	AALRegion Region	Weight1		Weight2	Topic2	Weight3	Topic3	
VISUAL	43 Calcarine L		mental_imagery		navigation	1.343	imagery	
	44 Calcarine R		navigation		mental_imagery		retrieval	
	45 Cuneus L		navigation		episodic_memory		memory	
	46 Cuneus R		navigation		encoding		attention	DEFAULT MODE
	47 Lingual L		navigation		memory		episodic_memory	
	48 Lingual R		navigation		episodic_memory		encoding	
	49 Occipital Sup L		multisensory		imagery		mental_imagery	
	50 Occipital Sup R		attention		spatial_attention		visual_attention	
	51 Occipital Mid L		attention		retrieval		memory	
	52 Occipital Mid R		attention		navigation		memory	
	53 Occipital Inf L		reading		naming		perception	
	54 Occipital Inf R		face_recognition		reading		perception	
	55 Fusiform L		recognition		memory		reading	
	56 Fusiform R		face_recognition		recognition		encoding	
	1 Precentral L		movement		action		coordination	
	2 Precentral R		movement		action		coordination	
	17 Rolandic Oper L	4.520			speech_production		movement	
	18 Rolandic Oper R 19 Supp Motor Area L	5.009			speech_production		multisensory	
ЭR	• • • • • • • • • • • • • • • • • • • •		movement movement		imagery coordination		planning	
SOMAMOTOR	20 Supp Motor Area R 57 Postcentral L		movement				imagery	
	58 Postcentral R			2.044			speech_production	
Ž	69 Paracentral Lobule L		movement movement	1.926		1.431	imagery	SUB CORTICAL
SO	70 Paracentral Lobule R	2.270			imagery movement		imagery	
	79 Heschl L		listening		speech_production		perception	
	80 Heschl R		listening		multisensory		speech_production	
	81 Temporal Sup L		listening		language		speech_production	
	82 Temporal Sup R		listening		speech_perception		speech_production	
	59 Parietal Sup L		imagery		action		attention	
DAT	60 Parietal Sup R		attention		action		movement	
	29 Insula L	4.412			valence	1.279	speech_production	
	30 Insula R	5.094	pain	1.451	response_inhibition	1.407	anticipation	
VAT	33 Cingulum Mid L	2.670	pain	1.116	movement	1.047	retrieval	
>	34 Cingulum Mid R	2.302	pain	1.148	cognitive_control	1.089	monitoring	
	63 SupraMarginal L	3.327	pain	3.076	action	1.923	movement	
	64 SupraMarginal R	3.350	pain	2.208	movement	1.816	action	
	5 Frontal Sup Orb L	1.037	emotion	0.902	decision_making	0.804	autobiographical_memo	
	6 Frontal Sup Orb R	1.271	decision_making		eating	0.928		
	21 Olfactory L	3.174	emotion	2.706	anticipation	2.445	reward_anticipation	
	22 Olfactory R	2.907	reward_anticipatio	2.590	emotion	2.437	anticipation	
LIMBIC	27 Rectus L	2.088	emotion		arousal	1.542		
	28 Rectus R	1.809	emotion	1.644	fear	1.637	arousal	
	39 ParaHippocampal L	3.931	memory		episodic_memory		encoding	5
≥	40 ParaHippocampal R	3.723	memory	3.518	encoding		navigation	CEREBELLUM
	83 Temporal Pole Sup L	2.177	language	1.682	language_comprehens	1.665	autobiographical_memo	긆
	84 Temporal Pole Sup R		emotion	1.508	valence	1.385	listening	EB
	87 Temporal Pole Mid L	1.783	semantic_memory	1.389	memory	1.358	memory_retrieval	Ü
	88 Temporal Pole Mid R		semantic_memory		emotion		episodic_memory	
	89 Temporal Inf L		$semantic_memory$		reading		memory	
	90 Temporal Inf R		recognition		face_recognition		memory	
FPA	7 Frontal Mid L		memory		retrieval		working_memory	
	8 Frontal Mid R		working_memory		memory		cognitive_control	
	9 Frontal Mid Orb L		decision_making		decision		valence	
	10 Frontal Mid Orb R		decision_making		emotion_regulation		emotion	
	11 Frontal Inf Oper L		language		reading		working_memory	
	12 Frontal Inf Oper R		response_inhibition		working_memory		interference	
	13 Frontal Inf Tri L		language		reading		retrieval	
	14 Frontal Inf Tri R		empathy		meaning		memory	
	61 Parietal Inf L	2.802	working_memory	2.606	action	2.518	memory	

AALRegion Region	Weight1 Topic1	Weight2 Topic2	Weight3 Topic3
62 Parietal Inf R	2.873 working_memory	2.134 attention	2.006 memory
3 Frontal Sup L	1.582 memory	1.577 retrieval	1.067 memory_retrieval
4 Frontal Sup R	1.080 working memory	1.077 memory	0.982 response inhibition
15 Frontal Inf Orb L	2.801 language	2.040 retrieval	1.915 meaning
16 Frontal Inf Orb R	1.999 emotion	1.712 valence	1.311 arousal
23 Frontal Sup Medial L	1.783 emotion	1.752 autobiographical_me	1.748 memory
24 Frontal Sup Medial R	1.556 emotion	1.332 belief	1.292 valence
25 Frontal Med Orb L	2.980 autobiographical_memor	2.369 decision_making	2.361 emotion
26 Frontal Med Orb R	2.732 decision_making	1.875 decision	1.846 valence
31 Cingulum Ant L	2.608 pain	2.308 emotion	1.992 decision_making
32 Cingulum Ant R	2.066 pain	1.695 arousal	1.560 valence
35 Cingulum Post L	3.464 memory	3.268 retrieval	2.433 autobiographical_memory
36 Cingulum Post R	2.861 autobiographical_memor	2.009 memory	1.561 retrieval
65 Angular L	4.494 retrieval	3.606 memory_retrieval	3.492 memory
66 Angular R	2.445 retrieval	2.032 memory	1.411 attention
67 Precuneus L	1.897 retrieval	1.657 episodic_memory	1.642 navigation
68 Precuneus R	2.097 memory	1.837 navigation	1.835 episodic_memory
85 Temporal Mid L	3.833 language	2.527 reading	2.281 meaning
86 Temporal Mid R	1.839 perception	1.452 social_cognition	1.308 autobiographical_memory
37 Hippocampus L	5.366 memory	5.040 encoding	4.520 retrieval
38 Hippocampus R	4.696 memory	4.347 encoding	3.934 episodic_memory
41 Amygdala L	11.212 emotion	10.255 fear	5.985 anxiety
42 Amygdala R	10.955 fear	8.379 emotion	5.566 valence
71 Caudate L	3.966 anticipation	3.576 reward_anticipation	1.897 learning
72 Caudate R	3.587 anticipation	3.578 reward_anticipation	1.995 addiction
73 Putamen L	2.591 movement	2.518 anticipation	2.239 reward_anticipation
74 Putamen R 75 Pallidum L	2.177 pain 3.316 movement	2.019 movement 2.970 anticipation	2.013 anticipation 2.149 speech_production
76 Pallidum R	3.126 movement	2.976 anticipation	1.895 motor control
77 Thalamus L	3.758 pain	2.270 movement	1.367 anticipation
78 Thalamus R	3.882 pain	1.704 movement	1.694 coordination
91 Cerebelum Crus1 L	1.167 rehearsal	1.166 memory	1.152 motor control
92 Cerebelum Crus1 R	1.202 memory	0.937 reading	0.919 encoding
93 Cerebelum Crus2 L	0.921 timing	0.658 motor_control	0.591 working_memory
94 Cerebelum Crus2 R	0.808 reading	0.752 semantic_memory	0.698 autobiographical_memory
95 Cerebelum 3 L	2.394 pain	1.787 maintenance	1.639 verbal_memory
96 Cerebelum 3 R	2.408 eating	2.122 pain	1.964 navigation
97 Cerebelum 4 5 L	2.006 imagery	1.897 coordination	1.758 episodic_memory
98 Cerebelum 4 5 R	2.806 movement	2.510 coordination	1.717 navigation
99 Cerebelum 6 L	2.378 movement	2.186 coordination	1.890 speech_production
100 Cerebelum 6 R	2.323 movement	2.273 rehearsal	1.756 motor_control
101 Cerebelum 7b L	1.209 pain	1.106 motor_control	0.877 timing
102 Cerebelum 7b R	1.562 rehearsal	1.063 memory	0.928 working_memory
103 Cerebelum 8 L	1.305 rhythm	1.289 pain	1.245 movement
104 Cerebelum 8 R	2.262 motor_control	1.420 coordination	1.417 movement
105 Cerebelum 9 L	1.115 learning	0.967 rehearsal	0.913 loss
106 Cerebelum 9 R	1.546 autobiographical_memor		1.083 pain
107 Cerebelum 10 L	1.719 autobiographical_memor		1.150 learning
108 Cerebelum 10 R 109 Vermis 1 2	1.167 motor_control 2.388 loss	1.056 concept 1.852 pain	0.855 salience 1.765 consolidation
110 Vermis 3	2.710 pain	1.781 induction	1.429 recall
110 Vermis 3	2.790 coordination	2.140 imagery	1.869 movement
112 Vermis 6	3.348 movement	2.792 coordination	2.331 timing
113 Vermis 7	2.809 memory	2.318 working memory	2.024 navigation
114 Vermis 8	3.179 coordination	1.968 movement	1.454 timing
115 Vermis 9	1.868 autobiographical_memor		1.593 navigation
116 Vermis 10	1.173 pain	1.119 timing	1.044 coordination