**Table S9**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Demographic properties** | **Aß Production rate** ($β$) | **Aß Clearance rate** ($δ$) | **Noise**(σ) | **Onset Age**(Ageonset) |
| Gender | 1.21(1.90x10-3) | 2.20(1.35x10-5) | 0.00(0.919) | 4.08(2.06x10-9) |
| APOE e4 | 5.51(5.38x10-10) | 10.48(2.24x10-19) | 0.40(0.224) | 13.21(1.12x10-24) |
| Educational Level | 0.20(0.204) | 0.32(9x10-2) | 0.13(0.314) | 0.00(0.876) |
| APOE e4 and Gender | 0.93(0.024) | 0.58(8x10-2) | 0.11(0.664) | 2.06(1.02x10-4) |
| APOE e4 and Educational Level | 0.13(0.302) | 0.005(0.824) | 0.74(0.019) | 0.04(0.510) |
| Gender and Educational Level | 0.06(0.771) | 0.04(0.834) | 0.09(0.697) | 0.04(0.836) |

Data are explained variance (statistical significance, i.e., P values).