

Online supplementary file 2: Comparison between latent class models

Number of latent classes	CAIC	BIC
1	8776.2	8824.2
2	8485.6	8587.0
3	8443.1	8592.6
4	8413.5	8616.4
5	8442.5	8656.0

Note: Boldface type indicates the selected model. BIC Bayesian Information Criterion, CAIC consistent Akaike Information Criterion.
Although the 2-class model had a slightly lower BIC index than the three-class ($BIC_{2class} = 8587.0$ vs. $BIC_{3class} = 8592.6$), further, inspection showed that the three-class model exhibited clearer separation between latent classes thus the three-class model was finally selected.