

**Supplementary Table 1:**

Suprathreshold clusters of Smoking Cue > Neutral Cue fMRI activation from the ALE meta-analysis of studies of non-deprived smokers.

	Volume	Location (mm)			Hem	Brain Area
		x	y	z		
1	5520	-3	-49	28	L	Precuneus, Posterior Cingulate Gyrus
2	5288	-1	41	0	B	Anterior Cingulate Gyrus, Medial Frontal Gyrus
3	4040	37	-71	-9	R	Fusiform Gyrus, Middle Occipital Gyrus
4	2176	-12	-68	7	L	Cuneus, Lingual Gyrus
5	2104	-44	-70	13	L	Middle Temporal Gyrus
6	1552	43	-32	3	R	Superior Temporal Gyrus
7	1520	-10	-82	30	L	Cuneus
8	1024	-5	23	23	L	Anterior Cingulate Gyrus
9	992	3	34	18	B	Anterior Cingulate Gyrus
10	976	-52	-50	24	L	Supramarginal Gyrus
11	768	53	-63	20	R	Middle Temporal Gyrus
12	728	-41	-67	-15	L	Cerebellar Declive, Fusiform Gyrus
13	720	-10	-69	-15	L	Cerebellar Declive, Lingual Gyrus
14	696	-16	40	39	L	Superior Frontal Gyrus
15	384	-12	-35	-29	L	Brain Stem
16	384	15	-71	46	R	Precuneus
17	384	34	-21	57	R	Precentral Gyrus
18	352	16	47	20	R	Superior Frontal Gyrus
19	336	8	-23	26	R	Posterior Cingulate Gyrus
20	320	-46	-62	28	L	Middle Temporal Gyrus
21	304	15	-82	31	R	Cuneus
22	288	-39	-4	-23	L	Fusiform Gyrus
23	288	12	-91	7	R	Cuneus
24	288	54	-31	31	R	Inferior Parietal Lobule
25	288	9	20	31	R	Anterior Cingulate Gyrus
26	288	6	-49	49	R	Precuneus
27	288	3	-37	64	R	Paracentral Lobule
28	256	39	-49	-23	R	Cerebellar Culmen, Fusiform Gyrus
29	256	5	-45	-19	R	Cerebellar Anterior Lobe
30	248	6	-76	25	R	Cuneus
31	232	12	-52	61	R	Precuneus
32	232	-27	-1	64	L	Superior Frontal Gyrus
33	224	16	-10	-5	R	Globus Pallidus
34	224	-48	-40	7	L	Middle Temporal Gyrus
35	224	0	-16	34	L	Posterior Cingulate Gyrus
36	224	18	-37	40	R	Posterior Cingulate Gyrus
37	216	-18	-22	-14	L	Parahippocampal Gyrus
38	216	24	-82	10	R	Cuneus
39	216	-30	-34	52	L	Postcentral Gyrus
40	216	0	-10	64	L	Medial Frontal Gyrus

Note: Cluster *volume* is measured in mm<sup>3</sup>. Cluster *location* refers to the weighted center of mass of each cluster, measured in Talairach coordinates. *Hem* = Hemisphere, *L* = Left, *R* = Right, *B* = Bilateral.

**Supplementary Table 2:**

Suprathreshold clusters of Smoking Cue > Neutral Cue fMRI activation from the ALE meta-analysis of studies of deprived smokers.

	Volume	Location (mm)			Hem	Brain Area
		x	y	z		
1	2480	-12	48	30	L	Superior Frontal Gyrus, Medial Frontal Gyrus
2	2296	8	-77	-19	R	Cerebellar Declive, Lingual Gyrus
3	1496	-40	-64	-18	L	Cerebellar Declive, Fusiform Gyrus
4	1432	-23	-82	30	L	Cuneus
5	1368	-2	-44	53	L	Precuneus, Paracentral Lobule
6	704	29	-5	1	R	Putamen
7	704	-11	-59	15	L	Posterior Cingulate Gyrus
8	656	-22	-58	4	L	Lingual Gyrus
9	640	-30	-1	-7	L	Putamen
10	640	-27	-27	14	L	Insula
11	640	-7	-36	31	L	Posterior Cingulate Gyrus
12	640	-15	-60	61	L	Superior Parietal Lobule
13	560	10	-21	22	R	Posterior Cingulate Gyrus
14	560	17	-64	40	R	Precuneus
15	560	28	-28	45	R	Postcentral Gyrus
16	456	42	-76	-12	R	Fusiform Gyrus
17	456	-26	32	47	L	Middle Frontal Gyrus
18	448	-37	-15	-30	L	Uncus
19	448	43	-5	-24	R	Fusiform Gyrus
20	448	27	9	-22	R	Uncus
21	448	0	41	1	R	Anterior Cingulate Gyrus
22	448	35	27	40	R	Middle Frontal Gyrus
23	448	-1	11	42	L	Anterior Cingulate Gyrus
24	440	43	-69	40	R	Precuneus
25	432	-23	-1	64	L	Superior Frontal Gyrus
26	424	-23	45	-10	L	Middle Frontal Gyrus
27	344	-33	48	26	L	Superior Frontal Gyrus
28	328	7	46	45	R	Superior Frontal Gyrus

Note: Cluster *volume* is measured in mm<sup>3</sup>. Cluster *location* refers to the weighted center of mass of each cluster, measured in Talairach coordinates. *Hem* = Hemisphere, *L* = Left, *R* = Right.

**Supplementary Table 3:**

Suprathreshold clusters of Smoking Cue > Neutral Cue fMRI activation from the ALE meta-analysis of studies with short stimulus durations ( $\leq 5$  s).

	Volume	Location (mm)			Hem	Brain Area
		x	y	z		
1	2104	38	-73	-11	R	Fusiform Gyrus
2	2056	-42	-66	-15	L	Cerebellar Declive, Fusiform Gyrus
3	1968	0	40	1	B	Anterior Cingulate Gyrus, Medial Frontal Gyrus
4	1960	-15	43	36	L	Superior Frontal Gyrus
5	1368	5	-48	24	R	Posterior Cingulate Gyrus
6	1232	41	-32	3	R	Superior Temporal Gyrus
7	1120	10	-79	28	R	Cuneus
8	648	-8	-50	40	L	Precuneus
9	640	-12	-35	-29	L	Brain Stem
10	640	7	33	18	R	Anterior Cingulate Gyrus
11	640	-7	-35	28	L	Posterior Cingulate Gyrus
12	640	15	-71	46	R	Precuneus
13	640	34	-21	57	R	Precentral Gyrus
14	592	-7	-83	29	L	Cuneus
15	560	-15	-70	6	L	Cuneus, Lingual Gyrus
16	560	16	47	20	R	Superior Frontal Gyrus
17	536	12	-52	61	R	Precuneus
18	512	24	-82	10	R	Cuneus
19	496	6	-49	49	R	Precuneus
20	480	-15	-65	-13	L	Cerebellar Declive, Fusiform Gyrus
21	480	-48	-40	7	L	Middle Temporal Gyrus
22	480	-39	-64	10	L	Middle Temporal Gyrus
23	480	18	-37	40	R	Posterior Cingulate Gyrus
24	464	12	-91	7	R	Cuneus
25	456	-18	-22	-14	L	Parahippocampal Gyrus
26	456	0	-16	34	B	Posterior Cingulate Gyrus
27	456	-30	-34	52	L	Postcentral Gyrus
28	456	0	-10	64	B	Medial Frontal Gyrus
29	448	39	-49	-23	R	Cerebellar Culmen, Fusiform Gyrus
30	448	-39	-4	-23	L	Fusiform Gyrus
31	448	5	-45	-19	R	Cerebellar Anterior Lobe
32	448	54	-31	31	R	Inferior Parietal Lobule
33	448	9	20	31	R	Anterior Cingulate Gyrus
34	448	3	-37	64	R	Paracentral Lobule
35	384	6	32	56	R	Superior Frontal Gyrus
36	352	12	-74	-17	R	Cerebellar Declive, Lingual Gyrus
37	336	-27	-1	63	L	Superior Frontal Gyrus
38	256	-42	-67	47	L	Inferior Parietal Lobule

Note: Cluster *volume* is measured in mm<sup>3</sup>. Cluster *location* refers to the weighted center of mass of each cluster, measured in Talairach coordinates. *Hem* = Hemisphere, *L* = Left, *R* = Right, *B* = Bilateral.

**Supplementary Table 4:**

Suprathreshold clusters of Smoking Cue > Neutral Cue fMRI activation from the ALE meta-analysis of studies with long stimulus durations ( $\geq 18$  s).

	Volume	Location (mm)			Hem	Brain Area
		x	y	z		
1	5944	-9	-59	19	L	Precuneus
2	4072	-2	41	0	L	Anterior Cingulate Gyrus
3	1736	-46	-72	13	L	Middle Temporal Gyrus
4	1576	-50	-54	25	L	Superior Temporal Gyrus
5	1488	39	-64	-7	R	Middle Occipital Gyrus
6	1128	32	-82	-10	R	Middle Occipital Gyrus
7	1104	-5	23	23	L	Anterior Cingulate Gyrus
8	1080	9	-22	24	R	Posterior Cingulate Gyrus
9	1072	-13	-85	33	L	Cuneus
10	1032	-4	-33	32	L	Posterior Cingulate Gyrus
11	792	53	-63	20	R	Middle Temporal Gyrus
12	768	-12	47	29	L	Superior Frontal Gyrus
13	640	6	-79	-19	R	Cerebellar Declive, Lingual Gyrus
14	488	-14	-74	26	L	Cuneus
15	456	-6	-72	-16	L	Cerebellar Declive, Lingual Gyrus
16	400	-1	36	18	L	Anterior Cingulate Gyrus
17	384	-30	-1	-7	L	Putamen
18	384	-27	-27	14	L	Insula
19	384	-2	-37	55	L	Paracentral Lobule
20	384	-15	-60	61	L	Superior Parietal Lobule
21	352	-38	-63	-20	L	Cerebellar Declive, Fusiform Gyrus
22	352	16	-10	-5	R	Globus Pallidus
23	352	45	-32	4	R	Superior Temporal Gyrus
24	352	17	-64	40	R	Precuneus
25	352	28	-28	45	R	Postcentral Gyrus
26	296	-29	-79	29	L	Cuneus
27	296	-26	32	47	L	Middle Frontal Gyrus
28	272	29	-5	1	R	Putamen
29	272	-2	-50	50	L	Precuneus

Note: Cluster *volume* is measured in mm<sup>3</sup>. Cluster *location* refers to the weighted center of mass of each cluster, measured in Talairach coordinates. *Hem* = Hemisphere, *L* = Left, *R* = Right, *B* = Bilateral.