

Rank of ROIs showing best decoding results

The different regions were ranked based on how many significant time points they showed. Then, in the situations when there was a tie in the number of significant accuracies over time, the ROIs in the tie were sorted by maximal decoding accuracy.

Rank (out of 67)	ROI	Time windows (out of 17)
1	lateraloccipital-lh	14
2	lingual-lh	14
3	lingual-rh	13
4	inferiorparietal-lh	13
5	fusiform-lh	13
6	lateraloccipital-rh	13
7	pericalcarine-rh	13
8	cuneus-rh	13
9	pericalcarine-lh	13
10	superiorparietal-rh	13
11	superiorparietal-lh	13
12	precuneus-rh	13
13	cuneus-lh	13
14	inferiortemporal-rh	13
15	fusiform-rh	13
16	corpuscallosum-rh	13
17	supramarginal-lh	12
18	inferiortemporal-lh	12
19	precuneus-lh	12
20	inferiorparietal-rh	12
21	middletemporal-lh	12
22	middletemporal-rh	12
23	supramarginal-rh	12
24	bankssts-lh	12
25	superiortemporal-rh	12
26	corpuscallosum-lh	12
27	isthmuscingulate-rh	12
28	superiorfrontal-rh	11
29	postcentral-rh	11

30	bankssts-rh	11
31	superiortemporal-lh	10
32	precentral-lh	10
33	paracentral-lh	10
34	parahippocampal-lh	10
35	precentral-rh	10
36	postcentral-lh	10
37	isthmuscingulate-lh	10
38	rostralmiddlefrontal-rh	10
39	caudalmiddlefrontal-lh	10
40	posteriorcingulate-lh	9
41	lateralorbitofrontal-lh	9
42	rostralanteriorcingulate-rh	9
43	parstriangularis-lh	9
44	superiorfrontal-lh	9
45	medialorbitofrontal-rh	9
46	parsopercularis-lh	9
47	lateralorbitofrontal-rh	9
48	parstriangularis-rh	9
49	rostralmiddlefrontal-lh	8
50	posteriorcingulate-rh	8
51	rostralanteriorcingulate-lh	8
52	caudalmiddlefrontal-rh	8
53	medialorbitofrontal-lh	8
54	parahippocampal-rh	8
55	paracentral-rh	7
56	transversetemporal-rh	7
57	parsorbitalis-rh	6
58	transversetemporal-lh	6
59	parsopercularis-rh	4
60	caudalanteriorcingulate-rh	3
61	parsorbitalis-lh	2
62	entorhinal-rh	2
63	caudalanteriorcingulate-lh	1
64	temporalpole-lh	0

65	frontalpole-rh	0
66	temporalpole-rh	0
67	frontalpole-lh	0