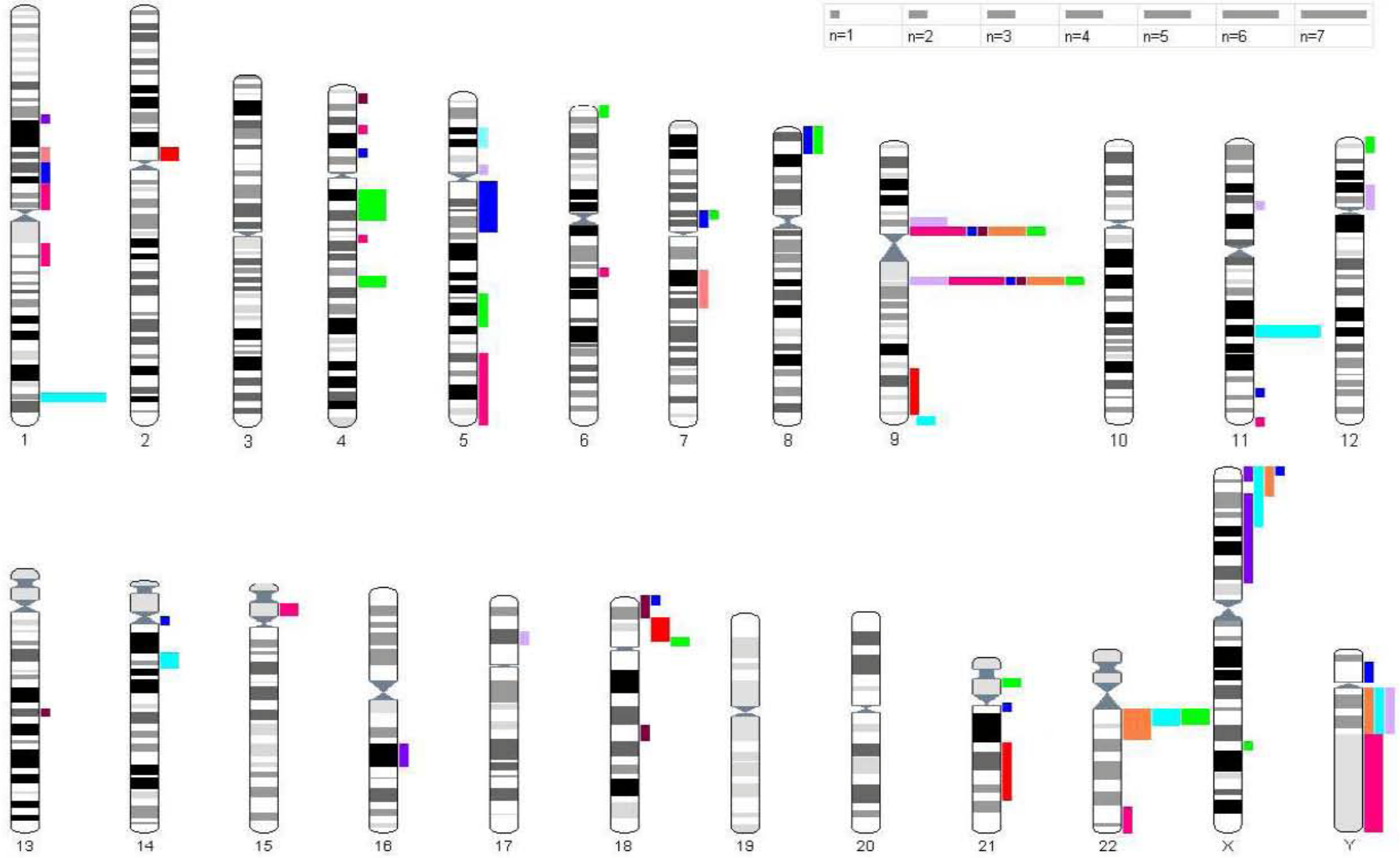

**Figure S3.** [Adapted from UCSC genome browser image]. Location of CNVs in the 22q11 region. LCR: Low Copy Repeat, with the typical 22q11.2 deletion mediated by LCRs A and D. Green boxes: deletions, Red boxes: duplications.