Supplemental Material

Since the sample of participants who completed both the Reappraisal and Affect Label

tasks is small (N = 10), additional data are presented here in an effort to show that data

from the present sample are representative of, and show similar patterns of effects as, the

larger samples from which participants were drawn. In their individual studies, a total of

17 healthy participants completed the Reappraisal task (Control group in Baicy, 2008),

and 23 healthy participants completed the Affect Label task (Control group in Payer et

al., 2011). Amygdala ROI and PPI analyses were performed for all participants as

described in the Methods. For the large samples, PPI analyses were assessed at a

threshold of $p < .005$, uncorrected, with a 50-voxel cluster minimum. PPI analysis for the

Reappraisal task showed connectivity with the amygdala in a 60-voxel cluster in the right

inferior frontal gyrus (IFG) (x, y, z (mm) = 58, 24, 32; peak t = 4.51, $p < .001$). PPI

analysis for the Affect Label task showed connectivity with the amygdala in two clusters

in the right IFG (cluster 1: 111 voxels; x, y, z (mm) = 54, 38, 16; peak t = 4.81, $p < .001$;

cluster 2: 209 voxels; x, y, z (mm) = 44, 20, 30; peak t = 3.47, $p < .001$). Within these

clusters, effects shown by the present sub-sample were assessed. Results are presented in

Supplementary Table 1, and suggest that sub-sample data are comparable to the original

results.

Baicy, K. (2008). *Dissociation between neural processing and negative emotion in methamphetamine dependence. Ph.D. Dissertation.* Ph.D., University of California, Los Angeles, CA.

Payer, D. E., Lieberman, M. D., & London, E. D. (2011). Neural correlates of affect processing and aggression in methamphetamine dependence. *Archives of General Psychiatry, 68*(3), 271-282.

Supplementary Table 1.

	Full sample completing Reappraisal task (N = 17)	Full sample completing Affect Label task (N = 23)	Present sample (N = 10)
Number of males / females	7 / 10	10 / 13	4 / 6
Age, years (M, SD)	31.5 (9.84) Range = 21 - 50	28.4 (8.12) Range = 19 - 46	27.6 (8.09) Range = 21 - 43
Education, years (M, SD)	14.5 (1.55) Range = 12 - 17	14.4 (1.75) Range = 12 - 18	14.6 (1.27) Range = 12 - 16
Reappraisal: Activation in IFG cluster (average across voxels)	$t = 2.17, p = .017$		$t = 1.59, p = .065$
Affect Label: Activation in IFG cluster 1 (average across voxels)		$t = 4.06, p < .001$	$t = 4.90, p < .001$
Affect Label: Activation in IFG cluster 2 (average across voxels)		$t = 3.31, p < .001$	$t = 3.62, p < .001$
Reappraisal: Amygdala activation (parameter estimates)			
Look, M (SD)	.147 (1.41)		.393 (1.39)
Decrease, M (SD)	-.160 (1.39)		-.046 (1.49)
Test for difference	$t(16) = 3.04, p = .008$		$t(9) = 3.41, p = .008$
Affect Label: Amygdala activation (parameter estimates)			

Match, M (SD)		.480 (.255)	.573 (.280)
Label, M (SD)		.357 (.248)	.369 (.226)
Test for difference		t(22) = 1.81, p = .085	t(9) = 3.04, p = .014