

Table 6: Network topological parameter values for prostate 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
7157	606	1.885377	1956	0.122262	0.919422	207	0.529412	-0.03138
4193	587	-1.26097	207	0.094046	-0.03138	2033	0.522581	1.580893
2033	232	1.580893	5295	0.085296	-0.85879	1956	0.519231	0.919422
1017	211	-0.74828	1499	0.081039	-0.06882	367	0.509434	-0.80894
8517	182	-1.31013	3320	0.080776	1.782424	3320	0.509434	1.782424
3551	175	0.068797	5925	0.078001	0.400335	7157	0.50625	1.885377
5925	162	0.400335	2033	0.063194	1.580893	1499	0.5	-0.06882
5970	160	0.250096	5156	0.061255	0.160546	4193	0.496933	-1.26097
1147	159	-0.10209	5894	0.060096	0.588332	5894	0.493902	0.588332
4792	156	0.669918	4193	0.056888	-1.26097	5295	0.490909	-0.85879
1387	137	1.202844	7157	0.05454	1.885377	1387	0.48503	1.202844
1956	115	0.919422	1387	0.054426	1.202844	2932	0.48503	-1.26734
1026	109	-0.53704	468	0.048212	1.780832	1026	0.473684	-0.53704
898	108	0.584322	2932	0.043362	-1.26734	2885	0.468208	-1.4039
5894	108	0.588332	10488	0.043182	0.74818	8517	0.468208	-1.31013
207	106	-0.03138	5594	0.042723	-0.05627	1017	0.462857	-0.74828
3320	94	1.782424	572	0.039253	0.796349	3326	0.462857	1.47044
4790	94	0.5699	1017	0.036998	-0.74828	5925	0.460227	0.400335
2885	90	-1.4039	1026	0.032046	-0.53704	1147	0.45	-0.10209
1027	88	-0.2931	2885	0.031511	-1.4039	5594	0.45	-0.05627
1499	88	-0.06882	367	0.030311	-0.80894	3551	0.442623	0.068797
367	83	-0.80894	7184	0.028386	1.166308	673	0.440217	-0.00175
1869	77	-0.16885	5294	0.026247	0.095601	2064	0.435484	1.33036
595	54	-0.93104	3265	0.024261	0.986434	2475	0.435484	0.478845
5604	52	-0.39393	5159	0.019996	0.844281	5159	0.435484	0.844281
5295	51	-0.85879	1869	0.018857	-0.16885	208	0.433155	-0.81824
5594	51	-0.05627	3845	0.017527	-1.46038	7184	0.433155	1.166308
2932	49	-1.26734	84699	0.017295	1.05061	1869	0.430851	-0.16885
1385	46	-1.58476	8517	0.01637	-1.31013	3480	0.428571	-0.40347
2064	42	1.33036	3480	0.014286	-0.40347	5970	0.428571	0.250096

596	34	0.668931
5595	33	0.397687
3265	32	0.986434
2475	31	0.478845
2308	28	-0.65326
5296	27	0.465762
572	26	0.796349
673	26	-0.00175
3326	22	1.47044
5605	22	1.792951
51176	22	-0.62873
9134	19	-0.44914
5156	18	0.160546
3845	17	-1.46038
5159	17	0.844281
5290	15	-0.98497
369	14	0.307728
468	14	1.780832
3480	14	-0.40347
5728	13	-0.93053
208	12	-0.81824
6655	12	0.443057
8503	11	-0.57599
5291	10	-0.61972
5294	10	0.095601
1950	9	0.736842
2260	9	-0.02545
5293	9	0.344495
7184	9	1.166308
5170	7	-1.39593
10488	7	0.74818
1870	6	-0.61396
6934	6	0.053147
84699	6	1.05061

369	0.013831	0.307728
5728	0.012758	-0.93053
673	0.012011	-0.00175
2064	0.011965	1.33036
4893	0.010894	-1.40485
56034	0.010716	-0.49112
5296	0.010699	0.465762
8503	0.010338	-0.57599
208	0.009186	-0.81824
1147	0.009066	-0.10209
5293	0.008682	0.344495
5970	0.008336	0.250096
4792	0.008267	0.669918
596	0.00779	0.668931
5290	0.005591	-0.98497
1027	0.005256	-0.2931
3551	0.005202	0.068797
5605	0.004731	1.792951
3326	0.004645	1.47044
898	0.003727	0.584322
5595	0.003241	0.397687
595	0.003043	-0.93104
4790	0.002598	0.5699
2475	0.00244	0.478845
5604	0.001698	-0.39393
5291	0.001206	-0.61972
9134	0.000648	-0.44914
1385	0.000301	-1.58476
3479	0.000242	-1.56534
2950	0.000208	1.729412
51176	0.000193	-0.62873
1871	0.000182	-0.86903
842	0.000178	-0.1618
2260	0.000143	-0.02545

572	0.424084	0.796349
4792	0.424084	0.669918
5728	0.424084	-0.93053
596	0.419689	0.668931
898	0.419689	0.584322
3265	0.419689	0.986434
595	0.417526	-0.93104
369	0.415385	0.307728
1385	0.415385	-1.58476
5290	0.415385	-0.98497
1027	0.407035	-0.2931
5595	0.407035	0.397687
2308	0.402985	-0.65326
5605	0.402985	1.792951
468	0.40099	1.780832
5156	0.40099	0.160546
5291	0.40099	-0.61972
5296	0.40099	0.465762
8503	0.40099	-0.57599
4790	0.397059	0.5699
3845	0.391304	-1.46038
4893	0.382075	-1.40485
5604	0.375	-0.39393
2260	0.37156	-0.02545
5293	0.368182	0.344495
51176	0.368182	-0.62873
1950	0.353712	0.736842
9134	0.353712	-0.44914
6655	0.352174	0.443057
1871	0.347639	-0.86903
5170	0.347639	-1.39593
2950	0.344681	1.729412
7039	0.34322	-1.34693
3645	0.338912	2.545337

1871	5	-0.86903
5155	5	-0.78448
90993	5	0.819482
2950	4	1.729412
23533	4	0.423201
2263	3	0.300064
4893	3	-1.40485
56034	3	-0.49112
842	2	-0.1618
3479	2	-1.56534
7039	2	-1.34693
9586	2	-0.21584
3630	1	1.995309
3645	1	2.545337
4824	1	-1.03804
5154	1	-0.79608
10000	1	-0.1391
64764	1	-1.38496
83439	1	0.938007
354	0	1.232787
6932	0	-0.31335
148327	0	1.671947

354	0	1.232787
1870	0	-0.61396
1950	0	0.736842
2263	0	0.300064
2308	0	-0.65326
3630	0	1.995309
3645	0	2.545337
4824	0	-1.03804
5154	0	-0.79608
5155	0	-0.78448
5170	0	-1.39593
6655	0	0.443057
6932	0	-0.31335
6934	0	0.053147
7039	0	-1.34693
9586	0	-0.21584
10000	0	-0.1391
23533	0	0.423201
64764	0	-1.38496
83439	0	0.938007
90993	0	0.819482
148327	0	1.671947

842	0.3361	-0.1618
6934	0.334711	0.053147
83439	0.334711	0.938007
3479	0.333333	-1.56534
2263	0.330612	0.300064
10000	0.327935	-0.1391
5294	0.326613	0.095601
1870	0.316406	-0.61396
3630	0.316406	1.995309
10488	0.315175	0.74818
84699	0.315175	1.05061
5155	0.313953	-0.78448
4824	0.303371	-1.03804
56034	0.303371	-0.49112
5154	0.287234	-0.79608
90993	0.253919	0.819482
23533	0.246951	0.423201
64764	0.240356	-1.38496
354	0	1.232787
6932	0	-0.31335
9586	0	-0.21584
148327	0	1.671947