

1 **Supplemental Material**

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Cluster #	Voxels (mm <sup>3</sup> )	Center of Mass (MNI Coordinates)			Mean ALE	Region	BA
		x	y	z			
<i>MAG 1</i>							
1	12640	55.3	-54.4	7.6	0.0440	R Superior temporal gyrus	39
2	9824	-50.4	-62.5	8	0.0407	L Middle occipital gyrus	37
3	1240	-54	-31.9	22.5	0.0305	L Insula	13
4	1072	48.9	3.4	45.8	0.0309	R Precentral gyrus	6
5	592	4.2	-82.1	-26.2	0.0296	R Cerebellum (pyramis)	
<i>MAG 2</i>							
1	2864	-2.1	7.4	62.3	0.0293	L Superior frontal gyrus	6
2	2432	-11.6	-4.1	7.9	0.0203	L Thalamus	
3	2232	-47.1	19.6	18.6	0.0266	L Middle frontal gyrus	46
4	1488	-57.4	-43.6	-2.5	0.0337	L Middle temporal gyrus	21
5	1320	-9	55.4	31	0.0292	L Medial frontal gyrus	9
6	1320	-47.2	2.6	48.2	0.0341	L Precentral gyrus	6
7	1248	-45.7	30.8	-7.3	0.0291	L Middle frontal gyrus	47
8	1112	-5.2	-53.1	38.2	0.0294	L Precuneus	31
9	1080	-53.9	-0.8	-23.3	0.0260	L Middle temporal gyrus	21
10	1008	55.4	-6.2	-25	0.0297	R Middle temporal gyrus	21
11	960	1.7	-66.8	33	0.0222	R Precuneus	31
12	744	-55.9	-25.3	-15.1	0.0322	L Middle temporal gyrus	21
13	688	-58.6	-58	8.4	0.0280	L Middle temporal gyrus	21
<i>MAG 3</i>							
1	9320	-12.6	-10.4	-9.1	0.0303	L Amygdala	
2	5200	22.4	-5.4	-18.2	0.0404	R Amygdala	
3	1152	-46.2	23	-3.4	0.0228	L Inferior frontal gyrus	45
4	760	54.9	-60.1	5.4	0.0206	R Middle temporal gyrus	39
5	680	-32.9	9	-23.4	0.0191	L Superior temporal gyrus	38
6	608	44	-54.7	-23.2	0.0211	R Cerebellum (culmen)	
7	608	2.3	-29.7	-14.2	0.0198	R Red Nucleus	
8	576	-46.3	9.5	29.7	0.0288	L Periaqueductal gray	
<i>MAG 4</i>							
1	2392	7.4	-4.9	43.1	0.0341	R Midcingulate gyrus	24
		51.7	3.9	1.5	0.0333	Inferior frontal gyrus	
2	2360					R (opercularis)	22
3	1440	58.4	-35.6	26.4	0.0223	R Supramarginal gyrus	40
4	920	-52.9	4.3	2.8	0.0262	L Superior temporal gyrus	22
5	712	15	-77.3	44.2	0.0226	R Cuneus	19
6	648	-5.9	-94	-11.4	0.0274	L Lingual gyrus	18
7	632	48.3	-70.8	1.9	0.0219	R Inferior temporal gyrus	37

MAG 5								
1	7856	-16.8	-55.1	5.8	0.0305	L	Lingual gyrus	18
2	3720	26.8	-41.1	-11.1	0.0422	R	Parahippocampal gyrus	36
3	2504	20.1	-61.8	23.2	0.0249	R	Posterior cingulate gyrus	31
4	1584	10	-88.5	12.7	0.0225	R	Cuneus	18
5	1024	40	-73.1	38.3	0.0274	R	Angular gyrus	39
6	952	19.6	-60.3	54.1	0.0217	R	Precuneus	7
7	880	45.2	12.3	31.6	0.0274	R	Precentral gyrus	9
8	760	15.3	-51	8.3	0.0277	R	Posterior cingulate gyrus	29
9	664	27.6	56.5	5.1	0.0241	R	Medial frontal gyrus	10
MAG 6								
1	15760	56.7	-11.8	0	0.0446	R	Superior temporal gyrus	22
2	12152	-54.1	-19.9	5.1	0.0727	L	Superior temporal gyrus	22
3	1680	-46.1	-75.2	3.6	0.0210	L	Inferior temporal gyrus	
4	712	-29.2	-65.7	-24.4	0.0245	L	Cerebellum (declive)	
5	680	-43.5	-49.9	-16.8	0.0290	L	Fusiform gyrus	37
MAG 7								
1	3840	-24.6	-5.3	55.5	0.0321	L	Middle frontal gyrus	6
2	3568	46.4	-66.6	-3.5	0.0381	R	Fusiform gyrus	37
3	2976	20.9	-68.7	52.5	0.0312	R	Precuneus	7
4	2872	27.3	-0.6	57.5	0.0539	R	Middle frontal gyrus	6
5	2616	-15.4	-87.8	-3	0.0251	L	Lingual gyrus	17
6	1920	-17.5	-76.3	42.1	0.0241	L	Precuneus	19
7	1696	35.2	-84.5	17	0.0288	R	Middle occipital gyrus	19
8	1688	-43.4	-72.6	4.1	0.0266	L	Middle occipital gyrus	37
9	1632	-37.9	-39.3	47.2	0.0305	L	Intraparietal sulcus	40
10	1256	50	6.2	32.5	0.0309	R	Precentral gyrus	6
11	1160	-29.8	-85.9	11.8	0.0245	L	Middle occipital gyrus	19
12	944	-17.5	-61.7	58.2	0.0298	L	Precuneus	7
13	768	-50.9	-64	-8.9	0.0311	L	Fusiform gyrus	37
14	656	35.9	-36.3	40.7	0.0266	R	Intraparietal sulcus	40
15	640	-55.3	9.5	24.2	0.0260	L	Inferior frontal gyrus (opercularis)	

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**Supplemental Table 1.** Coordinates and region labels for each MAG's cluster centroids.

Labels of the center-of-mass coordinates per cluster for each MAG. Clusters are not restricted to each centroid's label, but may extend into neighboring gyri and sulci. For a more thorough understanding of the extent of each cluster, refer to *Meta-Analytic Groupings* in the Results and see Figure 2

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Modality	MAG 1	MAG 2	MAG 3	MAG 4	MAG 5	MAG 6	MAG 7	Total
Audiovisual	28	10	26	16	18	34	21	153
Auditory	4	12	4	1	5	16	9	51
Pain	0	2	3	2	2	0	0	9
Tactile	1	2	2	0	0	0	4	9
Visual	23	19	7	22	32	4	43	150
Total	56	45	42	41	57	54	77	372

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**Supplemental Table 2.** Modality distribution across MAGs.

The list of stimulus modalities that were present in the corpus, as well as the distribution of experiments based on stimuli using each sensory modality across MAGs. Total count per term and per MAG are included to provide a scale for comparison across modalities and MAGs.

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Modality	MAG 1	MAG 2	MAG 3	MAG 4	MAG 5	MAG 6	MAG 7	Total
Film	35	13	19	21	18	32	31	169
Virtual Reality	15	12	14	18	30	4	27	120
Speech	2	11	2	1	4	7	5	32
Music	1	4	2	0	0	11	3	21
Video Game	0	3	3	1	2	0	4	13
3D image	1	0	0	0	1	0	4	6
Tactile	1	2	2	0	0	0	1	6
Picture	0	0	0	0	2	0	2	4
Sounds*	1	0	0	0	0	0	0	1
Total	56	45	42	41	57	54	77	372

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**Supplemental Table 3.** Stimulus types across MAGs

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Stimulus types that were used across the naturalistic corpus and how they were clustered into MAGs based on the results of the clustering of corresponding activation patterns from each experiment in the corpus. \*Sounds was excluded from Figure 3b, as its low total term count caused a lack of readability in the graphical presentation and the stimulus category itself contributed very little to the overall discussion of the MAGs.

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