

**Table S1. Size of RH network constructed from right-tailed, left-tailed and both-tailed thresholding approaches.**

Correlation coefficient threshold	Right-tailed thresholding		Left-tailed thresholding		Both-tailed thresholding	
	Num. of nodes with $\geq 1$ edge	Num. of directed edges	Num. of nodes with $\geq 1$ edge	Num. of directed edges	Num. of nodes with $\geq 1$ edge	Num. of directed edges
0.9	10	9	20,145	401,775,989	10	9
0.8	133	132	20,145	401,775,866	133	132
0.7	520	508	20,145	401,775,490	520	508
0.6	1,848	1,992	20,145	401,774,006	1,848	1,992
0.5	6,605	10,199	20,145	401,765,799	6,616	1,0263
0.4	18,463	128,551	20,145	401,647,447	18,733	135,237
0.3	20,145	1,622,382	20,145	400,153,616	20,145	1,994,113
0.2	20,145	13,865,830	20,145	387,910,168	20,145	2,1761,977
0.1	20,145	69,376,471	20,145	332,399,527	20,145	132,863,571
0	20,145	198,713,118	20,145	202,526,457	20,145	401,239,575
-0.1	20,145	338,288,898	20,145	63,487,100	-	-
-0.2	20,145	393,879,851	20,145	7,896,147	-	-
-0.3	20,145	401,404,267	20,036	371,731	-	-
-0.4	20,145	401,769,312	4232	6,686	-	-
-0.5	20,145	401,775,934	71	64	-	-