

Table 4: Network topological parameter values for colorectal cancer genes

(Note: Yellow represent above average values and positive z-score values are in blue)

Entrez gene id	Degree	z-score	Entrez gene id	Betweenness Centrality	z-score	Entrez gene id	Closeness Centrality	z-score
3725	146	-0.45536	1499	0.176526	-0.14934	4088	0.518182	-0.66709
4089	117	-0.67749	5594	0.121933	-0.14237	2932	0.508929	-0.81519
4088	110	-0.66709	2932	0.119173	-0.81519	5594	0.504425	-0.14237
1499	103	-0.14934	3845	0.106616	-0.92244	207	0.5	-0.12855
4087	94	-0.94513	4609	0.098884	0.21998	1499	0.491379	-0.14934
5599	93	-0.85309	7157	0.094533	0.93632	4087	0.487179	-0.94513
2932	83	-0.81519	4088	0.091388	-0.66709	4609	0.487179	0.21998
7157	80	0.93632	207	0.090648	-0.12855	5599	0.483051	-0.85309
8312	79	0.793651	5295	0.084924	-0.58822	7157	0.483051	0.93632
5894	57	0.21574	7048	0.071774	-0.18046	5295	0.471074	-0.58822
5594	51	-0.14237	4087	0.064414	-0.94513	3725	0.467213	-0.45536
5604	51	-0.32996	5599	0.059855	-0.85309	5894	0.456	0.21574
207	46	-0.12855	3725	0.040528	-0.45536	5601	0.44186	-0.60886
596	46	0.260517	581	0.040486	0.540541	596	0.438462	0.260517
324	41	1.210884	5294	0.037421	-0.058	3845	0.431818	-0.92244
2353	41	-0.01442	596	0.034622	0.260517	5290	0.425373	-0.65832
4609	37	0.21998	5290	0.033975	-0.65832	673	0.413043	0.433669
4436	32	3.848591	5296	0.02869	0.147646	369	0.410072	0.059849
5595	30	0.109826	836	0.027639	-0.49125	8312	0.410072	0.793651
5601	30	-0.60886	369	0.026417	0.059849	4089	0.407143	-0.67749
581	29	0.540541	5601	0.025681	-0.60886	572	0.404255	0.331305
51176	27	-0.45715	5894	0.023651	0.21574	7046	0.401408	-0.63195
572	25	0.331305	842	0.023187	-0.201	5595	0.398601	0.109826
7046	25	-0.63195	5293	0.02185	0.080275	5296	0.395833	0.147646
5295	23	-0.58822	7040	0.019114	-0.02473	7048	0.395833	-0.18046
332	22	-0.71545	572	0.013182	0.331305	5604	0.393103	-0.32996
2956	22	3.46361	7046	0.013009	-0.63195	2353	0.387755	-0.01442
673	21	0.433669	26060	0.011689	-0.43649	26060	0.385135	-0.43649
3845	21	-0.92244	1630	0.011148	-0.10774	51176	0.385135	-0.45715
7048	21	-0.18046	8312	0.01113	0.793651	581	0.38255	0.540541
5296	17	0.147646	208	0.010993	-0.56569	1630	0.38255	-0.10774
4292	16	4.093831	5595	0.008921	0.109826	5291	0.38255	-0.4554

836	15	-0.49125
26060	14	-0.43649
4437	12	0.923773
5290	12	-0.65832
5602	12	-0.8237
842	9	-0.201
5291	9	-0.4554
369	8	0.059849
1630	8	-0.10774
5293	8	0.080275
5294	8	-0.058
8313	8	0.64686
208	7	-0.56569
7040	7	-0.02473
6934	6	-0.08159
10297	5	0.679627
5879	4	-0.78213
5900	4	0.70003
7043	4	-0.3767
8503	4	-0.43111
23533	4	0.124
595	3	-0.62836
387	2	-0.80803
7042	2	-0.65408
10000	1	-0.18839
54205	1	-0.96681
83439	1	0.410004
5880	0	-0.50426
5881	0	0.044362
6932	0	-0.28519

4292	0.007715	4.093831
5291	0.007652	-0.4554
673	0.006913	0.433669
5604	0.005039	-0.32996
8313	0.003737	0.64686
4089	0.002483	-0.67749
2956	0.001618	3.46361
4436	0.001618	3.848591
8503	0.000543	-0.43111
387	0.000315	-0.80803
5602	6.96E-05	-0.8237
324	0	1.210884
332	0	-0.71545
595	0	-0.62836
2353	0	-0.01442
4437	0	0.923773
5879	0	-0.78213
5880	0	-0.50426
5881	0	0.044362
5900	0	0.70003
6932	0	-0.28519
6934	0	-0.08159
7042	0	-0.65408
7043	0	-0.3767
10000	0	-0.18839
10297	0	0.679627
23533	0	0.124
51176	0	-0.45715
54205	0	-0.96681
83439	0	0.410004

836	0.38	-0.49125
8313	0.38	0.64686
208	0.377483	-0.56569
324	0.377483	1.210884
842	0.377483	-0.201
7040	0.377483	-0.02473
4292	0.37013	4.093831
5602	0.360759	-0.8237
387	0.354037	-0.80803
2956	0.347561	3.46361
4436	0.347561	3.848591
5293	0.343373	0.080275
10000	0.339286	-0.18839
595	0.337278	-0.62836
4437	0.337278	0.923773
8503	0.333333	-0.43111
10297	0.333333	0.679627
6934	0.331395	-0.08159
83439	0.331395	0.410004
5294	0.323864	-0.058
7042	0.311475	-0.65408
5900	0.303191	0.70003
332	0.293814	-0.71545
7043	0.285	-0.3767
54205	0.278049	-0.96681
23533	0.24569	0.124
5879	0	-0.78213
5880	0	-0.50426
5881	0	0.044362
6932	0	-0.28519