Supplementary Table 9: Significance of 66 ROIs under joint variance (JVAR) test. Greater significance and lower p-values under JVAR test implies ROI better characterizes S^+ (n=37) as group relative to S^- (n=442) in thickness, area, and volume measurements simultaneously. (a) One-sided F-tests for ratio of variances, with 36 and 441 degrees of freedom, between the groups were performed for thickness, area, and volume variables of each respective ROI. (b) The p-value for the JVAR test statistic $T_j = 1 - \prod_{k=1}^{3}(1 - p_{jk})$ were generated through permutation distributions, as described in methods section. (c) FDR-adjusted p-values are over JVAR tests for 66 ROIs. (d) The left temporal pole had a FDR-adjusted p-value less than 0.05.

Rank	Region of Interest	Ratio of Variances F-test [a] (p_{jk})			JVAR Test [b]		
		Thickness	Area	Volume	Statistic T_j	p-value	FDR[c]
1	LH.temporalpole [d]	0.044	0.014	0.002	0.0582	0.0005	0.035
2	LH.lingual	0.002	0.033	0.006	0.0403	0.0016	0.052
3	RH.middletemporal	0.080	0.228	0.093	0.3558	0.0266	0.524
4	LH.caudalanteriorcingulate	0.028	0.235	0.109	0.3381	0.0318	0.524
5	RH.rostralanteriorcingulate	0.029	0.074	0.285	0.3576	0.0427	0.563
6	LH.transversetemporal	0.031	0.053	0.385	0.4352	0.0533	0.586
7	RH.transversetemporal	0.047	0.286	0.220	0.4686	0.0797	0.703
8	LH.entorhinal	0.065	0.063	0.372	0.4499	0.0852	0.703
9	LH.fusiform	0.286	0.256	0.244	0.5979	0.1211	0.802
10	RH.medialorbitofrontal	0.016	0.460	0.284	0.6193	0.1409	0.802
11	LH.caudalmiddlefrontal	0.610	0.017	0.040	0.6318	0.1423	0.802
12	LH.lateralorbitofrontal	0.185	0.304	0.404	0.6620	0.1638	0.802
13	LH.superiorparietal	0.148	0.406	0.273	0.6322	0.1686	0.802
14	RH.caudalmiddlefrontal	0.537	0.132	0.117	0.6447	0.1754	0.802
15	RH.parstriangularis	0.085	0.521	0.275	0.6821	0.1889	0.802
16	RH.paracentral	0.629	0.010	0.001	0.6330	0.2185	0.802
17	LH.rostralanteriorcingulate	0.007	0.529	0.393	0.7162	0.2237	0.802
18	RH.posteriorcingulate	0.237	0.390	0.359	0.7016	0.2280	0.802
19	LH.pericalcarine	0.593	0.207	0.203	0.7426	0.2347	0.802
20	RH.superiorparietal	0.563	0.215	0.301	0.7602	0.2614	0.802
21	RH.parahippocampal	0.412	0.031	0.634	0.7913	0.2940	0.802
22	RH.inferiortemporal	0.242	0.320	0.623	0.8057	0.3070	0.802
23	LH.cuneus	0.004	0.717	0.229	0.7828	0.3401	0.802
24	RH.pericalcarine	0.569	0.289	0.493	0.8447	0.3588	0.802
25	RH.postcentral	0.106	0.592	0.452	0.8002	0.3624	0.802
26	LH.inferiorparietal	0.711	0.165	0.344	0.8418	0.3717	0.802
27	RH.isthmuscingulate	0.685	0.231	0.399	0.8546	0.3731	0.802
28	LH.parsopercularis	0.640	0.171	0.459	0.8388	0.3795	0.802
29	LH.paracentral	0.757	0.315	0.135	0.8562	0.3871	0.802
30	LH.precentral	0.612	0.109	0.484	0.8218	0.3888	0.802
31	RH.fusiform	0.077	0.779	0.315	0.8605	0.4025	0.802
32	LH.medialorbitofrontal	0.561	0.485	0.444	0.8743	0.4090	0.802
33	LH.rostralmiddlefrontal	0.419	0.224	0.726	0.8764	0.4260	0.802

Supplementary Table 9: Significance of 66 ROIs under joint variance (JVAR) test. Greater significance and lower p-values under JVAR test implies ROI better characterizes S^+ (n=37) as group relative to S^- (n=442) in thickness, area, and volume measurements simultaneously. (a) One-sided F-tests for ratio of variances, with 36 and 441 degrees of freedom, between the groups were performed for thickness, area, and volume variables of each respective ROI. (b) The p-value for the JVAR test statistic $T_j = 1 - \prod_{k=1}^{3}(1 - p_{jk})$ were generated through permutation distributions, as described in methods section. (c) FDR-adjusted p-values are over JVAR tests for 66 ROIs. (d) The left temporal pole had a FDR-adjusted p-value less than 0.05.

		Ratio of Variances F-test [a](p_{jk})			JVAR Test [b]		
Rank	Region of Interest	Thickness	Area	Volume	Statistic T_j	p-value	FDR[c]
34	RH.superiortemporal	0.831	0.059	0.229	0.8775	0.4280	0.802
35	RH.parsopercularis	0.632	0.391	0.483	0.8839	0.4292	0.802
36	RH.cuneus	0.714	0.247	0.511	0.8946	0.4627	0.802
37	LH.parstriangularis	0.205	0.727	0.520	0.8958	0.4627	0.802
38	LH.bankssts	0.796	0.253	0.343	0.8997	0.4695	0.802
39	RH.entorhinal	0.479	0.372	0.625	0.8774	0.4740	0.802
40	RH.rostralmiddlefrontal	0.885	0.047	0.203	0.9125	0.4954	0.807
41	LH.superiortemporal	0.855	0.197	0.288	0.9170	0.5016	0.807
42	RH.precentral	0.175	0.604	0.470	0.8269	0.5423	0.816
43	RH.temporalpole	0.813	0.469	0.285	0.9291	0.5448	0.816
44	LH.inferiortemporal	0.862	0.084	0.482	0.9343	0.5486	0.816
45	RH.lingual	0.593	0.566	0.605	0.9302	0.5563	0.816
46	LH.supramarginal	0.749	0.508	0.522	0.9410	0.5781	0.817
47	RH.bankssts	0.616	0.708	0.527	0.9469	0.5967	0.817
48	RH.parsorbitalis	0.360	0.672	0.757	0.9490	0.6015	0.817
49	LH.superiorfrontal	0.126	0.754	0.777	0.9519	0.6064	0.817
50	RH.frontalpole	0.086	0.533	0.904	0.9590	0.6195	0.818
51	RH.lateralorbitofrontal	0.728	0.657	0.600	0.9626	0.6631	0.858
52	LH.precuneus	0.627	0.717	0.722	0.9707	0.6773	0.860
53	RH.precuneus	0.756	0.545	0.848	0.9831	0.7598	0.899
54	RH.supramarginal	0.839	0.643	0.775	0.9870	0.7681	0.899
55	RH.lateraloccipital	0.754	0.424	0.913	0.9877	0.7765	0.899
56	LH.middletemporal	0.620	0.811	0.746	0.9817	0.7767	0.899
57	RH.caudalanteriorcingulate	0.811	0.538	0.904	0.9916	0.7837	0.899
58	LH.parahippocampal	0.173	0.476	0.960	0.9828	0.7903	0.899
59	LH.postcentral	0.685	0.735	0.926	0.9938	0.8180	0.915
60	LH.parsorbitalis	0.983	0.345	0.221	0.9914	0.8420	0.926
61	LH.isthmuscingulate	1.000	0.194	0.215	0.9999	0.9175	0.979
62	LH.frontalpole	0.615	0.402	0.991	0.9980	0.9276	0.979
63	LH.posteriorcingulate	0.784	0.891	0.944	0.9987	0.9343	0.979
64	RH.superiorfrontal	0.120	0.938	0.979	0.9988	0.9505	0.980
65	RH.inferiorparietal	0.443	0.976	0.997	1.0000	0.9853	0.994
66	LH.lateraloccipital	0.990	0.919	0.940	1.0000	0.9944	0.994