

**Supplementary Table 4.** Outputs from the graded response model

Items	$\chi^2$	df	p	RMSEA	$\alpha^*$	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>
Factor I									
Item 1a	27.07	22	0.520	0.024	2.177	-0.848	0.220	1.252	2.535
Item 1b	15.66	17	0.685	0.000	3.436	-0.706	0.086	0.956	1.918
Item 1c	38.43	18	0.450	0.031	1.323	-0.695	0.373	1.568	3.399
Item 2	16.28	17	0.685	0.000	2.478	-2.396	-0.941	0.260	1.806
Item 5	22.62	23	0.686	0.000	2.132	-0.696	0.397	1.488	2.625
Factor II <sup>†</sup>									
Item 3	-	-	-	-	1.867	-2.060	-0.817	0.316	1.741
Item 4	-	-	-	-	13.593	-1.096	-0.384	0.405	1.522

\*low: 0.35–0.64, moderate: 0.65–1.34, high: 1.35–1.69, very high:  $\geq 1.7^{23}$ ; <sup>†</sup>since Factor II contains only 2 items, item fit information is not available. RMSEA, root-mean-square-error of approximation