

**Table 1. Pain-specific opioid activation ([P-C] Heat - [C-P] Warm)**

<b>Region</b>	<b>x</b>	<b>y</b>	<b>z</b>	<b>% Increase</b>	<b>Vol. (mm<sup>3</sup>)</b>	<b>Max T</b>	<b>SVC t-threshold</b>	<b>Correlation with RP</b>
Ramy	22	0	-29	7.8	11	3.18	3.14	0.06
Lamy	-32	2	-22	16.4	239	4.95	3.36	0.37
vmPFC	-7	58	-20	9.2	251	4.23	3.53	0.38
vmPFC	14	54	-20	11.4	11	4.69	3.53	-0.41
LaINS	-36	14	-2	9.2	46	3.99	3.53	0.25
LaINS	-45	16	-4	8.6	34	3.76	3.53	0.40
LaOFC	-18	45	-16	5.7	68	4.89	3.53	-0.57 +
LaOFC	-25	58	-14	9.6	387	4.41	3.53	0.39
LaOFC	-16	54	-16	6.9	11	3.57	3.53	-0.14
RaOFC	20	52	-16	7.5	91	4.52	3.60	0.45
PAG	-4	-29	-9	6.3	171	4.87	3.11	-0.77 ***
RIOFC	50	25	-14	6.7	11	2.62	2.60	-0.64 *
LIOFC	-52	29	-14	6.4	103	4.57	2.90	-0.60 +
peri-NAC	-9	18	-11	8.8	34	2.42	1.80	0.23
pgACC	-11	40	7	9.8	80	4.54	3.91	-0.58 *
thal	-11	-14	7	14.1	171	4.82	3.67	0.17
rACC	7	27	20	11.0	296	5.83	4.11	-0.47 *
LDLPFC	-47	4	38	5.1	23	2.58	2.46	-0.23
LDLPFC	-45	20	40	5.0	205	4.10	2.92	0.79 ***

Regions showing significant placebo effects in heat as compared with warm stimulation. Abbreviations are given in the text. All effects are increases (positive effects). X, y, and z refer to activation center of mass coordinates in mm relative to the anterior commissure in Montreal Neurological Institute space (based on the SPM2 avg152T1.img template brain). Vol.: volume of activation. Max T: maximum absolute t-value in the region. SVC t-threshold: nonparametric significance threshold for small-volume corrected (SVC) significance at corrected  $p < .05$ , one tailed. Correlation with RP: Maximum absolute partial correlation among activated voxels between opioid activity ([P – C Heat] vs. [C – P Warm]) and reported placebo analgesia (RP). % Increase: Placebo effect expressed as a percentage of baseline binding. Baseline binding was calculated as the average binding in the high-opioid-binding mask (average binding = 1.30 across regions). +,  $P < .10$ ; \*,  $P < .05$ ; \*\*\*,  $P < .005$ , all two-tailed. L, left; R, right.