

Characterizing and Evaluating Cell Specialization Through the Gini Index of Gene Expression: A TCGA Normal vs. Tumor Case Study



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Published: May 29, 2025

Cite as: Cumbo F, Santoni D. Characterizing and Evaluating Cell Specialization Through the Gini Index of Gene Expression: A TCGA Normal Vs. Tumor Case Study. Open Bioinform J, 2025; 18: e18750362364938. <http://dx.doi.org/10.2174/0118750362364938250520114456>



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SUMMARY TABLE OF THE STATISTICAL ANALYSIS OF STANDARD DEVIATIONS

Table 1 below reports the results of the statistical analysis performed on standard deviations and based on z-

scores and Wilcoxon rank-sum test for each of the 17 tumor types considered in this study. Z-scores are computed considering the standard deviation of the actual paired samples and of those in the same 1,000 randomized gene expression profiles used for computing Gini index.

Table S1. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-BLCA are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A3BM	0.9264239871	0.9080490119	154.68883	96.43031
A2C5	0.9224576714	0.9282946197	151.95858	222.19769
A20Q	0.9359826374	0.9236195676	133.56378	149.16459
A0YR	0.9180891384	0.9344879804	109.83594	198.76369
A20U	0.9449703359	0.9117340418	195.59044	93.63012
A2LA	0.9336658289	0.8897754671	123.53428	67.89630
A0YN	0.9269895324	0.9240204421	105.14391	163.99434
A13J	0.9308255413	0.9161325754	122.80717	92.53150
A54R	0.9260035463	0.9145792187	135.71554	87.97194
A6I3	0.9281541403	0.9340961722	127.75173	151.45745
A2LB	0.9458646358	0.9209801424	209.29742	134.35776
A3OP	0.9243242865	0.9160922793	143.76300	162.05531
A3WC	0.9187152779	0.9164581422	133.00635	151.24905
A20N	0.9331593033	0.9149552461	112.11224	105.30660
A3OQ	0.9074732666	0.9073534907	124.90734	71.27612
A5RI	0.9186601531	0.9161467308	111.28156	104.39026
A3WV	0.9192367999	0.9008157607	150.26802	110.87332

A20W	0.9051581964	0.9194939622	108.33031	189.54448
A20R	0.9401306602	0.9181210557	133.90115	131.66324

Table S2. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-BRCA are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A0DZ	0.9061138169	0.9180680754	82.67526	84.10881
A18S	0.9024858521	0.9104996548	114.50163	189.86958
A0BA	0.8958880130	0.8954984111	89.67871	101.29358
A0B7	0.8800783257	0.9033692842	78.66155	92.16660
A0DQ	0.8847752673	0.9088296403	69.83293	122.22300
A1F8	0.9044558008	0.9064935087	116.07042	82.91311
A0H5	0.8860635685	0.9028337179	94.97982	79.25304
A1RC	0.9399306113	0.8896071054	220.45748	55.53606
A13E	0.9207982673	0.9042428046	155.84160	94.97376
A11G	0.9126815948	0.9033477158	136.91036	90.94170
A1F2	0.9209158995	0.9101568596	191.17359	117.83038
A0BW	0.8888564381	0.8781560302	89.90533	45.24785
A1F6	0.9136115375	0.9096640555	169.25546	94.88449
A1RF	0.9388470884	0.9236505804	221.57652	155.27432
A18P	0.9287124293	0.8860892321	215.04294	53.78675
A204	0.9434231073	0.9107206809	288.22486	123.07715
A0AU	0.8824616416	0.8957786802	77.76262	77.15022
A18M	0.8876573655	0.8888859921	84.00005	58.52797
A1FR	0.8945007902	0.8975433498	98.54526	96.60901
A0DK	0.8989232016	0.9274417119	103.21081	191.50866
A0DV	0.8874732106	0.9075501169	76.91357	83.88066
A15K	0.9342759714	0.9047770525	201.03794	102.66334
A18N	0.8936994004	0.8937517201	105.42377	72.92931
A0DO	0.8945804802	0.8978949220	86.71039	94.59000
A1FE	0.8943403185	0.9097188442	106.93516	78.01644
A2C9	0.8893080804	0.9054592785	63.36855	104.10332
A153	0.8931416841	0.9109862954	105.28995	86.10763
A1RB	0.9173647348	0.9097471441	162.29664	107.55196
A0BQ	0.8892302661	0.9035215378	94.32434	72.53627
A0AZ	0.8733328020	0.9127636457	65.61339	103.23541
A1ND	0.9195426876	0.9190009624	137.19954	150.75648
A1EV	0.8977796678	0.9061293270	119.55032	94.50844
A0C0	0.8829229785	0.9034194749	69.49038	84.10256
A0DG	0.8828553250	0.9066959025	72.95364	107.48562
A1EN	0.9202843714	0.9271207896	178.09277	125.34523
A18R	0.9053474236	0.9039220451	137.72943	97.36089
A0BJ	0.8839859694	0.8966987733	62.83338	71.95106
A0BZ	0.9130358210	0.9033979613	141.63348	64.65403
A18J	0.8980712352	0.9105052239	105.61505	103.44648
A13G	0.9432743761	0.9161355605	258.06358	807.76459
A15M	0.9127193994	0.8911410857	128.75183	85.79597
A1FD	0.9163438622	0.9069843103	154.23131	92.00596
A1FU	0.8805617225	0.8988423373	84.04570	83.07347
A203	0.9085833732	0.9088704281	151.20022	95.28433
A0DB	0.9278491911	0.9481747278	159.76095	1437.72015
A208	0.8971474805	0.9278865575	97.51393	122.60599
A0BT	0.8884659036	0.9155735862	70.63984	115.99105
A0DC	0.9079162436	0.9715717881	126.10119	2493.96185
A18U	0.8864978624	0.9034246322	77.92854	68.20097
A1FN	0.9058165367	0.8966104163	101.00666	70.58028

A0E1	0.9061798362	0.9088152798	79.35577	93.89498
A1LS	0.9522187580	0.9684123152	332.63072	510.95000
A0DP	0.8907770416	0.8963359231	72.92930	71.11266
A1ET	0.8847387543	0.8977597456	92.90548	101.92416
A0E0	0.9207599809	0.9383889218	130.93495	202.77881
A13F	0.9124813626	0.9102349849	138.20464	96.75495
A0DL	0.8887823982	0.9186052255	93.99155	167.96260
A18V	0.9145677918	0.9051271458	102.98202	100.23698
A0BC	0.9073950789	0.9064395266	116.70922	91.37006
A0DD	0.9315126926	0.8859525814	179.67569	56.72326
A1L7	0.8846082345	0.8944286575	62.39440	86.73032
A1N4	0.8887175113	0.9028020474	98.78711	83.40439
A18Q	0.8788871069	0.8871496818	78.05187	71.98678
A1RI	0.9360874345	0.8939529070	204.24108	88.54708
A1NF	0.9119396912	0.9188716338	99.35474	107.99928
A18L	0.8990412551	0.9048808415	104.89370	85.76015
A0BV	0.8818259936	0.8997235415	66.36836	73.09874
A0DH	0.9254812993	0.9216416301	158.39949	157.48271
A1FG	0.9445123488	0.9368876831	313.86294	226.84765
A0BM	0.9109950620	0.9292956759	125.26899	196.90551
A1N5	0.8832825646	0.8897217111	70.44047	83.95204
A1BC	0.9440000449	0.8945591643	220.87572	86.61711
A1F0	0.9063942285	0.8989935482	122.39660	84.59757
A2FF	0.8936866707	0.8993829553	86.69132	87.62494
A1N9	0.9024844061	0.9024348095	129.72864	106.02876
A2FM	0.9097477550	0.8913798542	81.27628	61.13100
A1FC	0.9003567271	0.9188034763	110.72035	120.53707
A0HK	0.9040609956	0.9382187311	79.24059	241.88219
A1EU	0.9000343144	0.8800474867	135.64375	71.26474
A2FB	0.9077024804	0.9020265943	98.96551	97.45745
A0B5	0.9482035752	0.8787281427	259.86925	59.90735
A1FM	0.8987383017	0.9290423864	124.54737	178.43960
A0CE	0.8957312814	0.9077404193	72.40478	95.24044
A1RH	0.9420126407	0.9126694633	274.92336	107.16233
A1R7	0.9213868243	0.9141209522	168.70566	148.41563
A0C3	0.9007742773	0.9040479329	111.93406	114.09341
A0DT	0.8885472768	0.8919163820	89.65930	76.26339
A1NA	0.9058667028	0.9007925735	111.81781	65.85172
A0B8	0.9349750081	0.9165878775	194.72233	138.73524
A0AY	0.9003880268	0.9326018549	94.63226	232.55305
A2C8	0.9661532520	0.9200574977	254.28949	160.68696
A18K	0.8947885205	0.9099519682	128.43732	118.76009
A0D9	0.9379990251	0.8975405914	204.21893	88.93306
A158	0.9221805434	0.9120174369	159.63859	124.14938
A1FJ	0.8988391669	0.8838222522	90.96691	45.07811
A1LH	0.8892634247	0.9465616567	76.62850	300.91984
A1NG	0.9142511881	0.8996642706	129.02807	61.91345
A1RD	0.9214930148	0.8964545554	164.62624	75.76692
A1FB	0.8921318305	0.8826565481	97.80724	64.77758
A15I	0.9426164550	0.8780180822	280.08443	68.69862
A0H7	0.9066762080	0.9176463807	105.72104	111.99370
A0CH	0.9170104195	0.8996081801	131.94089	88.03440
A1EO	0.9294394401	0.8953083975	147.33483	61.49644
A0B3	0.8804819329	0.9155972562	76.44515	91.16175
A1N6	0.8938310796	0.9005921042	86.21919	65.74276
A23H	0.9221419372	0.8990704884	168.41215	56.66826
A0H9	0.9375724222	0.8952899545	158.98720	52.60630
A1LB	0.8904518464	0.9193016874	71.41942	105.42952

A0HA	0.8863673239	0.9143770724	78.99237	101.89463
A1EW	0.8762480076	0.8871123675	69.00723	68.52669
A209	0.9006299677	0.9114058393	111.09560	103.65037
A1FH	0.9002471709	0.8867912179	85.19303	70.23050

Table S3. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-CHOL are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
AA2X	0.9647761738	0.9148348624	319.94061	126.34270
AA2Q	0.9676426224	0.9032441314	356.23366	95.98073
AA30	0.9697729068	0.9203687849	342.05192	203.13640
AA2I	0.9749434143	0.9530020902	370.35933	372.57189
AA31	0.9682714483	0.9046448277	316.26233	86.55640
AA2U	0.9689728953	0.9229816684	350.88800	197.17326
A8S4	0.9739078646	0.9088948275	306.11149	80.30159
AA34	0.9726398946	0.9282379986	384.85220	150.56604
AA2R	0.9670502213	0.9022890814	278.50582	110.16874

Table S4. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-COAD are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
2678	0.9216570655	0.9020405446	138.63072	72.25761
5659	0.9372449604	0.9620561667	224.81644	681.88370
6603	0.9114325610	0.9082949891	110.82702	132.25698
2682	0.9292930105	0.9225433424	171.53066	111.27332
6600	0.9286650452	0.9066608591	202.56628	80.58843
3662	0.9113543106	0.9224564462	90.37365	180.26201
3520	0.9295413513	0.9032696341	143.72254	78.61478
3516	0.9442800199	0.9252064449	195.99062	107.46375
5665	0.9430225070	0.9269024383	246.14952	445.19184
3514	0.9308692486	0.9342921140	128.30017	103.59408
2680	0.9331209876	0.9196860977	146.26434	110.91391
2679	0.9315252903	0.9486399599	180.76207	217.97186
3531	0.9426799135	0.9235858690	209.67024	107.19587
3697	0.9189686982	0.9160059885	103.02941	133.98581
2684	0.9354360474	0.8924453351	148.71581	222.51482
6601	0.9265749412	0.9014661924	194.35293	84.89340
6704	0.9146560798	0.9114309486	126.26618	96.15415
3527	0.9274523454	0.9416105220	138.47024	105.59245
3489	0.9173190281	0.9022891533	79.27261	94.21532
3663	0.9255664246	0.9215442665	174.67665	81.73634
3496	0.9108689043	0.9171749052	85.48052	147.51454
6599	0.9158186917	0.9224016516	137.79142	128.49257
2686	0.9335051115	0.9168450858	172.65944	102.63274
2675	0.9265530928	0.9053991128	178.80467	104.66351
6605	0.9307908487	0.9142520793	141.61695	128.71139
3712	0.9226600708	0.9076308395	159.69072	97.36087
5667	0.9215897034	0.9080247957	140.12665	91.97963
2671	0.9307050077	0.9191264029	145.31236	120.41933
3518	0.9362884748	0.9157553415	205.14148	115.12400
6598	0.9321545853	0.9296327860	260.98665	190.85542
3534	0.9258778120	0.9109160494	167.39630	105.24505
3517	0.9354610310	0.9211691214	198.09570	209.17450

3660	0.9283399536	0.9136026621	133.79580	117.70112
3713	0.9267646935	0.9023894318	109.46245	99.44811
2683	0.9294050127	0.9443200339	149.01243	161.32481
3522	0.9241206998	0.9186000051	133.16874	90.94469
3511	0.9187958397	0.9290318238	138.52083	224.36637
3525	0.9291226889	0.9193441314	173.28865	91.27008
2685	0.9221966293	0.9124230724	116.10632	85.00008
3655	0.9148970934	0.9064254875	79.71962	109.80453
5662	0.9255435868	0.9038989999	178.87637	60.77492

Table S5. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-ESCA are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A4OG	0.9394493958	0.9117880185	394.81918	127.02044
A4OJ	0.9534321049	0.9121107816	503.97993	116.41406
A43C	0.9650278693	0.9208806948	689.23995	182.60846
A6RE	0.9461534511	0.9110483751	202.70658	163.24284
A6RF	0.9289445672	0.9133543896	141.78462	103.52444
A7RE	0.9110122829	0.9149067870	233.91326	135.89959
AASX	0.9190338381	0.9015078799	172.66787	135.64781
A4OO	0.9388570420	0.9121262525	295.82410	194.17390

Table S6. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-HNSC are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
7097	0.9329879310	0.9191874207	156.72538	86.36046
6960	0.9381327121	0.9150475117	149.28496	109.64526
7250	0.9391731614	0.9202377485	156.48010	114.06526
7434	0.9243782159	0.9291707027	140.69975	108.63295
6936	0.9429142645	0.9230350063	194.88776	151.30689
6961	0.9584830347	0.9089703592	249.55712	68.28109
7425	0.9526619253	0.9393473850	221.04439	149.61475
7424	0.9329854760	0.9111421476	160.99985	114.07572
7242	0.9415280932	0.9101781229	189.35674	96.15029
7255	0.9290594594	0.9192261336	138.41897	87.77806
7438	0.9428208757	0.9255275982	191.06326	116.72117
7103	0.9442459050	0.9104920854	191.38241	84.95541
A7GZ	0.9483206358	0.9089637598	223.16428	77.33509
6943	0.9488203228	0.9266510393	224.87296	110.24381
6955	0.9335637109	0.9576311101	167.95659	248.27151
7235	0.9186162317	0.9175253809	123.40568	66.96846
7238	0.9505477552	0.9281097011	306.59199	160.84931
6934	0.9262436813	0.9049601334	135.08155	66.93651
7416	0.9555578473	0.9056789106	205.77395	64.22957
A6IO	0.9476475339	0.9606701921	198.47678	274.32168
7091	0.9587262479	0.9224630177	287.74158	109.52753
6956	0.9524523823	0.9296984013	230.21874	128.82040
7178	0.9351221386	0.9096892179	161.47687	73.04211
7437	0.9415578348	0.9252320741	197.46835	101.55377
7440	0.9290728746	0.9196352747	110.12229	87.44251
6939	0.9641266175	0.8870808846	352.83068	67.64704
8635	0.9407101783	0.9163204575	187.90885	104.15269
7432	0.9335200505	0.9349129172	159.65277	122.40706

7245	0.9353867455	0.9225228323	165.31047	99.38336
A6HZ	0.9639308100	0.9179549866	408.47224	113.85728
6935	0.9496401697	0.9325579409	228.40887	123.00719
7252	0.9446116719	0.9255194380	196.15454	102.12474
6933	0.9727486050	0.9234737670	584.79593	113.48183
6962	0.9429227174	0.9219189011	190.70930	137.42131
6959	0.9484611117	0.9151590910	190.06387	80.90631
A6C4	0.9644053662	0.9464866962	314.43324	173.34437
7177	0.9401369049	0.9195769808	178.14138	94.50961
7423	0.9496851252	0.9354473262	205.48707	148.98964
7101	0.9398864128	0.9271420456	155.66938	113.82682
6938	0.9074523045	0.9301616744	85.40783	107.31097
7183	0.9606178491	0.9584058783	338.01579	223.01015
7406	0.9585272636	0.9014915930	245.67552	68.47514
7261	0.9409235127	0.9031778704	167.91591	64.25050

Table S7. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-KICH are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
8329	0.9179265427	0.9443773788	166.66444	286.78520
8434	0.9133266047	0.9461802439	148.83072	338.88247
8419	0.9002338066	0.9561083689	78.97751	410.46405
8437	0.8888605666	0.9542812343	78.35923	503.41808
8436	0.9218505537	0.9550831912	214.45135	463.20774
8324	0.9091248634	0.9576475665	131.57189	440.06776
8415	0.8995796410	0.9619936562	111.21517	476.61144
8427	0.9111176332	0.9095541044	128.03468	59.76185
8336	0.8978639476	0.9478143323	72.80389	323.41729
8403	0.9138843492	0.9663373786	186.10643	563.27581
8430	0.9304071280	0.9501962584	245.22146	398.48909
8326	0.9324850283	0.9748989623	271.97550	690.46547
8435	0.9087377969	0.9328697805	155.55756	219.81347
8424	0.9113450628	0.9413122397	142.46492	278.03439
8428	0.9020726145	0.9273536807	116.02630	205.33807
8425	0.9082834808	0.9522375901	133.07858	387.72775
8432	0.9018888029	0.9223071658	67.98827	165.29471
8339	0.9206443124	0.9357471034	142.56097	189.67713
8426	0.8937462736	0.9569558092	92.55066	438.84449
8431	0.9037727630	0.9671344145	106.50270	535.33378
8423	0.8803961466	0.9355779592	55.62344	239.46171
8433	0.9298924459	0.9710128930	246.44163	746.99282
8429	0.9050705232	0.9383326053	73.51618	265.87753

Table S8. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-KIRC are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
5709	0.9281037171	0.8941455138	230.94169	66.54162
5989	0.9012877959	0.9289985441	122.93407	171.40513
5467	0.9319956537	0.9096873500	212.84075	74.93593
5986	0.9349883063	0.9043776418	299.97508	98.01019
5451	0.9279023029	0.9161389624	212.33375	126.28257
5705	0.9387921316	0.9117975951	312.27761	108.81616
5681	0.9393074575	0.8933629789	346.71382	62.38641

5701	0.9195534640	0.9224047667	204.15217	171.92786
6090	0.9314678781	0.9188980806	231.73356	85.57160
5457	0.9236522970	0.9214713090	181.10586	141.86608
5591	0.9155720247	0.8996269481	115.39733	92.54838
5469	0.9117208813	0.9351854418	137.54689	179.60348
3358	0.9410417552	0.9249121598	287.70213	201.85663
5454	0.9090049921	0.9320913354	129.19721	155.15975
6030	0.9317367050	0.9182320342	234.55494	152.87361
4863	0.9162719860	0.8991989737	148.11067	92.14974
5697	0.9390542257	0.9145633439	317.06037	129.34135
5676	0.9274770145	0.9446734488	230.69431	275.28294
5461	0.9211376575	0.9100052073	201.11103	106.71478
5982	0.9522902801	0.9076097223	393.96775	103.63677
4712	0.9196257420	0.9338269526	160.90151	141.98966
6087	0.9498962705	0.9068338744	413.47222	80.31394
5706	0.9351433481	0.9416233311	296.99588	206.09719
4864	0.9431931376	0.9055919767	316.11651	137.88441
5696	0.9330316371	0.9244117743	260.89748	130.23955
5985	0.9524996990	0.9070452767	410.21167	90.13185
6033	0.9444182754	0.9209433956	358.26490	106.53859
5453	0.9057910784	0.9371364821	130.13821	263.40810
5462	0.9160405733	0.9102319931	152.47365	89.65651
5455	0.9272269172	0.9002894651	204.06134	86.94803
5984	0.9380440534	0.9122967016	329.58910	105.73802
4619	0.9503211570	0.9494619231	376.76571	415.99877
5470	0.9130996298	0.9292347320	153.86415	193.97217
5458	0.9147006177	0.9119350746	123.39376	111.78183
4700	0.9552594257	0.9285083327	524.56149	176.61145
3387	0.9466900351	0.8952783280	307.13937	75.82145
5636	0.9281545170	0.8783010979	244.81116	34.78392
5678	0.9533595117	0.9334643562	447.27602	154.40717
5680	0.8945230091	0.9116716424	104.29168	123.56301
5452	0.9088682402	0.9271213923	126.13358	156.63606
5677	0.9306844473	0.9316489238	259.61080	169.97844
5463	0.9145526688	0.9097602926	168.53834	122.47698
4622	0.9442428830	0.9179475527	340.35797	186.75366
5584	0.9111747537	0.9093551285	141.09903	117.51013
5672	0.9255097374	0.9325120188	232.17905	227.32332
5699	0.9394648996	0.9061946139	311.73401	94.98321
5988	0.9414972219	0.9063050425	332.71947	77.94241
5587	0.9292480747	0.9013990451	220.09159	78.94478
5549	0.9118021238	0.9184204057	155.06190	123.37024
5580	0.9215752104	0.9037510152	218.36093	95.50283
4865	0.9086204742	0.9100616416	150.21045	96.94198
5552	0.8912471507	0.8953761879	72.26322	77.09308
5465	0.9131897810	0.9168265808	162.66824	118.43859
5987	0.9055427090	0.9392770630	122.47747	282.38407
5456	0.9390445866	0.9164029880	267.71891	95.22790
5466	0.9365552738	0.9270638408	290.03113	167.16198
5679	0.9149172482	0.9461924736	181.37491	321.66132
5689	0.9123895163	0.9313426918	156.92280	227.98390
5711	0.9131709771	0.9108153346	170.83846	123.66464
5694	0.9230370225	0.9394856080	239.27390	276.89904
6088	0.9160942176	0.8843662540	183.26762	62.07349
5712	0.9126435126	0.9262661635	146.74828	170.00977
5468	0.9154264696	0.9277441885	142.51341	165.46121
5589	0.9213128109	0.9035806074	189.27126	89.61761
5585	0.9311116458	0.9050075021	232.93541	86.15532

5641	0.9157742715	0.9150689163	193.24454	113.07924
5402	0.9326708342	0.9178326000	266.33560	136.24439
5691	0.9234522824	0.8865819865	230.29154	68.75246
5690	0.9353531890	0.9067956616	287.66431	104.63550
4620	0.9296249365	0.9315668448	255.73855	215.45917
5703	0.9206932987	0.9426821870	186.24604	335.70748
5581	0.9352231568	0.9097934694	258.33023	95.96112

Table S9. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-KIRP are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
5879	0.9298356140	0.9094137127	205.01287	102.73742
5894	0.9372045991	0.9050875886	233.76979	79.68394
5887	0.9181306875	0.9394810064	162.65499	197.13296
5891	0.9305861681	0.9003226159	237.54611	54.06246
7051	0.9271988223	0.9039678193	252.61967	86.95484
5882	0.9335668605	0.9176247075	213.93205	145.76271
6133	0.9411379263	0.9008700911	325.07155	80.85800
5890	0.9181570664	0.9479422122	196.80347	302.78860
5875	0.9140311981	0.9432348962	179.50560	312.01519
6132	0.9006748676	0.9077861719	130.13346	116.20261
7059	0.9290017258	0.9309115861	242.09127	200.59723
A4ZT	0.9176128230	0.9240342645	222.04369	249.34075
A57E	0.9467590819	0.9448753541	440.47818	418.16262
A59R	0.9166931856	0.9078161148	197.96740	132.16911
6846	0.9463795569	0.9382860715	350.00256	320.43492
7044	0.9256116046	0.9533555702	201.33139	404.55781
5877	0.9411928922	0.8883892646	271.13881	46.86562
6134	0.9373958297	0.9351218440	304.06581	250.30345
5878	0.9403468783	0.8973178731	278.96813	82.63601
7045	0.9172821157	0.9582667233	156.08197	480.87875
5888	0.9216426711	0.9492394860	186.47358	340.54784
A5ED	0.9111414544	0.9413659957	172.97914	285.88293
7061	0.9032731337	0.9391039633	84.06032	299.74337
7046	0.9274599926	0.9372495072	206.36479	264.30340
A5E8	0.9303584939	0.9285773337	256.58738	159.11240
A8RY	0.9081404642	0.9283989954	141.94257	292.19490
7055	0.9277695733	0.9526710518	255.15413	372.23184
A9DE	0.9128439457	0.9421514331	186.68975	295.48374
7966	0.8903690076	0.8887038489	90.75878	64.17848
5884	0.9386720148	0.9061523912	260.68591	99.94787
4115	0.9309916634	0.9283042624	259.40960	189.23421

Table S10. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-LIHC are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A3CH	0.9701651077	0.9561413782	332.49224	268.97920
A114	0.9597588816	0.9141347607	238.60214	121.73204
A11D	0.9654026030	0.9568941619	271.09612	193.44660
A11C	0.9688159261	0.9506857117	273.48429	160.74601
A1EG	0.9717372637	0.9512555058	338.56454	251.18717
A39Z	0.9776047780	0.9648170112	343.21728	247.54836
A10W	0.9702289995	0.9235458091	303.85534	104.97262

A23B	0.9616952683	0.9507244423	292.35034	211.36592
A1EH	0.9759288241	0.9364464228	374.31797	164.81526
A10R	0.9674780540	0.9616101829	256.83942	297.47809
A113	0.9734275542	0.9499425400	299.19157	249.52940
A12J	0.9637654294	0.9443487304	264.54178	160.96708
A3A5	0.9732763851	0.9558957392	262.25238	156.86623
A3A1	0.9713377754	0.9589633394	265.37213	201.41693
A1EC	0.9657966057	0.9395522443	226.75018	192.79761
A1EJ	0.9667273832	0.9388503346	265.69074	169.22402
A3R2	0.9640646799	0.9363861286	287.95790	127.49912
A2HT	0.9569511527	0.9721715325	228.49932	288.11997
A10Y	0.9632777990	0.9425716168	280.43360	149.97812
A1EE	0.9647228975	0.9414375879	219.55082	172.01686
A2L6	0.9614552324	0.9613255709	307.83394	289.28078
A3I1	0.9681247629	0.9378853609	314.93192	150.64243
A10Z	0.9661863461	0.9495200283	296.29648	203.24207
A3A2	0.9712029972	0.9757768576	347.76276	423.90469
A216	0.9771578310	0.9471685931	365.85379	255.81491
A39V	0.9751369031	0.9616253018	307.08022	318.94924
A3I0	0.9727412062	0.9297017769	289.98309	116.36576
A10Q	0.9720856333	0.9404996161	300.49937	273.47325
A1EB	0.9620529510	0.9600902980	249.18571	228.82272
A116	0.9731987343	0.9593533844	365.97170	282.96474
A3RK	0.9725959613	0.9412264501	362.02799	151.16860
A10U	0.9714626736	0.9447811112	328.61223	192.61309
A118	0.9707580390	0.9549222367	313.24773	220.92559
A3A3	0.9630555166	0.9693816832	243.99996	278.87470
A110	0.9687377199	0.9623118809	258.40348	240.09049
A39X	0.9725398425	0.9588022420	301.95386	330.03898
A3A6	0.9836512827	0.9702489442	425.81166	460.44086
A3EP	0.9645040599	0.9465434867	296.02029	210.60285
A3A8	0.9774667341	0.9621210104	377.49315	238.17100
A26S	0.9721880180	0.9548973734	339.33702	252.56771
A11B	0.9746697728	0.9541389258	399.99635	199.61127
A2QR	0.9547045905	0.9473283199	233.07245	205.95967
A39W	0.9708684331	0.9545753457	290.14812	207.20209
A3A4	0.9539915507	0.9672351273	195.16940	243.00818
A119	0.9692277980	0.9660804214	249.96953	291.41930
A11A	0.9710408856	0.9508897291	284.86379	193.33756
A10T	0.9760644593	0.9559230443	379.49769	257.66240
A1EI	0.9692125758	0.9390488869	320.97483	177.59563
A1EL	0.9648400511	0.9387430127	309.41221	212.98302
A10X	0.9691885076	0.9588218811	288.54380	230.04797

Table S11. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-LUAD are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
6745	0.9221552788	0.8994495919	138.38888	61.66733
6835	0.9020687981	0.8768306556	116.71912	58.58314
6983	0.9199300010	0.9060420605	148.67929	86.93328
6831	0.9149948284	0.9014291610	115.37168	88.47122
6984	0.9204852602	0.9328519740	140.62029	193.56867
4626	0.9290297255	0.9178752032	157.13580	140.63705
2661	0.9052626952	0.9245070663	86.37218	128.89951
6979	0.9215695183	0.9135404997	131.02529	132.82668

2655	0.9093224059	0.9125571573	97.34939	86.16662
2668	0.9203630646	0.8701528303	117.04626	356.86401
4512	0.9393080962	0.9394101814	164.82397	268.42971
6968	0.9231190465	0.9074980477	151.87974	129.53819
6986	0.9012074593	0.9083280300	128.58293	78.37280
6836	0.9204090980	0.8994636668	145.19704	61.84757
5930	0.9269524623	0.9314114380	150.66839	147.40104
6146	0.9047000641	0.9092485915	104.02934	81.75596
4625	0.9310822414	0.9028478991	152.58255	65.29804
6975	0.9122524302	0.9109675374	155.16394	95.57726
6145	0.9196269635	0.9111761322	133.65984	86.83746
6148	0.9031009967	0.8988973764	126.43268	110.68740
6849	0.9018358659	0.9248004827	94.83351	132.49522
5936	0.9122563875	0.9051063135	102.08597	82.72913
6847	0.9156313791	0.9035116886	140.01645	96.56076
4676	0.9333407252	0.9176470862	153.27892	98.52762
5931	0.9232967644	0.8864948181	128.57753	56.50117
6147	0.9147987243	0.9182814760	93.99213	756.86089
6980	0.9084936154	0.9137897623	125.84698	115.39108
4632	0.9317751621	0.9172875231	212.01962	96.05737
5932	0.9063395012	0.9079436881	99.36618	79.64545
6778	0.9058374727	0.8968318258	90.00336	100.51771
6971	0.9154279964	0.9134722885	165.47935	141.48255
6972	0.9054699005	0.9282707333	106.73486	146.42809
6985	0.9157916178	0.9159666614	150.01088	173.30384
5935	0.9094851096	0.9051142692	108.53007	83.10926
6743	0.9167883740	0.8925222578	120.98954	66.55976
2665	0.9170342425	0.8999814317	113.20415	74.12453
5933	0.9125066000	0.8969502508	94.36538	62.86931
6744	0.9026015894	0.9132699153	90.76809	122.86031
6829	0.9313339998	0.8829199876	198.31555	55.74762
5645	0.9061329600	0.8920653695	101.86915	81.48791
6982	0.8938839834	0.9134334879	86.24643	97.51488
6777	0.9208319043	0.9203257911	138.12212	111.74680
6595	0.9078799479	0.9034089213	113.22088	66.47009
2662	0.9207492121	0.9367794271	114.87565	891.97653
3398	0.9034444755	0.9168676039	90.75802	88.05790
6978	0.9045040042	0.8913239809	112.94859	61.71084
6981	0.8975762920	0.9207732996	101.83034	178.90861
6776	0.9099682617	0.9232450577	106.81592	130.33550
5939	0.9119210781	0.9107378343	101.90827	76.88318
2657	0.9138183982	0.9259021790	118.84208	182.37077
6742	0.9236152593	0.9206931345	139.09895	158.54418
6828	0.9106724837	0.8968182723	115.42954	74.04569
6761	0.9189555719	0.9209162333	138.15456	137.54460
3396	0.9073555577	0.9177587654	92.12644	125.60177
6970	0.9035130153	0.9094582046	98.76867	80.27797
4627	0.9244095957	0.9130444711	134.92587	77.17171
4490	0.9266916901	0.9173406969	119.44983	130.64355

Table S12. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-LUSC are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
5489	0.9200325299	0.9176325750	133.95566	123.19614
7107	0.9351327796	0.9065758095	167.91746	84.73782

4587	0.9242138168	0.8762131411	134.14551	50.31771
5472	0.9020976882	0.8907905975	87.73079	60.65804
5491	0.9277262416	0.9124415048	158.51157	73.62954
5482	0.9010140303	0.9134750141	78.79040	81.08668
7731	0.9238267520	0.9229248103	109.64682	124.84796
8201	0.9186381988	0.9079596640	120.90755	68.59950
7658	0.9122035801	0.8743268895	123.60486	48.74626
7823	0.9024631117	0.9048589691	101.17942	87.75415
7582	0.8929958442	0.9159026182	80.17679	123.68827
4609	0.9138375871	0.9061704709	109.25032	86.20134
8623	0.9108451956	0.9143748400	128.89868	138.90152
5670	0.8987181335	0.9060919848	101.44971	64.84712
6837	0.9064678155	0.9310075132	78.63043	148.08845
7579	0.9062695138	0.9194166378	114.73270	126.98217
2709	0.9227856179	0.9129592646	106.83198	127.63834
8083	0.9156751382	0.8545396612	125.23547	42.58038
5478	0.9159416386	0.8928977304	117.23281	68.41799
8082	0.9051575013	0.8911979822	70.94293	66.56089
7335	0.9246238685	0.9280734468	118.17050	135.28265
6771	0.9193455348	0.9371016965	107.60640	121.72348
8007	0.9198724873	0.9001275995	175.85134	69.50881
7138	0.9074037612	0.9177983538	125.48647	136.67705
7767	0.9015863274	0.8902110764	90.62267	45.25534
4081	0.9217179348	0.8908207751	139.09648	69.83441
7222	0.9244241106	0.9083096049	146.26764	72.46549
7338	0.9171562356	0.8985969742	116.55878	63.82143
7730	0.9271933446	0.8959271172	163.29125	82.39534
5483	0.9250359812	0.8972176720	147.17651	81.75233
4079	0.9140875842	0.9180099508	107.99578	86.77960
6737	0.9011654753	0.9334433266	72.80684	166.09302
6143	0.9305161305	0.8700926629	158.60407	53.47340
5481	0.9240012769	0.9179331328	149.63239	106.14940
7142	0.9084395830	0.9003008879	110.11107	79.44623
8386	0.9209521864	0.9002410543	139.76085	77.76477
8008	0.9071076746	0.9117395941	98.01555	86.47986
7710	0.8954349571	0.8946524065	89.53554	55.55171
7340	0.8931614323	0.9161554229	72.78002	97.03054
6647	0.9106698709	0.9147960258	102.21598	99.60616
5471	0.9159296348	0.9126921035	119.00750	87.25503
7657	0.9080425997	0.9007223160	102.42738	57.51082
7580	0.9103476041	0.9172529954	122.04928	119.71520
8309	0.9127046559	0.9043467772	126.30140	91.59990
4593	0.9203626483	0.8991787761	110.06212	65.49840
7337	0.9095870409	0.9073689918	102.61062	63.79139
5040	0.9216057204	0.8967240033	117.36927	60.52362
8454	0.9140659827	0.9014897768	128.62283	82.40757
6773	0.9051466121	0.9387937355	87.83405	255.89595

Table S13. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-PRAD are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
7781	0.8821187005	0.8951077850	59.49658	80.46654
5768	0.9094100476	0.9099767857	123.99866	108.82580
8260	0.9065395288	0.9102180738	106.19773	153.72336
6363	0.9090627643	0.9081512452	97.92532	58.09606

5767	0.9244122816	0.9304045279	209.79290	164.19165
7123	0.9158617390	0.9150736550	118.68013	101.23144
6499	0.9299693603	0.9253963673	204.09736	137.01574
7792	0.8790024141	0.8972699611	56.44320	92.79585
7321	0.8977965481	0.9157498229	129.49113	117.14892
7740	0.9461826015	0.9090139171	526.63991	725.92341
6342	0.9196071549	0.9121887436	120.72948	117.01852
7747	0.9531903594	0.9160702127	661.09516	126.19577
8262	0.9038338402	0.9234987869	104.57445	186.43296
7331	0.8935483898	0.8963802689	80.53589	77.41728
6356	0.9250883162	0.9154779920	152.06218	139.61437
8258	0.9559280286	0.9271376461	740.99777	435.53183
7783	0.9097514913	0.8902879848	83.98121	87.35667
7328	0.8992674744	0.9125417812	84.16595	142.36799
7738	0.9471120805	0.9148987964	543.41829	123.84204
7742	0.9120611777	0.9110215642	108.25858	107.85220
7793	0.8973292863	0.9198548410	79.00760	127.03012
7782	0.8983095346	0.8840839055	158.62640	61.10361
7330	0.9031199067	0.8939386693	95.35103	85.74939
A8FO	0.9114469782	0.9075548816	110.80616	117.39196
6496	0.9301858525	0.9513744512	178.91076	327.51414
5761	0.9059145622	0.9035653972	110.70680	108.27377
7789	0.8899379495	0.9202160517	72.22252	154.37990
7315	0.8710269403	0.9018002349	45.27201	74.40043
7211	0.9560991924	0.9004639649	514.07510	71.45046
7786	0.8827294788	0.9034407069	57.41219	94.22122
5769	0.9106935845	0.9142609317	108.88849	118.98693
7794	0.8750866241	0.8934059433	51.89860	72.90379
7125	0.9258037026	0.9179077425	186.69445	107.22897
7737	0.9390505251	0.9136683596	414.50699	135.90692
6384	0.9310483045	0.9094261499	182.27817	110.12309
7785	0.8859227079	0.8790428129	63.41117	58.46184
7317	0.9066122618	0.9358983894	163.63836	204.83111
7784	0.8880397374	0.8953818805	88.57943	82.23898
6348	0.9387622163	0.9223618815	262.63571	137.41983
7819	0.9064104268	0.9103481550	103.10331	97.03652
6351	0.9275689716	0.9206023426	201.45076	149.46904
8259	0.9196137122	0.9141645965	178.45195	105.41576
6365	0.9310238570	0.9238690529	205.18238	176.50281
7314	0.8921736610	0.9135895536	66.79374	113.69291
7745	0.9405346926	0.9269674538	372.54846	239.90269
6362	0.9424705578	0.9542707384	256.24100	293.12992
7752	0.9290942285	0.9780387044	213.19579	807.46381
7797	0.8972813922	0.9073836957	70.67769	99.70260
A83J	0.9077320619	0.9125190472	127.90636	102.16733
6333	0.9278201442	0.9197698014	180.67280	128.87737
7327	0.9047079553	0.8896401054	105.62712	69.15467
7115	0.9069993982	0.9191650044	120.56568	150.97077

Table S14. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-READ are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
3732	0.9066970593	0.9179739934	105.47598	191.74417
5654	0.9276085580	0.9338401822	151.89710	187.42263
3742	0.9132490511	0.9133907424	94.15478	134.22435

3725	0.9334661745	0.9251248587	115.11593	138.27753
6643	0.9203872131	0.9190187560	171.99765	132.68510
2691	0.9213763047	0.9244523150	117.83301	173.49132
3400	0.9238034981	0.9223136065	119.02811	103.80074
2692	0.9096937703	0.9182860476	102.17706	155.89584
3731	0.9175174902	0.8957686361	116.86719	80.43017

Table S15. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-STAD are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
5734	0.9632213232	0.9578150691	432.82971	359.22279
6457	0.9493570561	0.9268260817	297.01722	162.15586
7716	0.9320901183	0.9013554847	219.72655	84.16580
7806	0.9501497117	0.9159205491	200.88779	207.43477
A4GY	0.9324495555	0.9275484365	247.48634	365.68066
8238	0.9475998127	0.9486921138	224.14548	440.56797
5720	0.9484015721	0.9309641250	292.79886	197.98381
5721	0.9695949584	0.9291291005	484.38163	201.62374
AB1X	0.9428728439	0.9005278255	206.06939	112.85359
A4GH	0.9338010185	0.9401874015	256.46280	346.17380
7851	0.9436421826	0.9030712850	313.20655	109.95104
6453	0.9555624933	0.9426360024	370.95973	333.11936
8060	0.9583957841	0.9006585561	459.98751	113.92239
6802	0.9687957209	0.9179046071	557.24366	116.00834
A4GC	0.9520721296	0.9414179495	319.66144	349.59998
AB1V	0.9257226499	0.9232221570	150.49882	195.45764
A4HB	0.9451378725	0.9254119076	260.53269	248.91357
7715	0.9454585611	0.9310587872	284.08665	249.44312
7735	0.9383473236	0.9428136464	164.54773	310.63049
6454	0.9498965118	0.9172456484	344.30712	144.65101
7717	0.9414429652	0.9454166695	240.29926	269.13837
7968	0.9450846888	0.8942334583	216.13164	129.13025
8663	0.9540114381	0.9009447931	246.00709	86.97782
7704	0.9157747411	0.9207599374	118.48446	163.65180
5722	0.9452725896	0.9308472949	298.46425	190.95905
A4GP	0.9413684519	0.9395924792	267.39079	282.13888
7829	0.9260581809	0.9096305275	129.63210	116.92626

Table S16. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-THCA are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A3ZM	0.916012658	0.943822386	125.37329	204.44094
A2N8	0.902645946	0.911588164	99.54797	89.12401
A41I	0.912399268	0.974109470	132.14128	826.41352
A3ZL	0.907135556	0.937159019	113.70192	279.95728
A3ZT	0.905068572	0.915174990	128.70723	155.69049
A1YC	0.942260454	0.944662993	309.56673	334.90789
A3DW	0.913173146	0.929587762	120.27670	177.94235
A3MY	0.900031598	0.916707137	94.87200	122.68327
A41J	0.899763786	0.931689532	100.70690	138.74761
A3H2	0.901901429	0.904935531	108.02870	107.63214
A2NA	0.911221585	0.916178360	117.68566	128.35805
A3ZS	0.930069323	0.896065678	117.06962	78.06461

A3N2	0.901664391	0.925812584	97.88862	180.37859
A3H1	0.912169536	0.905860966	126.91690	92.18757
A290	0.902239277	0.909148496	101.33863	99.53100
A3T0	0.913644506	0.909157766	153.47882	110.61647
A3ZQ	0.908947499	0.941890655	105.86273	172.49673
A3ZO	0.910114617	0.932148976	132.47750	174.48221
A3PR	0.929679247	0.920046725	114.89326	146.98632
A28X	0.904789189	0.917547016	128.08343	156.60471
A3TB	0.901738664	0.904608617	95.35073	68.53820
A1CT	0.918594128	0.933907300	140.30538	225.08018
A2N7	0.907995358	0.917159652	112.58949	124.92112
A3ZG	0.925973769	0.919168369	134.65272	118.65085
A3ST	0.914418806	0.918556424	94.36439	130.42554
A1JZ	0.901766868	0.895819843	93.14359	61.44577
A3T3	0.914291116	0.927691100	139.91423	179.64717
A1CS	0.909502112	0.887523322	104.46540	66.67046
A1CV	0.899004110	0.891637555	77.64573	54.93760
A3ZH	0.911238828	0.898977163	106.45525	84.23536
A41L	0.901104402	0.949906758	116.97747	336.60655
A3PU	0.897383046	0.937888239	80.99771	174.06754
A1CW	0.899507246	0.926415926	79.84159	155.95554
A2C6	0.902037629	0.901781539	93.47469	95.99085
A3TA	0.906120494	0.917185106	101.19286	148.51711
A1CU	0.893290638	0.902574787	76.87926	67.86590
A3GZ	0.898917587	0.897443986	81.13341	63.19403
A3ZP	0.891553376	0.910388736	88.98066	112.97665
A3MW	0.898008911	0.910028945	79.60569	100.55918
A2K9	0.895409825	0.890700587	98.75691	55.76573
A3T7	0.914777883	0.906355873	142.90419	71.19999
A3ZK	0.908900611	0.935766144	130.73165	279.15560
A3N3	0.892922066	0.929590840	77.73569	170.87066
A3DP	0.904710664	0.898160686	75.77914	54.06600
A3ZR	0.899137118	0.908601575	103.68074	94.77745
A2MX	0.918755115	0.942682743	157.74791	268.63148
A3H7	0.903126477	0.931922918	89.53357	174.66713
A3T8	0.906319603	0.904550548	113.19219	99.48000
A3T6	0.907557190	0.924476024	91.38026	140.07561
A3MX	0.911859411	0.921407292	121.40971	139.60493
A3T2	0.906021955	0.895356288	105.88730	88.75821
A3TY	0.900557861	0.905688873	114.19931	119.02825
A2JQ	0.898938663	0.929073512	93.14921	153.70546
A3T1	0.906225491	0.922196787	97.64572	159.19111
A2N5	0.906945865	0.921515646	93.92041	140.00461
A28W	0.950060137	0.933482791	207.61000	145.41306
A28R	0.907590476	0.915265308	122.66699	124.18822
A2N9	0.914186246	0.941699988	99.90888	241.36175

Table S17. The Gini Coefficients and standard deviations for both normal and tumor samples of each patient belonging to TCGA-UCEC are reported.

Patient ID	Gini Coefficient (normal)	Gini Coefficient (tumor)	Standard Deviation (normal)	Standard Deviation (tumoral)
A2HA	0.9180853546	0.9596319108	184.02158	569.93764
A1M0	0.9088402458	0.9163468804	84.58570	85.20500
A1CK	0.9079802082	0.9457127607	120.18993	323.55789
A3PP	0.9231829711	0.9187141723	107.04892	92.99257
A3NE	0.9046107338	0.8964374513	105.21770	56.43925

A2QU	0.9223662380	0.9570169541	141.45608	475.34523
A0J0	0.9091937080	0.8957912721	119.71110	56.68766
A0CB	0.9235807814	0.9416324900	140.81456	242.83199
A05Y	0.9080453390	0.9253000600	89.41273	102.21204
A0IZ	0.9125403066	0.9326142928	89.49469	187.18260
A2QL	0.9051943242	0.9040114542	123.13203	92.11461
A2QY	0.9029788650	0.9416520718	80.07302	333.72386
A13C	0.9164366938	0.9065622570	93.49746	90.35294
A2HC	0.9199691483	0.9029185433	79.28131	78.56242
A4ZD	0.8937305223	0.9271024256	92.06236	198.08218
A2HD	0.9121041211	0.8811724604	90.74642	59.21528
A3NH	0.8990076468	0.9094587888	104.43919	110.23368
A1CF	0.9062420830	0.9010852672	102.53799	99.58164
A2H8	0.9094593999	0.8995659282	109.11075	83.72833
A3NC	0.9192755392	0.9117314698	148.93518	155.68730
A2AD	0.9184691472	0.9063027755	113.08433	106.33298
A1CI	0.8939076547	0.9658021844	92.83969	618.48908
A3EW	0.9248369861	0.8921398541	123.52780	57.25941