	Results without univariate	Results with univariate
All trial Inter-Item Pattern Analysis		
Scene vs. object comparison		
Right posterior hippocampus	$F(1,18)= 29.27, p < 0.0001$	$X^2= 29.63, p < 0.0001$
List comparisons (object-word pairs)		
Left anterior hippocampus		
SL vs. SS	$t(18) = -3.1, p= 0.006$	$X^2= 10.65, p = 0.001$
ML vs. SS	$t(18) = -2.76, p= 0.013$	$X^2= 8.2, p = 0.004$
Left posterior hippocampus		
SL vs. SS	$t(18) = -3.11, p= 0.006$	$X^2= 10.47, p = 0.001$
ML vs. SS	$t(18) = -3.52, p= 0.002$	$X^2= 14.87, p < 0.0001$
Right anterior hippocampus		
SL vs. SS	$t(18)= -1.61, p= 0.06$	$X^2= 4.40, p=0.036$
ML vs. SS	$t(18)= -1.61, p= 0.12$	$X^2= 4.08, p = 0.043$
Anterior vs Posterior comparisons		
Right hem: object-word	$F(1,18)= 5.58, p= 0.03$	$X^2= 5.98, p = 0.014$
Left hem: object-word	$F(1,18)= 8.48, p= 0.009$	$X^2= 9.14, p =0.003$
Right hem: scene-word	$F(1,18)= 31.86, p < 0.001$	$X^2= 35.42 p < 0.0001$
Left hem: scene-word	$F(1,18)= 23.51, p= 0.0001$	$X^2= 25.31, p < 0.0001$
Subsequent Memory Inter-Item Pattern Analysis (object-word pairs)		
Right anterior hippocampus		
SL rem vs. forg	$t(18) = -2.04, p = 0.057$	$X^2= 3.88, p = 0.049$
Anterior vs. Posterior: rem	$t(18) = -2.55, p = 0.02$	$X^2= 6.68, p = 0.01$

Table S2. Influence of univariate activation on inter-item pattern analysis results
For any significant comparisons for general or subsequent memory inter-item pattern similarity, we analyzed if the effect was maintained when accounting for differences in univariate activation. We conducted mixed effects linear regressions on a trial level basis. For the all trial inter-item pattern similarity, the factor of interest and activation were included in a model predicting similarity. We compared these to models *without* activation as a predictor, and created a contrast to confirm that the effects remained significant when the model accounted for univariate activation. All effects remained significant (column 1: without univariate, column 2: result with univariate).