

Supplementary material table 1. Item response theory analysis of the IDS-SR 30						
Item	Loading	h <sup>2</sup>	a	b1	b2	b3
1. Falling asleep	0.096	0.009	0.164	5.147	-2.621	-0.080
2. Sleep during the night	0.105	0.011	0.179	-4.045	2.994	-1.731
3. Waking up too early	0.123	0.015	0.211	6.359	0.695	0.859
4. Sleeping too much	0.091	0.008	0.155	3.790	6.191	5.334
5. Feeling sad	0.622	0.386	1.350	-2.210	-0.306	1.414
6. Feeling irritable	0.418	0.175	0.784	-1.996	0.065	2.061
7. Anxious or tense	0.538	0.289	1.086	-2.029	-0.121	1.870
8. Response of mood	0.549	0.302	1.119	-0.486	0.764	2.120
9a. Mood in time of day	0.059	0.004	0.101	6.395	18.799	-8.212
10. Quality of mood	0.230	0.053	0.402	-3.505	0.356	0.684
11. Appetite	0.201	0.040	0.349	-1.454	3.635	-0.042
12. Weight	0.100	0.010	0.172	0.514	3.376	2.243
15. Concentration	0.446	0.199	0.847	-2.448	0.179	1.570
16. View of myself	0.260	0.068	0.458	-1.836	3.478	-3.304
17. View of my future	0.555	0.308	1.136	-2.564	0.994	1.219
18. Death or suicide	0.348	0.121	0.632	0.111	1.409	3.602
19. General interest	0.506	0.256	0.999	-1.395	1.398	0.620
20. Energy level	0.477	0.228	0.925	-2.041	-0.816	1.957
21. Capacity for pleasure	0.689	0.474	1.616	-1.263	0.684	1.999
22. Interest in sex	0.271	0.074	0.480	-0.658	0.339	1.761
23. Psychomotor retardation	0.360	0.130	0.657	0.437	-0.177	3.277
24. Psychomotor agitation	0.184	0.034	0.319	-0.655	0.070	5.193
25. Aches and pains	0.269	0.072	0.475	-3.100	0.567	3.820
26. Sympathetic arousal	0.310	0.096	0.554	-2.184	1.125	4.956
27. Panic/phobic	0.233	0.055	0.409	0.047	0.484	3.117
28. Constipation/diarrhea	0.183	0.034	0.317	0.037	2.179	3.729
29. Interpersonal sensitivity	0.306	0.094	0.548	-2.238	-2.190	1.095
30. Leaden paralysis	0.411	0.169	0.767	-2.764	-0.737	0.620

Note. Loadings denote as component loadings. h<sup>2</sup> denotes as the variances accounted for in each item. a denotes item's discrimination parameter. b1, b2, and b3 denotes the generalized partial credit model parameter estimates.