

Supplementary Table 1.

Mean Asymmetry Coefficients, Univariate t-value and FDR-corrected p value, by FreeSurfer Parcellation

Parcellation Number	Parcellation Name	Surface Area Asymmetry			Cortical Thickness Asymmetry			Local Gyrfication Asymmetry		
		Mean	T Value	P Value	Mean	T Value	P Value	Mean	T Value	P Value
1	asy_GS_frontomargin	0.169	15.54	0.00000	-0.042	-5.83	0.00000	0.014	4.36	0.00004
2	asy_GS_occipital_inf	0.201	12.67	0.00000	-0.073	-11.82	0.00000	-0.005	-1.22	0.29445
3	asy_GS_paracentral	0.088	7.89	0.00000	0.007	1.39	0.19561	-0.005	-1.65	0.15213
4	asy_GS_subcentral	0.129	12.93	0.00000	-0.025	-4.67	0.00001	0.000	-0.09	0.94091
6	asy_GS_cingul-Ant	-0.188	-28.20	0.00000	0.023	4.30	0.00005	-0.035	-15.48	0.00000
7	asy_GS_cingul-Mid-Ant	-0.101	-9.69	0.00000	-0.024	-5.07	0.00000	-0.032	-10.99	0.00000
8	asy_GS_cingul-Mid-Post	-0.083	-9.63	0.00000	0.003	0.60	0.57238	0.002	0.69	0.54939
9	asy_G_cingul-Post-dorsal	0.053	3.45	0.00081	0.018	3.67	0.00052	-0.014	-3.32	0.00187
10	asy_G_cingul-Post-ventral	0.097	5.40	0.00000	-0.140	-16.13	0.00000	-0.062	-13.27	0.00000
11	asy_G_cuneus	-0.039	-3.61	0.00047	-0.025	-5.65	0.00000	-0.073	-16.18	0.00000
12	asy_G_front_inf-Opercular	0.128	10.41	0.00000	-0.025	-5.86	0.00000	-0.014	-2.80	0.00929
14	asy_G_front_inf-Triangul	0.044	2.79	0.00671	-0.036	-7.70	0.00000	0.013	2.42	0.02612
15	asy_G_front_middle	0.103	12.04	0.00000	-0.011	-3.98	0.00019	0.004	1.49	0.19579
16	asy_G_front_sup	0.050	8.76	0.00000	0.020	9.15	0.00000	-0.031	-13.97	0.00000
17	asy_G_Ins_lgS_cent_ins	-0.030	-2.43	0.01770	-0.025	-3.68	0.00051	0.002	0.34	0.79288
18	asy_G_insular_short	0.092	8.07	0.00000	0.009	1.83	0.09101	0.006	1.17	0.30816
19	asy_G_occipital_middle	-0.061	-5.56	0.00000	-0.036	-9.42	0.00000	0.006	1.35	0.23752
20	asy_G_occipital_sup	-0.106	-10.11	0.00000	-0.013	-2.84	0.00726	-0.049	-12.31	0.00000
21	asy_G_oc-temp_lat-fusifor	-0.005	-0.31	0.75411	0.000	0.05	0.96343	0.029	10.44	0.00000
22	asy_G_oc-temp_med-Lingual	0.088	9.65	0.00000	-0.053	-12.99	0.00000	-0.048	-12.35	0.00000
23	asy_G_oc-temp_med-Parahip	-0.128	-11.67	0.00000	-0.020	-3.91	0.00024	0.018	5.85	0.00000
24	asy_G_orbital	-0.058	-10.07	0.00000	-0.012	-3.37	0.00139	0.005	1.58	0.16718
25	asy_G_pariet_inf-Angular	-0.168	-14.39	0.00000	-0.021	-5.79	0.00000	0.001	0.32	0.79529
26	asy_G_pariet_inf-Supramar	0.093	9.09	0.00000	-0.028	-7.54	0.00000	0.018	5.64	0.00000
27	asy_G_parietal_sup	0.196	18.23	0.00000	0.006	1.85	0.08906	0.002	0.83	0.47087
28	asy_G_postcentral	0.104	12.06	0.00000	0.008	1.95	0.07323	0.012	4.63	0.00001
29	asy_G_precentral	0.013	1.57	0.12379	-0.004	-1.06	0.31369	0.012	4.28	0.00006
30	asy_G_precuneus	0.004	0.37	0.72552	0.013	3.50	0.00089	-0.033	-9.76	0.00000
31	asy_G_rectus	0.320	32.93	0.00000	0.066	10.33	0.00000	-0.033	-11.40	0.00000
33	asy_G_temp_sup-G_T_transv	0.293	19.25	0.00000	-0.025	-3.79	0.00037	0.001	0.26	0.81625
34	asy_G_temp_sup-Lateral	0.114	14.82	0.00000	-0.038	-8.88	0.00000	0.003	0.83	0.47087
35	asy_G_temp_sup-Plan_polar	-0.082	-5.15	0.00000	0.024	3.78	0.00037	-0.048	-6.45	0.00000
36	asy_G_temp_sup-Plan_tempo	0.176	11.41	0.00000	-0.041	-5.72	0.00000	-0.014	-3.32	0.00187
37	asy_G_temporal_inf	0.110	10.09	0.00000	-0.016	-4.33	0.00005	0.045	13.29	0.00000
38	asy_G_temporal_middle	-0.050	-5.80	0.00000	-0.045	-11.22	0.00000	0.037	9.23	0.00000
39	asy_Lat_Fis-ant-Horizont	-0.211	-12.51	0.00000	-0.020	-1.74	0.10687	-0.028	-4.19	0.00008

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40	asy_Lat_Fis-ant-Vertical	0.263	9.13	0.00000		-0.072	-6.77	0.00000		0.006	1.06	0.35016
41	asy_Lat_Fis-post	-0.188	-21.50	0.00000		-0.062	-10.83	0.00000		-0.032	-7.75	0.00000
42	asy_Pole_occipital	-0.386	-42.65	0.00000		0.006	1.25	0.23910		-0.019	-4.91	0.00000
43	asy_Pole_temporal	0.057	8.23	0.00000		-0.021	-4.65	0.00001		0.012	3.02	0.00484
44	asy_S_calcarine	0.059	8.25	0.00000		-0.029	-6.16	0.00000		-0.056	-15.35	0.00000
45	asy_S_central	0.013	2.71	0.00824		0.017	4.63	0.00001		0.019	7.04	0.00000
46	asy_S_cingul-Marginalis	-0.160	-15.22	0.00000		0.005	0.85	0.41976		-0.012	-3.65	0.00063
47	asy_S_circular_insula_ant	-0.163	-13.24	0.00000		-0.049	-6.83	0.00000		0.037	5.74	0.00000
48	asy_S_circular_insula_inf	0.154	23.04	0.00000		0.012	2.30	0.03200		0.004	0.93	0.42000
49	asy_S_circular_insula_sup	0.242	38.88	0.00000		-0.057	-14.10	0.00000		-0.001	-0.30	0.79908
50	asy_S_collat_transv_ant	-0.032	-2.05	0.04480		-0.004	-0.43	0.67944		0.038	10.41	0.00000
51	asy_S_collat_transv_post	-0.279	-11.14	0.00000		-0.014	-1.76	0.10491		0.011	2.62	0.01554
52	asy_S_front_inf	0.094	7.45	0.00000		-0.042	-10.04	0.00000		0.020	5.09	0.00000
53	asy_S_front_middle	-0.342	-20.74	0.00000		-0.003	-0.53	0.61231		-0.014	-3.43	0.00137
54	asy_S_front_sup	0.071	7.40	0.00000		-0.004	-1.23	0.24266		0.000	0.07	0.94091
56	asy_S_intraparietP_trans	-0.026	-2.36	0.02095		-0.006	-1.56	0.14506		0.002	0.69	0.54939
57	asy_S_oc_middleLunatus	0.078	4.11	0.00007		-0.054	-7.35	0.00000		0.008	1.61	0.16016
58	asy_S_oc_suptransversal	-0.184	-11.41	0.00000		-0.008	-1.55	0.14506		-0.010	-2.41	0.02612
60	asy_S_oc-temp_lat	0.023	1.29	0.20345		-0.023	-3.19	0.00254		0.043	11.76	0.00000
61	asy_S_oc-temp_medLingual	0.076	8.43	0.00000		0.009	1.64	0.12808		0.004	1.10	0.33467
62	asy_S_orbital_lateral	-0.091	-4.11	0.00007		-0.033	-2.84	0.00726		-0.008	-1.38	0.22880
63	asy_S_orbital_med-olfact	-0.058	-4.47	0.00002		0.094	10.22	0.00000		-0.002	-0.51	0.67138
64	asy_S_orbital-H_Shaped	-0.077	-8.70	0.00000		-0.024	-3.69	0.00050		0.018	5.06	0.00000
65	asy_S_parieto_occipital	-0.080	-7.13	0.00000		-0.018	-3.66	0.00053		-0.052	-14.50	0.00000
66	asy_S_pericallosal	-0.344	-26.45	0.00000		0.039	4.53	0.00002		-0.015	-4.68	0.00001
67	asy_S_postcentral	0.165	15.79	0.00000		-0.006	-1.33	0.21375		0.015	5.70	0.00000
68	asy_S_precentral-inf-part	-0.110	-7.74	0.00000		-0.041	-8.68	0.00000		0.023	5.06	0.00000
69	asy_S_precentral-sup-part	-0.037	-2.59	0.01149		-0.006	-1.23	0.24266		0.006	1.45	0.20462
71	asy_S_subparietal	-0.093	-5.63	0.00000		0.010	1.70	0.11529		-0.038	-8.37	0.00000
72	asy_S_temporal_inf	0.135	7.98	0.00000		-0.057	-7.65	0.00000		0.042	9.61	0.00000
73	asy_S_temporal_sup	-0.085	-11.41	0.00000		-0.062	-18.34	0.00000		0.020	6.11	0.00000
74	asy_S_temporal_transverse	0.189	9.45	0.00000		-0.106	-9.60	0.00000		-0.005	-1.17	0.30816