Supplementary Materials 4

Table 1. Survival of Positive and Negative Events in the Repeated Reproduction and the Reproduction Intent contexts: Results of the logistic mixed effects models.

Repeated Reproduction Vs. Reproduction Intent				
Fixed Effects	**Estimate**	**Standard Error**	**z value**	**Pr(>|z|)**
Initial logistic mixed effects model (BIC = 4717)				
Social Context	-0.91	0.28	-3.24	.001
Valence	-1.88	0.60	-3.14	.002
Chain Position	-0.17	0.03	-5.04	<.001
Event Position (linear)	-11.10	16.62	0.67	.504
Event Position (quadratic)	-15.34	16.07	-0.96	.340
Social Context*Valence	-0.29	0.26	-1.10	.271
Social Context*Chain Position	-0.31	0.07	-4.53	<.001
Valence* Chain Position	-0.01	0.07	-0.16	0.872
Social Context*Valence*Chain Position	-0.05	0.14	-0.40	0.689
Final logistic mixed effects model (BIC = 4677)				
Social Context	-0.97	0.28	-3.45	<.001
Valence	-1.58	0.54	-2.95	.003
Chain Position	-0.17	0.03	-5.01	<.001
Social Context*Chain Position	-0.31	0.07	-4.52	<.001

glmer (Present~ SocialContext.C*Valence.C*ChainPosition.C + poly(EventPosition.C, 2) + (1 + Valence.C | ChainID) + (1 | Event), data=Analysis1, family=binomial)

Table 2. Survival of Positive and Negative Events in the Reproduction Intent and the Communication Intent contexts: Results of the logistic mixed effects models.

Reproduction Intent Vs. Communication Intent				
Fixed Effects	**Estimate**	**Standard Error**	**z value**	**Pr(>|z|)**
Initial logistic mixed effects model (BIC = 4669)				
Social Context	0.17	0.21	0.81	.419
Valence	-2.05	0.68	-3.02	.003
Chain Position	-0.47	0.04	-13.22	<.001
Event Position (linear)	-19.90	23.63	-0.84	.400
Event Position (quadratic)	-20.51	18.64	-1.10	.271
Social Context*Valence	-0.23	0.28	-0.81	.419
Social Context*Chain Position	0.22	0.07	3.23	.001
Valence*Chain Position	0.03	0.07	-0.42	.673
Social Context*Valence*Chain Position	-0.14	0.14	-0.98	.328
Final logistic mixed effects model (BIC = 4630)				
Valence	-1.58	0.58	-2.70	.007
Chain Position	-0.47	0.04	-13.28	<.001
Social Context*Chain Position	0.23	0.07	3.35	<.001

glmer (Present~ SocialContext.C*Valence.C*ChainPosition.C + poly(EventPosition.C, 2) + (1 + Valence.C | ChainID) + (1 | Event), data=Analysis2, family=binomial)

Table 3. Survival of Positive and Negative Events in the Communication Intent and the Social Interaction contexts: Results of the logistic mixed effects models.

Communication Intent Vs. Social Interaction				
Fixed Effects	**Estimate**	**Standard Error**	**z value**	**Pr(>|z|)**
Initial logistic mixed effects model (BIC = 3739)				
Social Context	-0.67	0.21	-3.20	.001
Valence	-1.77	0.68	-2.60	.009
Chain Position	-0.71	0.05	-13.07	<.001
Event Position (linear)	-25.40	16.85	-1.51	.131
Event Position (quadratic)	-24.80	21.01	-1.18	.238
Social Context*Valence	0.62	0.17	3.62	<.001
Social Context*Chain Position	-0.14	0.11	-1.30	.193
Valence*Chain Position	-0.02	0.11	-0.16	.870
Social Context*Valence*Chain Position	-0.30	0.21	-1.41	.159
Final logistic mixed effects model (BIC = 3704)				
Social Context	-0.65	0.21	-3.11	.002
Valence	-1.10	0.61	-1.79	.074
Chain Position	-0.70	0.05	-13.07	<.001
Social Context*Valence	0.66	0.17	3.87	<.001

glmer (Present~ SocialContext.C*Valence.C*ChainPosition.C + poly(EventPosition.C, 2) + (1 | ChainID) + (1 | Event), data=Analysis3, family=binomial)