

# Supplemental Information for “Advancing image-based meta-analysis through systematic use of crowdsourced NeuroVault data”

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**Table S1: Distribution of collections and images across selection methods by domains.**

Domain	Image selection method	Number of collections	Number of images
Working Memory	All images	19	98
	Heuristic	11	51
	Manual	6	10
Motor	All images	8	85
	Heuristic	8	73
	Manual	7	30
Emotion Processing	All images	14	82
	Heuristic	7	39
	Manual	2	8
Pain	All images	14	88
	Heuristic	11	41
	Manual	7	13
Social Cognition	All images	33	153
	Heuristic	14	47
	Manual	8	11
Response Inhibition	All images	20	99
	Heuristic	15	61
	Manual*	-	-
Reward & Decision Making	All images	15	109
	Heuristic	9	61
	Manual*	-	-
Risk	All images	15	70
	Heuristic	9	43
	Manual*	-	-
Visual Perception	All images	9	48
	Heuristic	8	40
	Manual*	-	-

\*Manual meta-analysis was not performed.

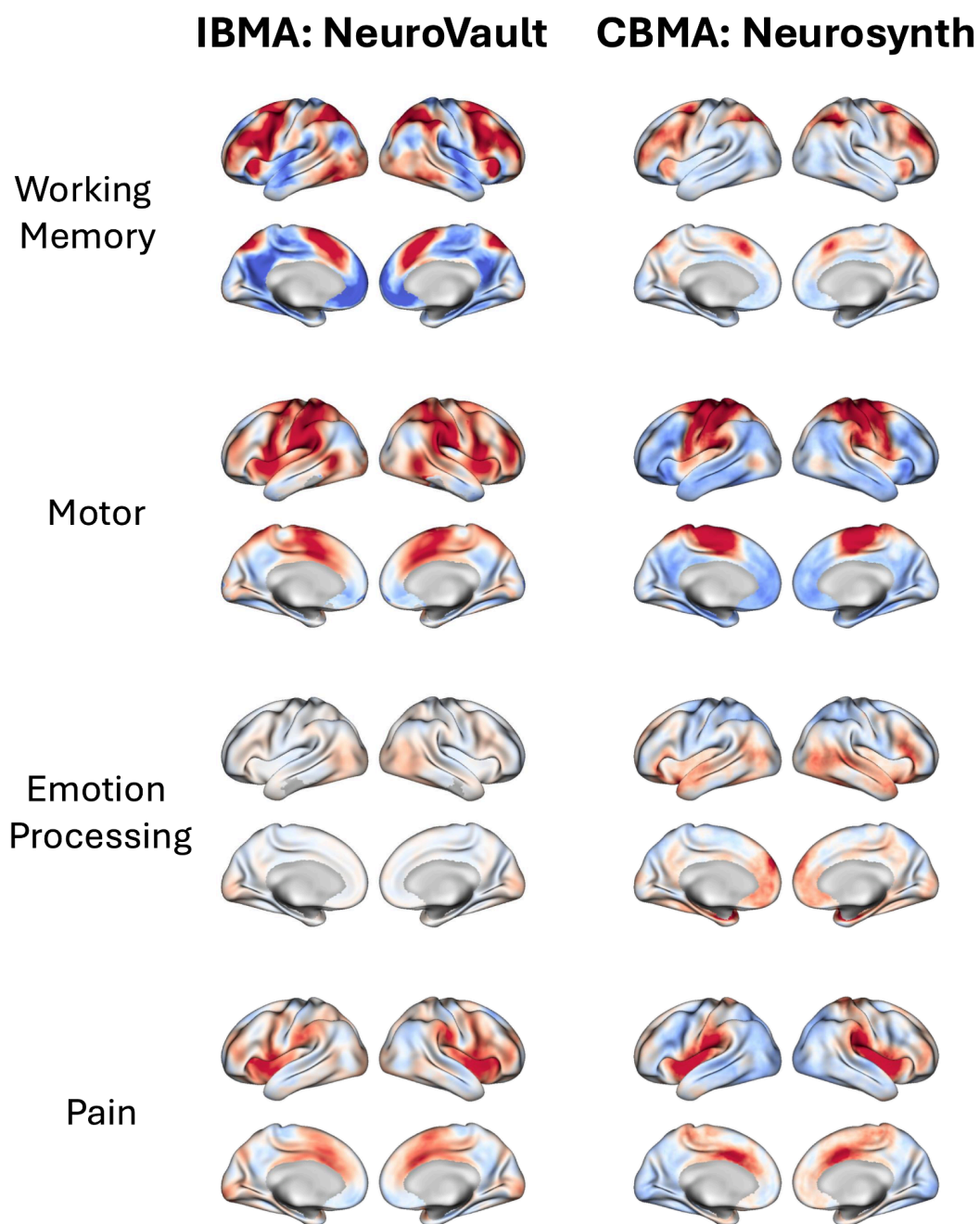


Figure S1. Comparison of NeuroVault IBMA results with large-scale CBMA maps from Neurosynth.

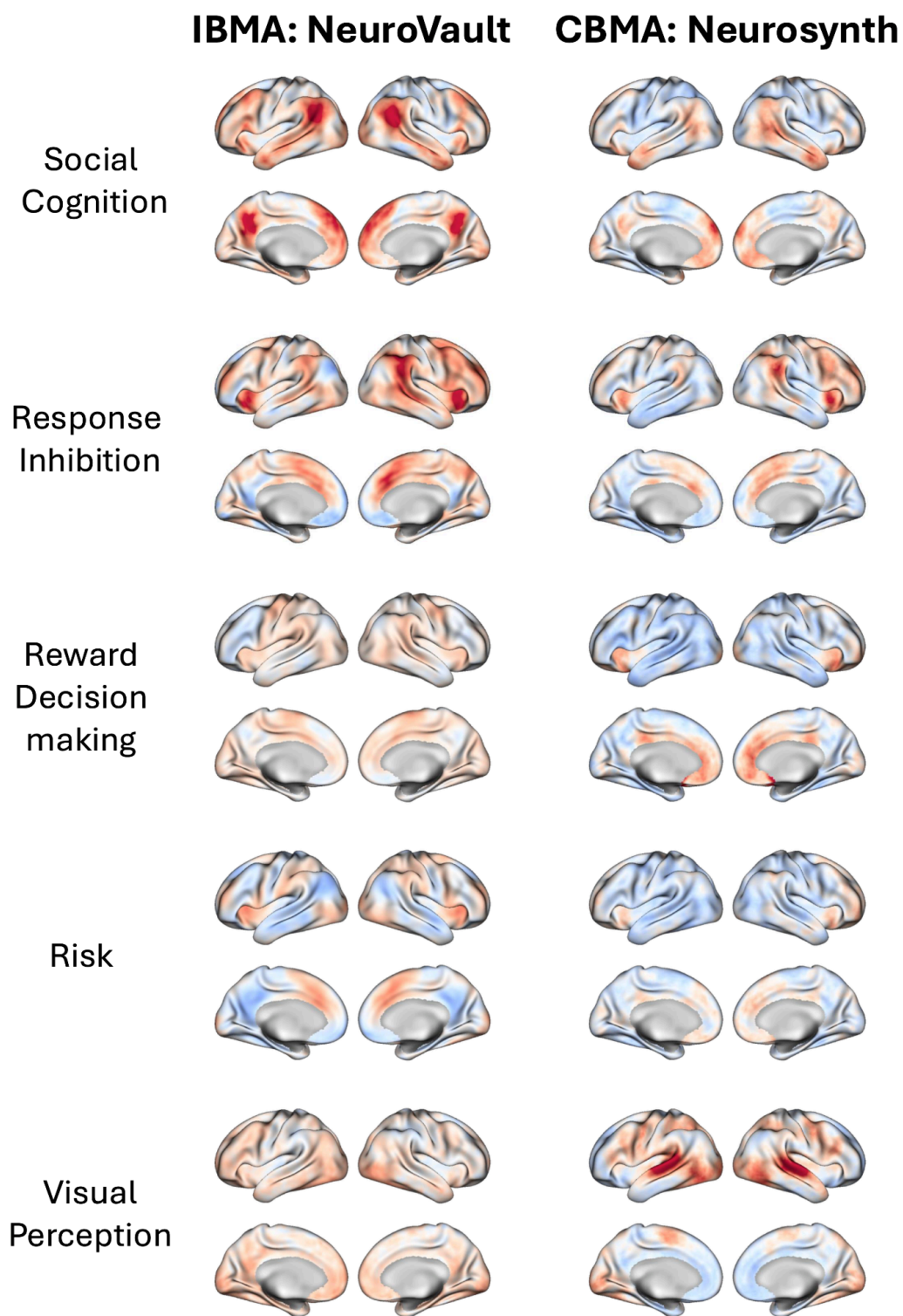
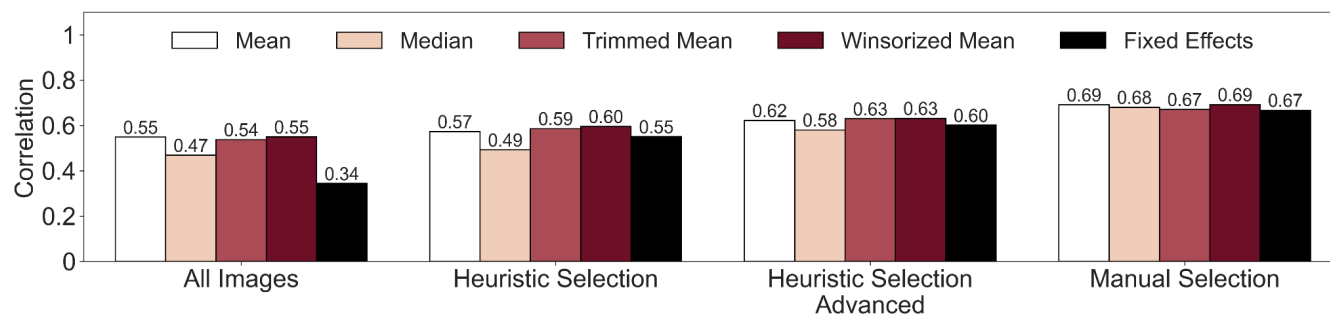
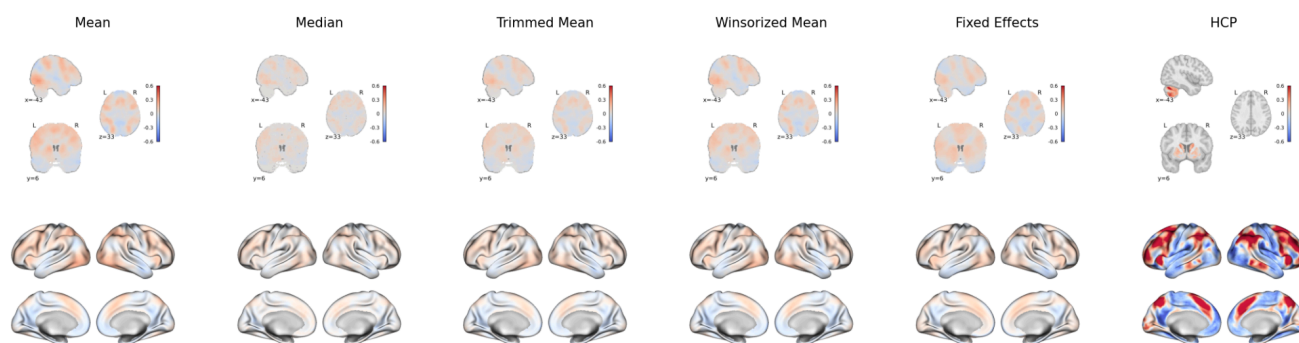


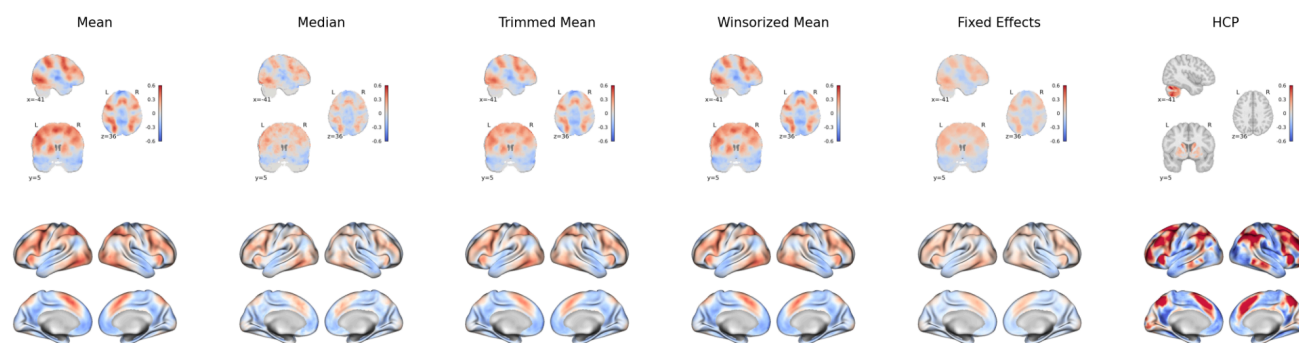
Figure S2. Comparison of NeuroVault IBMA results with large-scale CBMA maps from Neurosynth.



**Figure S3. Evaluation of working memory image-based meta-analyses with NeuroVault.** Comparison of the different image selection methods and estimators. The bars represent the correlation with the reference maps.



**Figure S4. IBMA result for working memory, including all images.**



**Figure S5. IBMA result for working memory, with automatically selected images.**

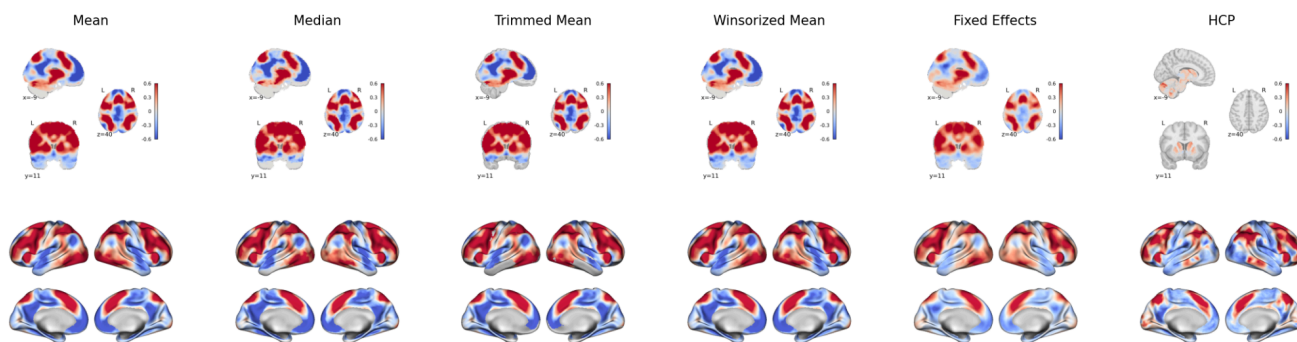


Figure S6. IBMA result for working memory, with manually selected images.

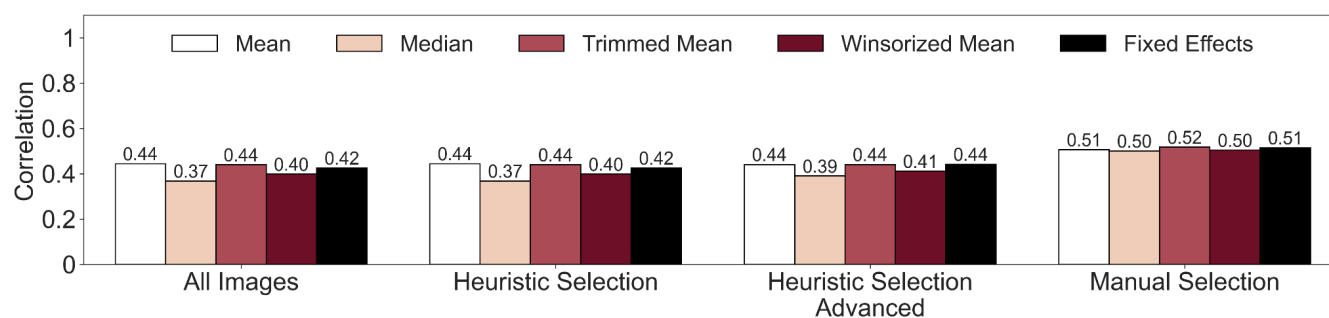


Figure S7. Evaluation of motor image-based meta-analyses with NeuroVault. Comparison of the different image selection methods and estimators. The bars represent the correlation with the reference maps.

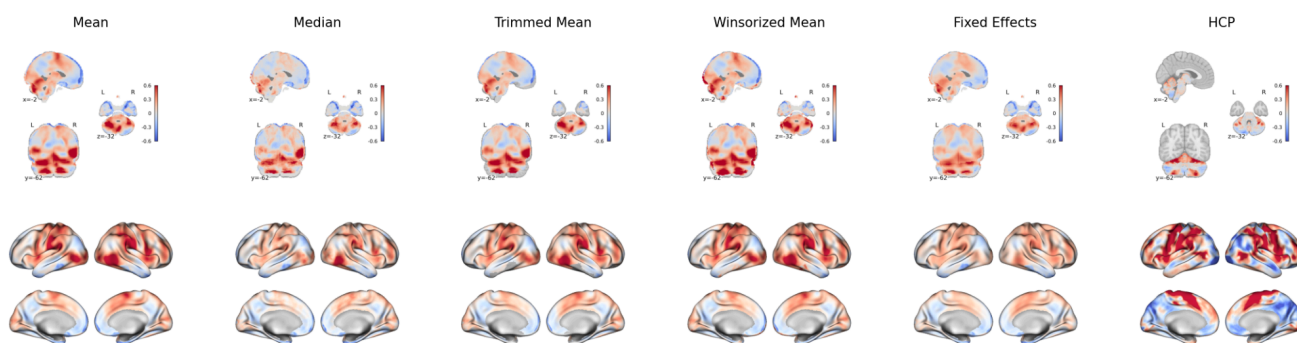


Figure S8. IBMA result for motor, including all images.

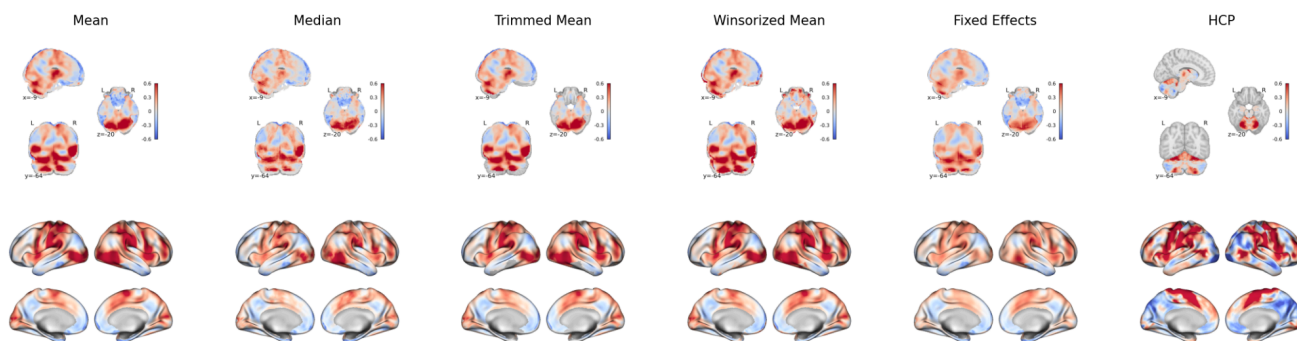


Figure S9. IBMA result for motor, with automatically selected images.

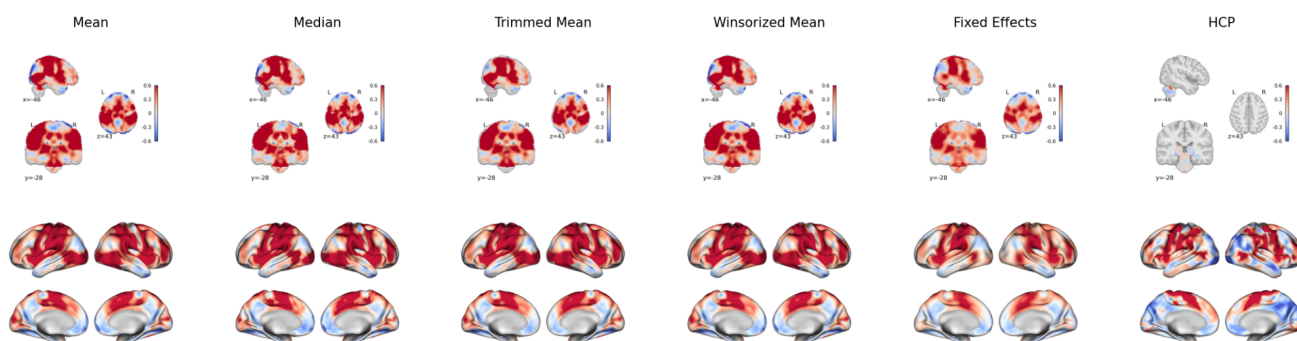


Figure S10. IBMA result for motor, with manually selected images.

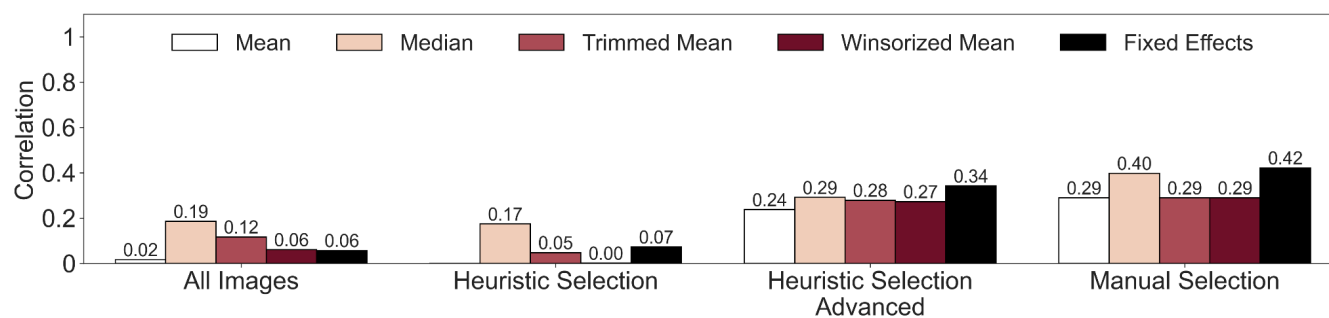


Figure S11. Evaluation of emotion processing image-based meta-analyses with NeuroVault. Comparison of the different image selection methods and estimators. The bars represent the correlation with the reference maps.

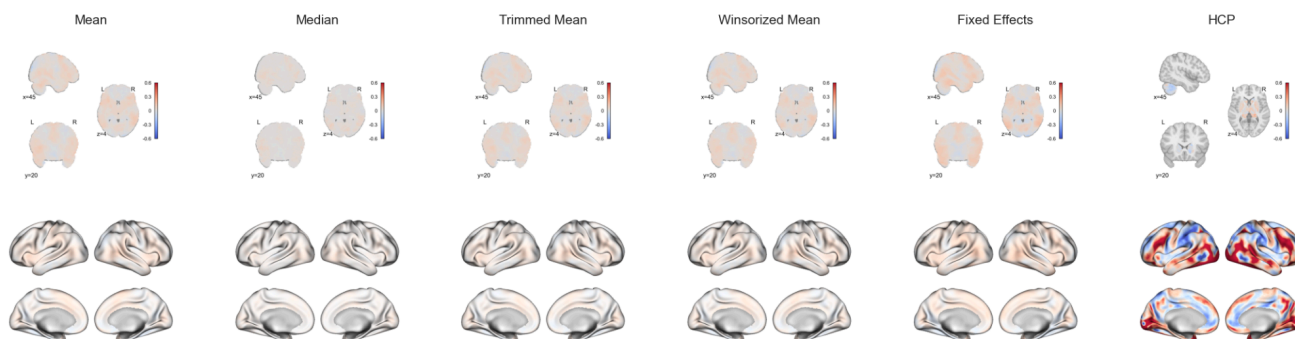


Figure S12. IBMA result for emotion processing, including all images.

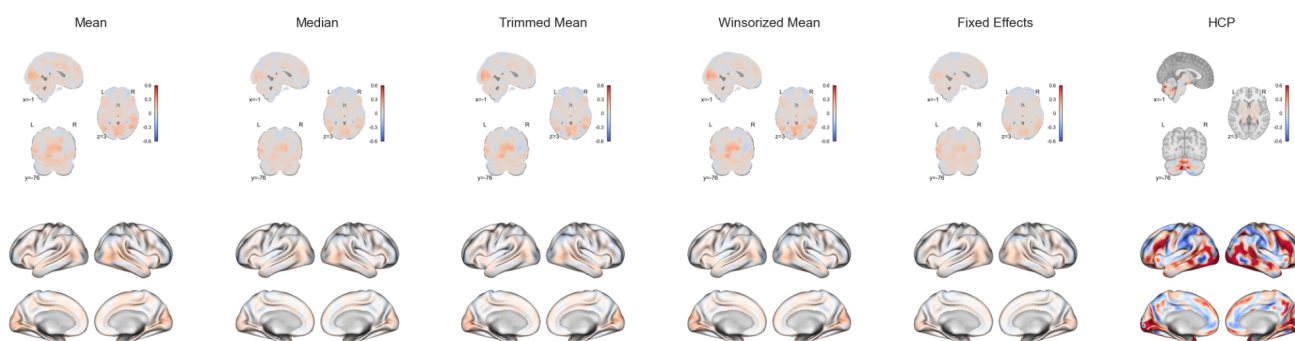


Figure S13. IBMA result for emotion processing, with automatically selected images.

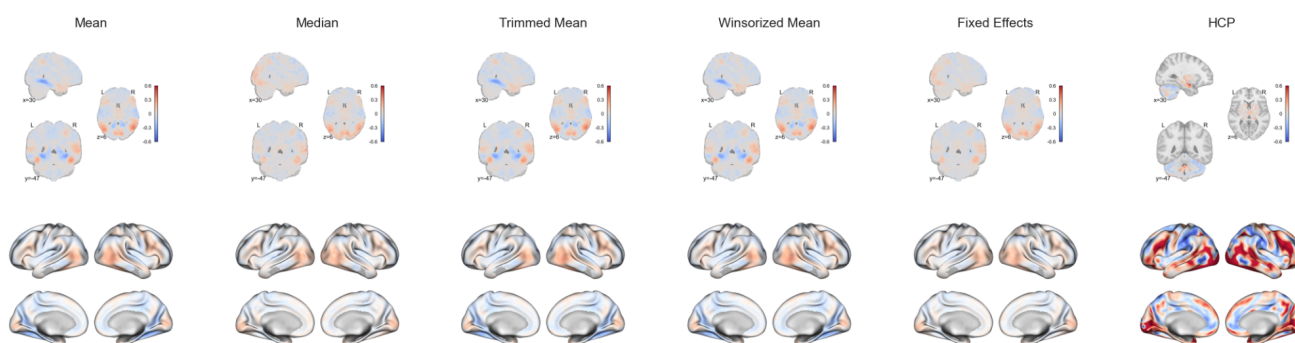


Figure S14. IBMA result for emotion processing, with manually selected images.