

## Supplementary Materials

### Additional statistics from analyses reported in Studies 1-3

#### Study 1

Parameter statistics for each modality of perceptual strength as a predictor of sensory experience ratings (SER) across the full scale.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	1.993	.203		9.811	.000	1.594	2.392					
	AuditoryStrength	.030	.034	.037	.878	.381	-.037	.098	-.023	.037	.035	.873	1.146
	GustatoryStrength	.086	.057	.087	1.499	.134	-.027	.198	.235	.064	.060	.474	2.110
	HapticStrength	.022	.035	.029	.633	.527	-.046	.090	.155	.027	.025	.756	1.322
	OlfactoryStrength	.238	.061	.224	3.888	.000	.118	.358	.316	.164	.155	.476	2.101
	VisualStrength	.197	.053	.174	3.747	.000	.094	.301	.205	.158	.149	.740	1.352

Zero-order correlations for high-SER (n = 278) and low-SER (n = 278) samples.

SER_medianSplit		SER	AuditoryStrength	GustatoryStrength	HapticStrength	OlfactoryStrength	VisualStrength
high	SER	1.000	-.046	.180	-.021	.266	.028
	AuditoryStrength	-.046	1.000	-.187	-.247	-.063	-.250
	GustatoryStrength	.180	-.187	1.000	.133	.665	-.181
	HapticStrength	-.021	-.247	.133	1.000	.157	.253

low	OlfactoryStrength	.266	-.063	.665	.157	1.000	.074
	VisualStrength	.028	-.250	-.181	.253	.074	1.000
	SER	1.000	.024	.020	.108	.098	.133
	AuditoryStrength	.024	1.000	.105	-.328	.123	-.242
	GustatoryStrength	.020	.105	1.000	.207	.723	.084
	HapticStrength	.108	-.328	.207	1.000	.225	.594
	OlfactoryStrength	.098	.123	.723	.225	1.000	.160
	VisualStrength	.133	-.242	.084	.594	.160	1.000

Parameter statistics for each modality of perceptual strength as a predictor of sensory experience ratings (SER) at the high-SER (n = 278) and low-SER (n = 276) ends of the scale.

Model	SER_medianSplit		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
			B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	high	(Constant)	3.731	.231		16.181	.000	3.277	4.185					
		AuditoryStrength	-.022	.033	-.042	-.663	.508	-.087	.043	-.046	-.040	-.039	.832	1.202
		GustatoryStrength	.004	.049	.007	.081	.935	-.093	.101	.180	.005	.005	.458	2.184
		HapticStrength	-.040	.031	-.079	-1.270	.205	-.101	.022	-.021	-.077	-.074	.879	1.138
		OlfactoryStrength	.175	.053	.269	3.272	.001	.070	.280	.266	.195	.191	.501	1.996
		VisualStrength	.015	.053	.019	.286	.775	-.090	.120	.028	.017	.017	.767	1.304
	low	(Constant)	1.957	.126		15.496	.000	1.709	2.206					
		AuditoryStrength	.024	.025	.062	.958	.339	-.025	.073	.024	.058	.057	.845	1.183

	GustatoryStrength	-.071	.057	-.109	-1.248	.213	-.182	.041	.020	-.076	-.075	.469	2.134
	HapticStrength	.022	.028	.062	.780	.436	-.033	.077	.108	.047	.047	.574	1.741
	OlfactoryStrength	.085	.053	.140	1.583	.115	-.021	.190	.098	.096	.095	.459	2.178
	VisualStrength	.049	.038	.098	1.309	.192	-.025	.123	.133	.079	.078	.636	1.571

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## Study 2

Parameter statistics for each dominance-ordered modality of perceptual strength as a predictor of sensory experience ratings (SER) across the full scale, across hierarchical steps 1-5 of modality entry.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	.920	.199		4.634	.000	.530	1.310					
	MaxPerceptualStrength	.548	.051	.419	10.839	.000	.449	.648	.419	.419	.419	1.000	1.000
2	(Constant)	.911	.201		4.543	.000	.517	1.305					
	MaxPerceptualStrength	.541	.055	.413	9.834	.000	.433	.649	.419	.386	.380	.848	1.180
	SecondMaxPerceptualStrength	.015	.041	.015	.351	.726	-.067	.096	.176	.015	.014	.848	1.180
3	(Constant)	.848	.198		4.292	.000	.460	1.237					
	MaxPerceptualStrength	.551	.054	.421	10.188	.000	.445	.658	.419	.398	.387	.846	1.182
	SecondMaxPerceptualStrength	-.087	.047	-.088	-1.866	.063	-.179	.005	.176	-.079	-.071	.647	1.545
	ThirdMaxPerceptualStrength	.222	.049	.198	4.480	.000	.124	.319	.222	.188	.170	.743	1.345
4	(Constant)	.895	.199		4.505	.000	.505	1.286					
	MaxPerceptualStrength	.545	.054	.417	10.081	.000	.439	.652	.419	.395	.382	.843	1.186
	SecondMaxPerceptualStrength	-.090	.047	-.091	-1.929	.054	-.181	.002	.176	-.082	-.073	.647	1.547

	ThirdMaxPerceptual Strength	.133	.068	.119	1.951	.052	-.001	.267	.222	.083	.074	.389	2.572
	FourthMaxPerceptual Strength	.153	.082	.108	1.876	.061	-.007	.314	.231	.080	.071	.434	2.303
5	(Constant)	.979	.200		4.887	.000	.586	1.373					
	MaxPerceptualStrength	.527	.054	.403	9.710	.000	.420	.634	.419	.383	.366	.829	1.207
	SecondMaxPerceptualStrength	-.096	.046	-.097	-2.063	.040	-.187	-.005	.176	-.088	-.078	.645	1.550
	ThirdMaxPerceptual Strength	.131	.068	.117	1.932	.054	-.002	.265	.222	.082	.073	.389	2.573
	FourthMaxPerceptual Strength	.329	.106	.231	3.109	.002	.121	.537	.231	.132	.117	.257	3.891
	FifthMaxPerceptual Strength	-.341	.131	-.154	-2.596	.010	-.599	-.083	.076	-.110	-.098	.406	2.462

Zero-order correlations for high-SER (n = 278) and low-SER (n = 278) samples.

SER_medianSplit		SER	MaxPerceptual Strength	SecondMaxPerceptualStrength	ThirdMaxPerceptualStrength	FourthMaxPerceptualStrength	FifthMaxPerceptualStrength
high	SER	1.000	.227	-.017	.146	.171	.102
	MaxPerceptualStrength	.227	1.000	.150	.042	.125	.023
	SecondMaxPerceptualStrength	-.017	.150	1.000	.560	.451	.269
	ThirdMaxPerceptualStrength	.146	.042	.560	1.000	.776	.561
	FourthMaxPerceptualStrength	.171	.125	.451	.776	1.000	.701

	FifthMaxPerceptualStrength	.102	.023	.269	.561	.701	1.000
low	SER	1.000	.141	.124	.064	.087	.058
	MaxPerceptualStrength	.141	1.000	.558	.172	.100	.013
	SecondMaxPerceptualStrength	.124	.558	1.000	.360	.291	.231
	ThirdMaxPerceptualStrength	.064	.172	.360	1.000	.678	.590
	FourthMaxPerceptualStrength	.087	.100	.291	.678	1.000	.881
	FifthMaxPerceptualStrength	.058	.013	.231	.590	.881	1.000

Parameter statistics for each dominance-ordered modality of perceptual strength as a predictor of sensory experience ratings (SER) at the high-SER (n = 278) and low-SER (n = 276) ends of the scale.

Mod el	SER_medianSplit		Unstandardized		Stand ardize d	t	Sig.	95.0% Confidence					Collinearity	
			Coefficients	Coeffi cients	Interval for B			Statistics						
			B	Std. Error	Beta			Lower Bound	Upper Bound	Zero- order	Partial	Part	Tolera nce	VIF
1	high	(Constant)	2.837	.290		9.766	.000	2.265	3.409					
		MaxPerceptualStre ngth	.268	.068	.234	3.962	.000	.135	.401	.227	.234	.228	.950	1.053
		SecondMaxPercept ualStrength	-.125	.046	-.191	-2.705	.007	-.217	-.034	-.017	-.162	-.156	.666	1.502

		ThirdMaxPerceptual Strength	.118	.070	.168	1.690	.092	-.019	.255	.146	.102	.097	.335	2.982
		FourthMaxPerceptualStrength	.107	.099	.117	1.087	.278	-.087	.302	.171	.066	.063	.286	3.500
		FifthMaxPerceptual Strength	-.047	.134	-.029	-.352	.725	-.311	.217	.102	-.021	-.020	.500	2.000
	low	(Constant)	1.952	.120		16.273	.000	1.716	2.188					
		MaxPerceptualStrength	.057	.040	.106	1.446	.149	-.021	.135	.141	.088	.087	.668	1.496
		SecondMaxPerceptualStrength	.024	.036	.051	.658	.511	-.047	.094	.124	.040	.039	.611	1.638
		ThirdMaxPerceptual Strength	-.015	.049	-.026	-.313	.754	-.113	.082	.064	-.019	-.019	.512	1.955
		FourthMaxPerceptualStrength	.082	.098	.117	.832	.406	-.112	.276	.087	.051	.050	.183	5.451
		FifthMaxPerceptual Strength	-.038	.114	-.042	-.330	.741	-.263	.187	.058	-.020	-.020	.218	4.583

### Study 3

#### Ellexicon Data

Zero-order correlations for Ellexicon regressions (N = 546).

	LD_RT	LD_zRT	LD_Accuracy	Length	Ortho_Neighbourhood	Phono_Neighbourhood	LgSUBTLWF	maxPerceptualStrength	interaction_maxPerceptualStrength_LgSUBTLWF	SER	interaction_SER_LgSUBTLWF
LD_RT	1	.920	-.544	.237	-.187	-.162	-.583	-.198	.048	-.094	.019
LD_zRT	.920	1	-.646	.239	-.212	-.164	-.651	-.184	.101	-.067	.074
LD_Accuracy	-.544	-.646	1	.032	.043	-.023	.475	.169	-.215	.162	-.200
Length	.237	.239	.032	1	-.706	-.630	-.150	-.055	-.004	.173	-.024
Ortho_Neighbourhood	-.187	-.212	.043	-.706	1	.727	.195	.024	-.047	-.186	-.043
Phono_Neighbourhood	-.162	-.164	-.023	-.630	.727	1	.164	-.015	.017	-.182	.029
LgSUBTLWF	-.583	-.651	.475	-.150	.195	.164	1	.101	-.050	.021	-.105
maxPerceptualStrength	-.198	-.184	.169	-.055	.024	-.015	.101	1	.068	.425	.018
interaction_maxPerceptualStrength_LgSUBTLWF	.048	.101	-.215	-.004	-.047	.017	-.050	.068	1	.017	.438
SER	-.094	-.067	.162	.173	-.186	-.182	.021	.425	.017	1	-.024
interaction_SER_LgSUBTLWF	.019	.074	-.200	-.024	-.043	.029	-.105	.018	.438	-.024	1

Perceptual strength model comparisons per hierarchical step 1-3 in regressions of Ellexicon lexical decision RT data.



### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.604 <sup>a</sup>	.365	.360	51.61395	.365	77.688	4	541	.000
2	.618 <sup>b</sup>	.382	.377	50.94922	.017	15.209	1	540	.000
3	.619 <sup>c</sup>	.383	.376	50.95263	.001	.928	1	539	.336

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of Elexicon lexical decision RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	577.820	16.007		36.099	.000	546.377	609.263					
	Length	9.962	2.601	.189	3.829	.000	4.852	15.072	.237	.163	.130	.470	2.126
	Ortho_Neighbourhood	.584	.584	.056	1.000	.318	-.563	1.731	-.187	.043	.034	.364	2.748
	Phono_Neighbourhood	.019	.240	.004	.077	.938	-.453	.490	-.162	.003	.003	.440	2.273
	LgSUBTLWF	-44.265	2.790	-.551	-15.868	.000	-49.745	-38.786	-.583	-.564	-.537	.949	1.054
	maxPerceptualStrength	-11.557	2.917	-.136	-3.961	.000	-17.288	-5.825	-.198	-.168	-.134	.977	1.023

	interaction_maxPerceptualStrength_LgSUBTLWF	3.369	3.498	.033	.963	.336	-3.502	10.240	.048	.041	.033	.983	1.017
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Perceptual strength model comparisons per hierarchical step 1-3 in regressions of Elexicon lexical decision standardized RT data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.668 <sup>a</sup>	.446	.442	.16829	.446	108.866	4	541	.000
2	.677 <sup>b</sup>	.458	.453	.16657	.012	12.226	1	540	.001
3	.681 <sup>c</sup>	.464	.458	.16578	.006	6.163	1	539	.013

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of Elexicon lexical decision standardized RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	-.714	.052		-13.709	.000	-.816	-.612					
	Length	.031	.008	.169	3.674	.000	.014	.048	.239	.156	.116	.470	2.126

Ortho_Neighbourhood	.000	.002	.011	.202	.840	-.003	.004	-.212	.009	.006	.364	2.748
Phono_Neighbourhood	.001	.001	.033	.692	.489	-.001	.002	-.164	.030	.022	.440	2.273
LgSUBTLWF	-.173	.009	-.617	-19.075	.000	-.191	-.155	-.651	-.635	-.601	.949	1.054
maxPerceptualStrength	-.035	.009	-.118	-3.690	.000	-.054	-.016	-.184	-.157	-.116	.977	1.023
interaction_maxPerceptualStrength_LgSUBTLWF	.028	.011	.079	2.483	.013	.006	.051	.101	.106	.078	.983	1.017

Perceptual strength model comparisons per hierarchical step 1-3 in regressions of Elexicon lexical decision accuracy data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.493 <sup>a</sup>	.243	.237	.07031	.243	43.327	4	541	.000
2	.508 <sup>b</sup>	.258	.251	.06968	.015	10.954	1	540	.001
3	.543 <sup>c</sup>	.295	.287	.06795	.038	28.777	1	539	.000

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of Elexicon lexical decision standardized accuracy data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	.918	.021		43.021	.000	.876	.960					
	Length	.007	.003	.114	2.157	.031	.001	.014	.032	.093	.078	.470	2.126
	Ortho_Neighbourhood	.001	.001	.076	1.270	.205	-.001	.003	.043	.055	.046	.364	2.748
	Phono_Neighbourhood	.000	.000	-.078	-1.423	.155	-.001	.000	-.023	-.061	-.051	.440	2.273
	LgSUBTLWF	.047	.004	.466	12.550	.000	.039	.054	.475	.476	.454	.949	1.054
	maxPerceptualStrength	.015	.004	.139	3.789	.000	.007	.022	.169	.161	.137	.977	1.023
	interaction_maxPerceptualStrength_LgSUBTLWF	-.025	.005	-.196	-5.364	.000	-.034	-.016	-.215	-.225	-.194	.983	1.017

SER model comparisons per hierarchical step 1-5 in regressions of Elexicon lexical decision RT data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.604 <sup>a</sup>	.365	.360	51.61395	.365	77.688	4	541	.000

2	.613 <sup>b</sup>	.376	.370	51.19865	.011	9.812	1	540	.002
3	.614 <sup>c</sup>	.377	.371	51.19335	.001	1.112	1	539	.292
4	.621 <sup>d</sup>	.386	.378	50.87973	.009	7.665	1	538	.006
5	.623 <sup>e</sup>	.389	.380	50.82232	.003	2.216	1	537	.137

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of Elexicon lexical decision RT data.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	574.614	16.057		35.785	.000	543.071	606.157					
	Length	10.772	2.614	.204	4.121	.000	5.637	15.906	.237	.175	.140	.470	2.126
	Ortho_Neighbourhood	.359	.588	.034	.610	.542	-.797	1.514	-.187	.026	.021	.362	2.762
	Phono_Neighbourhood	.071	.241	.015	.294	.769	-.403	.544	-.162	.013	.010	.440	2.272
	LgSUBTLWF	-45.236	2.805	-.563	-16.127	.000	-50.746	-39.726	-.583	-.571	-.548	.947	1.056
	SER	-7.136	2.264	-.110	-3.151	.002	-11.584	-2.688	-.094	-.134	-.107	.955	1.047

	interaction_SER_LgSUBTLWF	-2.963	2.810	-.036	-1.054	.292	-8.484	2.557	.019	-.045	-.036	.976	1.024
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Parameter statistics in unique effect (Step 5) SER model of Elexicon lexical decision RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	577.599	15.995		36.112	.000	546.179	609.019					
	Length	10.126	2.606	.192	3.885	.000	5.006	15.246	.237	.165	.131	.466	2.145
	Ortho_Neighbourhood	.463	.585	.044	.791	.430	-.687	1.612	-.187	.034	.027	.361	2.773
	Phono_Neighbourhood	.024	.240	.005	.101	.919	-.447	.495	-.162	.004	.003	.438	2.281
	LgSUBTLWF	-44.556	2.795	-.555	-15.944	.000	-50.045	-39.066	-.583	-.567	-.538	.941	1.063
	SER	-4.095	2.500	-.063	-1.638	.102	-9.006	.817	-.094	-.070	-.055	.772	1.296
	interaction_SER_LgSUBTLWF	-4.615	3.091	-.056	-1.493	.136	-10.688	1.458	.019	-.064	-.050	.795	1.257
	maxPerceptualStrength	-9.254	3.235	-.109	-2.860	.004	-15.610	-2.899	-.198	-.123	-.097	.791	1.265
	interaction_maxPerceptualStrength_LgSUBTLWF	5.751	3.863	.056	1.489	.137	-1.838	13.339	.048	.064	.050	.802	1.247

SER model comparisons per hierarchical step 1-5 in regressions of Elexicon lexical decision standardized RT data.

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.668 <sup>a</sup>	.446	.442	.16829	.446	108.866	4	541	.000
2	.672 <sup>b</sup>	.452	.447	.16753	.006	5.902	1	540	.015
3	.672 <sup>c</sup>	.452	.446	.16767	.000	.079	1	539	.779
4	.678 <sup>d</sup>	.459	.452	.16669	.007	7.357	1	538	.007
5	.683 <sup>e</sup>	.466	.458	.16586	.006	6.451	1	537	.011

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of Elexicon lexical decision standardized RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	-.723	.053		-13.750	.000	-.826	-.620					

	Length	.034	.009	.182	3.914	.000	.017	.050	.239	.166	.125	.470	2.126
	Ortho_Neighbourhood	.000	.002	-.008	-.143	.886	-.004	.004	-.212	-.006	-.005	.362	2.762
	Phono_Neighbourhood	.001	.001	.044	.924	.356	-.001	.002	-.164	.040	.029	.440	2.272
	LgSUBTLWF	-.176	.009	-.627	- 19.137	.000	-.194	-.158	-.651	-.636	-.610	.947	1.056
	SER	-.018	.007	-.079	-2.422	.016	-.033	-.003	-.067	-.104	-.077	.955	1.047
	interaction_SER_ LgSUBTLWF	.003	.009	.009	.281	.779	-.015	.021	.074	.012	.009	.976	1.024

Parameter statistics in unique effect (Step 5) SER model of Elexicon lexical decision standardized RT data.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	-.715	.052		-13.694	.000	-.817	-.612					
	Length	.031	.009	.171	3.703	.000	.015	.048	.239	.158	.117	.466	2.145
	Ortho_Neighbourhood	.000	.002	.005	.086	.931	-.004	.004	-.212	.004	.003	.361	2.773
	Phono_Neighbourhood	.001	.001	.033	.696	.487	-.001	.002	-.164	.030	.022	.438	2.281
	LgSUBTLWF	-.174	.009	-.619	-19.030	.000	-.191	-.156	-.651	-.635	-.600	.941	1.063
	SER	-.008	.008	-.036	-1.003	.316	-.024	.008	-.067	-.043	-.032	.772	1.296



	interaction_SER_ LgSUBTLWF	-.007	.010	-.026	-.731	.465	-.027	.012	.074	-.032	-.023	.795	1.257
	maxPerceptualStr ength	-.030	.011	-.102	-2.882	.004	-.051	-.010	-.184	-.123	-.091		1.265
	interaction_maxP erceptualStrength _LgSUBTLWF	.032	.013	.089	2.540	.011	.007	.057	.101	.109	.080	.802	1.247

SER model comparisons per hierarchical step 1-5 in regressions of Elexicon lexical decision accuracy data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.493 <sup>a</sup>	.243	.237	.07031	.243	43.327	4	541	.000
2	.511 <sup>b</sup>	.261	.254	.06952	.018	13.442	1	540	.000
3	.529 <sup>c</sup>	.280	.272	.06869	.019	14.085	1	539	.000
4	.534 <sup>d</sup>	.286	.276	.06848	.006	4.387	1	538	.037
5	.554 <sup>e</sup>	.307	.297	.06750	.021	16.630	1	537	.000

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of Elexicon lexical decision standardized accuracy data.

		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
Model		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	.924	.022		42.880	.000	.882	.966					
	Length	.006	.004	.090	1.686	.092	-.001	.013	.032	.072	.062	.470	2.126
	Ortho_Neighbourhood	.001	.001	.095	1.569	.117	.000	.003	.043	.067	.057	.362	2.762
	Phono_Neighbourhood	.000	.000	-.083	-1.512	.131	-.001	.000	-.023	-.065	-.055	.440	2.272
	LgSUBTLWF	.047	.004	.466	12.403	.000	.039	.054	.475	.471	.453	.947	1.056
	SER	.011	.003	.136	3.642	.000	.005	.017	.162	.155	.133	.955	1.047
	interaction_SER_LgSUBTLWF	-.014	.004	-.139	-3.753	.000	-.022	-.007	-.200	-.160	-.137	.976	1.024

Parameter statistics in unique effect (Step 5) SER model of Elexicon lexical decision standardized accuracy data.

		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
Model		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	.922	.021		43.409	.000	.880	.964					
	Length	.006	.003	.099	1.877	.061	.000	.013	.032	.081	.067	.466	2.145

Ortho_Neighbourhood	.001	.001	.078	1.305	.192	-.001	.003	.043	.056	.047	.361	2.773
Phono_Neighbourhood	.000	.000	-.069	-1.263	.207	-.001	.000	-.023	-.054	-.045	.438	2.281
LgSUBTLWF	.046	.004	.458	12.369	.000	.039	.053	.475	.471	.444	.941	1.063
SER	.008	.003	.098	2.394	.017	.001	.014	.162	.103	.086	.772	1.296
interaction_SER_LgSUBTLWF	-.007	.004	-.072	-1.777	.076	-.015	.001	-.200	-.076	-.064	.795	1.257
maxPerceptualStrength	.010	.004	.096	2.379	.018	.002	.019	.169	.102	.085	.791	1.265
interaction_maxPerceptualStrength_LgSUBTLWF	-.021	.005	-.164	-4.078	.000	-.031	-.011	-.215	-.173	-.146	.802	1.247

## BLP Data

Zero-order correlations for BLP regressions (N = 546).

	BLP_RT	BLP_zRT	BLP_Acc	Length	Ortho_Neighbourhood	Phono_Neighbourhood	LgSUBTLWF	maxPerceptualStrength	interaction_maxPerceptualStrength_LgSUBTLWF	SER	interaction_SER_LgSUBTLWF
BLP_RT	1	.966**	-.673**	.135**	-.137**	-.048	-.671**	-.192**	.095*	-.049	.063
BLP_zRT	.966**	1	-.699**	.132**	-.130**	-.036	-.676**	-.214**	.103*	-.067	.069
BLP_Acc	-.673**	-.699**	1	.116**	-.027	-.123**	.461**	.136**	-.188**	.139**	-.127**
Length	.135**	.132**	.116**	1	-.704**	-.633**	-.142**	-.052	-.010	.174**	-.048
Ortho_Neighbourhood	-.137**	-.130**	-.027	-.704**	1	.724**	.195**	.018	-.054	-.180**	-.039
Phono_Neighbourhood	-.048	-.036	-.123**	-.633**	.724**	1	.152**	-.011	.022	-.175**	.055
LgSUBTLWF	-.671**	-.676**	.461**	-.142**	.195**	.152**	1	.094*	-.079	.018	-.074
maxPerceptualStrength	-.192**	-.214**	.136**	-.052	.018	-.011	.094*	1	.051	.424**	.019
interaction_maxPerceptualStrength_LgSUBTLWF	.095*	.103*	-.188**	-.010	-.054	.022	-.079	.051	1	.017	.459**
SER	-.049	-.067	.139**	.174**	-.180**	-.175**	.018	.424**	.017	1	-.024
interaction_SER_LgSUBTLWF	.063	.069	-.127**	-.048	-.039	.055	-.074	.019	.459**	-.024	1

Perceptual strength model comparisons per hierarchical step 1-3 in regressions of BLP lexical decision RT data.

### Model Summary

Model	R	R Square	Adjusted R	Std. Error of the	Change Statistics
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			Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.463	.459	37.22183	.463	111.327	4	516	.000
2	.691 <sup>b</sup>	.478	.473	36.73631	.015	14.729	1	515	.000
3	.693 <sup>c</sup>	.480	.474	36.69932	.002	2.039	1	514	.154

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of BLP lexical decision RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
Model		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	534.812	11.705		45.691	.000	511.817	557.808					
	Length	3.994	1.901	.097	2.101	.036	.259	7.729	.135	.092	.067	.470	2.127
	Ortho_Neighbourhood	-.274	.427	-.034	-.642	.521	-1.114	.565	-.137	-.028	-.020	.367	2.728
	Phono_Neighbourhood	.495	.175	.135	2.828	.005	.151	.839	-.048	.124	.090	.441	2.267
	LgSUBTLWF	-41.904	2.086	-.656	-20.086	.000	-46.002	-37.805	-.671	-.663	-.639	.948	1.055
	maxPerceptualStrength	-8.397	2.142	-.126	-3.920	.000	-12.605	-4.189	-.192	-.170	-.125	.982	1.018

	interaction_maxPerceptualStrength_LgSUBTLWF	3.751	2.627	.046	1.428	.154	-1.410	8.911	.095	.063	.045	.979	1.022
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Perceptual strength model comparisons per hierarchical step 1-3 in regressions of BLP lexical decision standardized RT data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.687 <sup>a</sup>	.472	.468	.23057	.472	115.193	4	516	.000
2	.702 <sup>b</sup>	.492	.487	.22628	.020	20.744	1	515	.000
3	.704 <sup>c</sup>	.495	.489	.22585	.003	2.959	1	514	.086

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of BLP lexical decision standardized RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	-.644	.072		-8.938	.000	-.785	-.502					
	Length	.026	.012	.103	2.259	.024	.003	.049	.132	.099	.071	.470	2.127

Ortho_Neighbourhood	-.002	.003	-.032	-.624	.533	-.007	.004	-.130	-.027	-.020	.367	2.728
Phono_Neighbourhood	.003	.001	.150	3.186	.002	.001	.006	-.036	.139	.100	.441	2.267
LgSUBTLWF	-.263	.013	-.659	-20.484	.000	-.288	-.238	-.676	-.670	-.642	.948	1.055
maxPerceptualStrength	-.061	.013	-.147	-4.658	.000	-.087	-.036	-.214	-.201	-.146	.982	1.018
interaction_maxPerceptualStrength_LgSUBTLWF	.028	.016	.054	1.720	.086	-.004	.060	.103	.076	.054	.979	1.022

Perceptual strength model comparisons per hierarchical step 1-3 in regressions of BLP lexical decision accuracy data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.512 <sup>a</sup>	.262	.256	.06891	.262	45.836	4	516	.000
2	.521 <sup>b</sup>	.271	.264	.06856	.009	6.291	1	515	.012
3	.540 <sup>c</sup>	.292	.284	.06765	.021	15.066	1	514	.000

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) perceptual strength model of BLP lexical decision standardized accuracy data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	.917	.022		42.520	.000	.875	.960					
	Length	.010	.004	.151	2.785	.006	.003	.017	.116	.122	.103	.470	2.127
	Ortho_Neighbourhood	.001	.001	.100	1.624	.105	.000	.003	-.027	.071	.060	.367	2.728
	Phono_Neighbourhood	-.001	.000	-.167	-2.988	.003	-.002	.000	-.123	-.131	-.111	.441	2.267
	LgSUBTLWF	.047	.004	.467	12.238	.000	.040	.055	.461	.475	.454	.948	1.055
	maxPerceptualStrength	.011	.004	.104	2.769	.006	.003	.019	.136	.121	.103	.982	1.018
	interaction_maxPerceptualStrength_LgSUBTLWF	-.019	.005	-.146	-3.881	.000	-.028	-.009	-.188	-.169	-.144	.979	1.022

SER model comparisons per hierarchical step 1-5 in regressions of BLP lexical decision RT data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.463	.459	37.22183	.463	111.327	4	516	.000
2	.682 <sup>b</sup>	.465	.459	37.20884	.001	1.360	1	515	.244



3	.682 <sup>c</sup>	.465	.458	37.24257	.000	.068	1	514	.795
4	.692 <sup>d</sup>	.479	.472	36.79157	.014	13.679	1	513	.000
5	.693 <sup>e</sup>	.481	.472	36.75721	.002	1.959	1	512	.162

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of BLP lexical decision RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	532.218	11.869		44.842	.000	508.901	555.535					
	Length	4.517	1.932	.110	2.338	.020	.721	8.312	.135	.103	.075	.469	2.133
	Ortho_Neighbourhood	-.337	.436	-.041	-.774	.439	-1.193	.519	-.137	-.034	-.025	.363	2.752
	Phono_Neighbourhood	.534	.178	.146	3.004	.003	.185	.884	-.048	.131	.097	.440	2.275
	LgSUBTLWF	-42.699	2.110	-.669	-20.236	.000	-46.845	-38.554	-.671	-.666	-.653	.954	1.048
	SER	-1.949	1.679	-.038	-1.161	.246	-5.247	1.349	-.049	-.051	-.037	.957	1.044
	interaction_SER_LgSUBTLWF	.542	2.087	.009	.260	.795	-3.557	4.642	.063	.011	.008	.973	1.028

Parameter statistics in unique effect (Step 5) SER model of BLP lexical decision RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	535.317	11.755		45.539	.000	512.222	558.411					
	Length	3.867	1.916	.094	2.019	.044	.104	7.630	.135	.089	.064	.465	2.153
	Ortho_Neighbourhood	-.272	.431	-.033	-.632	.528	-1.118	.574	-.137	-.028	-.020	.362	2.761
	Phono_Neighbourhood	.501	.176	.137	2.852	.005	.156	.847	-.048	.125	.091	.438	2.281
	LgSUBTLWF	-41.947	2.092	-.657	-20.054	.000	-46.056	-37.838	-.671	-.663	-.639	.946	1.057
	SER	1.007	1.841	.020	.547	.585	-2.611	4.624	-.049	.024	.017	.775	1.290
	interaction_SER_LgSUBTLWF	-.626	2.304	-.010	-.272	.786	-5.153	3.901	.063	-.012	-.009	.777	1.287
	maxPerceptualStrength	-8.965	2.384	-.134	-3.761	.000	-13.648	-4.283	-.192	-.164	-.120	.796	1.257
	interaction_maxPerceptualStrength_LgSUBTLWF	4.118	2.942	.050	1.400	.162	-1.662	9.898	.095	.062	.045	.783	1.278

SER model comparisons per hierarchical step 1-5 in regressions of BLP lexical decision standardized RT data.

### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.687 <sup>a</sup>	.472	.468	.23057	.472	115.193	4	516	.000
2	.689 <sup>b</sup>	.475	.469	.23017	.003	2.793	1	515	.095
3	.689 <sup>c</sup>	.475	.469	.23036	.000	.160	1	514	.689
4	.702 <sup>d</sup>	.493	.486	.22663	.018	18.048	1	513	.000
5	.704 <sup>e</sup>	.495	.487	.22626	.003	2.695	1	512	.101

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of BLP lexical decision standardized RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	-.664	.073		-9.039	.000	-.808	-.519					
	Length	.031	.012	.119	2.553	.011	.007	.054	.132	.112	.082	.469	2.133
	Ortho_Neighbourhood	-.002	.003	-.042	-.785	.433	-.007	.003	-.130	-.035	-.025	.363	2.752

	Phono_Neighbourhood	.004	.001	.162	3.358	.001	.002	.006	-.036	.147	.107	.440	2.275
	LgSUBTLWF	-.269	.013	-.673	-20.574	.000	-.294	-.243	-.676	-.672	-.658	.954	1.048
	SER	-.017	.010	-.054	-1.663	.097	-.038	.003	-.067	-.073	-.053	.957	1.044
	interaction_SER_LgSUBTLWF	.005	.013	.013	.401	.689	-.020	.031	.069	.018	.013	.973	1.028

Parameter statistics in unique effect (Step 5) SER model of BLP lexical decision standardized RT data.

		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	-.642	.072		-8.869	.000	-.784	-.500					
	Length	.026	.012	.101	2.197	.028	.003	.049	.132	.097	.069	.465	2.153
	Ortho_Neighbourhood	-.002	.003	-.032	-.623	.534	-.007	.004	-.130	-.028	-.020	.362	2.761
	Phono_Neighbourhood	.003	.001	.152	3.198	.001	.001	.006	-.036	.140	.100	.438	2.281
	LgSUBTLWF	-.263	.013	-.660	-20.442	.000	-.288	-.238	-.676	-.670	-.642	.946	1.057
	SER	.004	.011	.011	.321	.748	-.019	.026	-.067	.014	.010	.775	1.290
	interaction_SER_LgSUBTLWF	-.003	.014	-.008	-.233	.816	-.031	.025	.069	-.010	-.007	.777	1.287

maxPerceptualStrength	-.063	.015	-.152	-4.325	.000	-.092	-.035	-.214	-.188	-.136	.796	1.257
interaction_maxPerceptualStrength_LgSUBTLWF	.030	.018	.058	1.642	.101	-.006	.065	.103	.072	.052	.783	1.278

SER model comparisons per hierarchical step 1-5 in regressions of BLP lexical decision accuracy data.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.512 <sup>a</sup>	.262	.256	.06891	.262	45.836	4	516	.000
2	.521 <sup>b</sup>	.271	.264	.06856	.009	6.327	1	515	.012
3	.525 <sup>c</sup>	.276	.267	.06841	.005	3.289	1	514	.070
4	.529 <sup>d</sup>	.280	.270	.06830	.004	2.695	1	513	.101
5	.543 <sup>e</sup>	.295	.284	.06761	.016	11.444	1	512	.001

a. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood

b. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER

c. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF

d. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength

e. Predictors: (Constant), LgSUBTLWF, Length, Phono\_Neighbourhood, Ortho\_Neighbourhood, SER, interaction\_SER\_LgSUBTLWF, maxPerceptualStrength, interaction\_maxPerceptualStrength\_LgSUBTLWF

Parameter statistics in total effect (Step 3) SER model of BLP lexical decision standardized accuracy data.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
3	(Constant)	.920	.022		42.222	.000	.878	.963					
	Length	.009	.004	.136	2.476	.014	.002	.016	.116	.109	.093	.469	2.133
	Ortho_Neighbourhood	.001	.001	.116	1.869	.062	.000	.003	-.027	.082	.070	.363	2.752
	Phono_Neighbourhood	-.001	.000	-.174	-3.074	.002	-.002	.000	-.123	-.134	-.115	.440	2.275
	LgSUBTLWF	.048	.004	.477	12.407	.000	.040	.056	.461	.480	.466	.954	1.048
	SER	.008	.003	.096	2.491	.013	.002	.014	.139	.109	.094	.957	1.044
	interaction_SER_LgSUBTLWF	-.007	.004	-.069	-1.814	.070	-.014	.001	-.127	-.080	-.068	.973	1.028

Parameter statistics in unique effect (Step 5) SER model of BLP lexical decision standardized accuracy data.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
5	(Constant)	.919	.022		42.518	.000	.877	.962					

Length	.009	.004	.143	2.618	.009	.002	.016	.116	.115	.097	.465	2.153
Ortho_Neighbourhood	.001	.001	.104	1.685	.093	.000	.003	-.027	.074	.063	.362	2.761
Phono_Neighbourhood	-.001	.000	-.164	-2.918	.004	-.002	.000	-.123	-.128	-.108	.438	2.281
LgSUBTLWF	.047	.004	.465	12.199	.000	.039	.054	.461	.475	.453	.946	1.057
SER	.005	.003	.066	1.570	.117	-.001	.012	.139	.069	.058	.775	1.290
interaction_SER_LgSUBTLWF	-.001	.004	-.008	-.179	.858	-.009	.008	-.127	-.008	-.007	.777	1.287
maxPerceptualStrength	.008	.004	.075	1.809	.071	-.001	.017	.136	.080	.067	.796	1.257
interaction_maxPerceptualStrength_LgSUBTLWF	-.018	.005	-.142	-3.383	.001	-.029	-.008	-.188	-.148	-.126	.783	1.278