Tables S1a and S1b: Phenotypic and Genetic data for binary graphs. Computed without (Table S1a) and with (Table S1b) global signal regression.

Phenotype		Twin Correlations (95% CI)			Model fit (AIC)				Variance estimates (%) from best fitting model (95% CI)		
k		Mean(SD)	MZ (N= 84 pairs)	DZ (N= 89 pairs)	ACE	AE	CE	E	A	C	E
5	**Y**	3.10(1.62)	0.46 (0.32,0.59)	0.13 (-0.01,0.26)	387.62	**385.62**	398.58	422.56	59(44,70)	-	41(30,56)
	Q	0.46(0.10)	0.40 (0.25,0.53)	0.17 (0.03,0.30)	387.83	**385.84**	390.67	419.08	54(39,65)	-	46(35,61)
	φ_{norm}	1.61(0.27)	-0.12 (-0.28,0.05)	0.02 (-0.12,0.16)	345.21	343.21	343.21	**341.21**	-	-	100(100,100)
	λ	0.67(0.08)	0.45 (0.30,0.57)	0.16 (0.02,0.29)	393.43	**391.43**	399.91	431.18	59(44,69)	-	41(31,56)
	σ	2.19(1.29)	0.47 (0.33,0.59)	0.11 (-0.03,0.25)	389.35	**387.35**	401.41	424.29	59(44,70)	-	41(30,56)
10	**Y**	2.00(0.79)	0.40 (0.25,0.54)	0.14 (-0.00,0.27)	381.90	**379.90**	386.37	409.02	52(36,64)	-	48(36,64)
	Q	0.38(0.09)	0.33 (0.17,0.47)	0.13 (-0.01,0.26)	388.57	**386.75**	388.00	407.12	43(26,56)	-	57(44,74)
	φ_{norm}	1.43(0.22)	0.01 (-0.16,0.18)	0.09 (-0.05,0.23)	370.79	369.18	368.79	**367.42**	-	-	100(100,100)
	λ	0.78(0.07)	0.40 (0.25,0.53)	0.18 (0.05,0.32)	385.09	**383.17**	389.37	422.90	61(47,71)	-	39(29,53)
	σ	1.61(0.71)	0.43 (0.28,0.55)	0.14 (-0.00,0.27)	381.03	**379.03**	387.24	411.99	55(40,67)	-	45(33,60)
15	**Y**	1.65(0.51)	0.36 (0.21,0.50)	0.14 (0.00,0.28)	384.95	**383.01**	385.77	408.34	47(32,60)	-	53(40,68)
	Q	0.32(0.08)	0.27 (0.11,0.42)	0.12 (-0.02,0.26)	379.47	**377.91**	377.96	392.52	38(20,52)	-	62(48,80)
	φ_{norm}	1.32(0.16)	0.06 (-0.11,0.23)	0.14 (-0.00,0.27)	337.41	336.62	**335.41**	336.56	-	12(0,25)	88(75,100)
	λ	0.84(0.06)	0.42 (0.28,0.55)	0.20 (0.06,0.33)	375.08	**373.37**	379.28	418.46	64(50,73)	-	36(27,50)
	σ	1.41(0.49)	0.40 (0.24,0.53)	0.16 (0.02,0.29)	381.26	**379.31**	383.15	410.21	52(37,64)	-	48(36,63)
20	**Y**	1.46(0.36)	0.33 (0.17,0.47)	0.14 (0.00,0.28)	385.12	**383.42**	384.46	404.52	43(27,56)	-	57(44,73)
	Q	0.28(0.07)	0.21 (0.04,0.36)	0.14 (-0.00,0.27)	384.67	384.59	**382.67**	393.51	-	28(13,41)	72(59,87)
	φ_{norm}	1.27(0.12)	0.17 (0.00,0.33)	0.09 (-0.05,0.22)	367.94	366.69	**365.94**	370.50	-	18(4,31)	82(69,96)
	λ	0.88(0.05)	0.40 (0.25,0.54)	0.22 (0.08,0.35)	372.05	**370.73**	374.11	412.19	60(47,71)	-	40(29,53)
	σ	1.31(0.37)	0.36 (0.21,0.50)	0.16 (0.03,0.30)	381.04	**379.39**	380.95	405.90	48(32,60)	-	52(40,68)
25	**Y**	1.34(0.27)	0.29 (0.13,0.44)	0.15 (0.01,0.28)	386.19	385.06	**384.51**	402.02	-	33(19,45)	67(55,81)
	Q	0.25(0.07)	0.19 (0.02,0.35)	0.12 (-0.02,0.26)	389.56	388.92	**387.56**	395.77	-	25(10,38)	75(62,90)
	φ_{norm}	1.22(0.09)	0.10 (-0.07,0.27)	0.15 (0.01,0.28)	377.89	377.71	**375.89**	379.61	-	17(3,30)	83(70,97)
	λ	0.91(0.04)	0.41 (0.26,0.54)	0.25 (0.12,0.38)	358.16	**357.31**	360.18	403.41	62(49,72)	-	38(28,51)
	σ	1.24(0.29)	0.33 (0.17,0.47)	0.18 (0.04,0.31)	381.21	380.35	**379.76**	403.22	-	37(24,49)	63(51,76)

Table S1a: Binary graphs, no global signal regression

Phenotype		Twin Correlations (95% CI)			Model fit (AIC)				Variance estimates (%) from best fitting model (95% CI)		
k		Mean(SD)	MZ (N= 84 pairs)	DZ (N= 89 pairs)	ACE	AE	CE	E	A	C	E
5	**Y**	6.30(1.40)	0.19 (0.02,0.35)	0.20 (0.06,0.33)	413.46	413.04	**411.46**	421.53	-	25(11,37)	75(63,89)
	Q	0.64(0.05)	0.10 (-0.07,0.26)	0.15 (0.01,0.29)	414.31	413.94	**412.31**	415.27	-	16(2,30)	84(70,98)
	φ_{norm}	1.84(0.48)	-0.03 (-0.19,0.14)	0.02 (-0.12,0.16)	392.66	390.66	390.66	**388.66**	-	-	100(100,100)
	λ	0.67(0.06)	0.31 (0.15,0.46)	0.03 (-0.11,0.16)	421.73	**419.73**	423.67	427.79	30(12,46)	-	70(54,88)
	σ	4.25(1.13)	0.20 (0.03,0.36)	0.13 (-0.01,0.27)	427.71	**425.80**	426.16	431.80	26(8,42)	-	74(58,92)
10	**Y**	3.90(0.51)	0.20 (0.03,0.35)	0.10 (-0.04,0.24)	388.08	**386.13**	386.62	391.76	26(8,42)	-	74(58,92)
	Q	0.55(0.04)	0.15 (-0.02,0.31)	-0.02 (-0.16,0.12)	432.94	430.94	432.18	**430.81**	-	-	100(100,100)
	φ_{norm}	1.67(0.47)	-0.01 (-0.17,0.16)	0.01 (-0.13,0.15)	393.79	391.79	391.79	**389.79**	-	-	100(100,100)
	λ	0.82(0.04)	0.24 (0.08,0.39)	0.01 (-0.13,0.15)	416.18	**414.18**	416.49	418.58	23(5,40)	-	77(60,95)
	σ	3.19(0.48)	0.21 (0.05,0.37)	0.12 (-0.02,0.26)	398.61	**396.79**	396.96	403.70	27(10,43)	-	73(57,90)
15	**Y**	2.93(0.26)	0.09 (-0.08,0.25)	0.01 (-0.13,0.15)	392.27	390.27	390.51	**389.41**	-	-	100(100,100)
	Q	0.48(0.04)	0.20 (0.04,0.36)	0.01 (-0.13,0.15)	416.15	**414.15**	416.12	416.62	22(2,41)	-	78(59,98)
	φ_{norm}	1.57(0.36)	0.03 (-0.14,0.19)	0.08 (-0.06,0.22)	388.97	387.39	386.97	**386.22**	-	-	100(100,100)
	λ	0.88(0.03)	0.27 (0.11,0.42)	0.02 (-0.12,0.16)	373.70	**371.70**	374.06	379.03	27(10,42)	-	73(58,90)
	σ	2.57(0.24)	0.12 (-0.04,0.29)	0.06 (-0.08,0.20)	390.93	389.05	**388.96**	390.13	-	13(0,27)	87(73,100)
20	**Y**	2.40(0.16)	0.12 (-0.05,0.28)	-0.06 (-0.20,0.08)	399.79	397.79	398.49	**396.62**	-	-	100(100,100)
	Q	0.42(0.04)	0.18 (0.01,0.34)	-0.01 (-0.15,0.13)	420.38	**418.38**	419.95	419.30	18(0,37)	-	82(63,100)
	φ_{norm}	1.57(0.35)	0.01 (-0.16,0.18)	-0.08 (-0.21,0.06)	440.25	438.25	438.25	**436.25**	-	-	100(100,100)
	λ	0.92(0.02)	0.32 (0.16,0.46)	0.02 (-0.12,0.16)	369.38	**367.38**	370.49	378.53	30(14,44)	-	70(56,86)
	σ	2.21(0.14)	0.09 (-0.08,0.25)	0.00 (-0.14,0.14)	381.78	379.78	380.14	**378.86**	-	-	100(100,100)
25	**Y**	2.05(0.12)	0.15 (-0.02,0.31)	-0.07 (-0.21,0.07)	416.65	414.65	415.83	**414.11**	-	-	100(100,100)
	Q	0.37(0.04)	0.20 (0.04,0.36)	0.05 (-0.09,0.18)	407.48	**405.48**	406.67	409.30	23(4,40)	-	77(60,96)
	φ_{norm}	1.67(0.37)	0.17 (0.00,0.33)	-0.01 (-0.15,0.13)	160.91	**158.91**	159.82	159.46	22(0,45)	-	78(55,100)
	λ	0.95(0.02)	0.30 (0.14,0.44)	0.03 (-0.11,0.17)	365.63	**363.63**	365.86	374.08	29(13,43)	-	71(57,87)
	σ	1.96(0.10)	0.06 (-0.11,0.22)	-0.05 (-0.18,0.09)	402.15	400.15	400.31	**398.32**	-	-	100(100,100)

Table S1b: Binary graphs, global signal regression

Tables S2a – S2d. Multivariate genetic analyses of Mean Clustering (γ), Modularity (Q), and Global Efficiency (λ) across the whole range of connection densities.

Phenotype		*Phenotypic Correlation*		h^2	Breakdown of Total Variance (as Cholesky Decomposition), shown as a % with 95% Confidence Intervals					
					Additive Genetic Sources			Unshared Environmental Sources		
k		**Y**	**Q**		A1	A2	A3	E1	E2	E3
5	**Y**	1.00	-	0[a]	0			62 (51,75)		
	Q	0.89 (0.88,0.91)	1.00	0	0	0		34 (26,45)	15 (12,18)	
	λ	0.70 (0.66,0.74)	0.57 (0.51,0.62)	0	0	0	0	20 (13,30)	05 (02,09)	34 (27,42)
10	**Y**	1.00	-	52	52 (37,64)			48 (36,63)		
	Q	0.92 (0.90,0.93)	1.00	49	45 (31,57)	3 (0,6)		38 (27,52)	12 (9,16)	
	λ	0.72 (0.68,0.76)	0.62 (0.57,0.67)	55	49 (33,66)	0 (0,3)	7 (0,6)	10 (4,21)	1 (0,5)	34 (26,44)
15	**Y**	1.00	-	49	49 (34,61)			51 (39,66)		
	Q	0.94 (0.93,0.95)	1.00	41	36 (21,49)	4 (1, 6)		48 (36,65)	9 (7,12)	
	λ	0.68 (0.64,0.72)	0.59 (0.54,0.64)	51	41 (25,59)	1 (0, 12)	9 (0,20)	11 (4,21)	0 (0, 3)	39 (29,50)
20	**Y**	1.00	-	47	47 (32,59)			53 (41,68)		
	Q	0.94 (0.93,0.95)	1.00	33	31 (16,44)	2 (0, 4)		56 (42,73)	9 (7,12)	
	λ	0.63 (0.58,0.67)	0.54 (0.48,0.59)	46	33 (18,51)	3 (0,24)	11 (0,22)	10 (4,21)	0 (0, 3)	44 (34,56)
25	**Y**	1.00	-	41	41 (26,54)			59 (46,74)		
	Q	0.95 (0.94,0.96)	1.00	29	28 (14,42)	1 (0, 3)		61 (47,78)	9 (7,11)	
	λ	0.56 (0.50,0.61)	0.47 (0.41,0.53)	42	29 (14,47)	14 (0,27)	0 (0,18)	7 (2,16)	0 (0, 2)	51 (40,63)

Table S2a: Weighted graphs, no global signal regression.

[a] best fitting model was CE.

Phenotype		*Phenotypic Correlation*		h^2	Breakdown of Total Variance (as Cholesky Decomposition), shown as a % with 95% Confidence Intervals					
					Additive Genetic Sources			Additive Genetic Sources		
k		**Y**	**Q**		A1	A2	A3	E1	E2	E3
5	**Y**	1.00		29	29 (11,44)			71 (56,89)		
	Q	0.66 (0.62,0.71)	1.00	31	20 (5,48)	10 (2,21)		23 (13,37)	46 (36,56)	
	λ	0.39 (0.32,0.46)	-0.17 (-0.24,-0.09)	31	1 (0,11)	31 (10,49)	0 (0,13)	18 (8,32)	13 (6,25)	38 (29,49)
10	**Y**	1.00		27	27 (9,43)			73 (57,91)		
	Q	0.64 (0.59,0.69)	1.00	29	18 (2,39)	12 (1,24)		25 (13,42)	47 (35,60)	
	λ	0.26 (0.19,0.34)	-0.36 (-0.43,-0.29)	25	01 (0,12)	24 (5,43)	0 (0,9)	07 (1,18)	27 (15,44)	41 (33,49)
15	**Y**	1.00		14	14 (0,31)			86 (69,100)		
	Q	0.64 (0.59,0.69)	1.00	24	16 (0,43)	9 (0,22)		29 (16,47)	48 (36,62)	
	λ	0.02 (-0.06,0.10)	-0.55 (-0.61,-0.49)	29	1 (0,40)	21 (0,45)	7 (0,18)	1 (0, 5)	33 (20,52)	37 (28,47)
20	**Y**	1.00		13	13 (0,30)			87 (70,100)		
	Q	0.74 (0.70,0.77)	1.00	21	22 (0,44)	1 (0, 9)		42 (26,61)	40 (31,48)	
	λ	-0.31 (-0.38,-0.24)	-0.66 (-0.70,-0.61)	29	15 (0,47)	15 (0,35)	0 (0,17)	3 (0, 12)	25 (15,40)	43 (33,53)
25	**Y**	1.00		13	13 (1,31)			87 (69,99)		
	Q	0.82 (0.79,0.84)	1.00	14	15 (0,35)	0 (0, 6)		55 (38,72)	32 (25,37)	
	λ	-0.58 (-0.63,-0.52)	-0.72 (-0.76,-0.68)	31	29 (5, 52)	3 (0,20)	0 (0,17)	17 (7, 31)	17 (9, 26)	37 (28,47)

Table S2b: Weighted graphs, global signal regression

Phenotype		*Phenotypic Correlation*		h^2	Breakdown of Total Variance (as Cholesky Decomposition), shown as a % with 95% Confidence Intervals					
					Additive Genetic Sources			Additive Genetic Sources		
k		**Y**	**Q**		A1	A2	A3	E1	E2	E3
5	**Y**	1.00		57	57 (40,70)					
	Q	0.90 (0.89,0.92)	1.00	54	54 (36,66)	0 (0,6)				
	λ	0.71 (0.67,0.75)	0.59 (0.53,0.64)	58	44 (28,62)	15 (0,25)	0 (0,25)			
10	**Y**	1.00		53	53 (39,65)			47 (35,61)		
	Q	0.92 (0.90,0.93)	1.00	46	43 (29,56)	3 (0,6)		41 (29,56)	13 (10,16)	
	λ	0.76 (0.72,0.79)	0.65 (0.59,0.70)	61	56 (40,72)	0 (0,11)	6 (0,15)	11 (5,20)	1 (0,3)	28 (21,37)
15	**Y**			49	49 (34,61)			51 (39,66)		
	Q	0.93 (0.92,0.94)		38	34 (19,47)	3 (0, 6)		50 (37,67)	10 (7,13)	
	λ	0.75 (0.71,0.78)	0.66 (0.61,0.70)	63	54 (37,72)	1 (0, 14)	9 (0,18)	12 (6,21)	0 (0, 1)	26 (19,35)
20	**Y**	1.00		46	46 (31,58)			54 (42,69)		
	Q	0.94 (0.93,0.95)	1.00	31	28 (14,41)	2 (0, 5)		59 (44,76)	9 (7, 12)	
	λ	0.75 (0.71,0.78)	0.64 (0.59,0.69)	61	51 (34,68)	8 (0,22)	4 (0,14)	14 (7,23)	0 (0, 1)	26 (19,34)
25	**Y**	1.00		40	40 (25,53)			60 (47,75)		
	Q	0.94 (0.93,0.95)	1.00	27	26 (11,39)	1 (0, 4)		62 (47,79)	10 (8,13)	
	λ	0.75 (0.71,0.78)	0.64 (0.59,0.68)	63	51 (34,69)	12 (0,23)	0 (0,14)	14 (8,24)	0 (0, 1)	23 (17,31)

Table S2c: Binary graphs, no global signal regression

Phenotype		*Phenotypic Correlation*		h^2	Breakdown of Total Variance (as Cholesky Decomposition), shown as a % with 95% Confidence Intervals					
					Additive Genetic Sources			Additive Genetic Sources		
k		**Y**	**Q**		A1	A2	A3	E1	E2	E3
5	**Y**	1.00		30	30 (13,45)			70 (55,87)		
	Q	0.70 (0.66,0.74)	1.00	18	9 (00,23)*	8 (0,17)*		38 (24,56)	44 (34,55)	
	λ	0.40 (0.33,0.47)	0.02 (-0.06,0.10)	30	3 (01,14)	14 (0,43)*	14 (0,30)	16 (7,29)	6 (2,15)	48 (36,62)
10	**Y**	1.00		26	26 (7,42)			74 (58,93)		
	Q	0.58 (0.52,0.63)	1.00	17	8 (0,28)	9 (0,23)*		28 (14,47)	57 (44,70)	
	λ	0.30 (0.22,0.37)	-0.36 (-0.43,-0.29)	24	3 (0,22)	20 (0,38)	0 (0,10)	6 (1,17)	28 (16,44)	42 (33,50)
15	**Y**			9	9 (0,26)			91 (74,100)		
	Q	0.55 (0.49,0.61)		22	9 (0,35)	14 (0,27)		25 (13,41)	54 (42,69)	
	λ	0.08 (0.00,0.16)	-0.56 (-0.61,-0.50)	26	1 (0,33)	23 (0,40)	0 (0,13)	0 (0, 3)	34 (0,50)	37 (29,46)
20	**Y**	1.00		11	11 (0,31)			89 (69,100)		
	Q	0.69 (0.64,0.73)	1.00	18	12 (0,37)	6 (0,17)		39 (23,57)	45 (35,55)	
	λ	-0.19 (-0.27,-0.11)	-0.63 (-0.68,-0.58)	31	7 (0,44)	20 (0,37)	1 (0,13)	2 (0, 7)	27 (17,40)	39 (31,47)
25	**Y**	1.00		15	15 (1,33)			85 (67,99)		
	Q	0.82 (0.79,0.84)	1.00	23	23 (3,40)	0 (0, 6)		47 (32,65)	29 (23,35)	
	λ	-0.45 (-0.51,-0.38)	-0.67 (-0.71,-0.63)	30	19 (2, 41)	8 (0,23)	0 (0,15)	10 (3, 19)	17 (10,26)	42 (33,51)

Table S2d: Binary graphs, global signal regression

	mean degree	Left Hemisphere A	C	E	mean degree	Right Hemisphere A	C	E
Frontal Lobe								
Frontal Sup	7.40	31(14,46)	-	69(54,86)	10.18	32(15,48)	-	68(52,85)
Frontal Sup Orb	4.58	-	20(7,33)	80(67,93)	5.24	33(16,48)	-	67(52,84)
Frontal Mid	6.33	-	28(15,39)	72(61,85)	8.61	26(9,41)	-	74(59,91)
Frontal Mid Orb	3.42	-	-	100(100,100)	3.92	-	16(2,29)	84(71,98)
Frontal Inf Oper	7.05	-	17(4,31)	83(69,96)	7.63	33(15,47)	-	67(53,85)
Frontal Inf Tri	6.39	-	25(13,37)	75(63,87)	5.04	-	20(5,33)	80(67,95)
Frontal Inf Orb	8.75	23(4,39)	-	77(61,96)	6.42	-	-	100(100,100)
Supp Motor Area	13.22	42(25,56)	-	58(44,75)	14.14	-	18(4,30)	82(70,96)
Olfactory	4.30	-	16(0,32)	84(68,100)	5.66	25(1,45)	-	75(55,99)
Frontal Sup Medial	7.29	29(11,44)	-	71(56,89)	5.54	21(4,36)	-	79(64,96)
Frontal Med Orb	5.48	40(23,54)	-	60(46,77)	5.71	42(26,56)	-	58(44,74)
Rectus	4.78	-	20(7,32)	80(68,93)	4.88	-	24(10,37)	76(63,90)
Insula	18.44	-	52(40,61)	48(39,60)	17.97	-	54(43,63)	46(37,57)
Central Region								
Rolandic Oper	14.19	47(27,62)	-	53(38,73)	14.08	-	23(8,37)	77(63,92)
Precentral	14.04	31(12,46)	-	69(54,88)	13.08	-	-	100(100,100)
Postcentral	12.57	-	14(0,28)	86(72,100)	11.01	19(1,36)	-	81(64,99)
Limbic Lobe								
Cingulum Ant	7.12	24(5,41)	-	76(59,95)	9.82	34(14,50)	-	66(50,86)
Cingulum Mid	21.01	42(25,56)	-	58(44,75)	24.32	-	38(25,49)	62(51,75)
Cingulum Post	7.48	20(0,39)	-	80(61,100)	9.70	48(30,61)	-	52(39,70)
Hippocampus	14.52	-	60(50,68)	40(32,50)	15.21	-	57(47,66)	43(34,53)
ParaHippocampal	13.61	-	60(50,68)	40(32,50)	15.61	-	63(54,71)	37(29,46)
Occupital Lobe								
Calcarine	11.68	-	29(15,41)	71(59,85)	9.90	34(18,49)	-	66(51,82)
Cuneus	11.60	-	23(9,36)	77(64,91)	10.36	33(16,48)	-	67(52,84)
Lingual	18.05	30(10,47)	-	70(53,90)	15.57	37(19,52)	-	63(48,81)
Occipital Sup	11.48	-	22(8,34)	78(66,92)	9.88	43(27,56)	-	57(44,73)
Occipital Mid	13.25	36(18,51)	-	64(49,82)	9.42	-	35(23,46)	65(54,77)
Occipital Inf	10.47	-	40(28,51)	60(49,72)	7.60	36(21,49)	-	64(51,79)
Fusiform	21.85	27(7,45)	-	73(55,93)	18.27	35(15,51)	-	65(49,85)
Parietal Lobe								
Parietal Sup	7.54	27(10,42)	-	73(58,90)	6.36	24(7,39)	-	76(61,93)
Parietal Inf	5.67	-	13(0,29)	87(71,100)	4.83	-	22(9,34)	78(66,91)
SupraMarginal	8.07	-	-	100(100,100)	5.55	-	-	100(100,100)
Angular	3.84	-	-	100(100,100)	3.96	22(5,38)	-	78(62,95)
Precuneus	10.56	-	29(16,40)	71(60,84)	10.28	-	20(7,32)	80(68,93)
Paracentral lobule	11.29	28(9,44)	-	72(56,91)	12.12	-	30(17,42)	70(58,83)
Temporal Lobe								
Heschl	14.78	42(22,57)	-	58(43,78)	13.00	-	26(9,40)	74(60,91)
Temporal Sup	16.21	37(19,52)	-	63(48,81)	13.99	42(24,57)	-	58(43,76)
Temporal Pole Sup	10.08	-	-	100(100,100)	8.56	22(1,40)	-	78(60,99)
Temporal Mid	12.97	33(15,49)	-	67(51,85)	9.86	27(8,44)	-	73(56,92)
Temporal Pole Mid	6.45	62(46,73)	-	38(27,54)	6.38	-	39(24,52)	61(48,76)
Temporal Inf	12.68	-	-	100(100,100)	7.61	-	-	100(100,100)
Subcortical								
Caudate	11.55	-	64(55,72)	36(28,45)	12.55	31(3,63)	43(13,65)	26(19,37)
Putamen	14.62	-	56(45,65)	44(35,55)	15.54	-	59(48,67)	41(33,52)
Pallidum	14.70	-	54(43,64)	46(36,57)	13.05	-	61(51,69)	39(31,49)
Thalamus	14.38	-	54(42,63)	46(37,58)	14.69	-	51(39,61)	49(39,61)
Amygdala	10.84	-	71(63,77)	29(23,37)	13.81	30(4,59)	46(18,67)	24(18,33)
Cerebellum								
Cerebelum Crus1	8.15	-	35(22,46)	65(54,78)	7.47	-	46(34,57)	54(43,66)
Cerebelum Crus2	5.09	-	32(19,43)	68(57,81)	4.37	-	17(3,30)	83(70,97)
Cerebelum 3	10.91	-	72(64,78)	28(22,36)	11.00	31(0,70)	36(0,63)	33(24,45)
Cerebelum 4/5	19.64	-	46(34,56)	54(44,66)	20.24	38(21,53)	-	62(47,79)
Cerebelum 6	17.46	-	-	100(100,100)	11.92	-	46(34,56)	54(44,66)
Cerebelum 7b	5.34	-	19(4,33)	81(67,96)	3.39	-	12(0,25)	88(75,100)
Cerebelum 8	7.96	-	-	100(100,100)	4.77	-	19(5,32)	81(68,95)
Cerebelum 9	6.06	32(15,47)	-	68(53,85)	5.01	16(0,33)	-	84(67,100)
Cerebelum 10	3.19	-	-	100(100,100)	2.53	-	-	100(100,100)
Vermis 1/2	6.47	-	69(61,76)	31(24,39)				
Vermis 3	12.12	-	58(47,66)	42(34,53)				

Vermis 4/5	19.09	37(18,52)	-	63(48,82)
Vermis 6	12.02	31(12,48)	-	69(52,88)
Vermis 7	6.92	38(22,52)	-	62(48,78)
Vermis 8	6.85	16(0,35)	-	84(65,100)
Vermis 9	6.16	-	14(0,30)	86(70,100)
Vermis 10	2.30	63(46,74)	-	37(26,54)

Table S3: Mean across population and variance components for the weighted degree of all 116 nodes. k=10%, no global signal regression. Inf: Inferior, Mid; Middle, Sup: Superior, Med: Medial, Ant: Anterior Post: Posterior, Orb: Orbital, Oper: Opercular, Tri: Triangular.