

	Observed										Simulated									
	E_g	E_l	L	C	Q	GW_E	GW_N	GW_D	GW_K		E_g	E_l	L	C	Q	GW_E	GW_N	GW_D	GW_K	
<i>theta</i>	-2.244(0.026)	0.404(0.688)	-1.059(0.291)	2.078(0.040)	-0.138(0.895)	1.751(0.085)	-1.415(0.158)	-1.771(0.081)	-1.307(0.195)		-1.920(0.057)	0.178(0.862)	-1.255(0.211)	1.737(0.084)	-0.115(0.913)	1.730(0.086)	-0.968(0.338)	-0.908(0.371)	-0.986(0.327)	
<i>alpha</i>	2.558(0.012)	3.529(0.0007)	2.113(0.035)	-2.298(0.024)	3.557(0.0007)	-2.073(0.043)	0.721(0.474)	2.186(0.033)	2.426(0.017)		1.799(0.076)	3.168(0.002)	1.531(0.130)	-2.427(0.018)	1.661(0.097)	-2.086(0.040)	0.933(0.352)	1.032(0.310)	2.235(0.027)	
<i>beta</i>	-0.091(0.931)	1.159(0.251)	-1.952(0.055)	-0.963(0.337)	-0.137(0.888)	0.986(0.330)	1.586(0.118)	2.198(0.030)	-1.370(0.172)		-0.861(0.393)	1.598(0.111)	-2.574(0.011)	-0.721(0.467)	-0.751(0.456)	1.491(0.139)	1.426(0.156)	1.885(0.061)	-1.529(0.130)	
<i>gamma</i>	0.044(0.961)	-0.312(0.758)	-0.936(0.356)	-0.453(0.650)	-1.869(0.066)	1.437(0.151)	2.174(0.031)	1.967(0.052)	-2.077(0.040)		-0.645(0.520)	-0.683(0.494)	-2.134(0.034)	-1.063(0.290)	-2.236(0.028)	1.507(0.135)	2.147(0.035)	2.152(0.033)	-2.302(0.023)	

Table S3: Statistical differences between the values of graph indices and metrics in the *EO* and *EC* condition. Upper part of the table shows the *T*-values and *p*-values (within parentheses) returned by non-parametric permutation-based t-tests between conditions in the observed brain networks. Bottom part of the table, shows the *T*-values and *p*-values (within parentheses) returned by non-parametric permutation-based t-tests between conditions in the simulated synthetic networks.