

	Node 1	Node 2	GOLD=0 PCOR (Control)	GOLD>=2 PCOR (Case)	GOLD=2 PCOR (moderate)	GOLD>=3 PCOR (severe)
1	Emphysema	Gas Trapping	0.45	0.64	0.65	0.63
2	Gas Trapping	BMI	-0.19	-0.27	-0.25	-0.31
3	Gas Trapping	Age	0.18	0.23	0.21	0.22
4	Emphysema	Airway Wall Area	-0.18	-0.18	-0.17	-0.17
5	6MWD	BMI	-0.17	-0.19	-0.21	-0.17
6	Airway Wall Area	6MWD	-0.16	-0.13	-0.11	-0.13
7	Age	Pack-years	0.15	0.18	0.17	0.17
8	Gas Trapping	6MWD	-0.14	0.00	-0.07	0.08
9	Emphysema	6MWD	0.14	-0.06	0.03	-0.11
10	6MWD	Pack-years	-0.13	-0.07	-0.11	-0.01
11	FEV1% pred	BMI	-0.10	-0.10	-0.11	0.01
12	FEV1% pred	Airway Wall Area	-0.10	-0.29	-0.19	-0.21
13	Emphysema	Age	0.08	-0.03	0.01	-0.02
14	Exacerbation Frequency	6MWD	-0.08	-0.09	-0.12	-0.06
15	Emphysema	Emphysema Distribution	0.08	0.08	0.18	0.06
16	FEV1% pred	Emphysema	0.07	-0.10	-0.07	-0.08
17	Emphysema	BMI	0.07	-0.07	0.01	-0.07
18	Emphysema Distribution	BMI	-0.07	-0.01	-0.10	0.04
19	Emphysema Distribution	Airway Wall Area	0.07	0.00	0.02	-0.01
20	Emphysema Distribution	Pack-years	0.06	0.00	0.00	-0.01
21	Airway Wall Area	BMI	0.06	0.01	0.02	0.01
22	FEV1% pred	Pack-years	-0.06	-0.01	0.02	-0.05
23	Exacerbation Frequency	BMI	0.06	0.03	0.04	0.02
24	FEV1% pred	Exacerbation Frequency	-0.05	-0.09	-0.07	-0.08
25	Gas Trapping	Airway Wall Area	-0.05	-0.04	0.00	-0.08
26	Airway Wall Area	Exacerbation Frequency	0.04	0.05	0.04	0.06
27	FEV1% pred	6MWD	0.04	0.26	0.13	0.28
28	Emphysema Distribution	6MWD	-0.04	-0.05	-0.06	-0.04
29	Emphysema Distribution	Gas Trapping	-0.04	-0.08	-0.14	-0.06
30	Emphysema Distribution	Age	-0.03	-0.04	-0.06	-0.04
31	Airway Wall Area	Age	-0.03	-0.04	-0.10	0.03
32	FEV1% pred	Emphysema Distribution	-0.03	0.01	0.01	0.01
33	Airway Wall Area	Pack-years	-0.03	0.00	-0.01	0.00
34	6MWD	Age	0.03	-0.09	-0.07	-0.12
35	BMI	Age	0.03	0.09	0.09	0.05
36	FEV1% pred	Gas Trapping	-0.02	-0.43	-0.20	-0.32
37	Exacerbation Frequency	Age	0.02	-0.08	-0.06	-0.10
38	Emphysema	Pack-years	0.02	-0.04	0.05	-0.07
39	Emphysema	Exacerbation Frequency	0.02	-0.01	0.03	-0.02
40	Gas Trapping	Exacerbation Frequency	0.01	0.03	0.03	0.02
41	Exacerbation Frequency	Pack-years	-0.01	-0.02	-0.01	-0.03
42	Emphysema Distribution	Exacerbation Frequency	-0.01	0.00	0.01	0.00
43	FEV1% pred	Age	-0.01	0.12	-0.01	0.17
44	BMI	Pack-years	0.00	0.03	0.01	0.05
45	Gas Trapping	Pack-years	0.00	0.05	0.03	0.03

Table S1 (cont.): partial correlations for all edges for different COPD status groups

