

Sample	Type	Coverage	Contigs	Lines	Loops	AvgLength	NormCov	TumCov	Ratio
TCGA-DK-A1AC	BLCA	Low	125	125	0	2535	6.12133	6.95129	1.13558491
TCGA-DK-A1AD	BLCA	Low	51	50	1	2333	7.52884	5.59671	0.7433695
TCGA-DK-A2I6	BLCA	Low	41	38	3	2475	6.98142	7.00734	1.00371271
TCGA-DK-A3IK	BLCA	Low	25	24	1	2632	4.72563	4.32566	0.91536155
TCGA-DK-A1A7	BLCA	High	24	14	10	4488	29.9589	30.9061	1.03161665
TCGA-DK-A3IL	BLCA	High	22	22	0	2650	28.9291	31.4929	1.08862357
TCGA-GV-A3JW	BLCA	Low	14	13	1	3291	7.67717	5.91984	0.77109664
TCGA-DK-A3IN	BLCA	Low	13	11	2	2769	7.15581	7.45633	1.04199664
TCGA-DK-A1A6	BLCA	High	12	3	9	4369	37.3673	30.7518	0.82296018
TCGA-DK-A3IV	BLCA	Low	10	7	3	2943	4.53087	4.72147	1.04206698
TCGA-BT-A3PJ	BLCA	High	10	1	9	4127	31.4493	33.8174	1.07529897
TCGA-FD-A3N5	BLCA	High	10	4	6	3036	33.7675	38.0948	1.12814985
TCGA-DK-A1A5	BLCA	High	9	6	3	4494	35.5331	30.5858	0.86076926
TCGA-K4-A3WV	BLCA	Low	9	6	3	3495	5.07537	5.02414	0.98990616
TCGA-GV-A3JV	BLCA	Low	9	5	4	3242	5.67337	6.36844	1.12251448
TCGA-GV-A3JZ	BLCA	Low	9	7	2	3358	4.1891	5.97924	1.42733284
TCGA-CF-A1HS	BLCA	Low	8	8	0	4366	5.10028	5.68525	1.1146937
TCGA-FD-A3SJ	BLCA	Low	8	7	1	3197	5.36617	6.41753	1.19592372
TCGA-BT-A2LD	BLCA	Low	7	7	0	4319	5.99154	2.62154	0.43754027
TCGA-FD-A3B6	BLCA	Low	7	4	3	3038	7.38919	8.7656	1.18627346
TCGA-BL-A13J	BLCA	High	7	4	3	5234	30.9731	36.8574	1.18998098
TCGA-G2-A3VY	BLCA	Low	7	7	0	3250	6.40788	7.91151	1.23465327
TCGA-BT-A2LA	BLCA	High	6	3	3	4399	36.7497	33.6381	0.91532992
TCGA-H4-A2HQ	BLCA	High	6	4	2	3437	35.5011	32.5159	0.91591247
TCGA-G2-A3IE	BLCA	Low	6	5	1	3205	5.73667	7.09318	1.23646297
TCGA-BL-A0C8	BLCA	Low	6	4	2	979	5.13885	6.55976	1.2765035
TCGA-FD-A3SR	BLCA	Low	5	3	2	3183	7.58013	6.8348	0.90167319
TCGA-GD-A2C5	BLCA	High	5	1	4	3262	33.6066	32.2923	0.96089161
TCGA-GV-A3QH	BLCA	Low	5	2	3	3357	6.0069	5.82009	0.96890076
TCGA-CF-A3MI	BLCA	Low	5	4	1	4822	6.99305	6.87734	0.98345357
TCGA-GD-A3OS	BLCA	Low	5	2	3	3263	6.92226	6.93823	1.00230705
TCGA-BT-A20Q	BLCA	High	5	4	1	4669	31.6836	33.5686	1.0594945
TCGA-G2-A2EF	BLCA	Low	5	5	0	3201	3.25512	3.75383	1.15320787
TCGA-GV-A3JX	BLCA	Low	5	5	0	3320	4.45839	5.23618	1.17445535
TCGA-GC-A3RD	BLCA	Low	5	3	2	3272	5.30443	6.41013	1.20844841
TCGA-CU-A0YR	BLCA	Low	4	2	2	5051	5.6095	4.93002	0.87886977
TCGA-HQ-A2OE	BLCA	Low	4	4	0	3432	8.28167	8.16419	0.98581446
TCGA-DK-A1A3	BLCA	Low	4	4	0	4825	7.09047	7.32249	1.0327228
TCGA-CU-A0YN	BLCA	Low	4	3	1	4916	5.60883	6.33834	1.13006456
TCGA-FD-A3SL	BLCA	Low	4	4	0	3197	5.34015	6.3817	1.19504134
TCGA-DK-A3IQ	BLCA	Low	4	4	0	2823	5.81226	7.28306	1.25305131
TCGA-BT-A20W	BLCA	Low	3	2	1	4572	7.89084	7.29475	0.92445798
TCGA-FD-A3NA	BLCA	Low	3	0	3	3092	6.62064	6.49102	0.98042183
TCGA-C4-A0F0	BLCA	Low	3	0	3	4039	6.37008	6.28037	0.98591697
TCGA-DK-A3X1	BLCA	Low	3	2	1	2946	5.55582	5.65438	1.01773996
TCGA-FD-A3N6	BLCA	High	3	1	2	3070	43.0389	44.5981	1.03622769
TCGA-FD-A3B3	BLCA	Low	3	2	1	3047	6.97012	7.2958	1.04672516
TCGA-BT-A3PH	BLCA	High	3	0	3	4297	31.6894	35.1031	1.10772372
TCGA-DK-A3IU	BLCA	Low	3	3	0	2851	4.42948	7.02024	1.58489033
TCGA-DK-A1AE	BLCA	High	3	3	0	2383	29.9918	50.5731	1.6862309
TCGA-BT-A2LB	BLCA	Low	2	1	1	4450	6.99462	5.66982	0.81059729
TCGA-BT-A20R	BLCA	Low	2	1	1	4742	6.89837	6.70126	0.97142658
TCGA-DK-A3X2	BLCA	Low	2	2	0	3052	5.61137	5.78211	1.03042751
TCGA-BT-A20N	BLCA	Low	2	2	0	5900	7.60434	8.00133	1.05220571
TCGA-BT-A20P	BLCA	High	2	0	2	5314	34.3785	36.911	1.07366523
TCGA-G2-A2ES	BLCA	Low	2	0	2	3201	7.36092	7.90385	1.07375844

TCGA-CU-A3KJ	BLCA	Low	2	1	1	4985	4.60094	5.56786	1.21015706
TCGA-FD-A3B7	BLCA	Low	2	2	0	3049	6.67516	8.15665	1.22194075
TCGA-DK-A2I2	BLCA	Low	2	2	0	2489	3.96342	6.89651	1.74004017
TCGA-CU-A3QU	BLCA	Low	1	0	1	4989	5.7143	5.13517	0.8986525
TCGA-FD-A3B4	BLCA	Low	1	1	0	3045	7.18295	6.55005	0.91188857
TCGA-DK-A2HX	BLCA	Low	1	1	0	2434	7.4805	7.11533	0.95118374
TCGA-FD-A3SP	BLCA	Low	1	1	0	3191	7.46442	7.17501	0.96122807
TCGA-CF-A3MG	BLCA	Low	1	0	1	4320	4.66667	4.56937	0.97915002
TCGA-GC-A3BM	BLCA	Low	1	0	1	3250	5.50538	5.80396	1.05423422
TCGA-G2-A3IB	BLCA	Low	1	1	0	3202	6.78465	7.6155	1.12246026
TCGA-A7-A0D9	BRCA	Low	12	7	5	16700	6.6755	6.94822	1.04085387
TCGA-BH-A0HX	BRCA	Low	10	10	0	12341	6.22189	4.26696	0.68579805
TCGA-AO-A0JL	BRCA	Low	10	6	4	14431	6.94127	7.00305	1.00890039
TCGA-BH-A0HB	BRCA	Low	6	6	0	14426	6.70209	6.77984	1.01160086
TCGA-BH-A0GY	BRCA	Low	5	4	1	13875	6.2806	7.04028	1.1209566
TCGA-AR-A0TU	BRCA	Low	3	2	1	12778	3.91899	4.53523	1.1572446
TCGA-BH-A0H7	BRCA	Low	2	2	0	16365	5.52925	6.35796	1.14987747
TCGA-B6-A0RE	BRCA	Low	2	2	0	11880	5.63826	6.50692	1.15406526
TCGA-AZ-4684	COAD	Low	5	5	0	4447	3.82227	3.53911	0.92591837
TCGA-AA-3664	COAD	High	5	4	1	2466	30.5827	32.6498	1.0675905
TCGA-AA-3968	COAD	Low	5	5	0	2582	2.69833	2.90764	1.0775702
TCGA-AA-3494	COAD	Low	5	5	0	2526	2.5072	2.86955	1.14452377
TCGA-AA-A00Z	COAD	Low	5	5	0	3655	2.75734	3.63471	1.31819435
TCGA-AA-3994	COAD	High	4	2	2	2577	29.5801	32.6947	1.10529376
TCGA-AY-4070	COAD	Low	3	1	2	4058	1.8696	1.86006	0.9948973
TCGA-AA-A02O	COAD	High	3	2	1	4248	34.6479	35.5784	1.02685588
TCGA-AZ-4614	COAD	Low	2	2	0	3924	2.7199	1.62717	0.59824626
TCGA-A6-2678	COAD	Low	2	2	0	510	3.10465	3.13624	1.01017506
TCGA-AA-3548	COAD	Low	2	2	0	3614	3.02621	3.25948	1.07708322
TCGA-AZ-4681	COAD	Low	2	2	0	4046	3.32024	3.75985	1.13240308
TCGA-AA-3685	COAD	High	2	1	1	2405	29.3297	44.8692	1.52982131
TCGA-CM-4746	COAD	Low	1	1	0	4406	3.21801	3.71512	1.15447746
TCGA-AA-3509	COAD	Low	0	0	0	2526	2.81845	1.64796	0.58470436
TCGA-AA-A02K	COAD	Low	0	0	0	3655	3.10754	2.03546	0.65500685
TCGA-AA-A01V	COAD	Low	0	0	0	3655	38.1948	29.9922	0.78524302
TCGA-AA-3514	COAD	High	0	0	0	2526	37.0938	40.0983	1.08099736
TCGA-A6-2680	COAD	High	0	0	0	510	34.2372	49.8693	1.45658231
TCGA-LN-A49L	ESCA	Low	15	12	3	4016	3.9513	4.13468	1.04641004
TCGA-L5-A4OH	ESCA	Low	9	7	2	4599	4.14519	4.56752	1.10188435
TCGA-L5-A43I	ESCA	Low	8	6	2	3069	6.96479	6.59673	0.94715419
TCGA-L7-A56G	ESCA	Low	7	6	1	4231	4.74389	4.41024	0.92966743
TCGA-LN-A49R	ESCA	Low	7	5	2	3882	6.1031	6.55921	1.07473415
TCGA-LN-A49V	ESCA	Low	7	7	0	4094	3.6197	4.42394	1.22218416
TCGA-IG-A3YC	ESCA	Low	6	6	0	2410	4.02632	4.40538	1.09414552
TCGA-LN-A49P	ESCA	Low	4	3	1	4038	7.07867	5.74772	0.81197739
TCGA-L5-A43M	ESCA	Low	4	3	1	3962	4.54813	3.94342	0.86704206
TCGA-LN-A49M	ESCA	Low	3	2	1	4170	5.19259	4.43586	0.85426733
TCGA-IG-A3I8	ESCA	Low	3	0	3	1386	7.66806	7.19348	0.93810951
TCGA-LN-A4A4	ESCA	Low	3	2	1	3978	4.54014	4.45852	0.98202258
TCGA-L5-A4OG	ESCA	Low	3	2	1	4005	4.41442	4.45289	1.00871462
TCGA-IG-A51D	ESCA	Low	3	2	1	2556	5.41114	5.51517	1.01922515
TCGA-LN-A49U	ESCA	Low	3	3	0	3790	3.94703	4.07201	1.03166432
TCGA-IG-A3YB	ESCA	Low	3	3	0	2719	4.55972	4.80994	1.05487618
TCGA-LN-A4A3	ESCA	Low	3	3	0	4043	4.29523	4.96702	1.15640373
TCGA-L5-A43H	ESCA	Low	2	1	1	2943	7.24884	6.95668	0.95969562
TCGA-LN-A49N	ESCA	Low	2	1	1	4164	6.94998	6.86244	0.98740428
TCGA-IG-A3Y9	ESCA	Low	2	2	0	2782	6.83828	6.77849	0.99125657

TCGA-IG-A3YA	ESCA	Low	2	1	1	2315	7.08418	7.08344	0.99989554
TCGA-L5-A4OP	ESCA	Low	2	2	0	4508	4.87639	4.9355	1.01212167
TCGA-LN-A4A2	ESCA	Low	2	1	1	4057	5.05746	5.66684	1.12049131
TCGA-LN-A49K	ESCA	Low	1	1	0	4166	4.25178	4.67548	1.09965238
TCGA-L5-A43C	ESCA	Low	1	1	0	2973	4.08796	4.90449	1.19974021
TCGA-14-1823	GBM	High	42	41	1	1672	33.9329	33.7194	0.99370817
TCGA-02-2483	GBM	High	22	20	2	1864	36.2966	34.1848	0.94181824
TCGA-26-1438	GBM	High	20	19	1	1517	24.8533	33.9034	1.36414078
TCGA-14-1459	GBM	High	20	17	3	1806	29.5629	42.1796	1.42677478
TCGA-19-2624	GBM	High	15	4	11	1586	36.3454	32.0488	0.88178422
TCGA-06-0686	GBM	High	14	7	7	1420	32.6454	36.2282	1.109749
TCGA-06-0157	GBM	High	12	6	6	1463	34.5542	34.3875	0.9951757
TCGA-06-2557	GBM	High	9	6	3	1752	37.1629	31.3386	0.84327649
TCGA-32-1970	GBM	Low	8	2	6	1699	41.2073	28.6029	0.69412216
TCGA-14-2554	GBM	High	8	7	1	1630	36.4375	33.6425	0.92329331
TCGA-14-1401	GBM	High	8	4	4	1830	27.0782	45.0115	1.66227814
TCGA-02-2485	GBM	High	7	2	5	2028	30.3666	35.7609	1.17763925
TCGA-06-0211	GBM	High	7	0	7	1386	47.8478	67.4342	1.40934797
TCGA-06-0210	GBM	High	6	2	4	1427	39.2527	64.1547	1.63440222
TCGA-06-0152	GBM	High	5	0	5	1691	33.6232	37.8422	1.12547884
TCGA-14-1402	GBM	High	5	2	3	1924	38.3632	63.8457	1.66424334
TCGA-06-0145	GBM	High	4	0	4	1807	49.4541	50.3767	1.01865568
TCGA-16-1063	GBM	High	4	1	3	1608	27.0706	33.1661	1.22517048
TCGA-27-2528	GBM	High	3	2	1	1496	36.0952	33.1672	0.91888118
TCGA-06-0214	GBM	High	3	0	3	1353	36.0054	37.6837	1.04661245
TCGA-27-2523	GBM	High	3	2	1	1498	31.7731	34.91	1.09872817
TCGA-06-0744	GBM	High	3	1	2	1407	32.4039	36.2275	1.11799814
TCGA-06-0155	GBM	High	3	0	3	1696	28.8936	39.57	1.36950743
TCGA-06-0648	GBM	High	2	1	1	1335	56.0269	35.2409	0.62899964
TCGA-06-0745	GBM	High	2	0	2	1409	35.1888	31.5379	0.89624824
TCGA-06-2570	GBM	High	2	0	2	1743	34.6221	34.2779	0.99005837
TCGA-06-0185	GBM	High	2	0	2	1434	28.4769	30.0616	1.05564861
TCGA-19-2620	GBM	High	2	0	2	1601	32.1063	37.1932	1.15843931
TCGA-14-0786	GBM	High	2	0	2	1738	27.9751	34.9217	1.24831368
TCGA-06-0881	GBM	High	1	0	1	1414	28.7442	30.6738	1.06713006
TCGA-27-1831	GBM	High	1	0	1	1513	33.6285	36.3224	1.08010765
TCGA-06-0125	GBM	High	1	0	1	1982	42.9763	68.6988	1.59852756
TCGA-CN-6013	HNSC	Low	30	29	1	4089	6.60373	4.72112	0.71491718
TCGA-BA-4076	HNSC	High	16	6	10	5159	31.202	57.3144	1.83688225
TCGA-DQ-5631	HNSC	Low	9	9	0	4750	8.23585	7.18133	0.87195979
TCGA-CV-7414	HNSC	Low	8	7	1	4819	6.14035	5.68714	0.9261915
TCGA-BA-4078	HNSC	Low	7	6	1	5136	6.41619	6.31973	0.98496616
TCGA-CN-5367	HNSC	Low	7	3	4	4876	5.66102	5.60548	0.99018905
TCGA-CV-6441	HNSC	Low	6	3	3	4678	6.21109	6.1	0.98211425
TCGA-CN-4742	HNSC	Low	6	2	4	5049	6.71515	6.70046	0.99781241
TCGA-CV-5973	HNSC	Low	6	3	3	4479	6.06815	7.8012	1.28559775
TCGA-CV-5431	HNSC	High	6	2	4	4456	42.8057	63.2425	1.47743174
TCGA-BA-4075	HNSC	Low	5	4	1	3716	5.16072	3.63685	0.70471756
TCGA-CV-6960	HNSC	Low	5	4	1	4753	7.83782	5.67338	0.72384668
TCGA-CV-6948	HNSC	Low	5	1	4	4670	8.99984	7.68966	0.85442186
TCGA-CV-7407	HNSC	Low	5	4	1	4877	6.18517	5.2923	0.85564342
TCGA-CV-6933	HNSC	Low	5	4	1	4701	7.07592	6.61606	0.93501057
TCGA-BB-4224	HNSC	Low	5	4	1	4623	5.66875	5.52721	0.97503153
TCGA-CN-4727	HNSC	Low	5	4	1	4243	5.58448	5.80759	1.0399518
TCGA-CV-7091	HNSC	Low	5	2	3	4742	8.45729	8.98541	1.06244554
TCGA-CQ-6225	HNSC	High	5	1	4	4532	43.0818	65.2878	1.51543807
TCGA-CN-4737	HNSC	High	5	1	4	4331	35.1049	81.0125	2.30772627

TCGA-CV-7434	HNSC	Low	4	3	1	4985	6.17304	4.56015	0.73872031
TCGA-CN-4729	HNSC	Low	4	3	1	4022	6.41823	5.47577	0.85315889
TCGA-CN-4740	HNSC	Low	4	3	1	4265	6.40699	5.84318	0.9120008
TCGA-CV-6954	HNSC	Low	4	4	0	4662	8.44326	7.71738	0.91402847
TCGA-CV-7178	HNSC	Low	4	3	1	4705	7.28632	7.61797	1.0455168
TCGA-DQ-5624	HNSC	Low	4	4	0	4901	6.2168	7.92576	1.27489384
TCGA-CN-4735	HNSC	Low	4	3	1	4551	3.7504	5.01174	1.33632146
TCGA-D6-6826	HNSC	Low	3	1	2	4937	6.69375	4.54548	0.67906331
TCGA-CV-7247	HNSC	Low	3	3	0	4813	6.7279	4.82701	0.71746162
TCGA-CN-4725	HNSC	Low	3	3	0	4455	6.23496	4.94541	0.7931743
TCGA-CV-6959	HNSC	Low	3	2	1	4643	8.77643	7.05	0.8032879
TCGA-CN-4741	HNSC	Low	3	3	0	5340	6.45467	5.34989	0.8288402
TCGA-CV-6945	HNSC	Low	3	2	1	4799	7.22368	6.12774	0.84828509
TCGA-IQ-7632	HNSC	Low	3	2	1	4782	6.54978	6.05368	0.924257
TCGA-BA-4077	HNSC	Low	3	3	0	4612	6.80999	6.35154	0.93267978
TCGA-CN-5363	HNSC	Low	3	3	0	4884	7.09098	6.6967	0.94439697
TCGA-CV-5976	HNSC	Low	3	1	2	4433	6.73592	6.59146	0.97855378
TCGA-BA-4074	HNSC	Low	3	1	2	2428	6.21806	6.18348	0.99443878
TCGA-CN-4733	HNSC	Low	3	1	2	4023	5.87566	6.04788	1.02931075
TCGA-CV-5977	HNSC	Low	3	1	2	4373	7.5293	8.63523	1.14688351
TCGA-CV-6003	HNSC	Low	3	1	2	4390	7.01506	8.26429	1.17807831
TCGA-CV-7095	HNSC	Low	3	3	0	4727	6.03014	7.94875	1.31817006
TCGA-CQ-5329	HNSC	Low	2	1	1	4425	6.18233	4.47592	0.72398594
TCGA-CN-5360	HNSC	Low	2	2	0	4967	7.10898	6.31048	0.88767728
TCGA-CV-7432	HNSC	Low	2	2	0	4832	6.15919	5.78152	0.93868187
TCGA-CV-7428	HNSC	Low	2	0	2	4849	7.78876	7.47035	0.9591193
TCGA-CN-6018	HNSC	Low	2	0	2	4085	5.84955	5.98094	1.02246156
TCGA-CN-6998	HNSC	Low	2	2	0	4189	6.15947	7.55985	1.22735398
TCGA-D6-6825	HNSC	Low	1	1	0	4989	6.2798	4.01425	0.63923214
TCGA-CQ-6223	HNSC	Low	1	1	0	4399	9.11896	7.23857	0.79379337
TCGA-CN-6996	HNSC	Low	1	0	1	4053	8.16119	6.61642	0.81071756
TCGA-BA-5555	HNSC	Low	1	1	0	4950	7.11559	5.91858	0.83177642
TCGA-BA-5151	HNSC	Low	1	1	0	5080	5.05389	4.54791	0.89988306
TCGA-CQ-6221	HNSC	Low	1	0	1	4412	6.85895	7.68535	1.12048491
TCGA-DQ-5625	HNSC	High	1	0	1	4891	41.7973	63.278	1.51392554
TCGA-BA-5149	HNSC	High	1	0	1	5121	39.89	66.4631	1.66615944
TCGA-CN-5364	HNSC	Low	0	0	0	4884	6.68593	6.64169	0.99338312
TCGA-DU-7010	LGG	Low	6	3	3	2778	5.10535	5.98653	1.17259933
TCGA-CS-4941	LGG	Low	4	1	3	1106	7.88601	8.03473	1.01885871
TCGA-DU-7292	LGG	Low	4	2	2	2562	4.7771	6.07652	1.27201022
TCGA-DU-6403	LGG	Low	3	0	3	1466	6.34801	5.66441	0.89231271
TCGA-FG-6688	LGG	Low	2	0	2	2483	4.78602	3.69161	0.77133192
TCGA-DU-6405	LGG	Low	2	0	2	1283	7.05757	5.77964	0.81892776
TCGA-DU-5852	LGG	Low	2	0	2	1413	6.62502	6.34878	0.95830352
TCGA-DU-7007	LGG	Low	1	1	0	3786	5.723	4.77758	0.83480343
TCGA-DU-5854	LGG	Low	1	0	1	1393	6.35871	8.42518	1.32498258
TCGA-05-4434	LUAD	Low	53	53	0	4792	4.07561	3.51335	0.86204274
TCGA-91-6831	LUAD	Low	16	12	4	5182	8.75051	8.33814	0.95287475
TCGA-91-6828	LUAD	Low	16	16	0	5235	7.01798	6.96474	0.99241377
TCGA-05-4422	LUAD	High	16	14	2	5430	39.7175	43.7451	1.10140618
TCGA-50-5051	LUAD	Low	16	16	0	4710	3.7514	5.30361	1.41376819
TCGA-38-4629	LUAD	Low	14	14	0	4912	4.78183	6.55577	1.37097513
TCGA-64-5775	LUAD	Low	13	13	0	4680	3.98368	4.6243	1.16081111
TCGA-64-5778	LUAD	Low	12	12	0	4596	4.10474	4.31633	1.05154772
TCGA-50-6597	LUAD	High	11	5	6	4834	57.0463	59.6775	1.04612394
TCGA-50-6591	LUAD	High	9	9	0	4767	50.2834	44.9323	0.89358118
TCGA-05-4249	LUAD	Low	9	9	0	1346	4.33862	5.35993	1.23539974

TCGA-05-4250	LUAD	Low	8	8	0	1423	8.29501	5.25357	0.63334101
TCGA-64-5774	LUAD	Low	8	8	0	4742	6.07941	8.0892	1.33058965
TCGA-38-4631	LUAD	Low	7	7	0	4883	8.03222	6.72782	0.83760405
TCGA-71-6725	LUAD	Low	7	7	0	4777	7.25532	7.35947	1.01435498
TCGA-05-4390	LUAD	Low	7	7	0	2984	5.721	7.61013	1.33020975
TCGA-05-4397	LUAD	High	6	6	0	6584	30.7135	30.7736	1.00195679
TCGA-91-6829	LUAD	Low	6	6	0	5314	7.14694	9.4071	1.31624164
TCGA-05-4426	LUAD	Low	6	6	0	5244	2.84684	3.78459	1.32940032
TCGA-49-4510	LUAD	High	6	4	2	4960	28.0055	38.0966	1.36032565
TCGA-49-4486	LUAD	High	5	5	0	4903	32.8174	32.456	0.98898755
TCGA-05-4396	LUAD	High	5	2	3	4883	31.9344	38.9769	1.22053021
TCGA-64-5779	LUAD	Low	5	5	0	4834	3.00107	4.61903	1.53912771
TCGA-38-4628	LUAD	High	5	2	3	5163	31.5651	77.0075	2.43964062
TCGA-75-5146	LUAD	Low	4	4	0	5160	9.04152	1.80851	0.20002278
TCGA-50-5944	LUAD	Low	4	2	2	4709	4.90365	3.22326	0.65731853
TCGA-05-4395	LUAD	High	4	4	0	5264	31.8885	35.389	1.10977312
TCGA-49-6767	LUAD	Low	4	3	1	5007	3.26321	4.11182	1.26005375
TCGA-50-5931	LUAD	Low	4	4	0	4717	5.55351	8.0858	1.45598009
TCGA-44-6774	LUAD	Low	3	2	1	4968	6.49702	3.35154	0.51585804
TCGA-05-4427	LUAD	Low	3	3	0	5481	8.57482	5.70603	0.66544021
TCGA-50-6594	LUAD	Low	3	2	1	4720	6.52364	4.81073	0.73743033
TCGA-44-6778	LUAD	Low	3	3	0	4904	6.69534	5.2782	0.78833935
TCGA-73-4662	LUAD	Low	3	2	1	4767	4.73846	4.53218	0.95646687
TCGA-05-4402	LUAD	Low	3	3	0	6136	2.50672	3.21307	1.28178257
TCGA-05-4433	LUAD	Low	3	2	1	5413	3.94856	5.92339	1.50013929
TCGA-35-4123	LUAD	Low	2	2	0	4916	4.4227	2.0525	0.46408303
TCGA-75-5122	LUAD	Low	2	2	0	4830	6.39508	4.69265	0.73379066
TCGA-05-4398	LUAD	High	2	2	0	6417	56.4707	44.0585	0.78020106
TCGA-49-4501	LUAD	Low	2	2	0	4955	3.33475	2.78498	0.83513907
TCGA-38-4632	LUAD	Low	2	2	0	4836	9.46285	7.9818	0.84348796
TCGA-44-6779	LUAD	Low	2	2	0	4935	6.57743	5.77342	0.87776229
TCGA-50-5939	LUAD	Low	2	1	1	4686	8.05641	7.42138	0.92117705
TCGA-44-6145	LUAD	Low	2	2	0	4971	5.23517	4.92634	0.9410086
TCGA-91-6836	LUAD	Low	2	2	0	5330	7.348	7.25038	0.98671475
TCGA-49-4507	LUAD	Low	2	2	0	4931	4.41787	4.66046	1.05491108
TCGA-50-5935	LUAD	Low	2	2	0	4680	5.49258	5.8029	1.05649804
TCGA-49-6745	LUAD	Low	2	2	0	4992	4.97426	5.40534	1.08666214
TCGA-05-4405	LUAD	Low	2	2	0	5905	5.72576	7.0642	1.23375762
TCGA-49-4488	LUAD	Low	2	2	0	4984	5.18192	6.6339	1.28020116
TCGA-05-4382	LUAD	Low	1	0	1	1544	4.43781	3.9281	0.8851438
TCGA-50-5933	LUAD	Low	1	1	0	4700	6.06496	5.59163	0.92195662
TCGA-73-4668	LUAD	Low	1	1	0	4764	4.21858	3.89829	0.92407635
TCGA-44-5643	LUAD	Low	1	1	0	5021	7.10981	6.601	0.9284355
TCGA-05-4432	LUAD	High	1	0	1	5430	31.1489	41.3211	1.32656691
TCGA-44-2661	LUAD	Low	0	0	0	4836	4.42554	1.74017	0.39321077
TCGA-44-3919	LUAD	Low	0	0	0	4836	4.23506	2.95274	0.69721326
TCGA-05-5429	LUAD	Low	0	0	0	4792	31.7302	25.6875	0.80955998
TCGA-55-6712	LUAD	Low	0	0	0	4834	5.82688	6.67959	1.14634075
TCGA-44-6144	LUAD	Low	0	0	0	5021	5.32817	6.12483	1.1495185
TCGA-05-4424	LUAD	Low	0	0	0	5430	4.69817	5.60279	1.19254731
TCGA-37-4135	LUSC	High	21	14	7	6675	34.7839	54.5588	1.56850727
TCGA-66-2756	LUSC	High	18	5	13	6167	39.7907	37.9668	0.95416266
TCGA-66-2766	LUSC	High	17	6	11	5946	40.6694	45.3999	1.11631595
TCGA-60-2711	LUSC	High	15	10	5	6503	50.088	45.6577	0.91154967
TCGA-66-2759	LUSC	High	15	2	13	5829	48.6407	61.4488	1.26332064
TCGA-66-2793	LUSC	High	12	6	6	5923	33.2448	70.3555	2.11628586
TCGA-60-2726	LUSC	High	11	6	5	6488	71.2844	80.033	1.12272811

TCGA-66-2744	LUSC	High	11	6	5	6309	48.9795	61.9003	1.26380016
TCGA-66-2795	LUSC	High	11	2	9	5720	33.5774	57.9101	1.72467493
TCGA-56-1622	LUSC	High	10	5	5	7060	38.9134	40.9048	1.05117517
TCGA-60-2719	LUSC	High	10	4	6	6249	25.3476	54.2438	2.13999748
TCGA-43-3394	LUSC	High	9	5	4	7054	42.8582	43.7056	1.01977218
TCGA-22-5477	LUSC	High	9	4	5	6671	42.6569	54.4448	1.27634216
TCGA-60-2722	LUSC	High	8	5	3	6903	40.9497	40.3839	0.98618305
TCGA-34-2600	LUSC	High	7	5	2	7126	57.8445	37.0725	0.64089931
TCGA-18-3408	LUSC	High	6	2	4	7526	34.0157	66.7828	1.96329342
TCGA-60-2713	LUSC	High	5	1	4	6403	48.7735	43.2861	0.88749218
TCGA-22-1016	LUSC	High	5	3	2	7262	38.4691	62.5559	1.6261337
TCGA-22-5492	LUSC	High	5	2	3	6235	32.9692	77.6952	2.35659949
TCGA-60-2695	LUSC	High	4	4	0	7238	38.1494	36.0003	0.94366622
TCGA-21-1082	LUSC	High	4	4	0	9472	43.544	52.1929	1.19862438
TCGA-60-2724	LUSC	High	4	1	3	6740	45.6463	57.5445	1.26066078
TCGA-60-2698	LUSC	High	4	1	3	7053	32.3818	58.6675	1.81174302
TCGA-33-4586	LUSC	High	4	1	3	5905	36.4156	67.41	1.85112974
TCGA-43-3920	LUSC	High	4	1	3	6963	32.7467	66.5395	2.0319452
TCGA-18-3415	LUSC	High	3	0	3	5039	36.179	70.8676	1.95880483
TCGA-21-5782	LUSC	High	3	1	2	8383	32.0813	78.1044	2.43457715
TCGA-66-2789	LUSC	High	2	0	2	5913	35.1066	78.5493	2.23745108
TCGA-21-1076	LUSC	High	1	1	0	7182	36.0598	49.0976	1.36156052
TCGA-18-4721	LUSC	High	1	0	1	7849	43.2168	65.5462	1.51668333
TCGA-25-2400	OV	High	23	19	4	6639	41.8171	67.423	1.61233084
TCGA-61-2000	OV	High	20	3	17	6119	27.8697	57.1242	2.04968837
TCGA-25-1319	OV	High	17	9	8	7196	38.5099	37.7929	0.98138141
TCGA-24-1466	OV	High	14	1	13	7728	37.5705	72.3061	1.92454452
TCGA-10-0938	OV	High	12	10	2	10773	38.5215	57.5127	1.49300261
TCGA-24-1103	OV	High	11	6	5	9086	35.3703	30.2976	0.85658307
TCGA-13-0723	OV	High	10	8	2	10305	28.6533	34.377	1.1997571
TCGA-24-1552	OV	High	9	3	6	7648	29.3678	57.5464	1.95950667
TCGA-04-1349	OV	High	8	6	2	15756	29.5439	55.8504	1.8904207
TCGA-24-0982	OV	High	6	5	1	9892	33.7062	35.6802	1.05856489
TCGA-04-1371	OV	High	6	3	3	12994	38.2273	40.7826	1.0668449
TCGA-24-1419	OV	High	6	2	4	8674	29.7056	57.2243	1.92638088
TCGA-04-1514	OV	High	6	2	4	11687	27.2534	56.3295	2.06687973
TCGA-13-1491	OV	High	5	3	2	10607	39.8192	69.033	1.73366115
TCGA-04-1347	OV	High	5	3	2	4235	27.6534	54.3183	1.96425394
TCGA-09-2050	OV	High	4	4	0	10150	41.2705	63.494	1.53848391
TCGA-24-1614	OV	High	4	2	2	7511	40.7315	66.0445	1.62146005
TCGA-13-0912	OV	High	4	1	3	11035	39.2273	68.066	1.73516913
TCGA-13-0727	OV	High	3	2	1	11366	38.6019	68.4345	1.77282724
TCGA-04-1542	OV	High	3	3	0	10691	36.1864	67.8432	1.8748259
TCGA-23-1110	OV	High	2	1	1	10358	30.548	58.8524	1.92655493
TCGA-10-0937	OV	High	2	2	0	11584	27.2594	55.9313	2.05181699
TCGA-10-0934	OV	High	1	0	1	9843	41.1559	63.9362	1.55351238
TCGA-24-2290	OV	High	1	0	1	7449	28.1702	51.6794	1.83454147
TCGA-25-2391	OV	High	1	1	0	7147	28.7982	55.0091	1.91015758
TCGA-24-2024	OV	High	0	0	0	7511	29.4431	53.2112	1.80725535
TCGA-EJ-5525	PRAD	Low	13	13	0	5963	8.71505	6.84673	0.78562143
TCGA-EJ-5532	PRAD	Low	11	11	0	5171	9.03364	7.80275	0.86374374
TCGA-G9-6496	PRAD	Low	6	6	0	5477	4.38378	4.88449	1.11421878
TCGA-EJ-5514	PRAD	Low	5	3	2	4926	9.44957	8.66987	0.91748831
TCGA-EJ-5498	PRAD	Low	5	5	0	5395	7.79111	7.79462	1.00045051
TCGA-CH-5761	PRAD	Low	5	2	3	3236	8.54408	9.03692	1.05768204
TCGA-EJ-5495	PRAD	Low	4	3	1	4212	8.35985	8.6415	1.0336908
TCGA-CH-5751	PRAD	Low	3	2	1	2200	7.67934	7.45015	0.97015499

TCGA-HC-7213	PRAD	Low	3	1	2	5699	6.90928	7.48678	1.08358324
TCGA-EJ-5516	PRAD	Low	2	1	1	5205	9.15289	6.6925	0.73118982
TCGA-EJ-5530	PRAD	Low	2	2	0	5794	9.04404	7.76187	0.85823039
TCGA-EJ-5508	PRAD	Low	2	2	0	5136	8.52342	7.45298	0.87441191
TCGA-CH-5792	PRAD	Low	2	1	1	3511	8.14883	7.25919	0.89082605
TCGA-EJ-5519	PRAD	Low	2	1	1	5106	7.7727	7.08757	0.91185431
TCGA-EJ-5507	PRAD	Low	2	2	0	5251	8.73554	8.31812	0.95221589
TCGA-EJ-5497	PRAD	Low	2	2	0	5903	7.48749	7.36516	0.98366208
TCGA-EJ-5496	PRAD	Low	1	1	0	4182	9.27602	8.26159	0.89063952
TCGA-EJ-5531	PRAD	Low	1	0	1	5816	8.36558	8.55572	1.02272885
TCGA-CH-5788	PRAD	High	1	1	0	3498	34.439	65.6011	1.90484915
TCGA-EJ-5503	PRAD	High	0	0	0	5395	34.0797	57.3221	1.68200131
TCGA-AG-A00Y	READ	Low	190	190	0	1484	3.35359	4.75994	1.41935657
TCGA-AG-3898	READ	Low	8	8	0	6615	1.88339	1.98091	1.05177897
TCGA-AG-3999	READ	Low	6	6	0	4601	4.40275	3.68813	0.83768781
TCGA-AG-A020	READ	Low	5	5	0	1560	3.18731	3.3971	1.06582039
TCGA-AG-3881	READ	Low	4	4	0	4041	2.35838	2.3064	0.97795945
TCGA-AG-4015	READ	High	4	4	0	8161	30.5395	44.7698	1.46596375
TCGA-AG-A01Y	READ	Low	3	2	1	1496	2.88592	2.5429	0.88114016
TCGA-AG-4005	READ	Low	2	2	0	8597	2.64886	3.54885	1.33976503
TCGA-AG-3902	READ	Low	1	1	0	6207	3.89112	3.8734	0.99544604
TCGA-ER-A19T	SKCM	Low	37	14	23	4443	34.732	29.8597	0.85971726
TCGA-ER-A19L	SKCM	High	13	12	1	4368	37.305	70.5193	1.89034446
TCGA-FS-A1ZJ	SKCM	Low	12	12	0	4119	7.44597	4.94126	0.66361535
TCGA-D3-A3CC	SKCM	Low	12	11	1	5597	4.66648	3.59247	0.76984579
TCGA-D9-A1X3	SKCM	Low	11	10	1	4771	3.09427	3.75875	1.21474532
TCGA-FS-A1ZE	SKCM	Low	10	10	0	4432	4.35997	5.09843	1.16937273
TCGA-FS-A1ZK	SKCM	High	9	9	0	4137	36.9891	33.5486	0.90698611
TCGA-D3-A1Q9	SKCM	Low	8	8	0	5025	5.02545	4.83046	0.9611995
TCGA-ER-A19E	SKCM	High	8	4	4	4552	36.5853	36.9362	1.00959128
TCGA-D3-A2J6	SKCM	Low	7	6	1	3663	5.78017	3.76382	0.65116078
TCGA-FS-A1ZG	SKCM	Low	6	4	2	4310	7.09854	4.91232	0.69201836
TCGA-EB-A24C	SKCM	Low	6	6	0	4866	6.08127	4.74734	0.78064944
TCGA-EE-A2MI	SKCM	High	6	4	2	4650	34.3095	31.6368	0.92210029
TCGA-ER-A197	SKCM	Low	5	3	2	4217	7.69362	2.70548	0.35165241
TCGA-EE-A2GR	SKCM	Low	5	3	2	4504	7.13759	7.63103	1.06913258
TCGA-EE-A2OH	SKCM	Low	5	4	1	4651	7.28224	8.47011	1.16311877
TCGA-EE-A2MH	SKCM	Low	5	4	1	4795	4.78673	5.84874	1.22186545
TCGA-EE-A2MS	SKCM	Low	4	3	1	4435	4.16969	3.69311	0.88570373
TCGA-D3-A2JC	SKCM	Low	4	3	1	5475	5.25865	5.03209	0.9569167
TCGA-EE-A2MN	SKCM	Low	4	3	1	4507	5.27622	5.24567	0.99420987
TCGA-FS-A1ZP	SKCM	High	4	2	2	4488	34.4929	37.6363	1.0911318
TCGA-EE-A2MT	SKCM	Low	4	2	2	4335	2.08636	3.47255	1.66440595
TCGA-FS-A1ZQ	SKCM	Low	3	2	1	4445	7.71495	4.33625	0.56205808
TCGA-EE-A29D	SKCM	Low	3	3	0	4545	5.27605	4.92949	0.9343145
TCGA-FS-A1ZT	SKCM	Low	3	3	0	4446	5.5056	5.19463	0.94351751
TCGA-EE-A2M6	SKCM	Low	3	2	1	4349	6.00772	5.67025	0.94382728
TCGA-ER-A193	SKCM	Low	2	1	1	4295	4.11764	3.58842	0.87147492
TCGA-EE-A29H	SKCM	Low	2	2	0	4748	4.36338	3.85514	0.88352149
TCGA-D3-A3C3	SKCM	Low	2	2	0	6172	5.08115	5.05403	0.99466263
TCGA-GN-A266	SKCM	High	2	0	2	4415	30.1489	34.2368	1.13559035
TCGA-FS-A1Z3	SKCM	Low	2	1	1	4516	5.58518	7.81472	1.39918857
TCGA-EE-A29E	SKCM	Low	1	1	0	4477	6.64989	4.16282	0.62599833
TCGA-FS-A1ZM	SKCM	Low	1	0	1	4140	7.73651	5.79466	0.74900181
TCGA-ER-A196	SKCM	Low	1	1	0	4359	7.23564	7.12497	0.98470488
TCGA-DA-A1I8	SKCM	High	1	1	0	4862	32.9608	57.6859	1.75013653
TCGA-FS-A1YW	SKCM	Low	1	1	0	4451	3.3945	6.35198	1.87125644

TCGA-EQ-5647	STAD	High	18	3	15	4818	40.3113	76.053	1.88664221
TCGA-D7-6526	STAD	Low	15	11	4	4727	7.73302	7.37931	0.95425979
TCGA-D7-6527	STAD	High	15	5	10	4652	42.9224	70.9997	1.65414096
TCGA-CG-4444	STAD	Low	13	12	1	4539	4.20568	4.18639	0.99541335
TCGA-CG-5718	STAD	Low	12	9	3	4815	5.6302	6.95736	1.23572164
TCGA-D7-6518	STAD	High	12	11	1	4648	40.1639	72.3731	1.80194403
TCGA-CD-5799	STAD	High	11	3	8	4526	47.1444	59.667	1.26562222
TCGA-BR-4183	STAD	Low	11	8	3	3395	4.47961	7.2083	1.60913562
TCGA-BR-6458	STAD	Low	10	7	3	5040	6.31346	5.33432	0.8449123
TCGA-BR-4366	STAD	Low	9	7	2	3594	3.75935	4.97397	1.32309309
TCGA-BR-4357	STAD	Low	9	1	8	2552	6.33047	9.01868	1.4246462
TCGA-CD-5800	STAD	Low	8	7	1	4314	6.56712	4.34897	0.66223398
TCGA-CG-5730	STAD	High	7	4	3	4966	35.9953	31.0026	0.86129578
TCGA-BR-4369	STAD	Low	7	5	2	3832	4.21111	4.02661	0.95618732
TCGA-CG-4301	STAD	Low	7	5	2	4241	4.68035	4.84208	1.03455511
TCGA-CG-5724	STAD	High	7	4	3	5048	45.328	57.7889	1.27490514
TCGA-D7-6528	STAD	High	7	3	4	4616	31.1382	43.0392	1.38219936
TCGA-D7-6820	STAD	Low	7	5	2	4624	3.31089	6.70538	2.02525001
TCGA-B7-5818	STAD	Low	6	5	1	4213	7.82081	6.84598	0.87535434
TCGA-CG-4443	STAD	High	6	2	4	4414	36.8864	33.9749	0.92106847
TCGA-CG-4475	STAD	Low	6	3	3	4828	7.21778	7.12748	0.98748923
TCGA-CD-5802	STAD	High	6	3	3	4263	45.6634	63.0741	1.38128348
TCGA-CG-4472	STAD	Low	5	2	3	4618	8.68424	7.15156	0.82351018
TCGA-CG-4469	STAD	Low	5	4	1	4581	6.89036	6.51178	0.94505657
TCGA-BR-6705	STAD	Low	5	4	1	4966	8.01221	8.20689	1.02429792
TCGA-D7-6815	STAD	High	5	4	1	4570	44.0494	45.2213	1.02660422
TCGA-D7-6817	STAD	Low	5	4	1	4681	7.30643	7.6042	1.04075451
TCGA-D7-5579	STAD	High	5	1	4	4890	38.5804	67.4634	1.74864439
TCGA-CG-5734	STAD	Low	4	3	1	4883	6.02064	6.85481	1.13855172
TCGA-D7-6519	STAD	High	4	1	3	4654	33.0852	38.1927	1.15437416
TCGA-BR-4255	STAD	High	4	4	0	3315	43.0368	58.8686	1.36786657
TCGA-CG-4466	STAD	Low	4	0	4	4464	2.9547	5.08076	1.7195519
TCGA-D7-6521	STAD	Low	3	3	0	4621	6.95541	6.88429	0.98977487
TCGA-BR-6454	STAD	Low	3	3	0	4313	3.6963	3.85189	1.04209345
TCGA-CG-5727	STAD	Low	3	1	2	4927	6.07106	7.14869	1.17750278
TCGA-CG-4455	STAD	Low	2	2	0	4582	7.05026	2.94519	0.41774204
TCGA-D7-5578	STAD	Low	2	1	1	4944	7.77423	5.98286	0.76957589
TCGA-CG-4440	STAD	Low	2	0	2	4183	4.18989	3.93687	0.93961178
TCGA-CG-5725	STAD	Low	2	0	2	4990	6.72302	7.32308	1.08925453
TCGA-BR-6706	STAD	Low	2	1	1	4856	7.38193	8.2815	1.12186109
TCGA-CG-4436	STAD	Low	1	1	0	4204	6.34957	4.27813	0.67376689
TCGA-D7-6818	STAD	Low	1	1	0	4668	6.39357	6.45032	1.00887611
TCGA-D7-6520	STAD	Low	1	1	0	4648	4.82968	8.10393	1.67794347
TCGA-B7-5816	STAD	Low	0	0	0	0	7.60547	2.21774	0.29159802
TCGA-CD-5798	STAD	Low	0	0	0	4856	7.04139	4.25789	0.60469453
TCGA-CD-5803	STAD	Low	0	0	0	4263	6.74506	4.61535	0.68425633
TCGA-CD-5801	STAD	Low	0	0	0	4314	6.32653	5.16101	0.81577263
TCGA-BR-6801	STAD	Low	0	0	0	4856	7.65175	8.17552	1.06845101
TCGA-CG-4442	STAD	High	0	0	0	4183	30.0708	35.6345	1.18502002
TCGA-BJ-A0ZA	THCA	Low	1	1	0	16	5.57024	5.3591	0.96209499
TCGA-BJ-A0Z9	THCA	Low	0	0	0	0	5.79987	4.19016	0.72245757
TCGA-DJ-A13M	THCA	Low	0	0	0	16	4.98553	4.82207	0.96721312
TCGA-AP-A0LH	UCEC	Low	15	13	2	2480	7.87613	6.49039	0.82405826
TCGA-AX-A0IU	UCEC	Low	13	9	4	2046	4.43107	4.46383	1.00739325
TCGA-AP-A0L8	UCEC	Low	9	9	0	2675	8.6817	5.87263	0.67643779
TCGA-A5-A0G5	UCEC	Low	8	6	2	875	6.27737	7.1433	1.13794471
TCGA-B5-A0JN	UCEC	Low	8	6	2	2827	4.29916	5.2931	1.231194



TCGA-EY-A1GC	UCEC	Low	6	2	4	3796	6.29551	6.32203	1.00421253
TCGA-D1-A100	UCEC	Low	6	5	1	3698	6.58878	7.77431	1.17993164
TCGA-BG-A0M6	UCEC	Low	4	3	1	3744	5.59288	5.87314	1.05011014
TCGA-D1-A17K	UCEC	Low	4	0	4	3942	5.98067	6.94578	1.16137155
TCGA-AX-A0IW	UCEC	Low	3	3	0	2411	6.51832	4.0541	0.62195474
TCGA-FI-A2CY	UCEC	Low	3	2	1	3821	5.6333	5.42276	0.96262581
TCGA-AP-A0LI	UCEC	Low	2	1	1	2496	4.88954	4.83645	0.98914213
TCGA-D1-A169	UCEC	Low	1	0	1	3829	7.34416	5.91064	0.80480817
TCGA-AP-A0L9	UCEC	Low	1	1	0	2770	4.65445	4.19831	0.90199916
TCGA-D1-A16I	UCEC	Low	1	1	0	3875	3.99874	3.7972	0.94959912
TCGA-BS-A0UM	UCEC	Low	0	0	0	3744	7.58521	2.88486	0.38032698
TCGA-D1-A16B	UCEC	Low	0	0	0	3829	6.06882	4.96496	0.81810962