Additional Supplementary Material: Pilot Study 2 GLMM Random Effect Structure Selection

Table 1: *Random Effects Model Comparison for Semantically Meaningful Sentences*

Sample size		Total observations = 4480										
		Subjects = 40; Items = 112										
Selection process	**Model No.**	**Random effects**		**Model fit**			**Singular ?**	**LRT test**				
		Subject	**Items**	**AIC**	**BIC**	**logLik**		**Reference model**	**df**	**χ^2**	**p**	
1. Building a maximal model												
	1	1 + Pro | sub	1 + L1 | item	3773.2	3869.3	-1871.6	No	-	-	-	-	
2. Simplifying the model with LRT												
	2	1 | sub	1 + L1 | item	3800	3864.1	-1890	No	1	5	36.77	< .001	
	3	1 + Pro | sub	1 | item	3780	3863.2	-1877	No	1	2	10.72	< .005	