Supplementary Table 5 Genotype, allele, and haplotype frequencies of *APOE* (rs429358)and *APOE* (rs7412) from the study by Corder et al. (1993).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNP and  SNP Pair | Genotype, Allele, and Haplotype | | Frequency | |
| Character and String | *APOE* genotype and allele | Affected | Unaffected |
|  | Genotype |  |  |  |
| rs429358 | 0 |  | 0.2000 | 0.5324 |
|  | 1 |  | 0.5789 | 0.4532 |
|  | 2 |  | 0.2211 | 0.0144 |
| rs7412 | 0 |  | 0.9579 | 0.8777 |
|  | 1 |  | 0.0421 | 0.1223 |
| (rs429358, | 00 | *APOE* ε3/ε3 | 0.1684 | 0.4388 |
| rs7412) | 01 | *APOE* ε2/ε3 | 0.0316 | 0.0935 |
|  | 10 | *APOE* ε3/ε4 | 0.5684 | 0.4245 |
|  | 11 | *APOE* ε2/ε4 | 0.0105 | 0.0288 |
|  | 20 | *APOE* ε4/ε4 | 0.2211 | 0.0144 |
|  | Allele |  |  |  |
| rs429358 | 0 |  | 0.4895 | 0.7590 |
|  | 1 |  | 0.5105 | 0.2410 |
| rs7412 | 0 |  | 0.9789 | 0.9388 |
|  | 1 |  | 0.0211 | 0.0612 |
| (rs429358, | Haplotype |  |  |  |
| rs7412) | 00 | *APOE* ε3 | 0.4684 | 0.6978 |
|  | 01 | *APOE* ε2 | 0.0211 | 0.0612 |
|  | 10 | *APOE* ε4 | 0.5105 | 0.2410 |

The numbers of affected and unaffected individuals are 95 and 139, respectively. For each genotype at a locus, characters 0, 1, and 2 denote homozygous wild-type, heterozygous, and homozygous mutant genotypes, respectively. For each allele at a locus, characters 0 and 1 denote major and minor alleles, respectively. The major/minor alleles for *APOE* (rs429358) and *APOE* (rs7412) are T/C and C/T, respectively. The allelic information was extracted from the summary of the family-based dataset.