**S1 Table.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | C | E | -2 log-Likelihood statistics | χ2 | Δdf | P-value |
| TSH |  |  |  |  |  |  |  |
|  ACE | 0.33±0.15 | 0.11±0.07 | 0.57±0.09 | 2118.1 |  |  |  |
|  **AE** | **0.54±0.06** |  | **0.46±0.06** | **2120.6** | **2.5** | **1** | **0.056** |
|  CE |  | 0.24±0.03 | 0.76±0.03 | 2123.4 | 5.3 | 1 | 0.010 |
|  E |  |  | 1 | 2192.5 | 74.4 | 2 | < 0.001 |
| fT4 |  |  |  |  |  |  |  |
|  ACE | 0.40±0.14 | 0.08±0.06 | 0.52±0.09 | 1873.8 |  |  |  |
|  **AE** | **0.56±0.06** |  | **0.44±0.06** | **1875.5** | **1.7** | **1** | **0.095** |
|  CE |  | 0.23±0.03 | 0.77±0.03 | 1883.2 | 9.4 | 1 | 0.001 |
|  E |  |  | 1 | 1945.8 | 72.0 | 2 | < 0.001 |