

Supplementary Material to “Combined association of Presenilin-1 and Apolipoprotein E polymorphisms with maternal meiosis II error in Down syndrome births”

Table S2 - *PSEN-1* genotypic and allelic frequencies in control mothers of karyotypically normal children.

| Subjects | Genotypes | | | Alleles | |
|--|-----------|--------|--------|---------|--------|
| | TT | TG | GG | T | G |
| Control mothers (N = 186) | 0.4892 | 0.3925 | 0.1183 | 0.6855 | 0.3145 |
| Young mothers (N = 93) | 0.4409 | 0.3978 | 0.1613 | 0.6398 | 0.3602 |
| Old mothers (N = 93) | 0.5376 | 0.3871 | 0.0753 | 0.7312 | 0.2688 |
| <i>APOE</i> ε4 - positive mothers (N=42) | 0.5 | 0.3809 | 0.119 | 0.6905 | 0.3095 |
| <i>APOE</i> ε4 - positive young mothers N= 22 | 0.4545 | 0.4091 | 0.1364 | 0.6591 | 0.3409 |
| <i>APOE</i> ε4 - positive old mothers N= 20 | 0.55 | 0.35 | 0.1 | 0.725 | 0.275 |
| <i>APOE</i> ε4 - negative mothers (N=144) | 0.4861 | 0.3958 | 0.1181 | 0.684 | 0.3159 |
| <i>APOE</i> ε4 - negative young mothers N=71 | 0.4366 | 0.3944 | 0.169 | 0.6338 | 0.3662 |
| <i>APOE</i> ε4 - negative old mothers N= 73 | 0.5342 | 0.3973 | 0.0685 | 0.7329 | 0.2671 |

Young mothers, < 35 yrs of age; Old mothers, > 35 yrs of age