Supplementary Materials

Table S1. Test for interaction between relationship satisfaction difference and emotion evoked.

Table S1a

Multiple linear regression model for interpersonal neural synchrony – frontal right cluster

Variable	Estimate	Standard error	t-value	p-value
(Intercept)	0.0003	0.00004	7.16	<.001
Romantic partners' relationship satisfaction score difference	-0.0001	0.00005	-1.84	.08
Type of emotion (positive)	-0.00004	0.00006	-0.76	0.46
Interaction between relationship satisfaction score difference and emotion	0.00002	0.00008	0.32	0.75

** Denotes statistical significance at <.05*

Table S1b

Multiple linear regression model for interpersonal neural synchrony – frontal left cluster

Variable	Estimate	Standard error	t-value	p-value
(Intercept)	0.0003	0.00003	8.60	<.001

Romantic partners' relationship satisfaction score difference	-0.0001	0.00005	-2.18	.039*
Type of emotion (positive)	-0.0001	0.00005	-2.23	.035*
Interaction between relationship satisfaction score difference and emotion	0.00009	0.00007	1.42	0.17

** Denotes statistical significance at <.05*

(1) Test for sequence effect

Table S2a

Multiple linear regression model for interpersonal neural synchrony – frontal right cluster

Variable	Estimate	Standard error	t-value	p-value
(Intercept)	0.0003	0.00005	4.73	<.001
Romantic partners' relationship satisfaction score difference	-0.00006	0.00005	-1.26	.22
Type of emotion (positive)	-0.00003	0.00003	-0.83	0.41
Condition_B (covariate)	-0.00003	0.00004	-0.64	0.53
Condition_C (covariate)	0.00005	0.00005	1.02	.32

** Denotes statistical significance at <.05*

Table S2b

Multiple linear regression model for interpersonal neural synchrony – frontal left cluster

Variable	Estimate	Standard error	t-value	p-value
(Intercept)	0.0002	0.00005	5.36	<.001
Romantic partners' relationship satisfaction score difference	-0.00003	0.00004	-0.64	.53
Type of emotion (positive)	-0.00006	0.00003	-1.86	0.07
Condition_B (covariate)	-0.00004	0.00004	-0.98	0.34
Condition_C (covariate)	0.00005	0.00005	1.19	.25

***** *Denotes statistical significance at <.05*