Supplementary online material

1. Familiarization stems

Table S.1

Familiarization stems.

	Stems[a]	
pʊ	prəʊ	prɑm
ki	praʊ	kræs
bə	krə	braʊg
gɑ	breɪ	grəz
sʌ	grʌ	kweɪb
zeɪ	kwɑ	swəʊp
mæ	sbæ	smɔɪk
rɔɪ	swʊ	swir
jəʊ	smɔɪ	krʊg
waʊ	smi	kwʌz

[a] The stems indicated in the main text were used as exceptions.

2. Test stems

<u>Table S.2</u>

<u>Test stems.</u>

Old	Hold-out	Exception
breɪ	dwɪnt	gɑ[a]
ki	eft	kweɪb[a]
kræs	el	prəʊ[a,b]
krʊg	flɔʃt	smi[a,b]
kwɑ	hɪʃt	
mæ	ɪlt	
pʊ	ɪʃ	
swəʊp	ɔlʃ	
	ɔn	
	ʃeld	
	ʃluft	
	ʃnelf	
	uf	
	und	
	vɔnt	
	ʒulf	

[a] Used as "old" stems in Experiment 1.

[b] Not an exception in Experiments 5, 7 and 8.

3. Detailed results of between-experiment comparisons using mixed effect models

Table S.3.1

Results of a mixed effects model comparing the results of Experiments 1 and 2.
Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	2.96	0.55	5.34	<.0001
Test type=old	0.16	0.43	0.36	0.716
Experiment=Exp 2	**-1.45**	**0.59**	**-2.48**	**0.013**
Language=suffix	0.25	0.56	0.46	0.65
Test type=old × Experiment=Exp 2	-0.12	0.46	-0.27	0.79
Test type=old × Language=suffix	0.0550	0.0552	-0.0289	0.1407

Table S.3.2

Results of a mixed effects model comparing the results of Experiments 2 to 4. In this analysis, the token frequency of the exceptions is used as a predictor. Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	-0.36	0.27	-1.35	0.179
Test type=old	0.09	0.26	0.36	0.720
Test type=except.	**1.49**	**0.34**	**4.38**	**<.0001**
ln[token fr. (except)]	**-0.72**	**0.18**	**-4.02**	**<.0001**
Language=suffix	0.26	0.24	1.09	0.276
Test type=old × ln[token fr. (except)]	-0.04	0.19	-0.23	0.818
Test type=except. × ln[token fr. (except)]	**1.71**	**0.23**	**7.33**	**<.0001**
Test type=old × Language=suffix	0.11	0.24	0.46	0.644
Test type=except. × Language=suffix	0.07	0.31	0.24	0.810

Table S.3.3

Results of a mixed effects model comparing the results of Experiments 4 and 5. This analysis combines the data from Experiment 4 and 5 and their respective replications. Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	-0.26	0.21	-1.25	0.212
Test type=old	0.29	0.18	1.58	0.115
Test type=except.	**1.50**	**0.26**	**5.84**	**<.0001**
Experiment=Exp 5	**0.978**	**0.24**	**4.05**	**<.0001**
Language=suffix	**0.83**	**0.24**	**3.42**	**0.0006**
Test type=old × Experiment=Exp 5	-0.01	0.22	-0.04	0.969
Test type=except.× Experiment=Exp 5	**-0.84**	**0.29**	**-2.94**	**0.0033**
Test type=old × Language=suffix	-0.19	0.22	-0.88	0.380
Test type=except.× Language=suffix	**-1.15**	**0.29**	**-4.01**	**<.0001**

Table S.3.4

Results of a mixed effects model comparing the results of Experiments 4 and 6. This analysis combines the data from Experiment 4 and its replication. Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	0.22	0.20	-1.09	0.278
Test type=old	0.28	0.19	1.50	0.134
Test type=except.	**1.17**	**0.26**	**4.49**	**<.0001**
Experiment=Exp 6	-0.34	0.25	-1.35	0.178
Language=suffix	**0.78**	**0.26**	**3.03**	**0.002**
Test type=old × Experiment=Exp 6	0.23	0.26	0.89	0.374
Test type=except. × Experiment=Exp 6	0.06	0.35	0.18	0.859
Test type=old × Language=suffix	-0.18	0.24	-0.76	0.445
Test type=except. × Language=suffix	-0.53	0.33	-1.59	0.112

Table S.3.5

Results of a mixed effects model comparing the results of Experiments 5 and 6. This analysis combines the data from Experiment 5 and its replication. Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	0.75	0.25	3.04	0.0024
Test type=old	0.28	0.19	1.43	0.152
Test type=except.	**0.54**	**0.26**	**2.10**	**0.036**
Experiment=Exp 6	**-1.17**	**0.35**	**-3.38**	**0.0007**
Language=suffix	**0.63**	**0.32**	**2.0**	**0.0465**
Test type=old × Experiment=Exp 6	0.25	0.27	0.93	0.354
Test type=except. × Experiment=Exp 6	**0.77**	**0.35**	**2.17**	**0.030**
Test type=old × Language=suffix	-0.18	0.25	-0.70	0.481
Test type=except. × Language=suffix	-0.63	0.33	-1.91	0.056

Table S.3.6

Results of a mixed effects model comparing the results of Experiments 7 and 8.

Significant predictors are shown in bold face.

Predictor	Estimate	Std. Error	Z	p
(Intercept)	0.67	0.36	1.84	0.066
Test type=old	0.14	0.29	0.50	0.617
Test type=except.	0.11	0.36	0.30	0.762
Experiment=Exp 8	**1.14**	**0.43**	**2.64**	**0.008**
Language=suffix	0.63	0.43	1.48	0.139
Test type=old × Experiment=Exp 8	**-0.97**	**0.36**	**-2.70**	**0.007**
Test type=except. × Experiment=Exp 8	**-1.44**	**0.43**	**-3.36**	**0.0008**
Test type=old × Language=suffix	0.47	0.36	1.30	0.194
Test type=except. × Language=suffix	-0.20	0.43	-0.46	0.644