

Supplementary Table S3. Emotion classification based on methodological variables

Overall intensity across zone (FDR  $q < .05$  :  $p = 0.0022$ )

Region group	ang-dis	ang-fea	ang-hap	ang-sad	dis-fea	dis-hap	dis-sad	fea-hap	fea-sad	hap-sad
Cortex		+			++					
Basal Ganglia										
Cerebellum/Brainstem										
Thalamus								+	+	
Amygdala	+		++	+++	--			++	+++	
Hippocampus	+				--	-		+	++	

Non-negative matrix factorization "fingerprints:" different intensity profiles across regions (FDR  $q < .05$  :  $p = .0188$ )

Set	ang-dis	ang-fea	ang-hap	ang-sad	dis-fea	dis-hap	dis-sad	fea-hap	fea-sad	hap-sad
Cortex	***		***	***	***		*	***	***	*
Basal Ganglia			*	*	*		*			
Cerebellum/Brainstem		***		**						
Thalamus					**	*		*	*	
Amygdala	*		**	***	**			***	***	
Hippocampus	**	*	**		***	*		**	***	*

*Note.* Significant pairwise differences between emotion categories in overall average intensity of region groups/networks (top) and profiles across networks/regions within each group (bottom). Empty cells are non-significant. \*/ +/-  $P < .05$ . \*\*/++/--  $P < .01$ . \*\*\*/+++/--  $P < .001$ .