

Table S1. Activated voxel clusters in the block-level contrast of novel and familiar scenes.

Region	BA	Hemi.	Peak MNI coordinates			Peak BSR	Spatial extent (mm ³)
			X	Y	Z		
Novel > Familiar							
<i>Frontal lobe</i>							
Rostral prefrontal ctx.	10	L	-9	57	-12	4.14	729
<i>Temporal lobe</i>							
Anterior hippocampus	-	R	21	-15	-21	4.18	513
Inferior temporal g.	19/37	R	60	-69	-6	4.19	1215
<i>Occipital lobe</i>							
Striate area	17	R	12	-87	21	4.96	1404
Occipital g.	18	R	33	-96	-12	3.62	459
Familiar > Novel							
<i>Frontal lobe</i>							
Lateral prefrontal ctx.	46	R	33	39	9	-4.78	945
Dorsolateral prefrontal ctx.	9	L	-36	33	24	-6.06	1485
Precentral g.	6	R	60	-9	39	-3.93	378
<i>Temporal lobe</i>							
Posterior hippocampus	-	R	24	-42	9	-4.67	324

Note: Regions were defined as any cluster with a minimum peak BSR of 3.5 ($P < 0.0005$) and an extent of at least 12 voxels (extent threshold was BSR 2.81 or $P < 0.005$). Peak coordinates are displayed in MNI space (Cocoso et al., 1997).

Table S2. Activated voxel clusters in the event-related contrast of remembered and forgotten scenes (novel items only).

Region	BA	Hemi.	Peak MNI coordinate:			Peak BSR	Spatial extent (mm ³)
			X	Y	Z		
Novel remembered > Novel forgotten							
<i>Frontal lobe</i>							
Inferior frontal g.	47	L	-48	48	-6	6.10	891
		R	33	39	-9	4.35	405
Dorsolateral prefrontal ctx.	9/46	L	-39	45	27	4.34	1917
Premotor ctx.	6/8	L	-3	18	51	5.73	1728
		L	-18	15	63	4.78	999
Motor ctx.	6	R	45	6	39	4.13	702
		L	-63	15	12	5.29	5265
<i>Temporal lobe</i>							
Amygdala	-	R	30	0	-27	4.43	324
Anterior hippocampus	-	R	21	-18	-18	4.34	648
Inferior temporal g.	37	L	-36	-60	21	6.84	1593
Medial temporal g.	19	L	-51	-69	21	4.36	486
<i>Parietal lobe</i>							
Postcentral g.	3	L	-45	-12	60	4.39	540
Precuneus	7	R	6	-45	51	5.12	351
		L	-18	-54	30	4.86	324
Supramarginal g.	30	R	6	-60	6	5.51	378
		L	-36	-39	30	4.38	675
Superior parietal l.	7	R	27	-60	45	4.15	729
<i>Limbic lobe</i>							
Posterior cingulate g.	23	L	-18	-36	39	4.66	783
Novel forgotten > Novel remembered							
<i>Frontal lobe</i>							
Rostral prefrontal ctx.	10	R	27	48	18	-5.08	567
Inferior frontal g.	47	L	-24	33	-3	-4.34	405
Precentral g.	6	L	-63	-6	27	-4.71	378
<i>Temporal lobe</i>							
Middle temporal g.	21	R	69	-33	0	-4.23	486
Precuneus	7	R	12	-66	36	-4.45	945
<i>Limbic lobe</i>							
Anterior cingulate g.	32	R	12	42	12	-4.75	621

Note: Regions defined as in Table S1.

Table S3. Activated voxel clusters in the event-related contrast of remembered and forgotten scenes (familiar items only).

Region	BA	Hemi.	Peak MNI coordinates			Peak BSR	Spatial extent (mm ³)
			X	Y	Z		
Familiar remembered > Familiar forgotten							
<i>Frontal lobe</i>							
Dorsolateral prefrontal ctx.	9	R	18	42	33	4.61	378
Motor ctx.	6	L	-57	9	3	3.93	378
<i>Temporal lobe</i>							
Temporal pole	38	L	-27	18	-27	5.87	648
Posterior hippocampus	-	L	-24	-33	-3	4.02	432
	-	R	30	-36	0	3.86	405
<i>Parietal lobe</i>							
Supramarginal g.	40	R	57	-21	57	4.90	594
<i>Limbic lobe</i>							
Cingulate g.	32	R	9	21	30	3.68	324
	24	L	0	-6	39	4.63	324
<i>Sub-lobar</i>							
Lateral globus pallidus	-	L	-24	-15	0	4.46	378
Thalamus	-	R	15	-24	15	4.99	1674
Familiar forgotten > Familiar remembered							
<i>Temporal lobe</i>							
Entorhinal ctx.	-	R	30	-15	-27	-5.68	324

Note: Regions defined as in Table S1.

Table S4. Functional connectivity of the anterior hippocampal novelty-encoding region versus that of one posterior hippocampal familiarity-encoding region.

Region	BA	Hemi.	Peak MNI coordinates			BSR product	Spatial extent (mm ³)
			X	Y	Z		
Anterior > Posterior							
<i>Frontal lobe</i>							
Superior frontal g.	6	R	6	-18	54	3.65	432
Precentral g.	4	R	39	-21	66	3.77	540
	4/6	L	-36	-30	69	5.23	1431
<i>Temporal lobe</i>							
Temporal pole	38	R	51	15	-24	4.50	648
Medial temporal g.	21	R	57	-3	-9	6.44	2538
Superior temporal g.	22	L	-48	-9	-9	4.92	1539
Anterior hippocampus	-	L	-24	-21	-18	6.14	4104
Perirhinal ctx.	35/36						
Medial temporal g.	21	R	60	-27	-9	3.80	729
Medial temporal g.	21/22	L	-63	-48	6	3.92	324
Superior temporal g.							
<i>Parietal lobe</i>							
Postcentral g.	3	R	36	-27	45	6.00	756
	3/2	L	-30	-39	48	5.16	4455
<i>Sub-lobar</i>							
Cingulate g.	32	R	12	18	42	5.64	324

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Table S4. (cont'd from page 1)

Region	BA	Hemi.	Peak MNI coordinates			BSR product	Spatial extent (mm ³)
			X	Y	Z		
Posterior > Anterior							
<i>Frontal lobe</i>							
Frontal pole	10	L	-21	63	18	-5.02	540
Ventral PFC	11	R	24	51	-9	-3.78	378
		L	-21	45	-15	-6.20	1647
			-42	39	-12	-4.59	729
Dorsolateral PFC	8/9	L	-42	27	33	-4.47	567
	46	R	45	24	30	-3.61	594
<i>Temporal lobe</i>							
Parahippocampal g.	36	R	15	-33	0	-5.34	4212
Posterior hippocampus	-						
Thalamus	-						
<i>Parietal lobe</i>							
Inferior parietal l.	39	L	-39	-57	36	-7.46	2781
Superior parietal l.	7	R	27	-69	36	-8.85	6129
Precuneus							
Precuneus	7	L/R	0	-69	48	-3.58	945
Parietoccipital transition zone	19	L	-21	-69	36	-7.07	2808
<i>Occipital lobe</i>							
Occipital g.	17/18/19	L/R	36	-84	3	-9.93	42876
	19	L	-33	-87	24	-4.13	432
<i>Sub-lobar</i>							
Posterior cingulate g.	23/31	L/R	6	-24	30	-9.14	2160
		L	-3	-45	18	-4.58	675

Note: Seeds were the peak anterior and posterior hippocampal voxels from the interaction analysis. Regions defined as in Table S1, omitting autocorrelations.