

Table S4. The degree value in the CTD network

SUID	AverageShortestPathLength	BetweennessCentrality	ClosenessCentrality	Degree	Eccentricity	IsSingleNode	name	NeighborhoodConnectivity	NumberOfDirectedEdges	PartnerOfMultiEdgedNodePairs	Radiality	selected	shared name	Stress	Topological	Type
176	1.3	0.60453518	0.76923077	78	3	FALSE	Vtiligo	4.42307692	78	0	0.9	FALSE	Vtiligo	41120	0.110422	disease
899	1.72727273	0.12467689	0.57894737	31	3	FALSE	YQD	9.61290323	31	0	0.75757576	TRUE	YQD	14566	0.110422	drug
146	2.26363636	0.04545517	0.44176707	25	3	FALSE	M30	4.88	25	0	0.57878788	FALSE	M30	3820	0.125161	mol
122	2.28181818	0.03977021	0.43824701	24	3	FALSE	M24	6.58333333	24	0	0.57272727	FALSE	M24	4744	0.180108	mol
900	2.28181818	0.0386662	0.43824701	24	3	FALSE	C42	5.83333333	24	0	0.57272727	FALSE	C42	4124	0.155914	mol
159	2.48181818	0.01152764	0.4029304	14	3	FALSE	M32	7.76923077	14	1	0.50606061	FALSE	M32	1572	0.218362	mol
93	2.48181818	0.01176492	0.4029304	13	3	FALSE	M10	8.15384615	13	0	0.50606061	FALSE	M10	1652	0.230769	mol
109	2.48181818	0.00950957	0.4029304	13	3	FALSE	M13	10.07692308	13	0	0.50606061	FALSE	M13	1924	0.292804	mol
111	2.48181818	0.01106086	0.4029304	13	3	FALSE	M15	9.76923077	13	0	0.50606061	FALSE	M15	1992	0.282878	mol
84	2.07272727	0.01741449	0.48245614	12	3	FALSE	GSTM1	15.5	12	0	0.64242424	FALSE	GSTM1	2984	0.185897	gene
91	2.5	0.0092736	0.4	12	3	FALSE	M9	9.75	12	0	0.5	FALSE	M9	1606	0.282258	mol
78	2.51818182	0.00722989	0.39711191	11	3	FALSE	M5	10.27272727	11	0	0.49393939	FALSE	M5	1354	0.29912	mol
86	2.09090909	0.01345168	0.47826087	11	3	FALSE	IL2	18.45454545	11	0	0.63636364	FALSE	IL2	2850	0.223776	gene
104	2.51818182	0.00869133	0.39711191	11	3	FALSE	M12	9.54545455	11	0	0.49393939	FALSE	M12	1378	0.27566	mol
77	2.10909091	0.0145292	0.47413793	10	3	FALSE	PMS2	15.8	10	0	0.63030303	FALSE	PMS2	2146	0.189744	gene
85	2.10909091	0.01188163	0.47413793	10	3	FALSE	TNF	17.2	10	0	0.63030303	FALSE	TNF	2174	0.207692	gene
88	2.53636364	0.0048122	0.39426523	10	3	FALSE	M6	11.4	10	0	0.48787879	FALSE	M6	1138	0.335484	mol
89	2.10909091	0.01442851	0.47413793	10	3	FALSE	SHBG	17.3	10	0	0.63030303	FALSE	SHBG	2348	0.208974	gene
103	2.10909091	0.01360477	0.47413793	10	3	FALSE	TYR	21	10	0	0.63030303	FALSE	TYR	2786	0.25641	gene
135	2.53636364	0.00791865	0.39426523	10	3	FALSE	M25	9.3	10	0	0.48787879	FALSE	M25	1148	0.267742	mol
165	2.53636364	0.00663423	0.39426523	10	3	FALSE	P3	9.7	10	0	0.48787879	FALSE	P3	1116	0.280645	mol
76	2.12727273	0.01274789	0.47008547	9	3	FALSE	ABO	18	9	0	0.62424242	FALSE	ABO	2012	0.217949	gene
87	2.12727273	0.00900032	0.47008547	9	3	FALSE	XDH	21.66666667	9	0	0.62424242	FALSE	XDH	2140	0.264957	gene
105	2.12727273	0.01341408	0.47008547	9	3	FALSE	ESR1	19.77777778	9	0	0.62424242	FALSE	ESR1	2132	0.240741	gene
139	2.55454545	0.0053529	0.39145907	9	3	FALSE	M26	10.33333333	9	0	0.48181818	FALSE	M26	972	0.301075	mol
143	2.55454545	0.00615431	0.39145907	9	3	FALSE	M29	10.33333333	9	0	0.48181818	FALSE	M29	976	0.301075	mol
73	2.14545455	0.01075688	0.46610169	8	3	FALSE	PAH	19.625	8	0	0.61818182	FALSE	PAH	1710	0.238782	gene
82	2.14545455	0.00850275	0.46610169	8	3	FALSE	GSTM2	18.75	8	0	0.61818182	FALSE	GSTM2	1516	0.227564	gene
901	2.57272727	0.00522872	0.38869258	8	3	FALSE	C31	8.875	8	0	0.47575758	FALSE	C31	702	0.254032	mol
74	2.16363636	0.00837105	0.46218487	7	3	FALSE	DPP4	18.71428571	7	0	0.61212121	FALSE	DPP4	1242	0.227106	gene
79	2.16363636	0.00848932	0.46218487	7	3	FALSE	CDK2	23.28571429	7	0	0.61212121	FALSE	CDK2	1482	0.285714	gene
83	2.16363636	0.0071437	0.46218487	7	3	FALSE	G6PD	19	7	0	0.61212121	FALSE	G6PD	1174	0.230769	gene
92	2.16363636	0.01017895	0.46218487	7	3	FALSE	REN	18.28571429	7	0	0.61212121	FALSE	REN	1262	0.221612	gene
100	2.59090909	0.00312616	0.38596491	7	3	FALSE	M11	11.14285714	7	0	0.46969697	FALSE	M11	614	0.327189	mol
101	2.16363636	0.00878728	0.46218487	7	3	FALSE	PTPN1	20.42857143	7	0	0.61212121	FALSE	PTPN1	1322	0.249084	gene
112	2.16363636	0.00630227	0.46218487	7	3	FALSE	CBR1	24.28571429	7	0	0.61212121	FALSE	CBR1	1434	0.298535	gene
120	2.18181818	0.00786953	0.45833333	7	3	FALSE	MIF	24.83333333	7	1	0.60606061	FALSE	MIF	1116	0.305556	gene
140	2.59090909	0.00367389	0.38596491	7	3	FALSE	M27	10.42857143	7	0	0.46969697	FALSE	M27	598	0.304147	mol
72	2.60909091	0.00238463	0.38327526	6	3	FALSE	M2	11.83333333	6	0	0.46363636	FALSE	M2	480	0.349462	mol
75	2.18181818	0.00620415	0.45833333	6	3	FALSE	CCL5	23.5	6	0	0.60606061	FALSE	CCL5	1072	0.288462	gene
90	2.18181818	0.00437588	0.45833333	6	3	FALSE	PTGS2	25	6	0	0.60606061	FALSE	PTGS2	1034	0.307692	gene
102	2.18181818	0.00704959	0.45833333	6	3	FALSE	HSPA1A	19.16666667	6	0	0.60606061	FALSE	HSPA1A	924	0.232906	gene
110	2.18181818	0.00518293	0.45833333	6	3	FALSE	FKBP1A	24.5	6	0	0.60606061	FALSE	FKBP1A	1068	0.301282	gene
116	2.60909091	0.00220975	0.38327526	6	3	FALSE	M18	11.83333333	6	0	0.46363636	FALSE	M18	440	0.349462	mol
160	2.60909091	0.00390988	0.38327526	6	3	FALSE	P1	8.5	6	0	0.46363636	FALSE	P1	396	0.241935	mol
166	2.60909091	0.00372086	0.38327526	6	3	FALSE	P4	9.16666667	6	0	0.46363636	FALSE	P4	420	0.263441	mol
907	2.60909091	0.00313398	0.38327526	6	3	FALSE	C13	10.5	6	0	0.46363636	FALSE	C13	456	0.306452	mol
81	2.2	0.00604939	0.45454545	5	3	FALSE	HGF	22.2	5	0	0.6	FALSE	HGF	716	0.271795	gene

96	2.2	0.00622994	0.45454545	5	3	FALSE	IGF1	21.8	5	0	0.6	FALSE	IGF1	720	0.266667	gene
99	2.2	0.00271921	0.45454545	5	3	FALSE	ACHE	30.4	5	0	0.6	FALSE	ACHE	792	0.376923	gene
107	2.2	0.00358895	0.45454545	5	3	FALSE	CASP3	27.2	5	0	0.6	FALSE	CASP3	792	0.335897	gene
113	2.62727273	0.00191634	0.38062284	5	3	FALSE	M16	12.4	5	0	0.45757576	FALSE	M16	336	0.367742	mol
114	2.2	0.00582821	0.45454545	5	3	FALSE	MMP1	24.6	5	0	0.6	FALSE	MMP1	780	0.302564	gene
117	2.62727273	0.00195762	0.38062284	5	3	FALSE	M20	12	5	0	0.45757576	FALSE	M20	336	0.354839	mol
119	2.62727273	0.00208253	0.38062284	5	3	FALSE	M23	12	5	0	0.45757576	FALSE	M23	328	0.354839	mol
124	2.2	0.00562371	0.45454545	5	3	FALSE	F2	24.8	5	0	0.6	FALSE	F2	776	0.305128	gene
128	2.2	0.00243296	0.45454545	5	3	FALSE	ALOX12	32.8	5	0	0.6	FALSE	ALOX12	820	0.407692	gene
142	2.62727273	0.00220941	0.38062284	5	3	FALSE	M28	11.4	5	0	0.45757576	FALSE	M28	328	0.335484	mol
158	2.62727273	0.00202321	0.38062284	5	3	FALSE	M31	11.8	5	0	0.45757576	FALSE	M31	328	0.348387	mol
168	2.2	0.00619219	0.45454545	5	3	FALSE	MMP2	24.2	5	0	0.6	FALSE	MMP2	772	0.297436	gene
905	2.62727273	0.00311599	0.38062284	5	3	FALSE	C24	9	5	0	0.45757576	FALSE	C24	292	0.258065	mol
902	2.62727273	0.00230944	0.38062284	5	3	FALSE	C30	10.4	5	0	0.45757576	FALSE	C30	316	0.303226	mol
94	2.21818182	0.0027347	0.45081967	4	3	FALSE	AHCY	27.25	4	0	0.59393939	FALSE	AHCY	494	0.336538	gene
115	2.21818182	0.00301187	0.45081967	4	3	FALSE	VDR	32.75	4	0	0.59393939	FALSE	VDR	526	0.407051	gene
118	2.21818182	0.00537388	0.45081967	4	3	FALSE	CASP1	23.25	4	0	0.59393939	FALSE	CASP1	494	0.285256	gene
126	2.21818182	0.00148108	0.45081967	4	3	FALSE	MAOA	34.75	4	0	0.59393939	FALSE	MAOA	494	0.432692	gene
127	2.21818182	0.00148108	0.45081967	4	3	FALSE	ESRRA	34.75	4	0	0.59393939	FALSE	ESRRA	494	0.432692	gene
129	2.21818182	0.00148108	0.45081967	4	3	FALSE	PFKFB3	34.75	4	0	0.59393939	FALSE	PFKFB3	494	0.432692	gene
131	2.21818182	0.00134621	0.45081967	4	3	FALSE	ALOX15	37.75	4	0	0.59393939	FALSE	ALOX15	538	0.471154	gene
164	2.64545455	0.0015348	0.37800687	4	3	FALSE	P2	12.25	4	0	0.45151515	FALSE	P2	218	0.362903	mol
80	2.23636364	0.00142213	0.44715447	3	3	FALSE	DDX39B	33.66666667	3	0	0.58787879	FALSE	DDX39B	290	0.418803	gene
95	2.23636364	0.00144914	0.44715447	3	3	FALSE	SOD2	33.66666667	3	0	0.58787879	FALSE	SOD2	298	0.418803	gene
97	2.23636364	0.00132792	0.44715447	3	3	FALSE	KIT	34.66666667	3	0	0.58787879	FALSE	KIT	310	0.431624	gene
98	2.23636364	0.00177755	0.44715447	3	3	FALSE	TPH1	33	3	0	0.58787879	FALSE	TPH1	310	0.410256	gene
108	2.23636364	0.00119584	0.44715447	3	3	FALSE	MAPK1	38	3	0	0.58787879	FALSE	MAPK1	306	0.474359	gene
121	2.23636364	0.00232016	0.44715447	3	3	FALSE	ALB	32	3	0	0.58787879	FALSE	ALB	314	0.397436	gene
130	2.23636364	0.00065936	0.44715447	3	3	FALSE	ABCB1	42	3	0	0.58787879	FALSE	ABCB1	274	0.525641	gene
132	2.23636364	0.00075682	0.44715447	3	3	FALSE	MAOB	42.33333333	3	0	0.58787879	FALSE	MAOB	302	0.529915	gene
136	2.23636364	0.00252086	0.44715447	3	3	FALSE	HSPA1B	31	3	0	0.58787879	FALSE	HSPA1B	310	0.384615	gene
137	2.23636364	0.00137369	0.44715447	3	3	FALSE	NOS2	37.66666667	3	0	0.58787879	FALSE	NOS2	314	0.470085	gene
138	2.23636364	0.00150648	0.44715447	3	3	FALSE	PNMT	33.66666667	3	0	0.58787879	FALSE	PNMT	314	0.418803	gene
141	2.23636364	0.00272724	0.44715447	3	3	FALSE	RORA	30.33333333	3	0	0.58787879	FALSE	RORA	318	0.376068	gene
144	2.23636364	0.00140044	0.44715447	3	3	FALSE	PIK3R1	37.33333333	3	0	0.58787879	FALSE	PIK3R1	310	0.465812	gene
153	2.23636364	0.00076964	0.44715447	3	3	FALSE	SYK	42.33333333	3	0	0.58787879	FALSE	SYK	302	0.529915	gene
161	2.23636364	0.00348337	0.44715447	3	3	FALSE	ACE	29.33333333	3	0	0.58787879	FALSE	ACE	318	0.363248	gene
163	2.23636364	0.00218843	0.44715447	3	3	FALSE	ARG1	36	3	0	0.58787879	FALSE	ARG1	318	0.448718	gene
167	2.23636364	0.0019473	0.44715447	3	3	FALSE	PARP1	36	3	0	0.58787879	FALSE	PARP1	314	0.448718	gene
106	2.25454545	0.00067504	0.44354839	2	3	FALSE	PTPN22	44.5	2	0	0.58181818	FALSE	PTPN22	140	0.557692	gene
123	2.25454545	0.00027772	0.44354839	2	3	FALSE	GSTP1	51	2	0	0.58181818	FALSE	GSTP1	114	0.641026	gene
125	2.25454545	0.00027772	0.44354839	2	3	FALSE	MAPK14	51	2	0	0.58181818	FALSE	MAPK14	114	0.641026	gene
133	2.25454545	0.00027772	0.44354839	2	3	FALSE	PON1	51	2	0	0.58181818	FALSE	PON1	114	0.641026	gene
134	2.25454545	0.00027772	0.44354839	2	3	FALSE	PPARG	51	2	0	0.58181818	FALSE	PPARG	114	0.641026	gene
145	2.25454545	0.00082462	0.44354839	2	3	FALSE	TAP1	43.5	2	0	0.58181818	FALSE	TAP1	144	0.544872	gene
147	2.25454545	0.00027867	0.44354839	2	3	FALSE	CASP7	51.5	2	0	0.58181818	FALSE	CASP7	112	0.647436	gene
148	2.25454545	0.00027867	0.44354839	2	3	FALSE	MTOR	51.5	2	0	0.58181818	FALSE	MTOR	112	0.647436	gene
149	2.25454545	0.00027867	0.44354839	2	3	FALSE	PIK3CD	51.5	2	0	0.58181818	FALSE	PIK3CD	112	0.647436	gene
150	2.25454545	0.00027867	0.44354839	2	3	FALSE	PIK3CB	51.5	2	0	0.58181818	FALSE	PIK3CB	112	0.647436	gene
151	2.25454545	0.00027867	0.44354839	2	3	FALSE	PIK3CG	51.5	2	0	0.58181818	FALSE	PIK3CG	112	0.647436	gene
152	2.25454545	0.00027867	0.44354839	2	3	FALSE	PIK3CA	51.5	2	0	0.58181818	FALSE	PIK3CA	112	0.647436	gene

154	2.25454545	0.00027867	0.44354839	2	3	FALSE	COMT	51.5	2	0	0.58181818	FALSE	COMT	112	0.647436	gene
155	2.25454545	0.00027867	0.44354839	2	3	FALSE	BRAF	51.5	2	0	0.58181818	FALSE	BRAF	112	0.647436	gene
156	2.25454545	0.00027867	0.44354839	2	3	FALSE	AKT1	51.5	2	0	0.58181818	FALSE	AKT1	112	0.647436	gene
157	2.25454545	0.00027867	0.44354839	2	3	FALSE	PDE10A	51.5	2	0	0.58181818	FALSE	PDE10A	112	0.647436	gene
162	2.25454545	0.00144012	0.44354839	2	3	FALSE	SLC1A2	42	2	0	0.58181818	FALSE	SLC1A2	150	0.525641	gene
174	2.25454545	0.001444	0.44354839	2	3	FALSE	NR1H2	42	2	0	0.58181818	FALSE	NR1H2	150	0.525641	gene
904	2.25454545	0.0017613	0.44354839	2	3	FALSE	SEC14L2	41.5	2	0	0.58181818	FALSE	SEC14L2	152	0.519231	gene
903	2.25454545	0.0017613	0.44354839	2	3	FALSE	PPARD	41.5	2	0	0.58181818	FALSE	PPARD	152	0.519231	gene
169	2.25454545	0.00028321	0.44354839	2	3	FALSE	GRK6	51	2	0	0.58181818	FALSE	GRK6	114	0.641026	gene
170	2.25454545	0.00028321	0.44354839	2	3	FALSE	AHR	51	2	0	0.58181818	FALSE	AHR	114	0.641026	gene
171	2.25454545	0.00028321	0.44354839	2	3	FALSE	AR	51	2	0	0.58181818	FALSE	AR	114	0.641026	gene
172	2.25454545	0.00028321	0.44354839	2	3	FALSE	BCHE	51	2	0	0.58181818	FALSE	BCHE	114	0.641026	gene