

Supplemental Table 4: Networks active during cognitive processes identified by sog-ICA

Region	Females							Males						
	BA	R/L	X	Y	Z	t-score	p-value	BA	R/L	X	Y	Z	t-score	p-value
Frontal														
Superior frontal gyrus	8	R	44	12	39	9.16	2.09E-08	8	R	27	24	51	7.08	9.76E-07
		L	-38	28	40	4.7	1.55E-04							
Middle frontal gyrus	6	R	44	7	41	7.41	5.04E-07	6	R	25	5	53	8.63	5.27E-08
		L							L	-28	4	54	4.61	1.90E-04
	9,46	R	44	28	31	8.65	5.15E-08	9	R	43	27	31	7.49	4.33E-07
		L	-38	38	26	4.02	7.00E-04		L	-42	29	31	3.43	2.80E-03
	10	R	39	49	13	8.14	1.28E-07	10	R	38	48	6	8.15	1.36E-07
		L	-33	47	-2	2.89	9.27E-03		L	-33	53	4	5.51	2.60E-05
Inferior frontal gyrus	44	R	55	10	16	3.43	2.78E-02	44	R	52	12	11	4.47	2.63E-04
		47	R	46	34	-2	4.5		2.41E-04					
Parietal														
Inferior parietal	40, 39	R	42	-52	43	10.98	1.14E-09	40,39	R	49	-37	42	9.36	1.50E-08
		L	-48	-49	46	5.9	1.10E-05		L	-42	-58	40	5.69	1.70E-05
Precuneus	7	R	9	-73	40	3.38	3.11E-03	7	R	10	-77	48	4.25	0.00043
Temporal														
Superior temporal	22	R	58	-52	12	3.92	9.15E-04							
Middle temporal	21,37	R	58	-20	-3	4.52	2.30E-04	20,21,37	R	60	-37	-5	6.27	5.00E-06
								20	L	-57	-45	-9	3.19	4.82E-03
Limbic/paralimbic														
PCC	31	R+L	3	-37	40	5.55	2.30E-05	31	R+L	3	-34	37	5.79	1.40E-05
Border aMCC & 9	32/9	R	8	38	22	5.22	4.80E-05	32/9	R	7	39	28	3.07	3.51E-03
FI	13	R	36	17	2	5.71	1.60E-05	13	R	33	20	4	3.39	3.06E-03
Subcortical														
Caudate body		R	12	2	16	5.55	2.00E-05		R	12	11	16	2.68	1.49E-02
Medial dorsal nucleus									R	6	-16	7	3.73	1.41E-03
Cerebellum														
Posterior lobe									R	9	-70	-26	2.76	1.24E-02
		L	-30	-63	-25	4.753	1.38E-04	L	-15	-79	-20	3.79	1.25E-03	
Anterior lobe								L	-30	-61	-26	3.13	5.48E-03	

Coordinates are in Talaraich space. PCC, posterior cingulate; pMCC, posterior middle cingulate cortex; aMCC, anterior middle cingulate cortex; FI, frontoinsula