**ADDITIONAL FILE**

Additional file 1. Latent profile analysis: Model fit statistics.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Goodness-of-fit statistics | | | |
|  | Log Likelihood | AIC | BIC | LLRT p-value\* |
| 1-profile | -2616.4 | 5248.8 | 5272.7 |  |
| 2-profile | -2548.7 | 5131.5 | 5182.3 | <0.001 |
| 3-profile | -2503.6 | 5059.1 | 5136.9 | <0.001 |
| 4-profile | -2475.1 | 5020.2 | 5124.9 | <0.001 |
| 5-profile | -2446.4 | 4980.8 | 5112.4 | <0.001 |
| 6-profile | -2416.9 | 4939.8 | 5098.3 | <0.001 |
| 7-profile | -2409.7 | 4943.4 | 5128.8 | 0.111 |

AIC = Akaike Information Criteria; BIC = Bayesian Information Criteria; LLRT = Log Likelihood Ratio Test.

\*A p-value <0.05 indicates that a k profile model provides better fit than a k-1 profile model.