**Table S4.** Top-ranked GWAS results (P < 10-5) with 186,192 genotyped SNPs in bivariate models of cataract and temporal horn volume

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | CH | Position (BP) | Gene | Alleles | MA | MAF | HWP | P value for Bivariate Model\* |
| PCC-THV | PNC-THV | PPSC-THV |
| rs16901246 | 5 | 11,089,821 | *CTNND2* | G/T | T | 0.111 | 0.80 | 3.5 x 10-6 | 0.14 | 0.16 |
| rs13184045 | 5 | 11,100,668 | *CTNND2* | C/T | T | 0.105 | 0.79 | 3.7 x 10-6 | 0.13 | 0.13 |
| rs17787646 | 5 | 11,105,907 | *CTNND2* | A/G | G | 0.106 | 0.89 | 1.2 x 10-6 | 0.16 | 0.12 |

CH: chromosome; BP: base pair; MA: minor allele; MAF: minor allele frequency; HWP: Hardy-Weinberg P value; CC = cortical cataract; NC = nuclear cataract; PSC = posterior subcapsular cataract; THV = baseline temporal horn volume.

\* Traits were normalized after adjustment for age and gender.