Supplementary Materials

Table S1: Analysis of the N400 effect at the critical word, with block 1 as reference level (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.79 ***	-2.35,-1.23	0.29	-6.24	<0.001
Plausibility	-0.30	-0.92,0.31	0.31	-0.96	0.337
Third2	0.52	-0.09,1.13	0.31	1.66	0.097
Third3	0.21	-0.40,0.83	0.31	0.67	0.502
Plaus:Third2	-0.38	-1.25,0.48	0.44	-0.87	0.386
Plaus:Third3	0.22	-0.65,1.09	0.44	0.49	0.625

Random Effects

σ^2	58.55
$\tau_{00\ ItemNr}$	0.88
$\tau_{00\ Subject}$	1.07
$N_{Subject}$	36
N_{ItemNr}	216
Observations	7144
Marginal R^2 / Conditional R^2	0.001 / 0.033

*p<0.05   ** p<0.01   *** p<0.001*

Table S2: Analysis of the N400 effect at the critical word, with block 3 as reference level (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.58 ***	-2.15,-1.02	0.29	-5.48	<0.001
Plausibility	-0.08	-0.70,0.53	0.32	-0.27	0.790
Third1	0.31	-0.31,0.92	0.31	0.98	0.325
Third2	-0.21	-0.83,0.40	0.31	-0.67	0.502
Plaus:Third1	-0.60	-1.47,0.27	0.44	-1.35	0.176
Plaus:Third2	-0.22	-1.09,0.65	0.44	-0.49	0.625

Random Effects

σ^2	58.55
$\tau_{00\ \text{ItemNr}}$	0.88
$\tau_{00\ \text{Subject}}$	1.07
N_{Subject}	36
N_{ItemNr}	216
Observations	7144
Marginal R^2 / Conditional R^2	0.001 / 0.033

* p<0.05   ** p<0.01   *** p<0.001

Table S3: Exploratory analysis of the N400 effect at the critical word in blocks 1 and 2 using deviation coding (plausible -0.5; implausible 0.5; block 1:-0.5; block 2: 0.5).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.78 ***	-2.21,-1.36	0.22	-8.22	<0.001
Plausibility	-0.50 *	-0.95,-0.04	0.23	-2.14	0.032
Block	0.32	-0.11,0.76	0.22	1.47	0.143
Plausibility:block	-0.39	-1.26,0.48	0.44	-0.88	0.377

Random Effects

σ^2	58.52
$\tau_{00 \text{ ItemNr}}$	0.89
$\tau_{00 \text{ Subject}}$	1.10
$\tau_{11 \text{ Subject.PlausImpl\_pl}}$	0.18
$\rho_{01 \text{ Subject}}$	0.03
$N_{\text{ Subject}}$	36
$N_{\text{ ItemNr}}$	216
Observations	4781
Marginal R^2 / Conditional R^2	0.002 / 0.035

*p<0.05   ** p<0.01   *** p<0.001*

Table S4: Exploratory analysis of the N400 effect at the critical word in blocks 2 and 3 using deviation coding (plausible -0.5; implausible 0.5; block 2:-0.5; block 3: 0.5).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.62 ***	-2.03,-1.22	0.21	-7.85	<0.001
Plausibility	-0.38	-0.85,0.09	0.24	-1.58	0.115
Block	-0.01	-0.45,0.43	0.23	-0.04	0.968
Plausibility:block	0.60	-0.28,1.48	0.45	1.33	0.183

Random Effects

σ^2	60.38
$\tau_{00\ \text{ItemNr}}$	0.94
$\tau_{00\ \text{Subject}}$	0.92
$\tau_{11\ \text{Subject.PlausImpl\_pl}}$	0.24
$\rho_{01\ \text{Subject}}$	0.66
N_{Subject}	36
N_{ItemNr}	216
Observations	4760
Marginal R^2 / Conditional R^2	0.001 / 0.032

* p<0.05   ** p<0.01   *** p<0.001

Table S5: Exploratory analysis of the P600 effect at the disambiguating verb in block 2 using a narrower time window (600-800 msec, central-parietal electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	2.55 ***	1.80,3.29	0.38	6.68	<0.001
Plausibility	-0.57	-1.23,0.08	0.33	-1.73	0.084
TrialPosition	-0.01	-0.04,0.02	0.01	-0.82	0.413
Plausibility:TrialPosition	0.01	-0.03,0.04	0.02	0.44	0.661

Random Effects

σ^2	64.43
$\tau_{00 \ ItemNr}$	3.88
$\tau_{00 \ Subject}$	2.60
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2337
Marginal R^2 / Conditional R^2	0.002 / 0.093

* p<0.05   ** p<0.01   *** p<0.001

Table S6: Analysis of the N400 effect as a function of trial position at the critical noun in block 1 (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.79 ***	-2.37,-1.22	0.29	-6.16	<0.001
Plausibility	-0.29	-0.89,0.30	0.30	-0.96	0.336
TrialPosition	0.02	-0.00,0.04	0.01	1.61	0.107
Plaus:TrialPosition	-0.01	-0.04,0.02	0.02	-0.49	0.621

Random Effects

σ^2	54.82
$\tau_{00 \ ItemNr}$	0.68
$\tau_{00 \ Subject}$	1.30
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2384
Marginal R^2 / Conditional R^2	0.002 / 0.037

* p<0.05   ** p<0.01   *** p<0.001

Table S7: Analysis of the P600 effect as a function of trial position at the critical noun in block 1 (500-900 msec, central-parietal electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	0.52	-0.02,1.05	0.27	1.89	0.060
Plausibility	0.08	-0.51,0.67	0.30	0.26	0.798
TrialPosition	0.03 **	0.01,0.05	0.01	2.63	0.009
Plaus:TrialPosition	-0.02	-0.05,0.01	0.02	-1.50	0.134

Random Effects

σ^2	53.74
$\tau_{00\ \text{ItemNr}}$	0.77
$\tau_{00\ \text{Subject}}$	0.96
N_{Subject}	36
N_{ItemNr}	216
Observations	2384
Marginal R^2 / Conditional R^2	0.003 / 0.034

* p<0.05   ** p<0.01   *** p<0.001

Table S8: Analysis of the N400 effect as a function of trial position at the critical noun in block 2 (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.28 ***	-1.84,-0.71	0.29	-4.41	<0.001
Plausibility	-0.69 *	-1.32,-0.06	0.32	-2.14	0.032
TrialPosition	0.00	-0.02,0.03	0.01	0.22	0.824
Plaus:TrialPosition	0.00	-0.03,0.03	0.02	0.15	0.885

Random Effects

σ^2	61.81
$\tau_{00 \; ItemNr}$	1.57
$\tau_{00 \; Subject}$	0.90
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2397
Marginal R^2 / Conditional R^2	0.002 / 0.040

*p<0.05   ** p<0.01   *** p<0.001*

Table S9: Analysis of the P600 effect as a function of trial position at the critical noun in block 2 (500-900 msec, central-parietal electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	1.10 ***	0.61,1.58	0.25	4.43	<0.001
Plausibility	-0.29	-0.88,0.31	0.30	-0.95	0.344
TrialPosition	-0.01	-0.03,0.01	0.01	-1.12	0.264
Plaus:TrialPosition	0.02	-0.01,0.05	0.02	1.50	0.134

Random Effects

σ^2	54.44
$\tau_{00 \ ItemNr}$	0.63
$\tau_{00 \ Subject}$	0.46
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2397
Marginal R^2 / Conditional R^2	0.001 / 0.021

* p<0.05   ** p<0.01   *** p<0.001

Table S10: Analysis of the N400 effect as a function of trial position at the critical noun in block 3 (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	-1.58 ***	-2.10,-1.05	0.27	-5.88	<0.001
Plausibility	-0.10	-0.72,0.52	0.32	-0.33	0.744
TrialPosition	0.02 *	0.00,0.05	0.01	2.05	0.040
Plaus:TrialPosition	-0.01	-0.04,0.02	0.02	-0.74	0.459

Random Effects

σ^2	58.99
$\tau_{00\ ItemNr}$	0.57
$\tau_{00\ Subject}$	0.69
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2363
Marginal R^2 / Conditional R^2	0.002 / 0.023

*p<0.05   ** p<0.01   *** p<0.001*

Table S11: Analysis of the P600 effect as a function of trial position at the critical noun in block 3 (500-900 msec, central-parietal electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	1.00 ***	0.47,1.53	0.27	3.71	<0.001
Plausibility	-0.32	-0.92,0.28	0.31	-1.06	0.291
TrialPosition	0.01	-0.01,0.03	0.01	0.64	0.525
Plaus:TrialPosition	-0.01	-0.04,0.02	0.02	-0.52	0.600

Random Effects

σ^2	55.26
$\tau_{00 \text{ ItemNr}}$	0.47
$\tau_{00 \text{ Subject}}$	0.86
N_{Subject}	36
N_{ItemNr}	216
Observations	2363
Marginal R^2 / Conditional R^2	0.001 / 0.024

*p<0.05   ** p<0.01   *** p<0.001*

Table S12: Analysis of the N400 effect as a function of trial position at the sentence-final word in block 3 (300-500 msec, central electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	1.33 ***	0.59,2.07	0.38	3.53	<0.001
Plausibility	-0.32	-0.98,0.34	0.34	-0.95	0.345
TrialPosition	-0.02	-0.05,0.00	0.01	-1.95	0.051
Plaus:TrialPosition	0.01	-0.02,0.04	0.02	0.62	0.532

Random Effects

σ^2	66.47
$\tau_{00\ ItemNr}$	2.16
$\tau_{00\ Subject}$	2.74
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2354
Marginal R^2 / Conditional R^2	0.003 / 0.071

* p<0.05   ** p<0.01   *** p<0.001

Table S13: Analysis of the P600 effect as a function of trial position at the sentence-final word in block 3 (500-900 msec, central-parietal electrodes).

Parameters	Estimate	95% CI	SE	t	p
Intercept	1.33 ***	0.59,2.07	0.38	3.53	<0.001
Plausibility	-0.32	-0.98,0.34	0.34	-0.95	0.345
TrialPosition	-0.02	-0.05,0.00	0.01	-1.95	0.051
Plaus:TrialPosition	0.01	-0.02,0.04	0.02	0.62	0.532

Random Effects

σ^2	66.47
$\tau_{00 \ ItemNr}$	2.16
$\tau_{00 \ Subject}$	2.74
$N_{Subject}$	36
N_{ItemNr}	216
Observations	2354
Marginal R^2 / Conditional R^2	0.003 / 0.071

* p<0.05   ** p<0.01   *** p<0.001