## GWAS CASE COHORT

| Chr | SNP name | Position | | 12118_PRT | 12573_PRT | 12835_PRT | 12854_PRT | 14528_PRT | 17526_PRT | 17545_PRT | 17546_PRT | 17547_PRT | 17933_PRT | 18188_PRT | 18500_PRT | 11445_PRT | 11453_PRT | 11837_PRT | 12015_PRT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | BICF2P970496 | 52492443 | 1.6E-05 | G | G | G | G | G | G | A | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P958336 | 52619327 | 9.48E-06 | A | A | A | A | G | A | G | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P1438978 | 52840884 | 7.43E-07 | A | A | A | A | C | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P880099 | 52985150 | 5.31E-05 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 18 | BICF2P1127143 | 53097882 | 6.31E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P448303 | 53197305 | 9.93E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P129634 | 53233190 | 0.000285 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P539360 | 53394191 | 4.06E-05 | G | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P1329203 | 53468436 | 0.01041 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P76201 | 53517306 | 0.08628 | G | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P1155995 | 53644828 | 2.18E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P753571 | 53696412 | 5.31E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P327014 | 53729092 | 2.18E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P986209 | 53791895 | 2.18E-05 | C | C | C | C | C | G | C | C | C | C | C | C | C | C | C | C |
| 18 | BICF2P102870 | 53848702 | 0.000632 | A | A | A | A | C | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P1282644 | 53907984 | 0.000125 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P660897 | 53932040 | 0.000125 | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P1337495 | 53981168 | 5.31E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P326274 | 54008916 | 0.000576 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P152937 | 54062783 | 2.18E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2S23645462 | 54287582 | 5.31E-05 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P680854 | 54395197 | 8.66E-06 | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G | G |
| 18 | TIGRP2P257487 | 54419119 | 0.000576 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2S23026958 | 54576931 | 8.66E-06 | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P210400 | 54648370 | 5.37E-05 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | TIGRP2P257540 | 54707786 | 5.37E-05 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P1047524 | 54796248 | 0.001362 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P1238819 | 54809788 | 0.000576 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P642311 | 54837807 | 0.002497 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | TIGRP2P257607 | 54883940 | 2.18E-05 | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P525884 | 54961775 | 0.000576 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P156099 | 54981333 | 1.5E-06 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P651617 | 55033139 | 7.04E-09 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2S23514719 | 55158205 | 0.000268 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | TIGRP2P257664 | 55208015 | 2.18E-05 | G | G | G | G | A | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P363526 | 55311435 | 5.37E-05 | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P647600 | 55450863 | 0.08628 | G | G | G | G | G | G | A | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P1340374 | 55491708 | 0.000122 | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G | G |
| 18 | BICF2P1278708 | 55516531 | 3.3E-06 | A | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2S2312188 | 55597108 | 0.005885 | A | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2S23127989 | 55674540 | 7.43E-07 | A | A | A | A | T | A | T | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P617558 | 55803431 | 9.93E-05 | A | A | A | A | G | A | G | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P1026445 | 55860486 | 0.2002 | G | G | G | G | A | G | G | G | A | G | A | G | A | G | G | G |
| 18 | BICF2S2341553 | 55938478 | 0.756 | G | G | G | G | G | G | G | A | G | G | G | A | G | A | G | G |
| 18 | BICF2P87507 | 55976410 | 0.001362 | A | A | A | A | G | A | A | A | A | A | A | A | A | A | A | A |
| 18 | BICF2P474131 | 56051164 | 0.005366 | A | A | A | A | G | A | A | A | G | A | G | A | G | A | A | A |
| 18 | TIGRP2P257922 | 56056094 | 0.4118 | G | G | G | G | A | G | G | G | A | G | A | G | A | G | G | G |
| 18 | BICF2S22931556 | 56260105 | 0.005366 | C | C | C | C | A | C | C | C | A | C | C | A | C | A | C | C |

## GWAS CONTROL COHORT

| SNP name | 11291_PRT | 12018_PRT | 12837_PRT | 12898_PRT | 12899_PRT | 12947_PRT | 17477_PRT | 17529_PRT | 17553_PRT | 18032_PRT | 18501_PRT | 18502_PRT | 11294_PRT | 11491_PRT | 12125_PRT | 12205_PRT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BICF2P970496 | G | A | G | A | G | G | A | A | A | G | A | G | A | G | A | G |
| BICF2P958336 | A | G | A | A | A | G | G | G | A | G | A | G | G | G | A | G |
| BICF2P1438978 | A | C | A | C | A | C | C | C | A | C | A | C | C | A | C | A |
| BICF2P880099 | C | G | C | G | C | C | G | G | C | G | C | G | G | C | C | G |
| BICF2P1127143 | A | G | A | G | A | A | G | G | A | A | A | G | G | G | A | A |
| BICF2P448303 | A | A | A | G | G | A | A | G | G | A | G | G | G | A | G | A |
| BICF2P129634 | A | A | A | G | A | A | A | G | A | G | A | A | A | G | A | G |
| BICF2P539360 | G | G | A | G | G | A | G | A | A | G | A | G | A | G | A | G |
| BICF2P1329203 | A | A | A | A | A | G | A | A | A | A | G | G | A | G | A | G |
| BICF2P76201 | G | G | G | G | G | G | A | G | G | G | G | G | G | G | G | G |
| BICF2P1155995 | A | A | A | G | A | A | G | G | A | G | A | G | G | A | G | A |
| BICF2P753571 | A | A | A | A | A | G | G | A | G | A | G | A | G | A | G | A |
| BICF2P327014 | A | A | A | G | A | A | G | G | A | G | A | G | G | A | G | A |
| BICF2P986209 | C | C | C | G | C | C | G | G | C | G | C | G | G | C | G | C |
| BICF2P102870 | A | A | A | C | A | A | C | C | A | C | A | C | A | A | C | A |
| BICF2P1282644 | A | A | A | G | A | A | G | G | A | G | A | G | G | A | G | A |
| BICF2P660897 | G | G | A | G | G | A | A | G | G | A | G | A | G | G | A | G |
| BICF2P1337495 | A | A | A | G | A | A | G | G | A | G | A | G | G | A | G | A |
| BICF2P326274 | G | G | G | A | G | G | A | A | G | A | G | A | G | G | G | A |
| BICF2P152937 | A | A | A | G | A | A | G | G | A | G | A | G | G | A | G | A |
| BICF2S23645462 | A | A | A | G | A | A | G | G | G | A | G | G | G | A | G | A |
| BICF2P680854 | G | G | A | G | A | A | G | G | A | A | G | A | A | G | A | G |
| TIGRP2P257487 | G | G | A | G | G | G | A | G | G | G | A | G | G | G | A | G |
| BICF2S23026958 | G | G | A | G | A | A | G | G | A | A | G | A | A | G | A | G |
| BICF2P210400 | A | A | A | A | G | G | A | A | G | A | G | G | G | A | G | A |
| TIGRP2P257540 | A | A | A | A | G | G | A | A | G | A | G | A | G | A | G | A |
| BICF2P1047524 | A | G | A | G | A | A | G | A | G | A | G | A | G | A | G | A |
| BICF2P1238819 | A | A | A | A | C | C | A | A | C | C | A | C | A | C | A | A |
| BICF2P642311 | G | G | A | G | G | A | G | G | G | G | G | G | A | G | A | G |
| TIGRP2P257607 | G | A | G | G | A | G | A | G | A | G | G | A | A | A | A | G |
| BICF2P525884 | G | A | G | G | A | G | A | G | A | G | G | A | G | A | G | G |
| BICF2P156099 | G | C | G | G | C | C | C | G | C | C | C | G | C | G | C | G |
| BICF2P651617 | A | G | A | G | G | G | A | G | G | A | G | G | G | A | G | A |
| BICF2S23514719 | G | A | G | G | G | A | G | A | G | A | G | A | G | G | A | G |
| TIGRP2P257664 | G | G | A | G | A | G | A | G | G | A | A | A | G | G | A | G |
| BICF2P363526 | A | A | G | A | A | G | G | A | G | A | G | A | A | A | A | G |
| BICF2P647600 | G | G | A | G | G | G | G | G | A | G | G | G | G | G | G | A |
| BICF2P1340374 | G | G | A | G | A | G | A | G | G | G | A | G | A | G | A | G |
| BICF2P1278708 | A | A | G | G | A | G | G | G | G | A | G | A | G | G | A | G |
| BICF2S2312188 | A | A | A | A | G | A | G | A | A | A | G | A | G | A | A | A |
| BICF2S23127989 | A | A | T | A | T | A | T | A | T | T | T | T | T | T | A | T |
| BICF2P617558 | A | A | A | A | G | A | G | A | A | G | G | A | G | G | A | A |
| BICF2P1026445 | G | G | G | G | G | G | G | G | A | G | A | G | G | G | G | G |
| BICF2S2341553 | G | G | G | G | A | G | G | A | G | G | G | G | G | G | A | G |
| BICF2P87507 | A | A | G | A | G | G | A | G | A | A | A | G | A | G | A | A |
| BICF2P474131 | A | A | G | A | G | G | A | G | A | G | G | G | G | G | A | G |
| BICF2P257922 | G | G | G | G | A | G | A | G | G | G | A | A | A | G | G | G |
| BICF2S22931556 | C | C | A | C | A | A | A | A | C | A | A | A | A | A | C | C |

## OUTLIERS (Individuals with clinical signs of ataxia but not homozygous for the *CAPN1* mutation)

| SNP name | 12835_PRT | 17760_JRT | 18355_JRT | 19371_JRT | 19936_PRT | 21224 PRT | 21225 PRT | 21150 JRT |
|---|---|---|---|---|---|---|---|---|
| BICF2P970496 | G | G | A | G | A | A | A | G |
| BICF2P958336 | A | G | A | G | A | A | G | G |
| BICF2P1438978 | A | C | A | C | C | A | A | C |
| BICF2P880099 | C | C | G | C | G | G | C | C |
| BICF2P1127143 | A | G | A | A | A | A | G | A |
| BICF2P448303 | A | G | A | G | A | G | G | G |
| BICF2P129634 | A | A | G | A | G | G | G | G |
| BICF2P539360 | G | A | G | A | A | A | G | A |
| BICF2P1329203 | A | G | G | G | G | A | G | G |
| BICF2P76201 | G | A | G | G | G | G | A | G |
| BICF2P1155995 | A | G | A | G | G | G | A | G |
| BICF2P753571 | A | G | A | G | G | G | A | G |
| BICF2P327014 | A | G | A | G | G | G | A | G |
| BICF2P986209 | C | G | C | G | G | G | C | G |
| BICF2P102870 | A | C | A | A | C | A | A | C |
| BICF2P1282644 | A | G | A | G | G | A | A | G |
| BICF2P660897 | G | A | G | A | G | G | A | G |
| BICF2P1337495 | A | G | A | G | G | A | G | G |
| BICF2P326274 | G | G | G | A | G | G | G | G |
| BICF2P152937 | A | G | A | G | G | G | A | G |
| BICF2S23645462 | A | G | A | G | G | G | A | G |
| BICF2P680854 | G | A | A | A | A | A | A | G |
| TIGRP2P257487 | G | G | G | G | G | G | A | G |
| BICF2S23026958 | G | A | A | A | A | A | A | G |
| BICF2P210400 | A | A | A | G | - | - | G | G |
| TIGRP2P257540 | A | A | G | A | G | G | G | G |
| BICF2P1047524 | A | G | A | G | A | G | A | A |
| BICF2P1238819 | A | A | A | A | C | C | A | A |
| BICF2P642311 | G | G | G | G | A | G | A | G |
| TIGRP2P257607 | G | A | G | G | G | G | A | G |
| BICF2P525884 | G | A | A | G | G | G | A | A |
| BICF2P156099 | G | C | C | G | C | G | G | C |
| BICF2P651617 | A | A | G | A | G | A | G | G |
| BICF2S23514719 | G | G | G | A | G | A | G | A |
| TIGRP2P257664 | G | A | G | A | G | A | A | G |
| BICF2P363526 | A | A | G | A | G | G | A | G |
| BICF2P647600 | G | G | G | G | G | G | G | G |
| BICF2P1340374 | G | G | G | G | A | A | A | A |
| BICF2P1278708 | A | A | G | G | G | A | G | G |
| BICF2S2312188 | A | A | A | A | G | G | A | A |
| BICF2S23127989 | A | T | T | T | A | T | T | T |
| BICF2P617558 | A | G | A | G | G | G | A | A |
| BICF2P1026445 | G | A | G | G | A | G | G | G |
| BICF2S2341553 | G | G | G | G | G | A | G | G |
| BICF2P87507 | A | G | A | G | A | G | A | A |
| BICF2P474131 | A | G | A | G | G | G | G | G |
| BICF2P257922 | G | A | G | A | G | A | A | A |
| BICF2S22931556 | C | A | A | C | A | A | C | A |