

Supplemental Table 1. Regions of significant activation by IC and scan number. Scans were obtained sequentially within the same session. Regions are those defined by the Harvard-Oxford cortical and subcortical structural atlases and the Probabilistic Atlas of the Human Cerebellum. Activation within each of these pre-defined regions was tested for significance at $p < .05$. This ROI-based analysis provides a similar result as brain-wide correction for multiple comparisons (compare with Figure 2). Regions without values for a particular scan were those without significant activation during that scan. Coordinates (X, Y, Z) refer to MNI space, given 2x2x2mm voxels.

				Scan 1				Scan 2				Scan 3				Scan 4				
IC	Hemis.	Region		Peak t	X	Y	Z	Peak t	X	Y	Z	Peak t	X	Y	Z	Peak t	X	Y	Z	
1	L	Frontal	Frontal Medial Cortex	8.16	-42	12	24	10.23	-52	20	12	8.06	-52	20	12	8.34	-48	14	0	
			Frontal Opercular Cortex	9.67	-50	24	14	9.90	-52	22	12	8.51	-46	30	-4	7.75	-50	24	-4	
			Frontal Orbital Cortex													3.81	-2	36	-10	
		Temporal	Inferior Frontal Gyrus: pars opercularis	9.84	-38	26	0	11.35	-46	22	-4	16.61	-42	24	-2	11.10	-46	24	-4	
			Inferior Frontal Gyrus: pars triangularis	9.59	-38	24	-2	12.64	-46	22	-6	12.92	-42	24	-4	17.92	-48	20	-8	
			Angular Gyrus	14.96	-50	-52	18	13.78	-60	-50	14	14.74	-62	-50	12	15.02	-54	-56	14	
			Inferior Temporal Gyrus: temporo-occipital	5.03	-44	-50	-8	5.08	-44	-52	-16					2.51	-42	-16	-22	
			Middle Temporal Gyrus: anterior	6.71	-56	-8	-12	8.17	-52	2	-20	8.10	-58	-2	-14	11.72	-60	-8	-12	
			Middle Temporal Gyrus: posterior	10.98	-60	-24	-6	12.90	-54	-26	-6	12.79	-54	-26	-6	11.29	-50	-24	-8	
			Middle Temporal Gyrus: temporo-occipital	18.94	-56	-46	8	14.59	-60	-48	8	16.79	-60	-50	10	17.95	-58	-46	8	
			Planum Polare									7.17	-50	4	-6					
			Planum Temporale	12.04	-60	-36	14	11.03	-60	-32	10	11.44	-52	-30	6	12.64	-56	-32	8	
			Superior Temporal Gyrus: anterior	12.26	-54	-8	-6	13.32	-56	-8	-2	12.76	-56	-2	-10	10.81	-60	-10	-4	
			Superior Temporal Gyrus: posterior	15.55	-58	-20	-4	17.57	-54	-24	-2	14.78	-60	-24	0	15.18	-48	-24	-6	
			Temporal Pole	9.97	-48	16	-14	10.44	-50	18	-12	13.15	-54	8	-14	10.76	-48	18	-12	
			Parietal	Precuneous Cortex	8.57	-2	-58	54					10.69	-4	-48	52				
				Parietal Opercular Cortex	7.25	-60	-40	26	6.36	-60	-40	26	5.85	-60	-40	24	7.61	-60	-40	26
				Supramarginal Gyrus: posterior	22.47	-56	-46	10	14.94	-62	-48	10	22.04	-58	-48	12	16.36	-60	-46	8

			IX	6.79	-4	-58	-56					10.12	-6	-56	-54				
			Vermis VI													5.76	-4	-78	-20
			Vermis IX									3.63	-2	-56	-32				
			Vermis X	4.64	-2	-46	17	4.11	-2	-48	-32	3.47	-2	-48	-34	4.19	-2	-46	17
R	Frontal	Frontal Opercular Cortex	9.12	46	20	-4	9.68	48	20	0	10.17	44	22	-2	11.38	42	22	-2	
		Frontal Orbital Cortex	11.36	38	22	-6	7.85	30	22	-8	10.80	38	26	-6	12.07	42	22	-4	
		Frontal Pole	13.45	8	38	54	17.33	46	56	4	15.88	32	58	6	18.58	42	52	-12	
		Inferior Frontal Gyrus: pars opercularis	9.27	52	16	32	10.24	50	14	32	10.71	50	14	32	9.14	52	14	32	
		Inferior Frontal Gyrus: pars triangularis	7.39	50	28	18	9.22	50	30	20	9.25	52	28	16	7.97	50	20	-2	
		Middle Frontal Gyrus	16.71	28	20	56	19.97	48	34	34	18.29	48	32	36	23.06	48	26	38	
		Paracingulate Gyrus	15.40	4	36	38	16.30	6	38	38	17.66	2	34	42	14.00	2	40	36	
		Superior Frontal Gyrus	18.43	4	34	50	18.07	8	36	42	21.35	34	26	52	20.13	20	26	50	
		Cingulate Gyrus: posterior	15.46	6	-44	36	10.88	2	-28	40	12.86	4	-42	36	12.70	2	-26	40	
	Parietal	Angular Gyrus	19.78	50	-50	42	22.76	50	-50	42	19.19	50	-48	34	17.15	50	-46	48	
		Inferior Temporal Gyrus: temporo-occipital									4.96	52	-44	-12	6.68	50	-50	-18	
		Middle Temporal Gyrus: posterior	8.12	66	-24	-6	9.43	64	-24	-8	11.78	58	-24	-6	10.49	66	-26	-4	
		Middle Temporal Gyrus: temporo-occipital	6.86	62	-50	12	6.43	64	-40	-2	8.03	64	-40	-2	8.16	60	-42	0	
		Precuneous Cortex	12.13	8	-68	44	12.99	8	-56	42	10.86	4	-50	34	10.30	4	-54	40	
		Supramarginal Gyrus: posterior	16.25	50	-44	50	20.38	50	-44	46	16.09	50	-44	44	19.01	50	-44	48	
		Lateral Occipital Cortex																	
		Occipital	superior	17.63	50	-60	44	15.85	50	-62	40	16.72	50	-58	42	13.79	42	-56	56
			Subcortical	Caudate	8.52	39	8	20	6.70	39	10	18	9.70	39	10	14	9.25	39	10
	Thalamus						8.16	4	-6	14									
	Cerebellum	Vermis X	3.78	2	-44	17	4.31	2	-46	-36									
4	L	Frontal	Inferior Frontal Gyrus: pars opercularis	10.22	-50	12	0	9.54	-50	10	2	7.96	-48	10	4	8.57	-50	10	4

		Central Opercular Cortex	11.11	-38	67	6												
		Cingulate Gyrus: anterior	14.64	-2	28	30	16.38	-2	16	36	19.27	-4	20	34	15.13	-4	16	38
		Frontal Opercular Cortex	9.70	63	18	8	15.12	-36	16	6	10.85	-36	22	2	10.46	-34	18	6
		Frontal Pole	14.49	46	44	30					13.37	-32	48	30				
		Juxtapositional lobule Cortex*	15.67	-4	8	52	19.22	-2	8	56	17.40	-4	2	66	21.01	-2	4	64
		Middle Frontal Gyrus	12.10	46	16	54	14.25	44	34	38	17.16	-32	36	38	15.74	-34	14	52
		Paracingulate Gyrus	18.82	-2	30	38	16.90	-4	18	38	21.14	-6	22	38	17.27	-2	18	50
		Precentral Gyrus	11.86	-42	-2	48	11.77	-30	-8	62	13.58	-42	-8	50	13.71	-44	-14	54
		Superior Frontal Gyrus	16.94	-2	26	46	13.76	-2	10	56	16.80	42	16	58	18.60	-2	18	52
	Insular	Insular Cortex	10.59	63	67	6	13.31	-32	16	4								
	Temporal	Inferior Temporal Gyrus: posterior					3.08	-44	-28	-18	3.10	-44	-24	-20				
		Inferior Temporal Gyrus: temporo-occipital	6.02	-50	-52	-16												
		Temporal Occipital Fusiform Cortex													4.30	-34	-56	-20
	Occipital	Intracalcarine Cortex									5.70	-4	-72	10	4.93	-8	-84	8
	Cerebellum	Vermis VI									6.36	-2	-70	-14	3.65	-4	-68	-18
		Vermis X	3.80	-2	-44	17	3.77	-2	-46	17	4.32	-2	-44	17				
R	Frontal	Central Opercular Cortex					12.22	44	8	6	8.27	48	8	4				
		Cingulate Gyrus: anterior	12.14	6	18	36	16.14	2	14	38	15.83	4	28	32	13.96	6	16	38
		Frontal Medial Cortex					4.31	8	42	-16								
		Frontal Opercular Cortex	10.24	42	12	2	10.15	44	10	6	10.19	38	18	4	11.87	38	16	6
		Inferior Frontal Gyrus: pars opercularis					10.44	50	14	2	8.00	52	10	4	7.84	50	10	2
		Juxtapositional lobule Cortex*	16.78	6	8	56	17.14	2	8	56	19.19	4	4	60	21.98	2	2	60
		Middle Frontal Gyrus	14.58	28	6	58	11.46	26	30	44	14.59	36	0	65	16.08	27	0	56
		Precentral Gyrus	10.80	50	2	46	13.57	46	2	46	15.12	50	-8	44	18.51	36	-2	46
		Superior Frontal Gyrus	20.53	4	10	56	14.29	2	10	65	15.93	2	14	54	24.32	2	16	54
		Paracingulate Gyrus	17.41	2	30	38	17.32	4	14	46	17.16	2	12	52	19.83	8	18	50
	Temporal	Inferior Temporal Gyrus:					2.42	44	-28	-18								

			posterior Supramarginal Gyrus: posterior Globus Pallidus-Central Vermis VI Vermis X VIIb					6.42	64	-38	26					5.02	24	-2	-4
				3.75	2	-44	17					4.81	26	-68	-54	4.69	2	-72	-12
5	L	Frontal	Central Opercular Cortex	10.91	-38	-10	14	9.56	-56	-12	14	10.91	-60	-12	14	9.90	65	-12	14
			Inferior Frontal Gyrus: pars opercularis					7.13	-50	10	24	7.40	-48	10	28	7.97	-54	12	24
			Precentral Gyrus	12.53	71	-10	48	11.01	-54	48	22	14.53	-58	2	24	14.69	-48	48	38
			Subcallosal Cortex	5.57	-2	26	-6												
			Temporal Occipital																
		Temporal	Fusiform Cortex																
		Parietal	Postcentral Gyrus	12.27	-54	-12	36	11.24	-58	-10	24	13.21	-60	-12	30	21.89	-56	-14	38
		Cerebellum	Vermis X									2.30	-2	-46	17				
	R	Frontal	Central Opercular Cortex	11.52	44	-8	14	8.62	38	-6	16	12.07	38	-8	18	12.06	40	-6	16
		Parietal	Postcentral Gyrus					9.77	60	-10	44								

*formerly Supplementary Motor Cortex