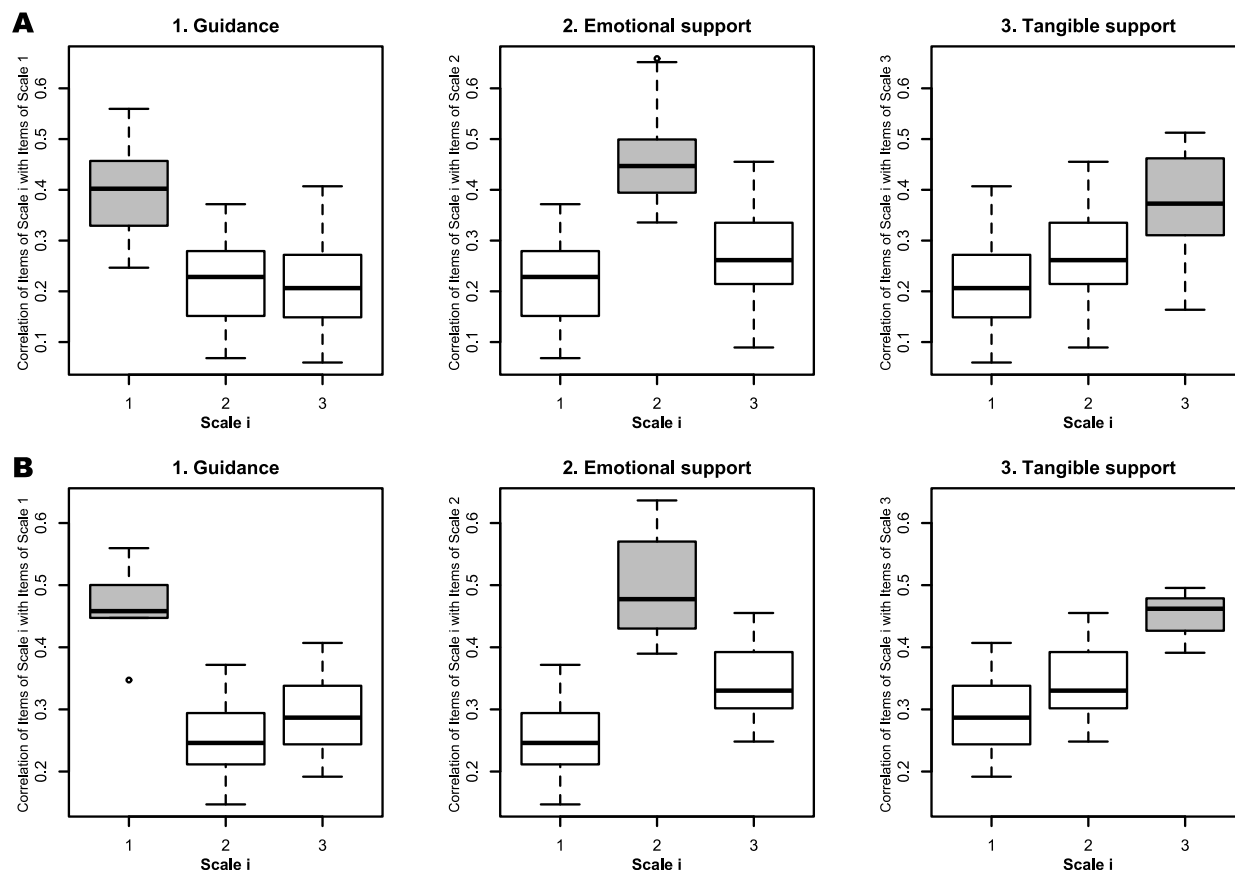*Supplementary Material for 'Validation of the factor structure and gender-related measurement invariance of the Inventory of Socially Supportive Behaviors (short-form): proposing an alternative design'*

Supplementary Figure S1. Multi-trait multimethod assessment of convergent and divergent validity. Barplots show the distribution of correlations of individual ISSB-SF items with other intra- and inter-factor items for (A) the original 19-item and (B) the alternative trimmed version of the instrument.

Supplementary Table S1. Standardized loadings of items in individual factors and inter-factors correlations

	A. Original model		B. Alternative model	
	Std. β	P	Std. β	P
Guidance				
item1	0.673	<0.001	0.696	<0.001
item2	0.79	<0.001	0.807	<0.001
item3	0.649	<0.001	0.623	<0.001
item4	0.584	<0.001		
item5	0.398	<0.001		
item6	0.6	<0.001	0.552	<0.001
Emotional support				
item7	0.717	<0.001		
item8	0.767	<0.001	0.753	<0.001
item9	0.785	<0.001	0.766	<0.001
item10	0.731	<0.001	0.729	<0.001
item11	0.602	<0.001		
item12	0.627	<0.001	0.615	<0.001
item13	0.604	<0.001	0.588	<0.001
item14	0.596	<0.001		
Tangible support				
item15	0.36	<0.001		
item16	0.515	<0.001		
item17	0.63	<0.001	0.616	<0.001
item18	0.733	<0.001	0.754	<0.001
item19	0.664	<0.001	0.645	<0.001
Factor correlations				
GDN~EMS	0.504	<0.001	0.51	<0.001
GDN~TNS	0.625	<0.001	0.632	<0.001
EMS~TNS	0.689	<0.001	0.728	<0.001

Abbrev.: GDN – Guidance, EMS – Emotional support, TNS – Tangible support

Supplementary Table S2. Discriminant validity estimates and likelihood ratio test against constrained model

	corr. est. [95%CI]	AIC	BIC	X2	X² diff.	P
A. Original model						
GDN~EMS	0.504 [0.435, 0.573]	35886.30419	36082.61058	895.8868351	300.3405429	<0.001
GDN~TNS	0.625 [0.557, 0.692]	35693.65744	35889.96384	703.240093	107.6938008	<0.001
EMS~TNS	0.689 [0.630, 0.747]	35668.40696	35864.71335	677.9896069	82.44331467	<0.001
B. Alternative model						
GDN~EMS	0.510 [0.437, 0.584]	22582.21726	22714.60994	388.3950472	200.922361	<0.001
GDN~TNS	0.632 [0.561, 0.703]	22463.81157	22596.20426	269.9893618	82.51667556	<0.001
EMS~TNS	0.728 [0.667, 0.789]	22421.97437	22554.36706	228.1521639	40.67947764	<0.001

Abbrev.: GDN – Guidance, EMS – Emotional support, TNS – Tangible support