

Supplementary Table S2. Emotion classification based on methodological variables

Emotion elicitation method

	Anger	Disgust	Fear	Sad	Happy
Anger	0.01	0.00	0.70	0.29	0.00
Disgust	0.04	0.00	0.83	0.13	0.00
Fear	0.00	0.00	0.90	0.10	0.00
Sad	0.09	0.02	0.49	0.29	0.11
Happy	0.00	0.00	0.70	0.30	0.00

Average accuracy:

0.24 n.s.

Imaging technique (PET or fMRI)

	Anger	Disgust	Fear	Sad	Happy
Anger	0.00	0.78	0.00	0.22	0.00
Disgust	0.00	0.94	0.00	0.06	0.00
Fear	0.00	0.94	0.00	0.06	0.00
Sad	0.00	0.63	0.00	0.37	0.00
Happy	0.00	0.73	0.00	0.27	0.00

Average accuracy:

0.26 p < .05

Stimulus type

	Anger	Disgust	Fear	Sad	Happy
Anger	0.06	0.04	0.65	0.25	0.00
Disgust	0.07	0.33	0.42	0.17	0.00
Fear	0.05	0.15	0.68	0.07	0.04
Sad	0.02	0.11	0.29	0.51	0.08
Happy	0.00	0.05	0.62	0.32	0.00

Average accuracy:

0.32 p < .05

Participant sex

	Anger	Disgust	Fear	Sad	Happy
Anger	0.83	0.00	0.13	0.04	0.00
Disgust	0.55	0.00	0.16	0.29	0.00
Fear	0.69	0.00	0.23	0.08	0.00
Sad	0.55	0.29	0.15	0.00	0.00
Happy	0.66	0.00	0.17	0.17	0.00

Average accuracy:

0.21 n.s.

Task Type

	Anger	Disgust	Fear	Sad	Happy
Anger	0.00	0.29	0.32	0.09	0.30
Disgust	0.00	0.49	0.28	0.07	0.16
Fear	0.00	0.29	0.44	0.02	0.25
Sad	0.00	0.29	0.17	0.38	0.15
Happy	0.31	0.32	0.21	0.16	0.00

Average accuracy:

0.26 p < .05

Comparison (control) condition

	Anger	Disgust	Fear	Sad	Happy
Anger	0.00	0.20	0.70	0.06	0.04
Disgust	0.00	0.00	0.68	0.00	0.32
Fear	0.00	0.20	0.75	0.01	0.04
Sad	0.00	0.14	0.71	0.14	0.02
Happy	0.05	0.29	0.57	0.09	0.00

Average accuracy:

0.18 n.s.

Note. Confusion matrices for six methods-related variables. Rows are true emotion categories, and columns are brain-based predicted categories. Numbers are proportions (range 0-1). *: p < .05.