

**Table 2. Brain regions activated during encoding**

Brain Region	Direction of effect	Brodmann area	Talairach coordinates			Volume, mm <sup>3</sup>
			LR	PA	IS	
<b>Remembered (R) vs. Forgotten (F) (Fig. 2)</b>						
<b>Whole brain (<math>P &lt; 0.05</math> corrected; minimum cluster size = 391 mm<sup>3</sup>)</b>						
Left lentiform nucleus	R>F		-22	-1	-4	719
Right superior frontal gyrus	R>F	9	37	44	31	469
<b>Medial Temporal Lobe (<math>P &lt; 0.05</math> corrected, minimum cluster size = 281 mm<sup>3</sup>)</b>						
Left hippocampus	R>F		-31	-20	-9	562
Right perirhinal cortex/amygdala	R>F	28,34	17	-2	-12	297
<b>Item &amp; Source (I&amp;S) vs. Forgotten (F) (Fig. 3)</b>						
<b>Whole Brain (<math>P &lt; 0.05</math> corrected; minimum cluster size = 1078 mm<sup>3</sup>)</b>						
Left inferior frontal gyrus	I&S>F	47	-28	30	-4	1547
Right middle frontal gyrus/anterior cingulate	I&S>F	11,24,32	20	41	-8	1422
<b>Medial Temporal Lobe (<math>P &lt; 0.05</math> corrected, minimum cluster size = 656 mm<sup>3</sup>)</b>						
Left hippocampus	I&S>F		-31	-20	-10	1547
Right parahippocampal cortex/fusiform gyrus	I&S>F	36,37	-31	-41	-8	891
Right perirhinal/amygdala	I&S>F	28,34	29	-40	-12	766
Left parahippocampal cortex/fusiform gyrus	I&S>F	36,37	16	-2	-11	734
Right temporopolar cortex	F>I&S	38	50	17	-14	1000
<b>Item Only (IO) vs. Forgotten (F) (fig. 4)</b>						
<b>Whole Brain (<math>P &lt; 0.05</math> corrected; minimum cluster size = 391 mm<sup>3</sup>)</b>						
Left insula/inferior frontal gyrus	IO>F	13,47	-38	21	-7	1141
Left precentral/middle frontal gyri	IO>F	6	-30	-6	50	656
Left anterior cingulate/medial frontal gyrus	IO>F	6,9,32	-8	26	35	484
Right thalamus	IO>F		16	-15	3	422
<b>Medial Temporal Lobe (<math>P &lt; 0.05</math> corrected, minimum cluster size = 281 mm<sup>3</sup>)</b>						
Right perirhinal cortex/amygdala	IO>F	28,34	17	0	-10	328
Left hippocampus/perihinal cortex/amygdala	IO>F	28,34	-25	-8	-10	297
<b>Item &amp; Source (I&amp;S) (IS) vs. Item Only (IO) (Fig. 5)</b>						
<b>Whole Brain (<math>P &lt; 0.05</math> corrected; minimum cluster size = 391 mm<sup>3</sup>)</b>						
Right insula/superior parietal lobule*	I&S>IO	13	28	-39	16	1719

Brain Region	Direction of effect	Brodmann area	Talairach coordinates			Volume, mm <sup>3</sup>
			LR	PA	IS	
Right caudate/anterior cingulate gyrus	I&S>IO	24	16	1	26	938
Left insula	I&S>IO	13	-28	-26	23	938
Left inferior parietal lobule*	I&S>IO		-32	-46	22	422
Right superior frontal gyrus	IO>I&S	9	16	55	29	953
Right inferior frontal gyrus	IO>I&S	13,44,45	45	17	10	750
Right medial frontal gyrus	IO>I&S	6,8	7	43	39	531
<b>Medial Temporal Lobe (<math>P &lt; 0.05</math> corrected, minimum cluster size = 281 mm<sup>3</sup>)</b>						
Left entorhinal cortex	I&S>IO	34	-10	-7	-19	359

LR (Left/Right), PA (Posterior/Anterior), and IS (Inferior/Superior). Talairach coordinates indicate the center of mass of each cluster. \*Asterisks indicate that, in addition to the brain regions identified in the Talairach atlas, the activity appears to overlie white matter when the activity is superimposed on an image created by the average of all 15 anatomical images.