

Supplementary Table 2. Brain regions that showed significant activation during SWE compared to NEU in one-way repeated measures ANOVA

Brain region	Cluster size	Peak voxel coordinates in MNI space			Z value
		x	y	z	
R. intracalcarine cortex	4994	24	-62	8	4.45
L. intracalcarine cortex		-16	-66	6	3.65
R. lateral occipital cortex		46	-68	-16	4.22
B. cuneal cortex		-4	-78	26	3.75
L. ventrolateral prefrontal cortex	2985	-42	24	-8	5.67
L. insular cortex		-38	4	2	4.32
L. temporal pole		-54	8	-20	4.31
L. dorsolateral prefrontal cortex		-50	12	30	3.62
B. dorsomedial prefrontal cortex	2243	-4	54	24	5.18
B. supplementary motor cortex		2	8	56	3.52
L. thalamus		-6	-20	6	3.72
R. thalamus		10	-14	16	3.61
L. middle temporal gyrus	1634	-60	-18	-10	4.58
L. inferior temporal gyrus	566	-46	-50	-20	4.13
L. lateral occipital cortex		-44	-66	-12	3.87
R. superior temporal gyrus	312	48	-28	-2	3.80
R. dorsolateral prefrontal cortex	168	52	18	32	3.85
B. posterior cingulate cortex	124	-4	-46	22	3.53
L. amygdala	97	-20	-8	-14	3.76
L. hippocampus	80	-20	-30	-8	3.69
R. postcentral gyrus	73	30	-32	58	3.53
R. precentral gyrus	59	42	-12	36	3.34
L. ventromedial prefrontal cortex	56	-6	56	-14	3.59
L. anterior cingulate cortex	35	-6	18	28	3.40
R. precuneous cortex	28	12	-54	38	3.34

Cluster size is the number of voxels, and clusters consisted of 20 or more were included. Clusters above z value 3 were chosen. Threshold is $p < 0.05$. Clusters that were within white matter and cerebrospinal fluid space were excluded. SWE: swearing, NEU: neutral words, ANOVA: analysis of variance, MNI: montreal neurological institute