

Supplementary materials for:

Distinct sex differences in personality traits associated with brain regional gray matter volumes

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Supplementary Table S1. The brain regions showing the correlations with each personality factor with uncorrected $p < 0.05$. As seen, the distribution of these regions for each personality factor differed between male and female subjects.

Harm Avoidance

No.	Region	r (p)	
		male	female
7	S_Sup_Frontal-1-L	-0.27 (0.006)	-
9	S_Sup_Frontal-2-L	-0.21 (0.038)	-
15	S_Sup_Frontal-5-L	0.21 (0.032)	-
18	S_Sup_Frontal-6-R	0.20 (0.045)	-
23	G_Frontal_Mid-3-L	-	0.21 (0.030)
26	G_Frontal_Mid-4-R	-	0.23 (0.017)
45	S_Orbital-1-L	-	0.21 (0.028)
47	S_Orbital-2-L	-	0.21 (0.024)
73	S_Postcentral-2-L	-	0.22 (0.021)
89	G_SupraMarginal-2-L	-	0.24 (0.011)
104	G_Angular-2-R	-0.22 (0.029)	-
108	G_Parietal_Inf-1-R	-0.31 (0.002)	-
121	G_Occipital_Lat-2-L	-0.20 (0.047)	-
137	G_Occipital_Mid-4-L	-0.22 (0.029)	-
163	G_Temporal_Sup-3-L	0.21 (0.032)	-
175	S_Sup_Temporal-5-L	-0.21 (0.034)	-
177	G_Temporal_Mid-1-L	0.22 (0.024)	-
179	G_Temporal_Mid-2-L	0.22 (0.024)	-
186	G_Temporal_Inf-1-R	0.29 (0.003)	-
187	G_Temporal_Inf-2-L	0.20 (0.043)	-
188	G_Temporal_Inf-2-R	0.30 (0.002)	-
221	G_Supp_Motor_Area-2-L	-	-0.19 (0.043)
223	G_Supp_Motor_Area-3-L	-	-0.21 (0.027)
234	S_Cingulate-5-R	-0.20 (0.043)	-
271	G_Precuneus-7-L	-0.20 (0.047)	-
280	S_Parietooccipital-2-R	-0.21 (0.030)	-
286	S_Parietooccipital-5-R	-0.27 (0.006)	-
288	S_Parietooccipital-6-R	-0.25 (0.010)	-
291	G_Cuneus-2-L	-0.23 (0.019)	0.19 (0.043)

295	G_Calcarine-2-L	-0.22 (0.026)	-
297	G_Calcarine-3-L	-0.27 (0.005)	-
309	G_Lingual-6-L	-0.22 (0.025)	-
316	G_ParaHippocampal-1_2_3-R	0.21 (0.038)	-
320	G_ParaHippocampal-5-R	0.20 (0.046)	-
324	G_Fusiform-2-R	0.24 (0.015)	-
326	G_Fusiform-3-R	0.20 (0.046)	-
352	N_Thalamus-1-R	0.22 (0.028)	-
356	N_Thalamus-3-R	0.23 (0.022)	-
363	N_Thalamus-7-L	0.21 (0.031)	-
364	N_Thalamus-7-R	0.23 (0.021)	-
365	N_Thalamus-8-L	0.23 (0.020)	-
366	N_Thalamus-8-R	0.26 (0.008)	-
367	N_Thalamus-9-L	0.27 (0.005)	-
368	N_Thalamus-9-R	0.34 (0.001)	-
373	Cerebelum_3_L	-	-0.25 (0.008)
375	Cerebelum_4_5_L	-	-0.22 (0.021)
377	Cerebelum_6_L	-	-0.19 (0.048)
383	Vermis_1_2_3	-	-0.23 (0.014)
384	Vermis_4_5	-	-0.23 (0.014)

Novelty Seeking

No.	Region	r (p)	
		male	female
43	G_Frontal_Inf_Orb-2-L	-	-0.20 (0.034)
45	S_Orbital-1-L	-	-0.21 (0.031)
46	S_Orbital-1-R	-	-0.20 (0.039)
47	S_Orbital-2-L	-	-0.20 (0.036)
52	S_Precentral-1-R	-	-0.26 (0.006)
60	S_Precentral-5-R	-	-0.19 (0.044)
73	S_Postcentral-2-L	-	-0.26 (0.006)
75	S_Postcentral-3-L	0.25 (0.012)	-
77	G_Parietal_Sup-1-L	-	-0.23 (0.016)
78	G_Parietal_Sup-1-R	-	-0.22 (0.022)
79	G_Parietal_Sup-2-L	-	-0.22 (0.021)
80	G_Parietal_Sup-2-R	-	-0.23 (0.016)
81	G_Parietal_Sup-3-L	-	-0.24 (0.013)
104	G_Angular-2-R	0.23 (0.019)	-
143	G_Insula-anterior-1-L	-	-0.27 (0.005)
149	G_Insula-anterior-4-L	-	-0.19 (0.049)
155	G_Rolandic_Oper-1-L	-	-0.23 (0.017)
156	G_Rolandic_Oper-1-R	-	-0.19 (0.047)
167	S_Sup_Temporal-1-L	-0.23 (0.023)	-
175	S_Sup_Temporal-5-L	0.28 (0.005)	-
186	G_Temporal_Inf-1-R	-0.26 (0.008)	-
188	G_Temporal_Inf-2-R	-0.25 (0.012)	-
194	G_Temporal_Inf-5-R	-	-0.20 (0.041)
199	G_Temporal_Pole_Mid-1-L	-0.24 (0.016)	-
216	G_Frontal_Med_Orb-2-R	0.22 (0.026)	-
219	G_Supp_Motor_Area-1-L	0.20 (0.040)	-
266	G_Precuneus-4-R	0.22 (0.027)	-
286	S_Parietooccipital-5-R	0.20 (0.039)	-
291	G_Cuneus-2-L	-	-0.28 (0.004)
309	G_Lingual-6-L	-	-0.21 (0.029)
327	G_Fusiform-4_5-L	0.20 (0.045)	-
333	N_Amygdala-1-L	-	-0.30 (0.002)
334	N_Amygdala-1-R	-	-0.24 (0.012)

343	N_Caudate-6_7-L	0.22 (0.029)	-
344	N_Caudate-6_7-R	0.24 (0.014)	-
351	N_Thalamus-1-L	-	-0.21 (0.026)
352	N_Thalamus-1-R	-	-0.26 (0.006)
355	N_Thalamus-3-L	-	-0.23 (0.017)
356	N_Thalamus-3-R	-	-0.24 (0.010)
367	N_Thalamus-9-L	-	-0.22 (0.022)
368	N_Thalamus-9-R	-0.20 (0.044)	-0.23 (0.016)
384	Vermis_4_5	-	0.20 (0.035)

Persistence

No.	Region	r (p)	
		male	female
17	S_Sup_Frontal-6-L	-0.21 (0.034)	-
23	G_Frontal_Mid-3-L	0.21 (0.035)	-
25	G_Frontal_Mid-4-L	0.37 (0.0002)	-
27	G_Frontal_Mid-5-L	0.20 (0.043)	-
40	G_Frontal_Mid_Orb-2-R	0.24 (0.016)	-
51	S_Precentral-1-L	-	-0.22 (0.021)
54	S_Precentral-2-R	-	-0.29 (0.003)
61	S_Precentral-6-L	-	-0.23 (0.016)
62	S_Precentral-6-R	-	-0.36 (0.0001)
66	S_Rolando-2-R	-	-0.19 (0.045)
67	S_Rolando-3-L	-	-0.20 (0.033)
68	S_Rolando-3-R	-	-0.29 (0.002)
70	S_Rolando-4-R	-	-0.30 (0.01)
74	S_Postcentral-2-R	-	-0.25 (0.008)
113	S_Intraparietal-3-L	-	-0.23 (0.016)
114	S_Intraparietal-3-R	-	-0.21 (0.032)
117	G_Occipital_Pole-1-L	-	0.26 (0.006)
123	G_Occipital_Lat-3-L	-	0.22 (0.023)
127	G_Occipital_Lat-5-L	-	0.20 (0.037)
174	S_Sup_Temporal-4-R	-	-0.20 (0.036)
233	S_Cingulate-5-L	0.21 (0.037)	-
234	S_Cingulate-5-R	0.20 (0.043)	-
242	G_Cingulum_Ant-2-R	0.21 (0.038)	-
300	G_Lingual-1-R	-0.22 (0.029)	-
302	G_Lingual-2-R	-0.21 (0.036)	-
306	G_Lingual-4-R	-0.23 (0.021)	0.19 (0.043)
319	G_ParaHippocampal-5-L	-0.24 (0.014)	-
320	G_ParaHippocampal-5-R	-0.26 (0.008)	-
326	G_Fusiform-3-R	0.21 (0.030)	-
337	N_Caudate-3-L	-	-0.19 (0.043)
364	N_Thalamus-7-R	-0.20 (0.043)	-
374	Cerebelum_3_R	-0.20 (0.044)	-
376	Cerebelum_4_5_R	-0.24 (0.014)	-

381	Cerebelum_8_9_10_L	-0.21 (0.037)	-
386	Vermis_7	-0.23 (0.022)	-
387	Vermis_8	-0.27 (0.005)	-
388	Vermis_9_10	-0.23 (0.020)	-

Reward Dependence

No.	Region	r (p)	
		male	female
27	G_Frontal_Mid-5-L	-0.22 (0.023)	-
41	G_Frontal_Inf_Orb-1-L	-0.21 (0.030)	-
43	G_Frontal_Inf_Orb-2-L	-0.21 (0.036)	-
60	S_Precentral-5-R	-0.20 (0.048)	-
71	S_Postcentral-1-L	-	0.21 (0.029)
72	S_Postcentral-1-R	-	0.27 (0.004)
74	S_Postcentral-2-R	-	0.28 (0.003)
75	S_Postcentral-3-L	0.20 (0.045)	-
76	S_Postcentral-3-R	-	0.26 (0.005)
91	G_Supramarginal-3-L	-	0.28 (0.003)
92	G_Supramarginal-3-R	-	0.31 (0.001)
93	G_Supramarginal-4-L	-	0.26 (0.006)
94	G_Supramarginal-4-R	-	0.26 (0.006)
97	G_SupraMarginal-6-L	-	0.30 (0.001)
98	G_SupraMarginal-6-R	-	0.25 (0.008)
99	G_SupraMarginal-7-L	-	0.36 (0.0001)
103	G_Angular-2-L	0.21 (0.037)	-
109	S_Intraparietal-1-L	-	0.19 (0.0046)
124	G_Occipital_Lat-3-R	0.20 (0.043)	-
140	G_Occipital_Inf-1-R	-	0.22 (0.023)
145	G_Insula-anterior-2-L	0.20 (0.048)	-
146	G_Insula-anterior-2-R	-	0.21 (0.026)
166	G_Temporal_Sup-4-R	-0.24 (0.013)	-
172	S_Sup_Temporal-3-R	-0.24 (0.015)	-
173	S_Sup_Temporal-4-L	-	0.22 (0.024)
174	S_Sup_Temporal-4-R	-	0.19 (0.046)
175	S_Sup_Temporal-5-L	-	0.31 (0.001)
181	G_Temporal_Mid-3-L	-0.23 (0.022)	-
184	G_Temporal_Mid-4-R	-	0.21 (0.028)
189	G_Temporal_Inf-3-L	-0.22 (0.024)	-
192	G_Temporal_Inf-4-R	-	0.23 (0.015)
200	G_Temporal_Pole_Mid-1-R	-	0.19 (0.043)
247	G_Cingulum_Post-1-L	-0.20 (0.048)	-

249	G_Cingulum_Post-2_3-L	-	0.22 (0.020)
250	G_Cingulum_Post-2_3-R	-	0.24 (0.011)
266	G_Precuneus-4-R	-	0.31 (0.001)
268	G_Precuneus-5-R	-	0.19 (0.041)
326	G_Fusiform-3-R	-	0.21 (0.030)
328	G_Fusiform-4_5-R	-	0.22 (0.023)
332	G_Fusiform-7-R	-	-0.22 (0.020)
337	N_Caudate-3-L	-0.28 (0.004)	-
338	N_Caudate-3-R	-0.20 (0.039)	-
347	N_Putamen-2-L	-0.20 (0.040)	-
365	N_Thalamus-8-L	-0.22 (0.026)	-
367	N_Thalamus-9-L	-0.22 (0.029)	-

Cooperativeness

No.	Region	r (p)	
		male	female
7	S_Sup_Frontal-1-L	0.21 (0.032)	-
8	S_Sup_Frontal-1-R	0.24 (0.015)	-
10	S_Sup_Frontal-2-R	0.24 (0.014)	-
12	S_Sup_Frontal-3-R	-	0.20 (0.035)
13	S_Sup_Frontal-4-L	-	0.22 (0.022)
19	G_Frontal_Mid-1-L	0.20 (0.040)	-
38	G_Frontal_Mid_Orb-1-R	0.25 (0.010)	-
44	G_Frontal_Inf_Orb-2-R	-	0.22 (0.019)
46	S_Orbital-1-R	0.22 (0.023)	-
52	S_Precentral-1-R	-0.24 (0.016)	-
67	S_Rolando-3-L	0.21 (0.036)	-
83	G_Parietal_Sup-4-L	-	-0.24 (0.013)
94	G_Supramarginal-4-R	-	-0.20 (0.036)
97	G_SupraMarginal-6-L	-	-0.23 (0.018)
109	S_Intraparietal-1-L	-	-0.29 (0.002)
114	S_Intraparietal-3-R	-	-0.19 (0.050)
117	G_Occipital_Pole-1-L	0.25 (0.011)	-
119	G_Occipital_Lat-1-L	0.27 (0.007)	-
121	G_Occipital_Lat-2-L	0.32 (0.001)	-
125	G_Occipital_Lat-4-L	0.24 (0.016)	-
133	G_Occipital_Mid-2-L	0.23 (0.018)	-
136	G_Occipital_Mid-3-R	0.21 (0.031)	-
138	G_Occipital_Mid-4-R	0.30 (0.002)	-
148	G_Insula-anterior-3-R	-0.21 (0.033)	-
169	S_Sup_Temporal-2-L	-	0.29 (0.002)
172	S_Sup_Temporal-3-R	-	0.20 (0.033)
199	G_Temporal_Pole_Mid-1-L	-	0.19 (0.047)
205	G_Frontal_Sup_Medial-1-L	0.20 (0.043)	-
211	S_Anterior_Rostral-1-L	0.21 (0.038)	-
213	G_Frontal_Med_Orb-1-L	0.31 (0.001)	-
215	G_Frontal_Med_Orb-2-L	0.20 (0.047)	-
240	G_Cingulum_Ant-1-R	0.22 (0.030)	-
248	G_Cingulum_Post-1-R	-0.21 (0.032)	-

274	G_Precuneus-8-R	0.23 (0.019)	0.19 (0.045)
276	G_Precuneus-9-R	-	0.19 (0.048)
280	S_Parietooccipital-2-R	0.30 (0.002)	-
282	S_Parietooccipital-3-R	0.22 (0.027)	0.19 (0.048)
286	S_Parietooccipital-5-R	0.24 (0.014)	-
288	S_Parietooccipital-6-R	0.22 (0.029)	-
289	G_Cuneus-1-L	0.20 (0.049)	-
291	G_Cuneus-2-L	0.20 (0.039)	-
297	G_Calcarine-3-L	0.27 (0.005)	-
303	G_Lingual-3-L	-	0.21 (0.024)
310	G_Lingual-6-R	0.21 (0.030)	-

Self-directedness

No.	Region	r (p)	
		male	female
1	G_Frontal_Sup-1-L	0.24 (0.017)	-
7	S_Sup_Frontal-1-L	0.23 (0.020)	-
38	G_Frontal_Mid_Orb-1-R	0.21 (0.035)	-
62	S_Precentral-6-R	-	-0.21 (0.026)
63	S_Rolando-1-L	-	-0.21 (0.027)
67	S_Rolando-3-L	-	-0.21 (0.027)
68	S_Rolando-3-R	-	-0.20 (0.036)
71	S_Postcentral-1-L	-	-0.19 (0.044)
83	G_Parietal_Sup-4-L	-	-0.19 (0.049)
96	G_SupraMarginal-5-R	-	-0.21 (0.031)
100	G_SupraMarginal-7-R	-	-0.21 (0.031)
108	G_Parietal_Inf-1-R	0.22 (0.026)	-
117	G_Occipital_Pole-1-L	0.20 (0.043)	-
118	G_Occipital_Pole-1-R	0.24 (0.017)	-
119	G_Occipital_Lat-1-L	0.21 (0.033)	-
121	G_Occipital_Lat-2-L	0.20 (0.047)	-
122	G_Occipital_Lat-2-R	0.20 (0.049)	-
154	G_Insula-posterior-1-R	0.20 (0.045)	-
180	G_Temporal_Mid-2-R	-0.22 (0.024)	-0.28 (0.003)
182	G_Temporal_Mid-3-R	-	-0.22 (0.020)
190	G_Temporal_Inf-3-R	-	-0.20 (0.039)
206	G_Frontal_Sup_Medial-1-R	0.20 (0.045)	-
207	G_Frontal_Sup_Medial-2-L	0.28 (0.005)	-
213	G_Frontal_Med_Orb-1-L	0.24 (0.014)	-
242	G_Cingulum_Ant-2-R	0.21 (0.039)	-
244	G_Cingulum_Mid-1_2-R	0.28 (0.005)	-
262	G_Precuneus-2-R	-0.22 (0.029)	-
286	S_Parietooccipital-5-R	0.20 (0.042)	-
297	G_Calcarine-3-L	0.22 (0.026)	-
298	G_Calcarine-3-R	0.20 (0.040)	-
300	G_Lingual-1-R	-0.20 (0.047)	-
304	G_Lingual-3-R	-	0.20 (0.040)
309	G_Lingual-6-L	0.21 (0.031)	-

310	G_Lingual-6-R	0.21 (0.036)	-
313	G_Hippocampus-2-L	-	-0.26 (0.007)
321	G_Fusiform-1-L	-	0.23 (0.018)
322	G_Fusiform-1-R	-	0.22 (0.019)
346	N_Pallidum-1-R	-	-0.20 (0.036)
373	Cerebelum_3_L	-	0.20 (0.038)
374	Cerebelum_3_R	-0.22 (0.030)	-
378	Cerebelum_6_R	-	0.21 (0.029)
380	Cerebelum_7b_R	-	0.20 (0.038)

Self-transcendence

No.	Region	r (p)	
		male	female
5	G_Frontal_Sup-3-L	-0.21 (0.036)	-
6	G_Frontal_Sup-3-R	-0.22 (0.023)	-
7	S_Sup_Frontal-1-L	0.24 (0.016)	-
8	S_Sup_Frontal-1-R	0.20 (0.042)	-
13	S_Sup_Frontal-4-L	-0.21 (0.037)	-
15	S_Sup_Frontal-5-L	-0.23 (0.021)	-
17	S_Sup_Frontal-6-L	-0.21 (0.032)	-
28	G_Frontal_Mid-5-R	-	-0.19 (0.048)
37	G_Frontal_Mid_Orb-1-L	0.21 (0.035)	-
84	G_Parietal_Sup-4-R	0.21 (0.037)	0.22 (0.018)
86	G_Parietal_Sup-5-R	-	0.19 (0.045)
97	G_SupraMarginal-6-L	-	0.20 (0.035)
98	G_SupraMarginal-6-R	0.30 (0.002)	-
100	G_SupraMarginal-7-R	0.26 (0.008)	0.28 (0.003)
102	G_Angular-1-R	0.26 (0.010)	0.24 (0.010)
108	G_Parietal_Inf-1-R	0.26 (0.008)	0.22 (0.020)
112	S_Intraparietal-2-R	0.24 (0.014)	-
118	G_Occipital_Pole-1-R	0.20 (0.049)	-
120	G_Occipital_Lat-1-R	0.22 (0.028)	-
122	G_Occipital_Lat-2-R	0.22 (0.03)	-
135	G_Occipital_Mid-3-L	0.20 (0.048)	-
143	G_Insula-anterior-1-L	-	-0.23 (0.018)
155	G_Rolandic_Oper-1-L	-	-0.24 (0.012)
159	G_Temporal_Sup-1-L	-	-0.22 (0.019)
168	S_Sup_Temporal-1-R	-0.20 (0.049)	-
170	S_Sup_Temporal-2-R	-0.22 (0.030)	-
207	G_Frontal_Sup_Medial-2-L	-	0.19 (0.050)
213	G_Frontal_Med_Orb-1-L	0.26 (0.009)	-
217	G_subcallosal-1-L	-	-0.23 (0.017)
233	S_Cingulate-5-L	0.25 (0.010)	-
243	G_Cingulum_Mid-1_2-L	-	-0.22 (0.023)
252	G_Paracentral_Lobule-1-R	0.20 (0.040)	-
261	G_Precuneus-2-L	0.21 (0.035)	-

262	G_Precuneus-2-R	0.23 (0.021)	-
271	G_Precuneus-7-L	0.22 (0.023)	-
275	G_Precuneus-9-L	0.22 (0.024)	-
291	G_Cuneus-2-L	0.26 (0.007)	-
292	G_Cuneus-2-R	0.22 (0.028)	-
293	G_Calcarine-1-L	0.21 (0.039)	-
294	G_Calcarine-1-R	0.21 (0.033)	-
295	G_Calcarine-2-L	0.25 (0.013)	-
296	G_Calcarine-2-R	0.27 (0.006)	-
297	G_Calcarine-3-L	0.29 (0.003)	-
298	G_Calcarine-3-R	0.23 (0.020)	-
310	G_Lingual-6-R	0.23 (0.019)	-
333	N_Amygdala-1-L	-	-0.25 (0.009)
334	N_Amygdala-1-R	-	-0.23 (0.018)
337	N_Caudate-3-L	-0.22 (0.024)	-0.27 (0.004)
338	N_Caudate-3-R	-0.21 (0.036)	-
343	N_Caudate-6_7-L	0.23 (0.018)	-
358	N_Thalamus-4-R	-0.20 (0.049)	-
363	N_Thalamus-7-L	-0.20 (0.04)	-
366	N_Thalamus-8-R	-0.23 (0.022)	-
367	N_Thalamus-9-L	-	-0.21 (0.027)
368	N_Thalamus-9-R	-	-0.22 (0.020)
387	Vermis_8	-0.23 (0.021)	-

Supplementary Table S2. Regions determined with AICHA and AAL *

Region	Abbreviation	Nomenclature
Frontal	FR	G_Frontal_Sup-(1-3), G_Frontal_Mid-(1-5), G_Frontal_Inf_Tri-1, G_Frontal_Sup_Orb-1, G_Frontal_Mid_Orb-(1-2), G_Frontal_Inf_Orb-(1-2), G_Frontal_Med_Orb-(1-2), G_Frontal_Sup_Medial-(1-3), G_Subcallosal-1, G_Paracentral_Lobule-(1-4), S_Sup_Frontal-(1-6), S_Inf_Frontal-(1-2), S_Anterior_Rostral-1, S_Orbital-(1-2), S_Olfactory-1
Somatomotor	SM	G_Supp_Motor_Area-(1-3), S_Precentral-(1-6), S_Postcentral-(1-3), S_Rolando-(1-4)
Temporal	TE	G_Temporal_Sup-(1-4), G_Temporal_Mid-(1-4), G_Temporal_Inf-(1-5), G_Temporal_Pole_Sup-(1-2), G_Temporal_Pole_Mid-(1-3), G_Fusiform-(1-7), G_Rolandic_Oper-(1-2), S_Sup_Temporal-(1-5)
Parietal	PA	G_Parietal_Sup-(1-5), G_Parietal_Inf-1, G_Supramarginal-(1-7) G_Angular-(1-3), G_Precuneus-(1-9), S_Intraparietal-(1-3), S_Parietooccipital-(1-6)
Occipital	OC	G_Occipital_Sup-(1-2), G_Occipital_Mid-(1-4), G_Occipital_Inf-(1-2), G_Occipital_Lat-(1-5), G_Occipital_Pole-1, G_Calcarine-(1-3), G_Lingual-(1-6), G_Cuneus-(1-2), S_Intraoccipital
Insular	INS	G_Insula-anterior-(1-5), G_Insula-posterior-1
Cingulate	CIN	G_Cingulum_Ant-(1-2), G_Cingulum_Mid-(1-3), G_Cingulum_Post-(1-3), S_Cingulate-(1-7)
Limbic	LIM	G_Hippocampus-(1-2), G_ParaHippocampal-(1-5), N_Amygdala-1
Basal ganglia	BG	N_Caudate-(1-7), N_Pallidum-1, Putamen-(2-3)
Thalamus	TH	N_Thalamus-(1-9)
Cerebellum	CER	Cerebelum_Crus-(1-2), Cerebelum-(3-6, 7b, 8-10), Vermis-(1-10)

*Each region is derived from AICHA, except from AAL for Cerebellum.

Supplementary Figure S1

Histogram showing the distribution of brain regions associated with each personality factor (uncorrected $p < 0.05$) in males and females. Kendall's coefficient of concordance (W) and Chi-square test results are presented for each factor. As shown, there was no significant concordant distribution between males and females for each factor.

