

id	CD8A	CTSE	HLA-DMA	HLA-DOA	HLA-DPA1	HLA-DPB1	HLA-DQA	HLA-DRB5
TCGA-A6-	8.751016	11.36869	19.6373	5.042987	29.23252	69.78561	12.76868	64.01305
TCGA-AA-	3.646071	26.08534	26.97191	10.69193	47.63291	88.44315	25.42544	137.7578
TCGA-A6-	2.636639	3.547009	34.8185	3.226396	18.42178	47.55057	7.667546	104.4996
TCGA-AA-	3.077575	8.298292	25.41077	4.400164	45.25592	63.16302	18.34627	40.40879
TCGA-AA-	5.217013	45.43267	27.83273	7.409244	64.40199	77.46159	33.59417	38.33185
TCGA-A6-	1.790883	9.789555	17.74994	3.441924	42.44145	59.94634	19.07182	33.79623
TCGA-A6-	4.490901	10.44536	16.91205	2.428461	21.73097	56.22349	10.98451	22.98934
TCGA-AA-	2.03607	6.603206	21.23472	6.60332	52.62088	78.56696	11.61374	52.58203
TCGA-AA-	2.589059	4.891991	24.44303	5.409295	51.50351	70.25189	21.08155	50.90847
TCGA-AA-	7.12946	16.08297	33.45584	4.299598	60.06354	79.6039	15.55362	89.24484
TCGA-AZ-	5.376426	5.748001	58.30518	15.21909	58.83155	119.6459	17.12014	96.47117
TCGA-AZ-	1.637148	4.159788	16.6447	2.965801	16.6223	27.83127	3.680062	69.30957
TCGA-AA-	3.59911	5.171708	25.90211	10.0828	49.78667	82.12983	9.979017	99.84583
TCGA-A6-	2.288574	9.988662	13.94164	4.181337	26.47259	35.37582	10.97659	139.7584
TCGA-AA-	4.436302	9.299623	23.40756	6.603295	51.84673	86.00085	25.81293	87.37732
TCGA-AA-	3.12625	11.38784	26.90852	8.794309	47.47649	105.2342	28.33306	46.18831
TCGA-AA-	2.111293	19.45581	26.21079	6.262307	66.6046	75.39626	14.21382	178.1329
TCGA-A6-	3.417988	10.82997	15.11755	4.238438	30.10827	41.12545	10.50846	162.7215
TCGA-A6-	1.308305	7.5612	17.43135	4.669262	28.28525	41.98978	12.84129	28.89653
TCGA-AZ-	2.290232	9.540809	18.84771	3.568438	19.50056	35.9684	2.998206	48.61575
TCGA-A6-	1.449141	5.197278	21.59498	5.77279	53.16	82.59108	15.0005	58.05817
TCGA-AZ-	3.578435	22.78405	14.10372	3.141381	19.69491	31.44212	7.522044	62.24206
TCGA-AG-	3.415995	18.99528	27.78807	4.94009	45.21379	85.66169	24.46798	66.42746
TCGA-A6-	29.01511	7.084651	68.95831	10.78769	87.72312	131.9665	33.51671	195.9994
TCGA-A6-	1.373352	7.597975	12.82521	2.61762	16.85084	36.33106	8.341857	25.62398
TCGA-F4-	1.252363	18.84644	8.385929	2.078957	21.51925	33.25121	2.717961	27.85203
TCGA-AA-	5.559213	5.405224	27.03049	5.085856	41.89422	72.62791	19.68506	160.696
TCGA-AA-	10.97472	16.28374	33.29959	6.726225	52.20576	97.96983	17.91439	196.1482
TCGA-AZ-	1.744062	8.917077	12.32711	3.422773	16.11941	40.75803	11.36437	17.40573
TCGA-A6-	1.542027	9.649535	16.81822	5.333378	43.76093	60.49968	12.9365	27.73538
TCGA-AA-	1.012443	16.80733	13.02063	3.864196	27.87216	51.09788	4.167748	43.47053
TCGA-AA-	4.200626	6.981942	17.67019	4.538031	34.81534	49.19698	14.56	115.1548
TCGA-AA-	10.32255	10.67053	69.52953	13.87638	85.59749	123.65	22.20427	158.8847
TCGA-A6-	2.14459	26.31646	15.6404	4.612847	23.76664	50.33149	14.84302	25.93384
TCGA-AA-	6.120254	2.479302	57.00314	6.116938	49.14619	60.13509	13.87942	58.49021
TCGA-AA-	5.131377	34.64474	19.50935	6.178578	55.13118	74.34797	16.4596	136.957
TCGA-AZ-	0.559153	1.091176	8.723473	2.061695	16.42561	26.91545	3.940822	16.11039
TCGA-AA-	1.561461	5.798327	22.22851	5.968793	51.45146	68.29499	10.4124	59.55713
TCGA-A6-	1.793578	4.238299	22.7513	5.784149	50.87614	81.36725	14.99671	76.32838
TCGA-AA-	2.775234	5.026084	21.15173	4.369944	55.03037	67.43552	12.44768	56.26742
TCGA-AA-	4.497732	5.661064	45.17968	8.524822	80.10393	97.74155	26.87695	108.2336
TCGA-A6-	3.122876	6.549139	19.8373	4.524967	52.16871	69.04914	11.48572	52.42437
TCGA-CM-	1.651833	0.178662	12.43914	5.440165	22.57308	47.07367	13.80355	29.24238
TCGA-G4-	0.39882	0.055857	11.78376	1.136855	11.58739	17.2126	3.393772	11.99301
TCGA-AA-	18.45994	33.61735	152.6543	24.31806	212.536	261.3116	33.39061	150.625
TCGA-AD-	5.204179	0.120115	45.58606	7.525332	71.50572	62.43051	13.11463	212.1836
TCGA-A6-	1.595711	0.292917	7.88228	3.292227	33.99632	23.38219	13.95885	8.291327
TCGA-CM-	0.108827	0.423038	4.459092	0.161942	1.759379	3.815703	0.318085	3.071448
TCGA-AG-	6.233187	0.05063	32.10031	8.9829	56.60556	111.999	13.78287	123.4263
TCGA-G4-	0.8542	52.12293	9.745838	1.020214	7.039667	12.05709	2.09786	6.954826
TCGA-DM	0.105844	3.3241	7.576845	0.211716	1.405245	3.100788	0.451157	7.504463
TCGA-AA-	2.664368	202.5019	26.12606	5.230942	33.8347	72.21758	14.84327	76.80476
TCGA-DM	0.20479	167.6312	5.259707	0.210791	1.956802	6.617664	1.298998	3.261953
TCGA-A6-	4.199944	2.665021	12.04625	4.939114	17.66101	34.3275	11.09081	19.13678
TCGA-G4-	7.02935	1.455138	31.10002	6.641121	46.75864	57.69105	18.95896	55.86892
TCGA-A6-	0.919028	0.421638	14.05329	1.548725	17.08627	52.05267	5.482881	22.96153

TCGA-AA-	1.518654	333.9	15.85847	3.445604	26.99531	38.83672	9.985909	22.96306
TCGA-AA-	2.326371	43.32056	23.58957	2.884078	39.25045	39.42332	13.16603	43.81538
TCGA-A6-	5.199671	5.676057	20.75466	3.902973	11.79686	49.99831	10.65167	43.07929
TCGA-AU-	0.377474	0.04505	13.28641	3.784992	21.56608	31.39477	9.067589	29.2798
TCGA-AA-	1.473626	3.367752	10.67711	0.846236	9.109524	16.17748	2.288937	21.50063
TCGA-AA-	3.547617	1.867607	30.01443	9.333305	65.2913	150.4356	33.78089	339.294
TCGA-AA-	0.765972	0.416854	17.37425	1.491679	13.55128	19.49776	6.48301	9.352112
TCGA-DM	0.935917	5.072184	5.488086	0.913672	5.700094	12.55161	3.843399	7.97794
TCGA-AD-	5.486817	49.66904	13.95859	4.35321	27.18422	48.83243	18.61098	97.08654
TCGA-CK-	0.424618	2.345851	15.77101	1.919173	15.0306	23.04745	3.519166	19.8171
TCGA-DM	0.07299	121.1537	8.906914	0.39067	3.691679	8.544654	0.71362	10.90843
TCGA-A6-	2.317234	2.187177	7.331669	4.932439	32.58712	20.32795	20.33179	50.95937
TCGA-AA-	1.72167	53.79645	13.94282	1.847762	19.72974	26.1279	6.087193	21.11387
TCGA-DM	0.264711	9.770733	9.954514	0.337455	5.62501	8.954911	2.152503	70.70494
TCGA-AA-	0.651714	2.916201	15.41086	2.439954	30.64563	41.23999	9.930246	90.84862
TCGA-CM-	5.059399	0.114091	34.09361	11.1403	49.36705	76.8669	31.37418	49.661
TCGA-AA-	1.192699	2.839748	4.174299	0.720217	3.743308	7.579845	1.474879	8.190224
TCGA-AM-	6.087892	2.479455	52.60153	17.452	73.32505	103.8809	19.1108	118.1659
TCGA-A6-	4.763907	1.297982	99.85769	20.29595	101.2745	213.7025	38.71015	123.0142
TCGA-A6-	0.04794	0.065224	6.233359	1.128999	6.364783	17.35266	1.827558	17.37523
TCGA-AA-	2.990442	0.017613	59.8545	21.37638	118.4296	123.4348	20.13668	162.1913
TCGA-AA-	4.541968	2.540923	16.36976	3.207324	32.72025	38.65391	12.65852	15.5127
TCGA-AA-	4.041065	123.7752	75.99882	3.104328	89.96116	81.15577	21.4348	399.772
TCGA-QG-	0.363116	1.859888	11.30318	0.585255	6.725016	11.02022	3.084345	17.38778
TCGA-AA-	1.744951	1.089983	11.83538	4.860924	30.95184	33.36553	6.926142	67.41864
TCGA-AA-	1.646404	1.368887	10.00189	1.159888	9.548715	15.75015	3.226978	5.737697
TCGA-A6-	0.824875	4.693149	12.08043	1.40375	16.37202	38.17661	5.206004	30.20665
TCGA-A6-	2.760422	17.92742	12.77303	6.693625	67.20359	44.34702	13.60663	34.10551
TCGA-AA-	3.041107	1.257814	17.02628	1.597657	14.21222	20.74856	2.750481	33.82074
TCGA-DM	0.617278	0.388579	4.683826	0.479842	4.552012	8.013233	1.249414	25.00404
TCGA-NH-	0.516143	0.148549	7.330809	1.582352	7.348377	19.52792	2.853558	15.80228
TCGA-A6-	0.190381	8.278709	11.08901	3.594792	16.5221	33.17836	6.879959	33.89534
TCGA-AD-	7.721188	1.35508	81.80862	24.34973	98.0746	255.1281	51.5606	153.2468
TCGA-CK-	0.252611	24.33449	5.205629	1.432551	7.141607	12.15535	2.708077	29.42751
TCGA-A6-	0.259424	0.120326	2.790291	0.897203	6.489694	8.337047	2.09095	3.877096
TCGA-A6-	0.410221	0.131779	7.827612	1.832052	14.46236	20.72702	5.571487	13.88534
TCGA-AA-	1.701479	1.986981	18.17863	3.62175	33.73244	37.18176	8.457569	17.21638
TCGA-D5-	2.680585	0.013002	22.70213	5.656742	37.76717	49.84007	15.83999	60.88452
TCGA-AA-	12.00804	89.09501	20.10352	5.426278	37.95019	69.68137	20.25365	56.90208
TCGA-AA-	0.869417	0	11.08068	1.587708	14.82317	18.1488	1.956852	27.5826
TCGA-CM-	1.268639	58.95068	41.4952	1.530307	16.5656	16.61352	2.870166	52.17475
TCGA-AA-	0.352709	1.286935	16.4161	0.842259	9.548004	18.55754	0.46259	17.10841
TCGA-CK-	1.302244	15.42691	25.62536	2.835132	31.75897	50.41312	2.588746	84.96238
TCGA-AA-	0.549041	8.590411	7.217633	1.392474	14.03501	16.56127	3.715647	38.74309
TCGA-DM	0.925029	0.015442	7.878095	0.91498	8.467354	16.00483	4.046008	56.51692
TCGA-D5-	0.654288	0.483462	2.459024	0.306539	2.756503	3.583899	0.958728	2.50522
TCGA-A6-	3.142878	25.59947	46.33289	10.20315	69.16904	152.9648	14.52749	195.974
TCGA-D5-	3.300734	0.391589	14.78912	2.939826	18.63012	35.96829	3.572452	44.08398
TCGA-NH-	1.287277	19.94494	8.307355	2.153607	10.04245	23.12753	4.870895	11.23498
TCGA-DM	3.334924	0.005301	7.67116	1.03396	9.019837	13.91943	6.131591	6.651939
TCGA-A6-	1.411242	7.299994	4.759071	1.47445	10.93847	11.53439	4.570423	9.651618
TCGA-D5-	3.194154	41.32846	14.06411	5.048592	32.44028	44.4036	17.71259	95.08324
TCGA-NH-	4.58936	19.71364	24.83265	7.950315	32.95552	90.81975	25.94618	56.41855
TCGA-A6-	0.704683	0.3835	7.016337	0.930079	7.592844	10.90547	1.526277	25.52108
TCGA-DM	0.754625	0.216147	8.72725	0.839418	6.902441	16.34141	2.29892	9.469393
TCGA-AA-	3.233197	0.246338	12.50059	3.034002	32.91805	40.83466	13.90867	25.69956
TCGA-AA-	1.525442	8.259336	22.76921	1.804694	15.86364	85.60882	1.600536	167.5427
TCGA-AA-	7.515486	165.5425	105.7853	54.9586	201.7354	234.4458	71.86832	206.3851

TCGA-3L-	0.721261	0.236867	9.032797	2.72023	15.89695	29.03962	7.512218	18.47082
TCGA-AA-	4.910503	2.964387	25.75898	7.059609	45.12173	76.8371	19.68768	136.3416
TCGA-G4-	0.562089	10.58058	3.989636	0.406016	3.220768	5.614046	0.989154	5.992051
TCGA-G4-	0.117993	0.173912	3.680388	0.507661	4.363953	8.744209	0.484889	11.68386
TCGA-A6-	0.1146	0.048724	1.592112	0.778518	6.285231	4.327197	4.952435	0.57841
TCGA-AA-	1.412246	0.893053	19.19753	3.423179	31.06741	51.17573	6.772305	37.26023
TCGA-A6-	2.769815	21.47806	23.94162	5.785436	54.39993	76.28654	17.12733	49.15327
TCGA-A6-	0.319501	0.026614	11.08085	1.37612	7.62634	8.387997	1.248558	43.178
TCGA-AD-	0.341358	9.86425	15.44465	0.16984	6.015416	6.510436	0.67849	15.54432
TCGA-AA-	2.716674	3.814735	42.87653	8.408545	62.12519	78.93497	13.74141	55.39133
TCGA-A6-	0.292417	0.198922	3.960568	0.824029	5.018929	9.144796	2.377794	5.544363
TCGA-DM	0.164721	88.58371	4.670011	0.556637	3.188289	8.166515	2.758635	5.993282
TCGA-AZ-	3.45324	48.31939	32.26484	7.661737	55.5027	93.74786	25.77132	177.4449
TCGA-WS-	1.538607	0.013124	23.31708	12.22824	35.94252	102.0129	21.76082	100.7697
TCGA-AA-	3.952449	3.197409	23.98586	4.768805	59.49885	79.3795	28.19652	57.56899
TCGA-5M-	0.75262	0.456468	8.374562	1.002032	7.756466	12.16075	2.140672	11.61169
TCGA-AA-	1.010525	30.58341	23.32893	1.465786	16.51691	21.558	3.44032	38.13286
TCGA-A6-	0.913525	1.242886	5.801793	3.765763	12.81215	13.0111	4.205642	12.31329
TCGA-AZ-	10.06461	6.310277	33.54226	19.61306	64.84529	95.80386	29.70585	174.2422
TCGA-D5-	0.501118	0.134564	7.725508	1.481161	12.09324	24.71687	3.44183	15.72702
TCGA-AA-	2.630964	3.337669	20.92176	5.560524	51.12921	59.80958	13.2988	63.71214
TCGA-AA-	1.843705	7.467635	12.18695	2.418615	18.2347	89.26304	9.194276	39.54494
TCGA-AA-	1.863844	5.255422	12.74485	3.572213	24.14783	77.83358	10.91166	69.25907
TCGA-4N-	0.687223	0.631531	12.98498	0.649777	3.872174	9.395335	1.733059	42.49214
TCGA-NH-	0.015976	0.014491	3.001403	0.332833	0.888844	3.598702	0.583901	2.442109
TCGA-G4-	7.195869	31.67034	22.47513	7.346197	39.27371	80.26744	21.14492	60.66075
TCGA-CM-	1.52453	1.195705	11.15025	2.136322	14.51994	30.47563	7.005215	28.45078
TCGA-DM	0.140745	4.966376	6.706378	0.518164	3.645393	8.902717	1.383848	5.552042
TCGA-F4-	5.581192	24.81192	62.98285	17.59513	115.3106	188.6232	58.20769	821.6433
TCGA-AA-	0.334153	7.596071	7.068304	0.630562	8.327083	9.807447	2.096309	36.38113
TCGA-AA-	1.543303	8.915496	14.91306	2.130129	28.86854	121.9223	11.93252	73.19557
TCGA-T9-	0.902686	9.802236	21.83831	2.153282	7.280809	23.81333	2.553116	32.89094
TCGA-A6-	1.533547	7.4237	23.21984	6.820441	32.15456	88.02869	17.18117	52.1311
TCGA-AA-	0.564314	2.870795	6.843695	2.400162	21.16579	75.88795	7.253145	59.08722
TCGA-AZ-	0.646284	0.212577	11.51921	3.094219	23.96783	39.88288	4.765322	43.91583
TCGA-CM-	0.297988	1.743969	13.02381	0.7926	9.24028	11.62132	2.674958	12.42771
TCGA-AA-	0.223465	0.672072	2.799894	0.362208	2.498404	6.202051	1.122965	24.83023
TCGA-AZ-	2.351379	16.77673	24.19049	0.349973	8.905572	9.472257	1.442056	15.31449
TCGA-D5-	0.883006	0.848463	9.67148	1.259702	8.426141	20.37143	5.605166	16.07604
TCGA-G4-	0.232237	0.046466	2.752562	0.395965	1.580526	5.291691	1.318682	18.28162
TCGA-D5-	4.220094	38.25721	66.78458	4.305328	37.11835	93.86367	10.25783	120.4957
TCGA-AD-	2.803517	1.399827	28.5298	3.033492	26.49927	73.32961	7.621888	60.42366
TCGA-A6-	1.041158	4.795741	10.27195	2.806463	13.12516	53.31061	8.462898	32.63317
TCGA-A6-	3.87722	6.072721	86.1561	9.401323	104.4016	115.1048	21.01146	208.8149
TCGA-AA-	0.706767	10.25085	17.24984	2.391605	21.7936	32.97238	7.380612	22.88398
TCGA-AZ-	12.53728	56.0646	114.0293	5.441239	108.9852	185.7748	24.05307	101.3686
TCGA-CK-	3.898543	18.23753	12.56601	3.152751	14.74351	40.50517	10.08804	32.22526
TCGA-AA-	0.39306	1.356032	2.919085	0.368742	2.769002	7.585315	0.699623	11.49829
TCGA-AA-	0.650262	11.98777	21.79808	3.092228	25.46817	41.80425	13.60281	38.49336
TCGA-CM-	1.811623	324.7736	36.33529	0.667367	12.4837	46.25072	1.000424	53.44949
TCGA-CM-	1.642538	8.402915	18.84446	6.49397	20.17601	67.28813	19.02723	31.44855
TCGA-A6-	9.929214	3.273839	18.88481	5.101625	47.60328	80.71984	18.06851	61.27809
TCGA-AA-	5.130286	3.429597	70.74741	3.328419	78.13505	103.3874	16.31614	316.5609
TCGA-G4-	1.026676	63.23178	12.02902	1.16699	11.30596	19.92931	4.016681	13.95377
TCGA-AA-	4.015889	137.3054	17.41558	2.852715	28.31075	43.44249	6.305943	57.0787
TCGA-AA-	11.67554	6.823965	186.8967	58.17063	233.9722	336.8171	73.85555	389.6192
TCGA-AA-	0.908046	6.995434	12.22739	2.296569	22.59061	46.30987	10.58539	18.19639
TCGA-AA-	0.575105	10.17188	6.185667	1.82322	11.31682	16.66104	2.602231	34.83218

TCGA-A6-	0.69	0.306906	4.586072	0.961523	3.036842	12.64683	1.635886	6.773812
TCGA-AA-	1.325929	14.40677	17.98511	4.553804	39.98123	138.353	18.03731	157.5336
TCGA-AA-	1.686365	5.838579	14.87745	1.52748	23.1152	26.80997	5.95875	42.39169
TCGA-A6-	2.260498	89.57871	15.3608	3.274305	7.537617	14.62939	13.12484	99.80161
TCGA-AA-	1.016198	2.248993	10.43446	0.650455	7.246958	10.44393	1.201278	15.31855
TCGA-AA-	1.962084	19.266	58.49778	1.332916	42.32283	35.21139	2.376954	73.90076
TCGA-AA-	15.11032	23.83812	54.78122	5.849003	42.26746	88.22596	20.48395	95.02362
TCGA-A6-	2.166347	0.919889	28.07948	6.886587	45.82516	77.90095	8.657636	97.42137
TCGA-AA-	0.322718	0.776817	6.354721	0.415983	6.866354	13.59162	3.711629	39.5215
TCGA-AA-	1.409463	3.908313	44.66124	6.590036	53.88978	51.7521	15.99973	216.7651
TCGA-AA-	0.25076	5.085036	7.962875	1.946862	13.58874	23.7412	8.870368	8.98863
TCGA-AA-	2.362159	4.619852	9.598098	2.629929	16.27188	30.37186	6.35101	20.0125
TCGA-AZ-	1.225686	0.085687	18.25838	4.27407	22.31905	37.20391	6.013304	33.68762
TCGA-D5-	0.513721	0.035539	7.991601	1.23428	12.32256	18.37171	5.698438	21.75998
TCGA-A6-	1.526451	1.51833	22.88414	4.856642	42.99755	108.7782	11.36594	114.8714
TCGA-F4-I	1.974179	0.984999	15.66993	3.752439	40.60294	73.69245	6.027701	48.80798
TCGA-CA-	1.156498	285.1722	15.32284	1.282059	11.99868	22.38487	9.879494	26.45988
TCGA-AA-	10.27454	150.4112	95.60449	4.059448	70.7225	174.9834	31.58437	196.3278
TCGA-A6-	1.198184	232.4729	7.289803	2.324064	8.921849	13.5365	9.079542	59.65469
TCGA-AA-	0.154832	4.198061	3.727174	0.230402	1.748001	4.060763	0.516373	5.358671
TCGA-CM-	0.886471	0.542735	18.92625	3.98464	24.48793	50.4179	13.26569	31.89477
TCGA-D5-	3.890377	4.344484	46.04054	7.308841	62.21034	76.20005	30.22134	69.43206
TCGA-G4-	3.257304	5.829234	18.09397	3.489073	29.03573	33.09326	4.272066	59.50485
TCGA-QL-	4.507196	1.075073	42.18211	2.633897	23.82742	36.43775	6.606113	25.7981
TCGA-G4-	4.607665	5.343705	13.8719	3.914496	18.15739	42.88933	8.655404	32.66367
TCGA-AA-	3.398387	159.3447	11.90794	4.185139	27.06298	34.941	6.279464	77.1074
TCGA-CK-	5.101364	10.50624	120.6512	8.130702	133.4907	162.5694	18.17127	150.5251
TCGA-D5-	2.480334	0.073842	20.2759	7.462594	44.09256	67.78417	17.90384	127.0742
TCGA-CM-	6.95549	66.71507	75.24637	1.967307	56.67975	56.03826	6.691272	434.2556
TCGA-AA-	2.720721	1.575949	28.9504	10.26744	71.49801	71.9933	19.40318	74.32029
TCGA-CM-	1.178582	92.10573	16.53808	2.186156	14.98802	34.68554	9.321839	28.07169
TCGA-AA-	0.514847	16.419	12.72898	1.622861	15.11606	21.45128	3.532853	20.90716
TCGA-A6-	1.027386	0.990977	15.78926	4.708501	39.34044	47.18888	9.57697	58.33352
TCGA-CM-	1.76627	0.558196	22.89674	6.040404	46.07807	77.89299	20.0279	28.05792
TCGA-F4-I	1.139151	16.73363	26.91696	2.402212	25.20115	27.98423	4.95833	51.84858
TCGA-AY-	1.513445	207.5882	9.254217	2.072469	11.53847	26.77336	5.523434	19.22991
TCGA-A6-	3.036753	0.509474	17.91287	5.138862	30.79941	47.06707	11.72775	36.11353
TCGA-AA-	0.929111	25.24465	9.914879	1.806906	17.41475	19.07122	10.82369	6.856812
TCGA-AA-	3.273365	2.332807	8.956466	1.308346	18.17863	19.76784	7.0053	11.86843
TCGA-NH-	0.109387	0.024804	3.730056	0.308252	1.1334	3.283722	0.902234	3.470346
TCGA-CK-	0.227452	0.07986	7.449699	1.149734	10.54374	13.68984	2.297954	14.02992
TCGA-AA-	0.887641	0.40875	9.419922	0.358712	4.947055	7.005598	1.94148	35.17141
TCGA-A6-	0.434174	0.045439	4.923708	0.707882	4.218757	7.992663	1.934326	28.95505
TCGA-D5-	1.482315	0.112488	12.87326	3.471646	19.77347	41.78414	12.56312	27.83128
TCGA-AA-	2.887912	1.562179	17.0509	0.648327	21.47588	31.56354	4.091387	30.865
TCGA-AA-	0.854428	1.056803	8.287703	1.364925	15.48862	26.82141	1.646281	33.64862
TCGA-G4-	1.787442	29.6051	19.3447	6.400671	23.23319	28.02651	11.61418	22.5868
TCGA-AA-	0.628335	8.225788	9.050974	0.885321	8.730579	16.0533	3.23773	30.68654
TCGA-DM	1.827793	0.362087	6.214623	0.604925	8.508023	9.205628	1.717564	12.86036
TCGA-AA-	0.67215	1.544134	8.548939	1.117837	12.74144	17.89073	2.555045	24.85179
TCGA-F4-I	1.431758	14.39667	24.48963	4.505244	38.25354	54.57668	9.091684	49.20836
TCGA-AA-	0.560066	17.54074	10.11072	1.143906	16.09349	22.33443	3.906053	21.15726
TCGA-AA-	7.724818	0.159847	59.45546	7.329564	46.89732	127.9819	16.22559	133.0832
TCGA-AM-	0.529146	1.087712	7.283278	0.984631	8.643413	14.38601	0.971591	10.88193
TCGA-5M-	0.344601	3.622883	5.633784	0.510765	5.169316	7.741866	1.558018	7.553444
TCGA-AA-	0.669852	5.802942	5.940234	1.423982	12.04796	13.22503	3.24161	15.96806
TCGA-AA-	7.305279	3.536032	117.1048	27.10423	107.581	357.3778	23.40006	473.8578
TCGA-CK-	2.841324	3.203895	34.78584	4.195905	28.33606	83.98063	11.14758	51.43235

TCGA-4T-	0.433062	19.26802	8.866518	0.509104	1.823328	7.054312	2.682779	6.935969
TCGA-AA-	1.650923	8.499617	17.86448	2.056144	21.77634	29.50775	2.903393	55.08156
TCGA-F4-	1.389676	0.132272	12.67109	4.361575	22.47793	31.56427	7.42244	73.2986
TCGA-AA-	0.645625	113.9494	13.5052	0.564631	8.290214	18.8997	3.351999	25.61943
TCGA-D5-	2.099101	14.9103	25.246	5.925616	42.60541	58.60276	17.77487	195.7732
TCGA-FM-	3.52175	0	97.91101	8.576068	38.38493	163.4912	32.34091	139.4159
TCGA-CM-	4.925866	70.41207	50.67986	3.010784	50.92364	44.66488	12.74381	151.6715
TCGA-G4-	1.876155	15.08728	14.21022	3.651997	22.70559	32.36349	8.41181	95.96584
TCGA-G4-	2.830394	9.888021	25.76847	1.017219	14.24618	30.50472	2.342253	129.0842
TCGA-G4-	4.45094	886.4707	6.828173	1.935927	10.27033	17.29409	4.662649	29.72261
TCGA-AA-	7.586508	1.822486	22.45975	3.866764	41.58412	39.75632	14.49477	13.35935
TCGA-AZ-	0.534878	3.693193	8.150085	0.981079	13.27281	35.04804	1.908111	37.02376
TCGA-G4-	0.531206	8.938979	11.85802	2.94392	13.31866	22.96103	5.756896	67.85432
TCGA-AA-	0.528805	1.445838	14.0442	0.741502	13.86468	12.86353	4.857492	14.72348
TCGA-AA-	2.326785	8.705625	21.02205	6.041676	29.42079	61.55081	11.94216	74.60109
TCGA-AY-	0.423056	51.65494	1.750103	0.240726	1.464195	3.756985	0.625987	2.424649
TCGA-AA-	0.546981	5.040193	7.523339	1.677761	6.358235	13.90395	2.471718	16.45686
TCGA-CM-	4.424449	4.156763	15.92432	4.581492	19.33955	34.48102	8.876058	40.69788
TCGA-AA-	0.870598	5.732051	12.15079	2.689596	20.61087	25.80863	5.260526	69.05018
TCGA-D5-	1.722594	0.429216	13.68037	4.96664	23.95295	43.50817	8.582493	49.62404
TCGA-AA-	3.470376	1.967326	45.38061	15.80086	47.36569	79.24077	12.13131	224.4019
TCGA-A6-	0.123668	0.056085	4.926448	0.597422	5.71623	21.77365	3.597128	6.6183
TCGA-CM-	0.907103	0.860508	9.225461	0.904556	7.486922	15.6792	4.409521	30.21832
TCGA-CA-	5.775351	4.038743	84.96423	28.20073	209.3975	206.8914	63.08092	587.9618
TCGA-AA-	2.765337	1.987656	17.04154	2.599315	25.83692	29.24627	11.44164	24.30296
TCGA-F4-	9.209263	64.95058	88.83648	37.39262	117.9048	151.518	46.33091	457.2185
TCGA-AA-	0.872656	2.426185	8.134568	1.563689	8.047772	29.9126	2.388559	37.36974
TCGA-AD-	2.820378	0.29716	36.30691	7.053241	58.96834	89.2592	21.7109	99.66606
TCGA-DM	0.377563	0.052536	23.44285	1.908151	24.49962	21.12219	2.435422	43.24827
TCGA-DM	1.96742	1.396566	14.32349	0.391093	6.296468	9.058638	1.617654	7.812427
TCGA-AU-	2.008085	6.878064	97.33839	5.486083	153.1812	132.7814	17.84651	201.0347
TCGA-A6-	1.949443	2.946993	31.42562	17.18358	45.45329	73.70348	5.255567	110.2103
TCGA-AA-	0.461951	2.424225	8.88042	1.205469	8.970253	19.36193	3.531327	15.16314
TCGA-G4-	9.247399	27.5489	12.32681	1.055508	5.649443	20.54322	3.674045	13.67641
TCGA-DM	3.251747	0.540552	14.10059	1.282269	6.682022	18.11592	3.092091	14.03986
TCGA-D5-	3.982379	45.35968	55.31715	23.31821	134.5241	277.9515	78.97926	491.3019
TCGA-DM	1.402894	4.810796	3.423733	0.535039	3.734473	7.354577	0.746737	4.60217
TCGA-A6-	4.535208	77.39354	12.08757	1.414016	13.07621	16.99203	6.794571	84.74491
TCGA-D5-	0.709852	0.097464	8.797723	1.574985	16.51025	19.74009	6.809075	19.79685
TCGA-AA-	0.595286	9.387587	12.80545	3.651851	16.88449	32.9412	5.20965	27.23595
TCGA-A6-	2.440304	340.0752	13.17256	3.303984	25.61008	34.42901	10.76098	20.43769
TCGA-AD-	1.372107	1.003543	9.599811	1.178175	8.263562	21.45915	3.869587	11.46025
TCGA-AA-	0.721964	24.74428	6.029481	1.23095	9.907429	19.89264	4.578445	11.29919
TCGA-A6-	2.406233	9.070856	13.71136	6.143941	10.35574	46.74024	6.718517	60.46458
TCGA-AA-	3.610325	3.560188	85.67652	23.86244	88.41497	129.496	19.27572	378.2596
TCGA-A6-	0.321805	0.187641	4.87871	3.38956	18.22636	20.55513	4.659527	13.94842
TCGA-CK-	0.187769	0.061664	2.674212	0.404667	3.729165	4.982389	1.314546	4.295041
TCGA-G4-	1.006255	0.560066	50.47454	2.744702	17.74059	52.02036	3.269352	26.21844
TCGA-AA-	0.790773	11.23694	11.13883	1.671292	19.57552	19.97462	4.655542	8.159798
TCGA-AA-	2.047047	63.80382	37.0961	4.262205	41.80046	44.8262	10.09754	209.935
TCGA-A6-	4.960387	7.626694	15.90455	1.059333	22.00338	83.80472	6.114319	117.3589
TCGA-F4-	2.605656	0.737226	10.91297	1.754114	13.80734	24.13523	5.685381	64.02056
TCGA-AA-	2.683588	2.615225	61.54058	2.803839	53.0923	73.31204	10.44426	275.4292
TCGA-AA-	0.578065	0.407805	10.42392	0.824187	6.997963	15.66659	2.476631	5.248634
TCGA-F4-	7.378768	7.955173	28.02093	10.49584	56.03478	70.40852	24.00511	49.82283
TCGA-AA-	2.730978	18.15273	14.22675	3.263459	27.00119	34.42318	7.310267	31.31615
TCGA-D5-	1.450789	10.53298	11.12969	3.907868	19.16945	34.66171	3.832109	33.45581
TCGA-AA-	4.386051	25.59392	25.40514	7.390972	52.51497	81.41632	23.02477	35.23908

TCGA-QG-	1.075237	0.661614	6.470173	1.228426	6.480173	14.59803	3.344821	15.24068
TCGA-A6-	0.177568	1.379387	12.13279	0.959837	10.54898	14.95345	4.756883	67.73297
TCGA-D5-	2.269178	42.76201	10.83745	2.258091	15.36293	24.69366	3.983612	22.87607
TCGA-F4-I	0.90479	1.471649	13.06337	5.656697	20.91982	38.36273	13.56544	22.99525
TCGA-AA-	0.716845	18.97587	7.486704	0.903382	8.926145	20.12817	2.934957	24.76473
TCGA-A6-	1.182951	93.36334	41.48338	3.446984	25.28698	27.07066	5.755116	143.5201
TCGA-AA-	0.664979	2.843438	27.82597	0.946513	13.86612	15.83234	1.389199	55.44741
TCGA-AA-	0.549492	39.41372	9.834536	0.637081	5.155408	10.93225	1.037775	26.94166
TCGA-AY-	1.885047	0.568493	53.27007	3.698742	51.7862	69.12536	14.88364	315.3021
TCGA-AA-	1.181694	1.021742	14.08788	2.235748	21.3619	23.36683	5.446141	135.5299
TCGA-AA-	4.886527	6.838682	15.13458	3.729065	19.95495	32.0786	10.65789	100.8886
TCGA-AA-	1.966019	6.153894	19.82836	3.398624	37.4268	49.72447	10.56343	76.97455
TCGA-AA-	3.772853	87.26293	86.60785	3.965119	109.6644	130.4614	13.06884	457.7386
TCGA-AY-	10.29191	14.86507	71.99092	25.27284	139.5068	219.9008	46.82798	456.0828
TCGA-AD-	0.216586	9.345366	21.95535	0.896822	7.476377	17.38757	2.330915	21.5062
TCGA-AZ-	0.216677	95.16793	10.7126	0.490655	4.23291	7.440977	1.869899	8.170873
TCGA-F4-I	2.489328	113.7813	13.57143	1.449508	6.513795	19.88457	4.679604	68.40505
TCGA-AA-	1.801047	414.9969	23.97345	6.858594	53.26834	78.44323	25.0586	78.39228
TCGA-QG-	5.7764	91.87628	44.38775	5.070256	24.94214	44.08551	14.6855	150.6036
TCGA-AA-	0.477605	480.4778	7.471977	0.865212	3.385514	13.73749	2.47521	28.63474
TCGA-AA-	0.442347	15.92114	7.247171	1.384133	13.70336	19.98386	4.156005	15.96663
TCGA-NH-	0.971104	2.5443	22.29841	2.116087	10.80905	38.18542	10.2182	32.63316
TCGA-CM-	0.532615	1.074472	10.8252	1.197767	8.669831	13.04873	1.865994	16.72087
TCGA-AA-	0.846255	1.809284	7.031236	1.630382	12.62815	22.07217	5.059699	7.709531
TCGA-AA-	1.550179	0.283574	9.602326	1.923298	15.12084	23.22007	4.073062	20.21304
TCGA-CA-	1.858403	0.238395	18.36654	1.923781	14.19974	29.3339	6.100362	38.92796
TCGA-AA-	3.154964	2.497015	21.92286	2.973225	29.16929	50.11778	10.88784	89.01018
TCGA-CK-	3.120062	0.137401	19.46051	1.463601	13.12915	21.70332	7.138465	42.72445
TCGA-A6-	0.513295	21.84987	43.49516	1.359931	47.26565	27.46008	5.617888	66.4333
TCGA-A6-	1.272429	0.021373	15.85987	4.667094	26.18949	46.08239	15.94665	156.0818
TCGA-G4-	0.007025	0.611735	4.392757	0.655441	2.45177	7.098379	1.592194	43.28008
TCGA-NH-	0.191325	0.08181	5.221035	0.539703	5.201262	7.131763	1.167181	45.23234
TCGA-DM	0.062626	0.665663	4.052743	0.244628	1.561461	3.282045	0.907602	1.365945
TCGA-NH-	0.17567	4.176904	7.707772	1.136561	4.963407	15.4828	1.95947	6.309043
TCGA-AD-	0.84356	61.42184	6.962388	1.079333	2.700143	12.43518	3.215403	12.573
TCGA-A6-	1.547518	1.555758	41.04047	12.13899	61.25668	138.951	64.29208	64.09035
TCGA-D5-	1.314228	31.33624	8.675621	1.778659	13.15831	19.08931	4.48821	26.13459
TCGA-F4-I	0.274787	1.183885	8.220756	0.138276	1.72278	3.239934	0.66072	3.148067
TCGA-AA-	0.637665	53.4754	6.673704	0.639031	7.453881	16.42868	1.743815	10.87812
TCGA-FF-}	4.869524	0.026643	353.8021	30.69774	86.68805	393.4997	100.2329	469.7695
TCGA-AG-	2.90051	2.104671	17.86652	3.540508	42.08043	47.74685	13.25283	45.69124
TCGA-AG-	1.224522	3.870003	8.926753	1.709941	15.78172	18.05303	4.068541	77.47617
TCGA-A6-	0.755755	0.092081	5.45148	2.278427	13.00766	13.14481	5.106892	17.04715
TCGA-QG-	0.867516	1.662839	17.92606	3.234293	27.19276	34.62891	10.86483	100.0534
TCGA-AA-	1.803925	41.35283	21.72106	4.023252	33.99914	39.39758	12.93662	81.32978
TCGA-AA-	1.243488	1.804602	7.01424	1.276507	10.56072	21.74956	2.174503	21.75735
TCGA-AA-	1.513138	13.10695	28.51722	3.186584	39.10248	38.33621	9.466219	168.999
TCGA-A6-	6.214064	22.74297	17.82951	7.1274	28.5186	50.34126	14.96746	22.42514
TCGA-AA-	2.147713	2.798363	74.27917	13.77192	77.26681	121.3554	27.50031	479.2207
TCGA-AA-	5.933415	0.067724	46.00761	15.53702	85.98231	112.74	28.56054	118.5688
TCGA-AA-	0.250321	0.885485	4.906115	0.408125	8.018393	21.57645	3.18674	13.47653
TCGA-CM-	1.687365	8.026898	28.98663	6.774759	39.69804	65.18605	5.47452	78.77982
TCGA-AA-	1.441847	1.471267	8.036018	1.810591	12.07823	15.95744	5.810626	11.15226
TCGA-A6-	7.186009	0.247934	32.7021	7.19122	82.1874	94.60097	19.84365	132.9016
TCGA-DM	0.25601	0.348311	5.999105	0.514794	3.376281	5.786699	0.701078	5.582031
TCGA-AD-	4.646232	31.70969	23.31198	2.047213	18.45652	37.50254	6.321589	83.47058
TCGA-AA-	2.938569	2.119765	18.21435	1.357648	20.57319	28.14396	3.590201	28.099
TCGA-CM-	1.52586	8.066417	14.83859	2.475398	19.60554	43.49069	9.402737	43.26333

TCGA-D5-	1.42352	100.5352	55.55568	10.72546	93.74494	79.68292	8.985341	598.1877
TCGA-D5-	33.89856	61.47265	138.6177	25.82084	246.9642	323.3357	114.6783	806.8858
TCGA-F4-	1.574698	3.195951	9.434335	1.667985	8.700823	22.18924	5.77593	41.83177
TCGA-G4-	0.215829	0.427587	6.619381	0.528178	2.647638	9.248969	1.706351	4.029732
TCGA-AY-	3.917424	1.663443	22.56131	4.079455	34.27905	46.05206	11.76794	42.63867
TCGA-AA-	2.4067	39.39911	13.73113	2.179947	23.04552	33.5552	4.968455	34.14334
TCGA-DM	0.021586	77.1497	3.848833	0.293277	2.047022	4.412532	1.075787	9.545839
TCGA-A6-	1.515943	20.75758	13.02852	2.157752	17.6758	52.67284	4.805791	43.81541
TCGA-CM-	0.60819	0.267942	5.972518	1.306392	11.81361	18.30396	4.056685	7.885089
TCGA-AA-	0.223449	1.097817	20.95367	0.202396	5.226943	5.075281	1.068044	16.46939
TCGA-DX-	1.076659	0.01878	15.59869	1.169013	11.34912	20.05732	0.930522	11.20667
TCGA-A6-	3.283343	0.794154	43.31939	19.16134	90.52925	111.3413	25.52598	49.59253
TCGA-AA-	1.0837	13.65136	13.71291	2.459765	28.96918	41.43427	11.21664	40.96279
TCGA-AZ-	1.211169	7.371544	11.72814	3.330001	14.43358	31.1491	6.545141	18.19228
TCGA-D5-	1.709303	0.052615	12.80002	2.19278	15.00693	31.07761	8.833338	60.11735
TCGA-AA-	6.483311	15.75143	19.1896	6.225702	35.82666	56.34573	16.25816	29.73514
TCGA-A6-	0.826885	0.063381	8.568057	1.751131	9.343648	19.36434	6.928504	10.96691
TCGA-AA-	2.331735	27.12963	17.91887	3.452101	26.08771	38.9029	6.3019	107.2293
TCGA-AA-	0.806058	0.652076	11.3097	2.052209	13.92463	35.96737	5.508725	99.46255
TCGA-CM-	1.313794	0.031637	35.1978	4.623145	41.71411	80.24757	15.32785	54.38939
TCGA-NH-	0.613875	0.281637	9.141363	1.875008	12.29747	18.57886	4.209081	57.02632
TCGA-A6-	2.064594	0.243443	7.658672	3.55314	17.49072	16.86391	7.17744	8.614252
TCGA-DM	0.249408	2.827749	2.796825	0.11923	1.511109	2.742252	0.517921	1.788323
TCGA-AZ-	0.953222	74.45242	5.012379	0.393528	1.992422	4.280651	0.472859	8.920919
TCGA-AA-	0.799432	11.96425	12.0278	2.921855	30.27182	42.74972	7.320987	40.20755
TCGA-D5-	2.668609	180.3749	39.91313	1.003887	17.66612	18.53411	6.158654	164.861
TCGA-AZ-	2.206559	107.6675	11.4737	1.611167	11.05111	26.97133	4.791798	24.09227
TCGA-A6-	0.538273	0.811087	11.0561	3.213688	22.74932	37.31104	10.22356	20.94968
TCGA-AY-	1.102901	13.54164	46.07768	0.847182	41.21449	28.53746	1.525909	74.79811
TCGA-AZ-	0.298671	10.97155	7.111947	1.177937	11.58525	20.8052	6.939926	11.82638
TCGA-AA-	2.339311	13.88825	13.87666	1.692374	14.63593	31.64552	4.438764	25.84839
TCGA-CK-	4.375346	5.984037	12.98519	3.885201	34.95249	51.3317	18.12227	26.06504
TCGA-CM-	5.015893	51.35417	39.9169	11.52462	92.35875	118.3708	27.87364	102.3908
TCGA-AA-	0.173248	3.457097	3.436958	0.418468	1.916793	4.361149	0.454442	7.370135
TCGA-CA-	3.647983	42.63344	27.67084	8.428072	33.2081	98.52012	48.26358	79.23598
TCGA-AY-	1.953975	3.732407	12.04385	4.371948	12.50068	26.80633	7.236675	11.49495
TCGA-A6-	3.725658	3.724576	30.69905	6.19122	76.56082	114.8263	35.69688	148.5563
TCGA-D5-	2.114706	108.0826	14.8255	3.847779	25.51592	38.21705	17.55526	37.9538
TCGA-AA-	2.306703	123.263	35.65732	1.95085	41.89717	50.8757	8.424098	99.9394
TCGA-AG-	0.666198	1.858096	13.9726	1.946063	13.35152	25.11174	5.128862	74.50224
TCGA-5M-	0.87511	0.146895	10.96895	0.648539	3.535127	6.059694	2.045058	4.621737
TCGA-CK-	1.414223	21.44004	14.93937	1.641254	10.35001	23.09122	3.653299	56.32021
TCGA-CA-	0.346898	0.129962	5.739101	0.27323	1.557459	6.14017	0.366612	7.68498
TCGA-A6-	1.815338	0.151524	19.42146	6.103083	35.72634	44.99629	8.495208	62.92435
TCGA-AY-	0.441796	2.185746	6.822157	1.68961	5.450815	15.14789	4.516044	9.048068
TCGA-AG-	0.579366	0.797009	4.348204	0.98542	6.263506	13.53656	3.458203	9.914399
TCGA-AA-	1.947497	9.241963	19.34919	3.104655	25.88572	32.45725	10.88706	32.75734
TCGA-D5-	1.785572	0.272254	14.72392	4.02476	27.50171	38.01997	12.76168	26.69618
TCGA-A6-	9.762419	21.08785	38.90509	8.246206	81.13369	106.4674	36.06677	69.30848
TCGA-RU-	0.229461	0.180742	2.372762	0.098451	0.912413	2.665325	0.598724	1.689318
TCGA-A6-	1.276889	2.256179	4.161778	3.499794	19.72057	16.86315	14.81552	19.13097
TCGA-AA-	1.836125	3.737188	11.41747	3.898378	26.11414	40.79513	8.522896	27.70668
TCGA-D5-	1.334253	0.057629	6.276917	0.575497	6.025295	14.45873	2.892458	12.33853
TCGA-D5-	0.483338	0.030946	5.798027	0.607769	3.559063	6.537596	1.709333	49.97113
TCGA-AA-	0.65992	0.014029	7.718986	0.523026	3.89509	9.189883	0.976401	7.806478
TCGA-CM-	1.244698	35.19283	236.2788	31.64568	187.9163	194.6922	13.07473	181.8247
TCGA-AA-	1.189532	2.589449	12.00336	1.861064	21.63842	23.40129	3.937158	30.15952
TCGA-AA-	1.411266	1.779159	19.96039	2.064044	24.9497	32.78891	6.058803	156.9107

TCGA-AA-	3.025165	2.00724	59.07033	6.222687	66.31812	86.44221	17.21512	468.1393
TCGA-AA-	1.858848	84.71042	11.38774	2.533742	25.79737	34.56563	6.106694	31.80258
TCGA-G4-	1.004545	0.070252	9.565951	2.653166	15.69037	24.88181	5.314311	17.45111
TCGA-A6-	0.40916	0.01887	3.490816	1.72114	8.176897	10.65488	3.365294	30.60183
TCGA-G4-	1.352316	164.8877	10.5325	1.055719	7.826911	13.40522	2.23808	15.49327
TCGA-G4-	1.822762	84.03735	35.04117	5.398976	39.91715	76.561	13.5759	68.57224
TCGA-CA-	0.722066	456.4613	7.948252	0.483161	6.465088	8.088765	1.805299	15.25312
TCGA-AA-	1.712979	5.44312	15.38593	2.939849	30.12393	38.28315	10.14532	160.2396
TCGA-NH-	0.844906	17.91974	27.05322	2.581997	15.22124	38.15404	4.780464	157.6415
TCGA-AA-	0.486819	5.693274	9.046181	1.313475	12.12116	15.54977	3.108175	16.04199
TCGA-AA-	0.206103	0.420618	6.059229	0.361702	2.59791	4.17628	0.486561	2.712079
TCGA-CM-	0.235625	7.243685	4.953607	0.553998	4.129872	10.63335	1.833144	6.304126
TCGA-AD-	0.475022	0.201964	6.563908	0.654364	4.454722	9.18084	0.693096	8.163058
TCGA-F4-	0.594107	6.881821	18.75597	4.439584	19.9958	58.24201	10.40653	53.7604
TCGA-AZ-	2.067434	3.159019	21.2743	5.306791	34.36597	54.35955	23.12043	37.9047
TCGA-A6-	1.361363	4.376406	26.19225	5.183379	39.21809	121.4904	14.44812	145.0662
TCGA-AA-	0.948363	7.019153	8.722418	1.477499	12.27928	18.86788	3.78782	43.10676
TCGA-A6-	1.255697	0.412378	11.29116	6.360223	28.47461	45.78856	6.273324	67.0202
TCGA-SS-	0.495669	0.180357	2.421805	0.339337	3.253965	6.108615	1.236677	3.424324
TCGA-CM-	1.453449	31.5714	2.102355	0.204286	1.4338	9.919058	1.827369	4.191931
TCGA-AZ-	1.007222	93.81196	9.033957	0.154631	8.224253	18.60475	1.209057	20.18699
TCGA-AA-	2.815907	3.962612	30.94036	3.963432	48.87022	58.30342	12.48433	58.00455
TCGA-AA-	1.615805	2.913497	9.338675	1.322501	12.64622	16.90681	3.666444	18.66882
TCGA-G4-	1.52831	0.122313	3.620675	0.095002	0.653625	1.599743	0.224025	10.95478
TCGA-G4-	0.848667	10.00692	5.480256	0.885969	5.641295	14.93936	4.801865	32.96741
TCGA-AA-	8.571174	11.58191	35.11569	7.834199	62.90812	97.39663	16.78033	68.93608
TCGA-G4-	5.702215	1.610969	45.15961	9.663852	80.34346	104.1706	32.98454	292.0363
TCGA-A6-	5.397561	3.490473	23.55634	4.502724	43.77198	49.74158	20.75484	52.52505
TCGA-AY-	0.323695	5.979277	5.66872	1.251728	3.84893	15.56178	2.220658	9.317828
TCGA-A6-	4.044721	4.37418	26.6043	17.07349	30.02196	65.34046	44.20659	8.188275
TCGA-CA-	1.250387	317.4092	10.76585	1.677418	9.390415	16.00923	7.322518	34.34158
TCGA-CM-	1.696358	26.66978	12.43401	3.926692	11.55886	37.79382	7.020582	38.05287
TCGA-AZ-	3.36607	12.15782	14.25823	4.493157	33.59704	47.86902	20.24264	42.61377
TCGA-D5-	5.148038	8.440314	12.40702	3.388126	18.84626	47.3789	11.62158	29.60695
TCGA-AA-	0.10597	3.542616	4.016378	0.411367	3.292389	7.293087	0.50034	12.88015
TCGA-AA-	0.950762	0.436783	14.09524	1.890131	16.6588	32.12194	3.776499	24.4654
TCGA-DM	0.432984	0.097027	7.012969	0.719782	5.210736	9.099794	1.643491	5.626853
TCGA-AA-	1.124627	0.075251	12.16228	1.319259	11.88905	15.02721	3.752756	42.29932
TCGA-AD-	1.486764	0.614773	8.236002	1.287273	5.381742	16.88157	2.519632	12.77997
TCGA-A6-	2.051332	4.21921	9.855054	0.994609	6.476835	11.17859	1.899101	36.38525
TCGA-AA-	3.090377	60.39305	69.22203	16.57714	88.85129	99.84603	14.9773	282.5164
TCGA-AA-	2.295448	18.09331	11.07436	2.73457	21.49237	24.86852	4.875798	23.24323
TCGA-AA-	3.445639	6.795126	16.32152	2.348631	20.82684	32.83205	10.07891	12.89888
TCGA-AA-	0.984762	1.014425	12.48827	2.637713	22.03065	32.14662	3.40231	48.97279
TCGA-5M-	5.847237	1.4122	76.67275	9.762163	62.69692	105.8548	19.30373	76.1133
TCGA-CM-	1.585074	1.48728	41.58295	4.183428	25.433	87.39268	13.73494	135.8461
TCGA-A6-	0.868964	7.044298	20.70906	3.011723	31.10844	39.52142	8.550741	37.12314
TCGA-G4-	1.155432	0.12965	20.77231	4.234835	15.48709	17.67308	1.668491	17.70989
TCGA-CM-	0.298484	4.128672	8.727556	1.111486	10.0644	29.01835	4.880349	63.03447
TCGA-A6-	3.421246	0.03521	29.01528	9.878052	72.54326	97.54981	28.73362	186.7175
TCGA-AA-	3.757498	22.50451	24.79516	3.962789	29.36231	70.10189	9.766575	29.51784
TCGA-AY-	0.367144	95.14751	3.870257	0.207305	1.097273	3.873957	0.590333	13.90307
TCGA-AA-	0.790858	10.01502	11.7997	2.67252	21.84599	27.32747	8.178221	97.37839
TCGA-D5-	2.953449	0.354927	19.52085	4.616167	39.78907	64.31837	18.82766	144.9962
TCGA-AA-	2.353905	3.634389	12.36502	2.227953	25.51653	49.24477	5.203194	40.58121
TCGA-AA-	13.74848	175.7712	119.8559	24.49912	171.2248	207.3864	23.76838	239.9259
TCGA-AZ-	1.817032	5.507051	27.79519	1.565551	28.16806	72.20659	8.253665	79.46039
TCGA-CM-	1.202621	0.093293	12.93506	2.556065	17.79752	33.17159	10.95241	23.29076

TCGA-CA-	1.88119	0.336767	13.89726	3.710573	27.94524	37.9494	15.03721	43.5118
TCGA-CA-	0.144819	0.053047	5.695346	0.580195	2.317108	8.637522	1.75617	6.088438
TCGA-5M-	1.474641	0.765658	7.831402	1.378183	5.574019	23.88183	4.155117	23.44439
TCGA-F4-I	2.737719	3.161888	18.51738	5.038207	22.93041	56.97416	11.9696	63.30002
TCGA-AA-	1.146961	4.757578	17.89279	3.16737	24.97283	34.9308	7.7929	79.14951
TCGA-AA-	2.864796	2.39247	26.45404	6.434464	50.97811	56.60328	9.292391	56.82942
TCGA-AA-	1.37058	5.690633	13.82658	1.551809	20.80366	23.96839	7.748115	83.31813
TCGA-CK-	5.930375	26.70899	59.44906	6.19436	76.29383	72.11912	22.1593	76.76498
TCGA-G4-	0.728811	0.096921	10.53829	2.079703	16.9549	35.18936	8.006231	25.19219
TCGA-CK-	0.491439	0.123338	13.80803	2.860977	24.1409	40.19405	7.223846	37.53973
TCGA-AZ-	3.770448	1.866823	58.49516	6.74686	58.63155	71.44732	12.40956	61.20619
TCGA-AA-	0.557869	228.4047	6.283936	1.359739	14.72987	18.21206	5.113671	8.688414
TCGA-AA-	1.422452	15.82314	18.27321	3.094053	15.40214	29.20307	5.181625	113.1374
TCGA-A6-	2.866193	4.127995	29.64129	8.929012	64.76424	45.04831	14.96724	119.587
TCGA-AA-	8.9958	6.43239	22.56617	5.505919	47.74263	60.47305	14.75353	148.6658
TCGA-A6-	3.254198	4.650868	46.17596	8.288424	72.84784	69.87333	14.40937	166.3992
TCGA-CM-	2.098956	0.235176	28.35873	6.540121	30.24003	42.39578	7.560308	237.46
TCGA-CM-	0.318971	10.53686	13.29308	1.981982	16.74181	20.42515	6.445812	13.50492
TCGA-CM-	0.483414	6.214823	10.42908	1.408793	16.10948	22.86	5.200754	73.44952
TCGA-AA-	2.290283	9.612448	13.77494	3.759243	34.61069	38.44127	7.929993	41.35423
TCGA-CM-	1.298633	19.98842	4.864774	1.269722	12.16186	14.89392	6.7173	50.84322
TCGA-A6-	2.407955	0.21366	31.90493	5.83203	54.41876	68.40773	10.81998	70.35434
TCGA-AA-	2.988742	128.4461	13.37536	3.373736	36.02474	57.76583	10.99919	34.56628
TCGA-DM	0.93097	0.105005	10.0928	0.38449	4.187134	7.040587	1.262753	8.305521
TCGA-A6-	2.308603	18.27056	24.19185	11.17409	67.81332	87.77223	11.63703	120.4684
TCGA-DM	0.254321	0.278168	4.533984	0.465236	5.264984	7.492786	0.669718	6.069309
TCGA-AA-	2.318794	4.004182	54.95394	2.598477	48.06748	66.55717	5.669069	66.36253
TCGA-AA-	1.424646	36.93743	16.85179	3.816348	42.69652	69.30408	10.24082	139.6138
TCGA-DM	0.073654	0.007708	3.989449	0.364364	1.633376	4.949949	1.010583	17.99098
TCGA-A6-	1.221746	0.233296	3.673264	1.592003	6.728114	7.67474	3.699487	3.029119
TCGA-G4-	14.431	0.973967	166.6146	147.4746	199.9425	315.2982	126.9642	1413.551
TCGA-CM-	0.556364	0.073593	3.933987	0.251972	3.536983	5.000434	0.514837	4.368141
TCGA-CK-	1.582802	127.0257	81.44367	5.620004	64.51044	116.8448	8.455831	330.5366
TCGA-AZ-	0.098999	1.049182	10.22963	0.231259	3.847593	4.484403	1.049661	41.46142
TCGA-AA-	1.237049	7.321713	14.16537	2.633455	20.91786	25.62388	11.58269	17.51305
TCGA-D5-	0.675631	63.79089	12.21174	2.975465	20.35211	28.84811	6.557242	76.02925
TCGA-AA-	1.101418	215.9077	10.72997	2.224634	25.14822	31.36872	9.836207	24.68277
TCGA-CM-	2.539268	11.55456	10.70471	3.66872	20.88425	47.7296	11.16371	36.33933
TCGA-AA-	0.959383	15.71327	8.668593	1.695248	10.6095	19.26979	5.06056	40.38585
TCGA-AG-	1.051331	5.908081	15.27376	2.470402	24.99747	35.0155	4.979874	35.94663
TCGA-AA-	1.770098	41.18442	18.76772	2.864366	25.28643	23.12511	6.0308	29.7707
TCGA-AA-	1.315488	20.14536	17.79048	1.662623	17.76503	37.58249	7.125926	95.15971
TCGA-CM-	2.510302	154.21	33.95773	2.710303	24.40621	54.41288	8.852547	46.40672
TCGA-F4-I	2.40437	4.871147	20.27451	3.30004	17.48104	41.28553	11.58639	98.76374
TCGA-DM	0.413347	1.185997	4.795051	0.47449	3.454159	8.914847	1.627428	3.080688
TCGA-A6-	3.532145	4.252247	15.6261	2.675825	32.27833	35.90009	4.542687	37.32203
TCGA-CM-	0.942686	0.045002	13.25813	2.486705	20.00557	27.72096	6.76458	25.12131
TCGA-AA-	0.5532	11.72735	12.38906	2.161633	17.10494	21.21506	5.719967	64.82184
TCGA-A6-	0.617777	4.615162	15.67329	2.350201	26.15405	60.26938	8.161284	50.86078
TCGA-A6-	0.518049	0.307855	4.227024	0.248104	2.187235	5.10155	1.015253	7.109939
TCGA-AA-	1.784501	17.64262	28.66243	5.890769	32.76785	72.54468	19.99251	124.5508
TCGA-F4-I	0.962212	1.751522	10.59196	2.626687	19.00926	28.58206	5.006123	80.8045
TCGA-AA-	1.288105	2.436834	8.075194	0.477809	7.337046	10.82971	2.400549	32.51561
TCGA-AD-	3.003048	3.670748	17.70181	3.972979	25.79884	48.05789	5.669931	57.30632
TCGA-D5-	1.378694	0.211024	8.337108	0.535942	4.517989	6.208115	0.587667	11.69703
TCGA-AA-	2.086555	8.278056	10.85614	2.245279	20.40479	22.88618	9.177424	16.7538
TCGA-AA-	1.685994	1.896258	25.16205	3.512432	32.90137	63.6472	12.78391	135.4078
TCGA-AA-	2.621736	3.248138	18.90413	3.436051	29.17779	43.44249	12.34017	107.2116

TCGA-A6-	1.158185	6.498768	20.02423	5.54505	33.40958	54.32566	19.06957	45.49932
TCGA-D5-	0.243984	8.854987	8.189473	0.657017	8.47133	16.06418	3.089235	71.87056
TCGA-AA-	3.90079	18.2958	27.17139	3.732512	46.80136	46.74202	16.60207	41.44875
TCGA-CA-	1.934055	0.523101	15.58908	0.928683	12.94934	31.14402	4.883679	65.25657

IFNG	KIR2DL4	CIITA	ULBP2	PI3	CXCL13	S100A8	PGLYRP3	UMODL1
0.070149	0.842517	1.464671	0.088671	120.4468	1.516565	0.64548	0	0.129136
0.052722	0.707713	4.452864	0.111072	74.4174	55.56977	0.489383	0	0.111761
0.012607	1.451782	4.092653	0.04553	5.535266	2.285551	3.983763	0	0.168783
0.142914	0.605807	1.710715	0.064518	143.5991	6.446986	3.186644	0.012366	0.037869
0.042297	1.389552	1.292319	0.057285	47.58942	20.6288	1.126636	0	0.067247
0.081369	0.718588	0.73299	0.146935	23.15947	5.517523	4.137695	0	0.072626
0.086167	1.004465	0.773737	0.012967	135.782	0.928989	1.582269	0	0.067295
0.036231	1.194539	1.176625	0.054521	13.35873	7.956295	1.052796	0.01254	0.1051
0.030961	0.492155	1.51618	0.181701	898.7654	20.21213	17.16816	0	0.03886
0.366431	0.595429	1.206293	0.066169	99.82091	18.94724	2.373532	0	0.067456
0.579097	0.17729	3.997195	0.174287	155.3705	0.805071	27.57792	0	0.012922
0.064696	0.982714	1.169304	0.175241	181.2263	0.165199	11.67117	0.016795	0.037895
0.150753	0.966749	3.340465	0.062822	114.1455	84.79556	2.19026	0	0.036873
0	0.302363	1.18873	0.140514	9.362716	14.9186	4.498609	0	0.048834
0.104404	1.032651	1.484614	0.031422	95.30537	21.31736	0.477531	0	0.071831
0.035198	0.621678	2.582494	0.079449	53.31003	8.38844	0.916227	0.036548	0.111919
0.037607	0.996352	1.776942	0	72.6777	4.353293	1.479803	0	0.132168
0.038997	0.192861	1.011936	0.088026	52.80859	15.10273	38.24466	0	0.055474
0.066725	0.636407	1.346676	0.090369	16.97264	13.20449	6.422548	0	0.055834
0.078361	0.874717	2.150049	0.084902	164.1237	24.95813	1.555943	0	0.057702
0.029412	0.706512	1.850452	0.013278	80.12358	14.55755	5.53746	0	0.15013
0.201099	0.529556	1.461716	0.049519	40.48227	11.60819	4.426874	0	0.039774
0.077211	0.272748	0.814041	0.10457	27.46327	9.496343	22.13198	0	0.006461
1.347171	1.396756	6.065283	0.063187	52.48046	7.177725	3.240954	0.018167	0.055632
0.038839	0.164637	0.727036	0.105202	136.5064	0.429752	1.951482	0.020164	0.025999
0.056829	0.281048	0.59793	0.141104	58.6914	7.352303	13.43422	0	0.061819
0.041518	1.275949	0.43415	0.131201	22.17309	2.190955	22.31857	0	0.034741
0.293731	1.136417	2.515971	0.101031	40.39126	9.702756	2.811171	0	0.032771
0	0.408477	0.87259	0.223726	20.39936	6.46777	2.250044	0	0.120949
0.132587	0.983557	0.831873	0.071827	18.69597	1.309079	5.730831	0	0.064348
0.048721	0.937979	1.231754	0.021995	114.6991	37.30141	2.978909	0	0.067268
0.078923	1.070563	0.868083	0.042755	21.22472	3.909595	2.293304	0	0.095097
0.903613	1.702399	5.349927	0.050992	86.98783	69.20415	1.777809	0	0.040956
0	0.498133	1.456385	0.047745	45.20882	10.75727	0.661586	0.036606	0.106197
0.258903	3.378528	4.886448	0.082504	44.26835	4.666573	3.245263	0	0.028036
0.161157	1.4964	1.208674	0.06236	62.98344	5.094844	0.83622	0	0.088616
0	0.059527	0.449598	0.06086	7.078767	0.803209	1.877026	0	0.016921
0.064111	0.498237	1.259889	0.03859	16.82646	7.675956	9.05586	0	0.057223
0.082837	1.392875	0.988139	0.074793	105.8268	6.726379	1.48435	0	0.05268
0.164506	0.79419	0.991081	0.099021	47.45867	7.211015	7.56858	0	0.022942
1.300553	0.431575	2.784753	0.106751	456.7283	12.24375	28.10468	0	0.009893
0	1.070189	0.972861	0.025805	9.562588	5.59513	1.868606	0	0.098054
0.206208	0.072843	1.135835	0.297894	12.79749	2.86089	3.295559	0	0.117333
0.139989	0.012363	0.337352	1.595739	16.54835	0.327669	0.16949	0.03634	0.064426
1.853715	2.241504	10.86413	15.32081	341.1118	11.53004	2.546483	0.111048	0.029829
1.427937	0.166506	4.097336	0.250344	72.25441	7.209758	14.28403	0.028791	0.051042
0.604563	0.133476	6.682866	0.341159	2.951173	4.148765	1.418184	0	0.050588
0	0.065541	0.06587	1.382054	4.601984	0.059221	2.864147	0	0.128084
0.388598	0.078441	2.455815	0.200493	155.7397	1.46478	2.486875	0.057644	0.325167
0.045108	0.270881	0.320282	7.839979	62.60601	7.409925	0.436906	0	0.052842
0.13158	0	0.277451	0.475211	8.832619	0.078396	0.908061	0.09564	0.1079
0.20176	0.342103	2.486613	2.113144	495.6619	6.800464	19.15142	1.634104	0.033765
0	0.049054	1.288377	5.968111	1096.321	1.004665	5.783655	0.273967	0.013944
1.579521	0.706753	20.3823	1.901514	54.90382	7.394278	4.525972	0.109341	0.035245
0.46186	0.533949	2.919834	0.530739	29.15981	16.11764	2.262177	0	0.463763
0.127535	0.202731	0.850666	0.2303	46.64151	0.244241	6.25363	0.033107	0.112053

0.263943	0.776979	1.404632	3.296649	168.356	1.984462	5.113047	0.365425	0.044172
0.385606	0	1.104236	1.645849	201.6459	3.192587	22.66428	0.1092	0.064533
0.408851	0.064189	1.581506	1.825232	5.418046	11.87049	0.632514	0.165097	0.095032
0.335891	0.027918	0.744823	0.624385	607.312	0.992222	5.430307	0.615488	0.042986
0.373574	0.101511	0.398189	0.778377	18.62273	3.081852	0.974184	0.029839	0.211603
0.4787	0.563667	2.28429	7.44369	182.7878	1.629789	6.82616	0.055229	0
0.72369	0	1.435829	1.478778	149.8707	1.815494	2.490246	0	0.025497
0.077566	0.02192	0.311091	2.297109	26.06675	0.290491	0.093912	0.016108	0.451738
0.281554	1.179293	4.846422	2.651075	82.35822	24.22132	3.968905	0.020883	0.013463
0.127968	0	1.223614	1.039869	278.8009	1.82986	11.961	0.132877	0.05354
0	0.027974	0.165277	1.233375	652.4403	0.202209	21.71642	0.76061	0.013253
1.641992	0.488447	4.767657	1.521554	5.655235	22.03038	5.964055	0	0
0	0.152483	0.349219	0.545637	64.05712	5.768301	6.532809	0.313753	0.845204
0.014626	0.010333	0.672182	1.505415	142.2657	0.535294	1.859323	1.807226	0.102802
0	0.061055	0.576426	0.507179	68.59171	4.59727	1.569469	0	0.144626
0.708887	0.707049	2.40813	0.188249	11.70715	7.91481	9.491507	0	0.041871
0.042363	0.389083	0.401062	0.650239	212.8323	0.540864	1.179685	0	0.701875
1.556327	0.62632	3.579245	5.211667	8.73302	21.39597	22.51619	0.020456	0
2.99426	1.018543	5.405394	0.75097	3.862613	22.30789	10.98766	0.191922	0.015466
0	0	0.430855	1.03314	45.2894	0.121742	0.692697	0	0.223412
0.733863	0.382032	3.709836	0.697471	43.37547	12.29533	11.6442	0.401061	0.038784
2.050529	0.787333	1.361965	0.442727	101.2493	15.06282	9.714713	0	0.02238
0.381546	0.512165	5.06361	5.339658	405.2831	6.949729	27.57846	0	0.012771
0.063728	0.05628	0.963958	0.503474	394.3618	0.474623	0.250765	0.231607	0.125316
0.065487	0.231331	0.918694	0.23651	47.76097	2.647615	3.448992	2.107971	0.186311
0.068225	0	0.378731	0.277198	5.184604	1.306567	1.61074	0.035421	0.171265
0.149156	0	0.333768	0.942704	52.89597	0.571297	16.79477	0	0.187214
1.351209	0.651569	4.518796	4.918707	27.6627	16.4663	34.7446	0	0.017947
0.362935	0.153848	1.421249	0.75369	72.70545	3.120027	5.1412	0.075372	0.018222
0.096208	0.067971	0.246041	0.608058	172.0442	2.421541	0.249606	0	0.027601
0	0.16738	0.407806	0.40108	7.314108	0	0.143421	0.030751	0.009912
0	0	0.430579	1.873903	84.16325	0.892559	12.19378	0	0.036561
2.235522	0.134826	8.782423	0.910756	101.6312	22.60121	10.00131	0.254775	0.01825
0	0.011576	0.41881	0.325454	11.93223	0.41837	9.14495	0	0.01371
0.052774	0.012428	0.482964	0.349424	24.47101	0.553993	0.851931	0.018266	0.079487
0.050997	0.024019	0.364294	0.659974	1.901824	1.982218	1.831734	0	0.207674
0.380737	0.119551	1.321658	0.19098	13.48439	4.212855	0.819506	0.043927	0.056638
0.427687	0.161152	1.206111	0.386154	2.708435	3.385449	5.109112	0	0.073961
1.072425	0.392863	6.436992	2.438638	2504.687	16.66701	4.039539	0.082486	0
0	0	0.316874	0.755509	38.94792	0.747827	1.418344	0	0.07702
0.090988	0.398551	1.843395	4.830534	6.453469	1.022266	0.55081	0	0.042636
0.047833	0.067588	1.860797	0.475072	279.8955	0	0.579136	0	0.232148
0.194267	0.088232	1.703024	0.714138	1.786789	0.377946	1.394438	0.360215	0.078956
0.054604	0	0.211477	0	92.21103	0.975997	1.718874	0	0.018276
0.152387	0.095699	0.492551	1.605202	27.91436	1.916746	1.742502	0	0.875586
0	0.011889	0.130353	2.780577	0.888096	0.028647	0.346375	0	0.763226
0.460875	1.089529	2.424169	28.07207	46.36095	4.888349	28.3291	0	0.017799
0.767377	0.206533	1.270575	0.791837	5.052452	5.722884	1.769696	0.018972	0.064212
0.028662	0.070873	0.781976	0.54345	74.23707	0.158572	1.544238	2.113063	0.062357
0.232477	0.016424	0.666275	0.209901	1.030554	2.503099	0.971065	0	0.383223
0.052111	0.220897	0.444907	0.366993	132.046	0.239513	1.034716	0	0.70814
1.263014	0.797675	8.342054	0.933025	130.5994	7.117921	5.16676	0.55638	0.041633
0.501743	1.463657	2.831955	0.423792	417.6762	5.813525	3.919212	0.016806	0.027087
0.030035	0.02122	0.204216	0.21695	4.247954	0.230083	0.727299	0.187126	0.316672
0.052666	0.009302	0.516734	0.844046	176.8225	0.493098	0.685473	0	0.149836
0.270102	0.027261	0.71732	1.532914	86.58338	3.054361	4.625027	0.120199	0.200183
0.092883	0.39373	3.653279	1.006361	593.3044	0.316231	1.349484	0.771572	0.031089
1.573547	0.682183	10.508	4.262226	91.11836	15.76756	6.581427	1.782451	0

0.018551	0	0.957972	0.552741	1.997164	3.600101	1.4824	0	0.288729
0.937915	0.342742	1.631145	15.12622	18.84282	8.671288	31.32598	0	0
0	0.209968	0.305114	0.364171	183.8607	2.186296	0.873865	0	0.138553
0	0	0.156543	0.370831	19.63103	0.174791	0.142076	0.060924	0.309306
0.170959	0.19627	0.595903	0.192946	0.27066	0.982206	0.388098	0	0.10729
0.089019	0	0.76359	0.321497	48.66897	1.793187	6.03557	0.061622	1.122286
0.045158	0.255233	1.333094	1.263963	40.41798	9.60915	17.11319	0	0.015115
0	0	0.27794	0.526951	27.10375	0.198702	7.301715	0	1.240435
0.043034	0.060807	0.850625	5.1418	191.4626	0.23198	1.806225	0.208529	1.190711
0.130033	0.183736	2.24201	1.330601	270.281	2.840743	5.037954	1.800292	0.007254
0.080782	0.034243	0.264198	0.466801	90.0372	0.481307	0.684643	0.016776	0.067596
0.037805	0.053418	0.304218	0.2048	33.19777	0.241331	1.190054	0.039255	0.015817
1.127434	0.698494	3.763399	0.360198	2.526379	14.27618	11.61321	0.036021	0.005806
0.172686	1.291185	2.483239	1.806029	3.979399	6.736666	154.6818	0	0.077065
0.910614	0.70768	1.014924	0.452202	36.52239	14.88137	168.6844	0	0
0	0.114682	0.47733	0.219843	25.29943	0.644765	0.622355	0.028092	1.208877
0.16867	0.134061	0.896407	5.235002	182.7424	1.650989	4.518262	0	0.077626
2.058086	0.078596	2.834086	1.858227	20.54808	3.976937	31.71991	0	0.074471
0.355836	0.153631	5.401945	6.407768	119.4313	86.70513	3.757733	0.020527	0.109176
0.098364	0	0.563817	0.479583	0.49833	0.066978	0.333458	0	1.195105
0.282872	0.074943	0.894698	1.436638	74.71454	2.016425	4.966002	0	0.076927
0.189684	0.089341	0.604035	2.34061	202.3395	0	0.995182	0.065654	0.22221
0.080593	0.056939	0.915591	1.673637	149.8806	1.234748	2.829733	0	0.269751
0	0.012707	0.611445	3.231611	454.9163	2.265688	0.152433	0.298813	0.10234
0	0.022451	0.206489	0.043038	2.582577	0	0.230846	0.016498	0.130293
0.244613	0.478573	1.302029	1.579987	2.542065	15.83942	3.234989	0.039076	0.003149
0.321075	0.264644	0.766829	0.410685	23.32632	3.211082	3.109891	0.027783	0.013433
0.027092	0.00957	0.258817	1.296437	187.0076	0.092238	0.442816	0	0.061208
2.286068	0.981907	5.238517	2.52145	1041.502	25.95866	585.2062	5.260057	0.021738
0.166162	0	0.386122	1.912832	56.03296	0.247501	5.280923	0	0.180751
0.073088	0.077455	1.267514	0.329954	19.82544	0.622094	0.929152	0.834815	0.103969
0.217466	0.059092	2.411531	1.525476	65.115	0.996677	0.648109	0.01737	0.072788
0.085683	0.036321	2.010244	1.067598	231.6213	5.615544	14.95919	0.373673	0.13479
0	0.077577	0.478821	0.495709	1.622524	0.124614	0.17726	0	0.073505
0.169516	1.586849	0.466863	5.930846	3.444148	7.502752	5.387511	0	0.024823
0.014112	0	0.502836	0.649833	44.29743	0.468456	2.135775	0.014654	0.151151
0	0.049583	0.259729	0.253465	100.2959	0.029868	0.127457	0	3.106589
0.09881	0.418855	0.453555	2.43854	39.28263	3.588379	4.067524	0	0.181899
0.098794	0.104697	0.47474	0.535203	48.62619	0.798847	2.890669	0.017097	0.126758
0	0.014398	0.122777	1.288022	40.65307	0.884643	1.579135	0	0.73668
0.530147	1.04561	2.889735	5.444812	330.5066	33.7863	5.643086	0	0.003697
0.45325	0.101888	2.540916	1.953167	22.09276	1.753567	4.938889	0.021393	0.075853
0.037426	0.211532	0.698981	0.270334	94.48844	0.923808	1.631277	0.272034	0.263064
1.152824	1.123402	6.777649	6.998985	501.053	4.466288	12.80254	0.041278	0
0.23872	0.309201	1.21219	4.167073	14.94959	1.219124	6.64762	0	0.146486
2.069266	0.202421	3.244025	0.632355	26.94753	29.50792	3.546012	0.132225	0
0.137136	0.924821	0.724255	0.697887	79.2656	5.167672	6.007457	0	0.0459
0.167532	0.02959	0.223491	0.340342	46.85818	0.178244	1.36915	0	0.091121
0	0.102801	0.525976	0.65689	163.2021	0.330266	2.877473	0	0.073054
0.129309	0.56641	1.117358	25.59205	460.649	3.301855	2.035269	0	0.012984
0.215231	0.011697	2.265625	4.20052	246.1797	6.270888	6.414469	0	0.094205
0.986172	0.334429	6.457324	2.315055	88.34855	16.51906	13.56376	0	0.019805
1.377066	0.636122	2.694004	0.191283	135.3932	17.49124	7.887434	1.704874	0.026591
0.220228	0.424337	2.212453	13.84662	268.8292	1.687028	7.829452	0.103944	0.013402
0.410333	0.695757	0.766347	14.04142	1024.431	14.45921	8.892807	0.085215	0.020601
2.823498	1.22181	13.9607	3.696501	22.79767	28.41819	14.74232	0	0.005907
0.035185	0.174005	0.508737	0.349448	146.539	1.736962	3.237559	0.036535	0.047106
0	0	0.664548	0.387311	28.97651	0.182559	0.77905	0	1.722944

0.07918	0.13985	0.398656	0.357453	14.0399	0.707636	1.91731	0.123326	0.019876
0	0.232909	1.049803	1.53788	41.8701	1.215924	2.660937	0	0.119537
0.137042	0.124483	2.053947	0.494936	9.794354	2.049598	1.848842	0.020329	0.062251
0	2.895116	3.083534	0	153.4814	4.384093	0.999173	0.088647	0
0.282978	0.085681	1.015938	1.67899	88.66289	1.410738	2.153559	0	0.196195
0.154054	0.380934	1.640765	17.59533	272.4316	1.802943	6.668021	0.039991	0.012891
4.880764	1.663626	15.98829	1.778182	90.55703	32.94269	9.797022	0	0.007165
0.041169	0.174513	1.176342	2.044392	263.7523	14.78721	171.2151	0	0.00689
0.037033	0.026164	0.133865	5.41674	109.5991	0.094562	18.38319	0	0.33467
0.2403	0.169771	2.447316	0.361608	152.0914	8.863049	2.909395	0.166346	0.100538
0.142507	0.100681	0.35875	0.353838	94.00647	0.788419	2.890017	0.073987	0.316
0	0.103733	0.758204	0.530275	63.22768	1.124749	0	0	0.540584
0.520354	0.051059	2.133487	0.19576	50.61907	1.267188	10.32518	0.030018	0.162071
0.129892	0.027531	1.169349	0.433931	23.11438	0.486456	6.699495	0	0.236944
0.267899	0.054077	1.745737	2.07329	19.95455	0.651495	2.502168	0	0.038429
0.130003	0.169563	0.640341	1.327277	18.85088	3.804731	7.240345	0.051919	0.041839
0.1545	0.090962	0.589507	1.162474	1530.237	0.175338	0.249412	0.133689	0.017237
1.173564	0.452247	7.015149	0.3532	50.52186	8.445097	4.21957	2.252537	0.011903
1.083296	0.433695	3.558449	4.597061	570.0866	4.948338	5.421217	0	0.060431
0	0.069936	0.326587	0.23834	61.7826	0.168512	0.639205	0	0.844885
0.066121	0.035036	1.361519	2.671595	497.4522	0.239188	4.923417	0.017165	0.011066
0.834592	0.181427	2.878711	1.80851	162.0815	4.163835	7.073292	0	0.03653
0.705695	0.455836	2.261115	1.765858	1076.899	1.287116	12.10821	0.376852	0.030369
0.264048	0.293148	3.269215	0.17029	162.4773	6.341023	1.621296	0.039168	0.154663
0.151695	0.348308	1.153797	0.787542	67.32526	16.02645	6.313389	0.019689	0.0952
0.149843	0.176439	0.87265	0.992139	50.8198	2.763347	1.753726	0.311182	0.117025
1.881634	1.285055	5.833578	9.136361	154.7305	6.833314	6.429476	0	0.003499
0.469602	0.171606	1.421547	0.731033	196.1047	9.289647	11.72417	0.201773	0.165309
0.905124	0.648734	2.254584	0.532975	32.34247	12.21473	1.953499	0.040863	0.006586
0.498301	0.204415	3.645359	0.304779	27.31478	1.682841	9.57513	0.083454	1.96645
0.03365	0	0.567632	2.871099	63.67997	1.875988	12.03893	0.052411	0.030973
0.061443	0	0.57641	0.554768	169.6504	0.47068	6.844045	0	0.380463
0.411755	0	2.898037	0.764194	4.345909	1.713393	4.098998	0	0.030626
0.082989	0.102605	1.914191	0.393383	16.42343	4.061594	2.361229	0.086173	0.100692
0.185869	0.093797	2.161869	0.28769	230.8164	5.356299	2.314678	0	0.022218
0.035555	0.276314	0.654853	1.187784	30.17158	2.133523	6.0482	0.258433	0.083304
0.306094	0.108127	1.169682	0.580377	47.26517	2.449012	9.116746	0.031784	0.199782
0.407658	0.403213	0.343836	3.68071	59.03259	17.21019	30.20626	0	0
0.186026	0.219044	0.445623	2.911322	16.16553	3.245894	1.651671	0.064387	0.295755
0.090657	0	0.25436	0.147336	1.798872	0.046298	1.800089	0	0.661489
0.065673	0	0.39	0.237182	134.2864	1.024791	1.696267	0.068192	0.377344
0	0.230283	0.613662	0.478234	93.14542	1.248452	1.430569	0.042307	0.15001
0.019929	0.01408	0.255567	0.305895	19.73026	0.339255	0.723868	0	0.106727
0.405259	0.087139	1.231374	0.699991	101.28	3.269404	18.98645	0	0.392185
0.355924	0.377188	1.488242	1.673751	180.0677	1.691445	1.095279	0	0.332572
0.04635	0.032746	0.809797	0.083698	18.58984	0.236706	0.561177	0	1.132501
0.022597	0.03193	2.228803	0.530477	178.8794	46.10343	0.683985	0.258107	0.06429
0.083319	0.029432	0.466111	0.827512	22.42476	0.88647	1.36185	0.043258	0.020916
0.50938	0.296368	0.372641	1.09568	0.885509	1.836257	0.52603	0	0.07271
0.131503	0.023227	0.481008	0.267148	78.28072	1.119288	4.696838	0.034137	0.066022
0.155741	0.031437	1.619966	1.446352	174.1945	3.692737	8.377527	0.207921	0.052128
0.131059	0	0.307371	1.064987	592.6631	0.390429	15.31239	1.258802	0.01645
1.75267	0.77391	5.954589	0.435179	22.84592	19.9527	12.20161	0	0.014666
0	0	0.212676	0.495805	17.20642	0.175273	3.843674	0.017819	0.037334
0.074774	0	0.580803	0.337565	699.1626	0.525066	0.294228	0.038821	0.406697
0	0.028816	0.214131	5.339783	11.19271	2.499542	0.592585	0	0.027303
1.362243	0.740323	11.87754	6.90668	166.1202	2.586525	2.91802	0.108808	0.035073
0.593742	0.396172	4.235684	8.845391	301.9855	6.6259	21.9653	0	0.00552

0	0.019422	0.508695	0.645355	140.6676	0.070197	0.299559	0.884914	0.027604
0.279867	0.47454	1.180259	0.404303	56.71454	0.666987	5.285981	0	0.365327
0.102376	0.024109	0.54922	2.125981	6.879387	0.726144	1.32213	0	0.371213
0	0.046928	2.23525	0.059973	616.8014	0.339218	0.241263	5.724628	0.077813
0.249745	0.040718	1.096217	2.966094	34.87574	7.063905	9.815563	0.239378	0.064301
0.130934	0.046252	21.5151	0.147773	0.414585	100.8573	7.173299	0	0.076693
0.460873	0.494437	4.317637	0.95553	17.83585	11.57932	3.5753	1.222969	0.02571
0.074141	0.117856	1.225152	2.142124	64.44132	5.884585	4.757563	0.038493	0.068243
0.435856	0.500387	1.976423	0.073787	18.57363	2.991026	0.758578	0	0.159561
0	0.74343	0.454635	1.387133	297.7836	9.243095	1.605277	0	0.01761
1.344651	2.111091	1.491607	0.269794	393.7558	6.803437	4.612713	0	0.043756
0.079793	0.056373	0.782883	0.396242	238.168	1.052693	2.705016	0	0.433991
0.041708	0.058933	1.017652	1.638103	143.9481	7.348432	3.534793	0.281501	0.080269
0.060682	0.05359	0.708972	1.177969	57.00218	0.942607	4.72044	0.094515	1.77211
0.92562	0.326974	1.832272	1.253601	78.64479	5.317947	3.782297	0.240282	0.077453
0	0.091462	0.137881	0.935095	85.19386	0.123963	0.881662	0.016803	0.197696
0	0	0.686318	0.334883	142.5735	0.757664	13.02281	0	0.341394
0.176223	0.135819	1.018928	0.969125	194.5857	7.186011	6.478365	0.016635	0.112604
0.092768	0.09831	0.726555	0.879472	170.5639	0.986995	3.088726	0	1.389491
0.119523	0.063332	1.242135	0.242812	8.736017	1.525988	7.470705	0.031027	0.127517
0.50045	0.390142	2.854604	1.028353	41.78283	13.67478	4.136923	0.017919	0.236817
0	0.057929	0.222292	3.368449	37.99175	0	0.496367	0.08514	0.67238
0.148977	0.070168	0.21156	2.040068	13.88946	1.437092	1.893903	0	0.103883
1.462725	2.680052	13.31808	0.667597	2.137633	14.58432	6.714128	0.016691	0.04304
0.428097	0.302449	0.639754	1.370408	273.2396	5.664396	5.183127	0.161644	0.16934
1.428237	0.49251	6.718277	2.011073	1.040856	5.745387	5.414099	0	0.022764
0.169802	0.079977	0.623537	0.970983	44.80488	0	0.548229	0.058772	1.117738
0.339993	0.080068	3.468728	1.048836	28.70788	2.278914	3.87629	0.01471	0.113798
0.256021	0.081395	1.405805	0.323622	9.944069	0.501199	1.875338	0	0.26993
0.109378	0.48941	0.850369	0.164594	3.386359	0.268948	0.191285	0.025239	0.256267
0.258384	0.422141	8.724238	2.332928	460.4094	24.6178	6.686846	0.788121	0.045944
0.376984	0.190241	2.933984	0.875251	767.7021	4.904739	9.715387	0.726971	0.081115
0.032816	0	0.505553	2.370335	24.17583	1.089323	0.834359	0.102225	2.581175
1.996557	0.1216	5.972741	3.092517	406.2699	9.522363	1.854655	0.017872	0
0.460349	0.146356	0.954846	0.509165	29.85727	4.329689	0.836041	0.01195	1.348218
0.322217	0.142278	5.133845	0.569731	105.3985	14.5127	11.96366	0	0.047184
0.110149	0.164286	0.198027	0.519361	16.04351	0.479183	1.511422	0	0.026627
0.533882	0.546269	0.777962	3.706702	1069.972	25.60396	3.477134	0.229392	0.015405
0.233163	0	0.969921	1.368386	45.19931	3.506083	7.551497	0	0.087797
0.161462	0	0.979691	0.291565	41.75206	1.649147	2.052622	0	0.108085
0.178202	0.107914	1.854692	1.873305	43.71641	2.719361	3.405862	0.013217	0.136333
0.118318	0.401237	0.615058	0.448677	10.58978	2.920487	2.03417	0.024571	0.071283
0.190062	0.111899	0.433482	4.776347	11.70183	0.620126	23.74018	0	0.026506
0.083479	0.101104	1.963465	1.022911	68.01985	23.31565	1.905909	0.012383	0.023949
0.410909	0.476931	5.590218	0.159003	64.24925	8.119118	2.949479	0.09143	0.02456
0.027432	0.019381	0.55365	0.408679	0.492213	2.043047	2.37475	0	0.149204
0	0	0.074818	0.436052	4.893453	0	0.444391	0.020059	1.115365
0.238815	0.120516	2.683729	1.170528	17.78818	2.381138	7.063313	0.07085	0.062805
0.157289	0.037041	0.351966	0.28403	297.2722	0.580133	2.983486	0.163323	0.06142
1.269097	0.33623	2.402962	0.71616	171.7883	13.70498	6.434263	0	0.026549
0	0.170015	1.26339	0.977746	243.5781	0.102413	1.456792	0	0.382593
0.534212	0.148981	1.214766	1.167758	88.67101	1.962371	1.753138	0	0.359962
0.744809	0.631446	3.455121	0.302617	109.3487	3.645193	3.156184	0	0
0.191634	0	0.558015	2.076292	15.97866	0.462144	1.04408	0.033164	0.427608
0.516601	0.126338	2.211107	1.991315	58.04827	11.92281	5.292413	0.309473	0.056528
0.392679	0.20807	2.420649	2.614779	108.0696	3.425857	5.526879	0	0.073931
0.056706	0.507458	1.138765	0.870386	85.8658	0.4183	1.281574	0	0.107553
0.3399	0.120069	1.078728	0.191808	60.53908	6.039274	1.543232	0	0.056883

0.096725	0.125283	0.330214	1.208098	62.88719	1.12515	7.69014	0.050218	0.539578
0.03418	0	0.244161	1.651044	378.539	0.029092	0.744889	0.017746	0.065781
0.263979	0.087765	1.440681	1.794589	64.77062	1.718188	7.764599	0	0.025987
0.101486	0.100379	1.821997	1.337803	3.042031	19.03808	1.990527	0	0.016984
0.046495	0.098545	0.708285	1.091475	378.2582	1.820416	1.913962	0.048279	0.116716
0.266372	0.352858	1.762394	1.382903	1019.923	5.583061	2.297855	0.172869	0.011145
0.496005	0.02503	4.226203	0.255908	121.7541	0.753885	0.815006	0.993278	0.029646
0	0.046331	1.309411	0.651308	26.16326	0.055817	1.429159	0.204282	0.021949
0.77917	0.070061	3.157901	3.517526	111.6645	5.172902	1.183498	0.058841	0.045046
0.395403	0.279351	1.182563	0.28263	133.0941	2.524115	3.211472	0.017107	0.08823
0.433527	0.760041	3.030541	3.044435	20.23475	5.562297	6.026472	0	0.021497
0.191692	0.162516	0.669822	0.588462	66.11918	5.025304	3.017148	0.238855	0.109073
0.588324	0.02771	2.491216	2.514313	2162.405	11.61749	11.68181	0	0.013128
0.840641	0.39594	7.12248	0.801174	1.774525	52.0934	12.01562	0	0.019539
0.073852	0.156528	0.842181	9.385203	541.7731	1.084318	6.124912	0.038342	0.083426
0.161618	0.06851	0.581428	1.955376	1949.608	1.471911	5.1463	0.3692	0.05139
0.471563	0.145756	1.222632	5.481783	35.64884	4.565605	3.568359	0	0.123309
0	0.160412	1.117115	4.749244	15.09759	2.705586	1.466134	0	0.101328
0.407	1.031193	5.111774	2.863784	68.28715	17.09401	0.849603	0.597489	0.232524
0	0.335579	0.330759	0.155951	40.28896	0.294029	1.254738	0.089675	0.108397
0	0.11302	0.35453	0.7583	177.9625	0.544646	3.873698	0.913605	0.046851
0.298015	0.035091	2.217196	1.270631	280.2572	1.62058	5.271936	0	0.049874
0.073062	0.051618	0.372572	0.494753	89.56798	0.544136	1.415342	0.075865	0.042795
0.200386	0.028314	0.496695	0.542781	9.813583	0.818685	1.067505	0.166459	0.060364
0.31093	0.164753	0.822881	0.70184	24.69509	1.124758	2.117554	0	0.149601
0.07921	0.279808	1.085305	0.157339	2.67529	2.359691	0.671316	0	0.103397
0.843704	0.187004	1.255792	0.298734	277.101	8.448481	6.870102	0	0.268551
1.030804	0.571404	1.61601	0.859111	28.01946	2.524132	2.457661	0	0.382173
0.172289	0.256968	2.896429	5.35811	460.7519	1.156859	5.006309	0.059633	0.032037
0.187476	0.099339	1.210144	1.26953	3.363851	8.337585	1.532143	0	0.007844
0	0	0.106437	0.340657	36.06111	0.017841	0.507562	0	0.087697
0.01631	0	0.61622	0.647933	215.6233	0.152701	3.19894	0.101611	0.693283
0	0	0.12664	0.253057	19.91838	0.178917	0.282781	0.012126	0.214981
0	0.044082	0.40276	1.002791	6.085111	0.031865	0.710121	0.129579	0.041769
0.264003	0.559552	0.640749	6.912614	1112.497	1.408164	2.748886	0.219305	0.011782
0.159212	0.128552	2.441031	1.355366	8.594129	3.291046	16.57766	0.212554	0.072321
0.289887	0.226363	0.938881	0.371941	558.3681	0.545421	7.204255	0.158425	0.040854
0.045547	0.016089	0.125441	0.555175	43.65042	0.290757	2.371259	0.047294	0.365879
0.080958	0.085795	0.355355	0.950257	28.88154	0.103362	1.764347	0.252193	0.04742
0.564785	0.082556	7.473986	8.879981	0.328887	8.437442	5.022434	0	1.518821
0.123627	0.116456	0.585203	0.855768	312.1164	0.210451	3.891676	0.21395	0.144826
0.190284	0.107548	0.55354	0.171806	265.9087	1.036551	0.737229	0	0.089165
0.605782	0.047554	2.957325	0.303864	0.781462	0.888	0.325974	0.104837	0.270346
0.2431	0.101029	1.666421	0.296961	1457.479	1.983956	6.83885	1.796683	0.241709
0.152325	0.071745	1.254185	0.733509	214.7927	3.025214	8.422097	1.528965	0.067979
0.494673	0.087371	0.617327	0.781612	235.7313	1.89469	1.946483	0	0.082785
0.112864	0.265794	1.334017	1.256817	98.31662	1.889272	5.056	0	0.006296
0.172528	0.525067	3.945197	1.13835	105.3359	18.18656	8.692876	0	0.055525
0.203425	0.239531	5.310714	0.36734	179.2082	17.48769	6.075235	0.528071	0.096458
0.683162	0.146894	5.79915	0.616821	5.8938	16.19283	27.00756	0	0.298252
0	0	0.132842	0.224775	83.6619	0.169516	2.411307	0	0.03333
0.321344	0.088289	3.735183	0.419089	5.991921	1.686662	1.642708	0	0.032864
0	0.069074	0.403901	0.706203	34.05332	1.331471	6.037033	0.609123	0.507225
1.467999	0.921899	2.640749	0.359997	15.57064	15.10188	4.80545	0.018819	0.027297
0	0.021586	0.165662	0.234481	1.12866	0.182037	0.203454	0.015863	1.907207
0.544729	1.008569	4.636506	2.934024	214.9082	12.77429	3.411322	0	0.003144
0.058842	0.041572	0.825476	0.371895	36.89055	4.006682	1.496084	0	0.009847
0.090598	0.144015	0.46784	0.961146	83.52579	3.065215	2.303482	0	0.08339

0.463329	0.013639	6.014736	0.313752	360.4523	2.59623	3.319068	1.323036	0.051693
4.685577	3.543294	30.58107	1.566876	17.87683	71.94905	20.14964	0	0.02033
0.097071	0.06858	0.556408	0.368107	22.74489	2.610864	4.160466	0.161272	0.103969
0	0	0.26155	0.102002	7.845857	1.913523	0.20517	0	0.122891
0.297782	0.736337	1.223774	0.302473	314.7683	2.788039	2.433614	0	0.143275
0.155256	0.027422	0.477698	1.682149	185.6604	4.129577	1.221829	0	0.058461
0	0	0.13118	2.054569	5.709809	0.036544	0.935689	0	0.017963
0.032307	0.022825	0.650636	1.808504	248.6455	1.512386	3.794141	0.16773	0.313585
0	0	0.452159	0.140432	7.514958	0.132385	1.297266	0	0.211128
0.111113	0	1.128433	0.70226	96.9474	0.252197	3.766792	0	0.123968
0.020592	0.189123	0.373941	0.464801	1.086683	0.10516	4.836625	0	0
4.455418	0.492154	4.732648	0.720689	1.256046	26.18747	8.767988	0.090417	0
0.190194	0.080623	0.73334	0.755589	109.6054	1.424584	3.868621	0.078996	0.50291
0.031979	0.022593	0.879355	3.190521	328.5802	5.906515	3.5427	0.083014	0.04549
0.299991	0	0.438921	0.625059	16.2698	2.081986	6.45395	0.047923	0.216266
1.090797	0	1.855697	0.525265	65.93067	9.593834	12.32623	0.755096	0.08519
0.225859	0.073647	0.311019	0.313733	10.04885	0.709812	3.155258	0	0.235513
0.143936	0.10169	0.796958	1.646144	76.56708	2.654421	1.219881	0	0.096353
0.129997	0	1.040505	0.176059	174.2517	0.497911	1.967394	0.202476	0.489497
0.173443	0.024507	0.265709	0.50112	17.28105	4.635472	32.04501	0	0.011611
0.085188	0	0.725844	0.673011	72.33464	1.305146	1.598674	0.088456	1.660887
1.478372	0.232103	3.506083	0.630326	15.17018	7.025622	3.380954	0.255848	0.206176
0.010335	0.014603	0.119193	0.970476	40.46986	0.02639	0.187697	0	0.020755
0.019347	0.177692	0.203144	0.681262	40.3091	0.955103	0.515331	0	0.025902
0.041845	0.206944	1.030006	0.188908	107.9412	1.032881	2.178523	0	0.077032
0.147787	0.639516	2.434165	7.005353	99.36108	2.924597	14.96307	0	0.018549
0.044785	0.205664	0.549263	0.566108	333.578	0.552728	1.897812	0.302272	0.022485
0.017269	0.0122	0.485998	0.140325	167.6455	0.264568	2.885263	0	0.274546
0.403259	0.353277	4.096782	2.373926	38.03372	0.398153	5.019109	0.150743	0.048591
0	0.039348	0.146996	0.435811	97.81502	0.553051	8.38393	0	0.093206
0.226608	0.160098	0.483678	0.491045	235.3485	1.774477	6.694435	0.04706	0.394406
0.153981	0.483499	0.951234	0.540666	17.80508	4.994905	2.920747	0.035531	0.071581
0.359579	0.278235	2.858944	0.6184	34.15684	11.95077	43.45253	0.035559	0.05158
0.387675	0.030432	0.404093	0.466705	179.2188	0.073327	0.625829	0	0.050461
0.28455	0.263857	2.295936	3.275703	48.01545	23.09942	5.619903	0.240067	0.011905
0.308866	0.109106	0.594788	1.150348	183.6983	3.384735	1.963263	0.040089	0.064612
0.364168	0.171522	2.31187	2.442544	66.36694	11.69002	18.20333	0	1.044769
0.314545	0.091504	1.329686	1.737408	64.71831	5.79547	2.038562	0.1537	0.030965
0.076047	0.537268	0.906484	1.510563	11.47779	0.906184	2.854248	0	0.139994
0.248457	0	0.684274	0.852452	359.2633	0.803604	3.188643	0	0.099792
0.050863	0	0.309346	5.449601	50.2479	0.158738	6.342889	0.088024	0.224152
0.226042	0.226239	1.311552	0.306137	1.908624	1.346774	2.759576	0.058678	0.01261
0	0.031792	0.271106	0.270867	5.034528	0.817105	1.47104	0	1.380664
0.465196	0.281708	2.488034	1.950097	32.89666	4.044373	14.04049	0	0.111217
0.066572	0.08466	0.705885	0.769377	83.64273	1.835889	0.967218	0.304156	0.122552
0.134446	0.108555	0.390113	2.323745	12.60899	0.42504	3.302068	0	0.167143
0.464841	0.098523	0.948161	0.755461	174.8572	2.927815	1.463278	0	0.248937
0.199012	0.162232	1.404502	0.359372	27.40331	0.859978	2.909945	0.015896	0.094792
1.366661	0.386216	1.464399	12.18521	21.5647	15.16571	10.11414	0.372511	0.037166
0	0.025457	0.187619	0.3416	12.16983	0.276022	0.327193	0	0.138694
0.74215	0.20973	2.333513	0.402048	3.968764	1.263366	1.138159	0.154124	0.314644
0.219129	0.092888	0.927886	1.622367	239.6079	1.342889	10.45311	0.409564	0.022003
0.568693	0.059523	0.119643	0.380346	11.4711	10.5952	4.437236	0	0.853031
0.118759	0.047945	0.28181	0.291044	12.39132	0.447651	1.725435	0.017616	0.428728
0.092293	0.04347	0.305816	0.3611	27.79485	0.078556	5.978241	0.047917	0.144159
0.1494	0.392045	5.066128	24.33835	5001.831	2.47058	6.821905	0	0.003572
0.258114	0	0.774738	0.116524	147.9287	0.439389	2.812568	0.033502	0.23758
0.115889	0.054583	1.462858	0.20927	433.2426	1.117909	1.730497	0	0.413747

0.311235	0.785309	2.074051	0.642312	140.5025	6.584876	6.298337	0	0.037205
0.10769	0.266289	0.644152	0.826473	64.78742	1.099925	44.65645	0.503195	0.009011
0.070027	0.009895	0.532777	0.619619	479.796	1.001337	2.509599	0.101798	0.075003
0.082764	0.014618	1.15216	0.168135	3.79988	0.651611	2.379864	0	0.232001
0.267497	0.094493	0.801942	6.561306	133.2136	2.428594	1.052571	0.277759	0.115647
0.158784	0.11218	2.66484	5.644987	176.3886	4.307892	5.911551	0.041219	0.036538
0.116451	0.013712	0.268935	8.726821	91.6902	0.759901	0.587463	0.302296	0.029233
0.235366	0.04751	0.795808	0.182152	230.2494	1.001664	5.088684	0	0.264472
0.565423	0.216379	3.102295	0.999759	482.9449	0.882313	20.737	0.073389	0.023656
0.061807	0.043666	0.731425	0.251122	95.76457	0.973233	2.544284	0.096267	0.217216
0	0.081458	0.185234	0.763415	21.74248	0.032712	2.093942	0.039907	0.045023
0	0	0.130021	4.875332	18.59724	0.114581	3.47706	0	0.360462
0.014763	0.052151	0.461229	0.519852	5.702991	0.138223	0.554104	0	0.224831
0	0.069573	0.671674	0.333423	16.78586	0.398135	3.725879	0	0.074161
0.379591	0.187726	1.078101	0.719732	139.3837	11.04968	10.24873	0	0.053997
0	0.050789	1.3024	1.200798	43.55283	2.172196	7.702923	0	0.030077
0.49045	0.13327	0.785771	0.885645	131.8812	0.321114	3.56283	0.117523	0.745021
0.322972	0.060848	2.286745	1.652446	57.95018	10.99593	118.6134	0	0.03243
0	0	0.187959	0.139736	17.49643	0.161002	11.76329	0	0.27915
0.186917	0.264113	0.518006	0.236272	268.3846	0.98639	1.900982	0	0.187688
0.101869	0.07197	0.333161	2.299409	1241.621	0.476882	2.343386	0	0.025572
0.370654	0.494635	1.889219	0.66932	25.81985	4.136332	3.141345	0	0.034461
0.058083	0.123106	1.127261	0.314655	60.4459	2.52131	0.879038	0	0.048602
0.089409	0.078959	0.192375	0.363268	12.12617	1.331756	0.243563	0	0.123444
0.243193	0.020214	0.373056	1.020386	5.465777	1.22979	0.866007	0	0.038305
2.092318	1.396093	2.896232	1.784184	108.5775	36.70598	29.48415	0.181049	0
0.762332	0.275861	4.887184	0.386121	89.88084	20.28878	3.331741	0	0.444971
0.795262	0.168555	1.782984	1.84894	48.01176	10.25488	5.873396	0	0.961575
0	0.104971	0.538679	0.268303	303.5647	0.758786	0.831997	0	0.270412
3.79051	0.847117	7.393492	0.174613	3.265901	37.1025	11.80107	0	0.012946
0.098918	0.029951	0.547293	3.406629	12.58816	0.408945	1.112092	0.058693	0.011825
0	0.794608	1.451989	0.507748	395.3014	3.82922	4.085199	1.167863	1.411689
0.190287	0.328624	0.802482	2.271692	35.97275	1.871579	5.708491	0.021954	0.02123
1.300886	0.59659	9.259412	1.44244	169.6297	9.343661	18.76219	0.687245	0.087847
0.045167	0	0.287663	0.367029	34.99127	0.038444	0.437483	0	0.211649
0.11052	0	1.299966	0.465674	10.18736	0.43899	2.899222	0	0.086314
0.075991	0	0.210594	0.439112	2.149494	0.996067	0.588829	0	0.104282
0.110014	0.019431	0.165697	0.223493	19.1009	0.046819	0.899083	0	0.211729
0.086978	0	0.387391	1.079811	4.17698	1.887806	0.737152	0	0.229258
0.39602	0.165329	1.591089	0.178782	193.9062	0.582218	5.187055	0.037383	0.150626
1.037792	0.422998	6.375945	3.856171	291.194	11.61906	4.736009	0.621695	0.0334
0.260547	0.210372	0.550992	3.59589	31.19244	3.674963	4.371277	0.154595	0.024916
0.103842	0.256774	1.322706	0.140637	34.08585	8.440793	20.55603	0	0.82547
0.293812	0.088962	1.221004	0.227383	195.8099	0.464432	6.403106	0.348666	0.224779
0.929061	0.145862	5.315129	4.380612	3677.851	22.4931	11.56093	0	0.017276
0.611534	0.172819	1.96142	1.325156	846.0547	7.460628	3.257786	0	0.170571
0.162039	0.11448	2.276294	0.308863	60.46704	0.291164	2.179849	0.11217	0.316375
0.124388	0.213422	1.567595	0.224618	97.97722	1.225105	0.968149	0.036903	0.06245
0	0.034954	0.285292	0.84874	28.92925	0.210554	0.299506	0.154119	0.082798
0.06177	0.02182	2.406957	1.101496	17.34217	22.02937	11.55469	0.03207	0.3308
0.666376	0.886197	1.949969	1.097153	86.71677	1.101012	1.09156	0	0.459202
0	0.020101	0.189777	3.532245	16.00595	0.024217	0.568389	0	0.257124
0.54452	0.096175	1.023207	1.638809	115.7101	2.433218	5.603797	0	0.045564
0.389167	0.17675	2.323039	0.276081	8.977817	15.63929	11.37559	0.028864	1.423523
0.315643	0	0.651985	0.783727	234.7032	0.940313	3.152825	0.163876	0.924421
3.83837	0.228706	8.88367	3.423875	1211.761	33.61509	32.58675	0.04802	0.007739
0.264452	0.186834	0.899027	2.825458	173.4253	6.677637	2.508085	0	0.044257
0.094424	0.022237	0.785578	0.269973	50.09617	4.045259	4.782497	0	0.131685

0.221553	0.091307	0.754779	3.717379	69.64543	2.34148	3.442442	0.019171	0.037078
0.016618	0	0.1559	0.750232	0.877004	0.183883	0.261567	0	0.845471
0.264294	0.021967	0.445565	1.487917	217.2208	0.463141	1.93876	0.080715	0.153506
0.121914	0.183029	0.906294	0.577892	14.05771	2.477438	5.03702	0.047471	0.112215
0.166929	0.117935	1.537254	0.904314	26.25187	3.196853	3.94109	0.26	0.027936
0.312708	0.073642	1.75535	0.188227	185.3416	7.245526	18.00484	0.036078	0.075592
0.35252	0	0.509709	1.814237	154.2605	2.070335	6.743577	0.036604	0.507362
1.608522	0.172933	3.700217	26.80478	43.10757	3.363221	0.867906	0	0
0.065397	0.023102	0.8105	0.78237	26.26376	1.962129	1.662759	0.016977	0.019153
0.042706	0.030172	0.474144	1.388127	34.43706	0.375612	5.808303	0	0.011912
0.36122	0.340268	2.242822	0.900775	23.16567	17.10028	6.643436	0	0.054694
0.060525	0.149663	0.239621	2.021968	46.2506	0.309098	1.025923	0	0.086098
0.268986	0.042231	1.481627	0.512715	599.6675	0.788599	5.138361	0.279305	0.275096
1.699569	0.455017	2.654495	5.588904	31.72239	25.91686	12.7146	0	0.011976
0.986123	1.24193	11.29156	2.051702	30.31931	20.25367	4.464274	0.356158	0.050227
1.157973	0.629311	3.461325	6.836115	84.33135	24.71612	10.89246	0.046246	0.007454
0.250496	0.38518	2.909209	0.372516	37.69868	3.925582	7.153948	0	0.456204
0.076134	0.040341	1.020556	0.653038	91.40546	0.145804	3.111017	0.197637	0.098745
0.041806	0.073839	0.768184	1.528721	10.01625	6.831981	4.302353	0	2.259829
0.496963	0.058517	0.805528	0.299136	86.89618	4.265165	3.961131	0	0.138614
0.217266	0.306995	0.493968	6.195619	28.62619	2.712255	8.856066	0.0188	0.090901
0.728845	0.147122	1.268011	2.115217	108.0269	7.931726	20.98943	0	0.052275
0	0.189948	0.397228	0.24275	31.97137	0.83908	0.108506	0	0.037495
0.287837	0.061007	0.756809	0.246891	6.744352	0.428738	0.609864	0.104608	0.077073
0.950724	0.411235	2.985764	17.37823	10.03451	3.996515	25.88746	0	0.045459
0.029756	0.07358	0.119087	0.241801	5.213503	0.379909	0.144108	0	0.393407
0.487829	0.501309	4.141278	0.760789	24.90166	3.397233	6.926506	0	0.029687
0.120583	0.063894	1.08191	0.408274	52.94444	4.952113	7.628184	0.031302	0.075675
0.050712	0.011943	0.25751	0.473138	23.44378	0.115104	0.204663	0.035105	0.345133
1.694687	0.112952	2.052966	0.115481	17.95422	0.353806	1.471114	0.033202	0.133779
1.830729	1.892201	28.09285	1.913135	1564.2	10.56134	9.481815	0	0.002837
0	0.016288	0.119054	0.228977	3.698699	0.294349	0.446615	0	0.744657
0.220379	0.81185	5.191561	0.966467	738.1774	3.778329	8.176164	0.800919	0.015806
0.077729	0.010983	0.430825	0.22458	105.4054	0.251407	0.489371	0.129138	0.595781
0.093676	0.1456	1.217404	1.725417	62.09113	5.676964	11.18291	0.019454	0.125416
0.034755	0.098218	0.632644	0.815883	264.5554	2.55884	5.344074	0.018044	0.200666
0.151088	0.053372	0.416112	5.115606	70.80353	0.385798	2.240866	0	0
0.169488	0.203562	0.886894	0.275452	139.9616	1.312767	2.380378	0.651163	0.03971
0.078208	0.176811	0.469822	0.776742	67.65378	1.278079	3.370916	0	0.238207
0.272759	0.032117	1.134634	0.738816	96.9217	2.669838	4.51327	0	0.045647
0.534057	0.209616	3.115331	1.821626	88.18386	4.192091	4.454367	0.123232	0.109238
0.136914	0.096729	1.217636	1.071359	116.4727	2.253004	29.61695	0.047389	0.091652
0.407748	0.682277	1.414804	6.103572	105.4159	7.653496	6.365808	0	0.017957
0.062652	0.044263	1.907477	0.353548	49.19804	8.585527	2.958335	0	0.922681
0.061052	0.05176	0.260622	0.429962	13.73818	0.342967	0.709612	0	0.198215
0.223543	0.631728	2.46813	0.461336	56.62562	4.26746	1.701234	0	0.368762
0.164478	0.023241	0.662497	0.267311	80.68933	4.269883	5.814879	0.017079	0.068815
0.057576	0.14915	0.728433	0.381224	93.62528	0.441055	3.043984	0.039857	0.054602
0.067025	0	0.334576	1.210325	78.09931	5.020269	1.257818	0	0.190687
0.035532	0.012552	0.266053	0.4331	31.01457	0.045365	1.204554	0.166028	0.903853
1.06484	1.253843	2.484626	17.94678	87.41407	15.1057	8.308433	0	0
0.118793	0.069939	0.816217	0.536287	74.10044	5.965563	0.910906	0	0.086149
0.183008	0.284448	0.45992	0.462661	775.7196	2.056133	6.647222	0	0.030627
0.611968	0.576471	1.528762	1.544279	44.15353	7.305649	8.872174	0.032587	0.084033
0.291369	0.121089	0.777382	1.021347	34.11752	0.743999	14.40134	0.053391	0.243808
0.14941	0.211115	0.842266	0.382219	148.7597	2.67058	3.648061	0	0.183365
0.234747	0.189541	1.243968	0.999198	46.0845	4.338641	8.891927	0.069644	0.005612
0.218496	0.09262	0.597999	0.789112	151.467	0.63231	0.105816	0	0.212083

0.150241	0.409415	1.339236	0.232545	63.42918	2.283533	5.015292	0	0.247841
0.019674	0	0.343734	2.025058	110.5546	0.167458	27.70297	0	0.174505
0.306272	0.463671	1.943067	0.118513	105.7513	5.474363	3.655165	0	0.153767
0.278092	0.024559	0.412864	0.219701	33.02039	2.574099	3.114435	0	0.151254

MUC5AC	R3HDML	OBP2B	RBP2	IDO1	SEMG1	RARRES3	CHIT1	LEP	
0.006856	0.310244		0	1.739157	1.938867	0.133662	54.31662	0.028738	0.469677
0.311607	0.528524		0	1.621223	1.450644	0.15455	22.59164	0.526131	0.012518
0.00088	0.111511		0	412.8235	1.219551	0.018478	80.47508	0.005959	0.853058
0.016627	0.200152		0	0.89266	3.002564	0.017456	59.70907	0.118223	0
0.323316	0.729558		0	1.310813	0.987389	0.108492	31.8666	5.338412	0.451912
0.009467	0.323881		0	1.251063	0.617967	0.049693	12.70317	0.170949	0.014489
0.087219	0.177841		0	1.987245	0.606128	0.073672	59.49129	0.020366	0.040917
0.011803	0.470033		0	1.410061	0.816465	0	19.79438	0.038059	0.055915
0.561932	0.123235		0	0.55784	1.578477	1.077752	21.20642	6.580952	0.159882
0.011511	0.145854		0	2.772949	2.025584	0.107416	82.95783	0.049077	0.019575
4.029054	0.204892		0	0.389537	27.39025	0.311221	70.49785	0.051707	2.46113
0.029356	0.672403	0.017357	0.676094	1.099478	0.213357	0.213357	20.07913	0.211526	1.00228
0.004048	0.400037		0	0.317589	2.260938	0.033994	28.57493	0.012791	0.033039
0.043456	0.395764		0	5.327699	1.177083	0	20.66634	0.524155	0.228629
0.011337	0.287306		0	2.842579	2.170737	0.093515	25.99615	0.126122	0.012394
0.014742	0.669372	0.018886	0.608818	1.275216	0.025795	18.5807	0.077645	0.077645	0.018803
0.034128	0.731825	0.060536	1.355195	0.948138	0.124022	23.57279	0.026666	0.026666	0.006697
0.006806	0.137978		0	0.590223	1.092431	0.01429	20.89733	0.159764	0.715262
0.004658	0.619717		0	2.260213	1.881631	0.0489	15.29706	0.031541	0.356454
0.024069	0.762442	0.033637	1.287645	1.925852	0.12634	26.42155	0.466724	0.466724	0.039071
0.014372	0.572357		0	1.377859	1.340254	0.107775	22.7246	0.064882	0.246161
0.068915	0.80854		0	2.055432	0.969623	0.026796	26.12408	0.538676	0.097663
0.049857	0.08537		0	1.91982	1.44915	0.070731	43.81813	6.530114	0.048122
0.021984	0.386888		0	1.033967	7.528025	0.012822	155.2384	0.151622	0.056078
0.26028	0.188948		0	0.643807	0.725327	0.128084	15.65935	0.027539	0.006916
1.359726	0.314171		0	1.146808	0.711072	0.458122	9.391596	0.154465	3.450783
0.007246	0.128533		0	1.466192	1.651506	0.04564	22.81234	0.042522	0.133075
0.032221	0.185581		0	2.379044	2.382271	0.061503	111.6348	0.180722	0.004981
0.008649	0.383559		0	0.476222	2.267477	0	11.73302	0.048804	0.051478
0.015734	0.25801		0	1.471572	1.356898	0.068017	16.87012	0.079387	0.254985
0.022957	0.183155		0	1.615232	1.178291	0.035705	59.04528	0.134345	0.425112
0.001102	0.530552		0	1.046597	1.414943	0.011568	17.4643	0.009949	0.044972
0.449437	0.516198		0	1.248216	5.554754	0.165554	107.9207	0.302558	0
0.022149	0.779577		0	1.778541	0.862468	0.012918	21.55218	0.111097	0.018833
0.006379	0.282892		0	0.636614	24.03317	0.011161	208.6012	0.009599	0
0.131785	0.549828		0	4.114927	2.192737	0.067488	54.13967	0.116083	0.024598
0.005882	0.029811		0	0.242898	0.427995	0	27.99851	0.015931	0.030007
0.001492	0.396958		0	0.492859	1.668227	0	22.54255	0.114488	3.942424
0.009252	0.234471		0	0.883584	2.042047	0.012141	39.53495	0.00261	0.011801
0.021054	0.242518		0	1.225131	1.259598	0.120559	28.15027	0.017281	0.185526
0.066028	0.08715		0	0.340844	83.37461	0.086647	205.8109	0.034154	0.203518
0.008978	0.442411		0	0.782743	1.078183	0.010473	19.65681	0.031524	0.111967
0.038866	2.097573	0.044258	0.17834	4.035838	0.120896	15.83536	0.422393	0.422393	0.022032
0.076957	5.370911	0.037557	3.077199	0.712407	0.025648	8.646769	0.057902	0.057902	0.006232
0.114472	0.063064	0.038255	0.154153	33.51346	6.661867	140.2867	0.162894	0.162894	0.012696
0.162586	1.520571	0.014877	2.877563	11.96653	0	41.44081	0.126697	0.126697	0.009875
0	2.005331		0	1.089286	9.116968	0	4.003483	0.178612	0.134568
0.053427	2.030927	4.330584	4.81392	0.502424	0	3.370665	0.244843	0.244843	0.049559
0.205391	4.272043	0.178721	2.480592	5.494717	0	29.40963	0.122461	0.122461	0
47.67342	1.576011	4.090317	4.843906	0.395925	0.3471	5.28685	1.570757	1.570757	0
0.226877	0.104748	0.01412	0.550021	0.860053	0.048214	25.27965	0	0	0.009372
0.042253	0.142771	0.043303	0.756136	1.974392	0.532298	75.10422	1.347936	1.347936	0.14371
24.78039	0.110548	0.178825	0.080065	0.254148	8.243201	27.23921	0.282262	0.282262	0.014837
13.48876	1.769706		0	5.691884	30.44189	2.199355	40.13589	0.846198	0.131257
0.080603	0.519947	0.878625	0.030261	7.951	0.061541	29.95988	0.172012	0.172012	0
1.139566	2.340773	1.779191	1.516605	1.857757	0	11.3304	0.306454	0.306454	0.545042

4.885748	1.011686	0	2.029083	1.478762	3.094901	55.31287	0.034657	0
0.031812	1.302309	2.144261	1.970637	5.053999	0	16.07305	0.011047	0
1.70928	0.50228	0.024375	0.556586	4.114632	0	35.54571	0.085896	0.016179
0.048275	3.128352	0.021203	13.84127	3.446375	0.02896	13.61679	0.112078	0.056294
0.066199	0.660876	0.030838	2.15391	3.177033	0.189536	26.02848	0.013584	0
5.0051	0.141142	0.228314	1.073346	9.337177	0.03898	62.98872	0.243045	0.056828
0.02393	1.010727	0	0.109804	6.216947	0.027914	27.28542	0.018005	0
0.038986	1.879907	0.149829	1.855971	0.863347	0.079582	6.24019	0.024444	0
0.282183	0.124522	0.302144	0.028988	24.2999	0.08843	83.04609	0.256677	0.014325
0.14829	0.599916	0.151059	11.62069	0.965492	0.994084	15.02254	0.104851	0.01823
0.381436	0.035023	0.042491	2.368533	0.022183	0.85601	27.32478	0.006239	0.070507
2.204989	0.229325	0	1.494821	4.034818	0	8.670405	0.394897	0
0.02712	0.343634	0	48.78061	1.257569	0	10.92805	0.12923	0
0.01021	0.491601	0.141257	6.598589	0.344154	1.607769	18.74661	0.006914	0.010418
0.036196	0.229323	0	2.802757	0.548729	0.063333	8.184117	0.156595	0
0.049486	3.319585	0.671229	2.284032	11.32293	0	40.50661	2.095977	0.074254
0.079846	1.16162	0.181845	2.747844	0.474686	0.31046	9.294864	0.0267	0
0.023379	0.052277	0.063423	0	52.52266	0.028875	32.39973	0.173832	0
0.063223	0.179838	0	0.372987	8.380882	0.216726	42.25191	9.872838	0.065826
0.123145	5.566726	0.102328	2.748926	0.267116	0.349405	2.548153	0.338059	0
0.099762	0.649125	0	3.062065	9.954207	0	31.9062	2.641305	0
0.186707	0.03943	0	0.192761	10.73901	0.52269	21.14934	0.133453	0.031751
2.855242	0.134996	0	0.219987	5.244339	6.151562	75.91541	0.03006	0
0.064506	1.268321	0.017097	1.699401	0.362994	0.945747	5.975464	0.228446	0
0.148573	0.202738	0	6.843562	1.675486	0	11.72803	0.07739	0
0.928705	2.323355	1.024993	8.211427	1.987617	0.074998	14.10549	0.091375	0.024298
0.322779	0.461767	0	31.71206	1.337056	0	10.27939	0.164516	0
5.443866	0.132799	0	0.958372	1.578137	2.090498	5.208585	0.473127	0.053469
0.174816	0.417336	0	0.156943	16.23987	0.026598	13.6462	0.068624	0
0.47588	2.176107	0	1.466007	2.689934	0.43311	7.693542	0.015159	0
0.274952	4.007825	0.222461	0.128061	0.254407	0	6.69205	0.144655	0
0.021351	1.855123	0.257889	14.10772	0.82415	1.64908	8.603509	0.399314	0.015561
0.846889	0.048229	0	0.196483	17.51419	0.399587	52.40311	4.974408	0.145639
1.500606	0.550717	0.017583	0.023617	0.587488	0.060037	13.62677	0.025817	0.035011
0.087188	3.874428	0.018878	9.255042	0.643899	1.469657	3.249371	0.019403	0.056384
0	1.217928	4.888879	24.57619	1.28254	0.012458	8.160771	0.002678	0.024216
0.380956	1.421936	0	0.792715	1.343069	0.062005	10.43222	0.039995	0
0.007962	3.26601	0.076494	6.18531	5.68153	0	18.80774	2.598996	0.015232
8.531635	0.140532	0	0.057252	37.04403	8.76165	140.2561	0.513198	0
0.388443	2.812556	0	0.36184	1.062624	0	10.51349	0.02637	0.0149
0.073679	0.579467	0.019528	2.675489	0.958359	0.24005	43.86849	0.387092	0.038885
0.293843	1.861646	0	26.82078	2.679902	0.140219	18.38879	0.067833	0
0.58798	0.110466	0	7.740579	2.860932	0.010169	11.03331	0.010932	0
0.32781	3.5258	0.058597	3.699218	1.427631	0.120049	13.97727	0.008604	0
0.063826	3.953871	0.799483	0.439307	1.416608	0.012409	5.79477	0.277464	0.01809
0.031719	2.381671	0.018059	1.673741	0.075427	0	1.230782	1.83229	0.041953
61.95429	0.109754	0	0	3.224297	0.181867	56.47692	1.600413	0.025252
0.05867	0.69493	0.137249	1.659169	7.465747	0.053559	37.67236	0.089246	0.006507
25.01716	1.369027	0	16.60816	1.033067	0.115527	11.5561	2.818105	0.035727
0	5.212801	0	18.22927	1.250371	0	18.68094	0.309531	0.086934
0.213171	2.599683	0	2.659021	1.163926	0.160396	5.306349	0.016422	0
2.058583	0.118488	0	0.220671	5.131981	0	58.36954	1.151848	0.006815
8.276157	0.357909	0.017369	0.629903	1.759174	1.269169	13.56735	7.301441	0.023057
0.092255	0.58448	0	11.03988	0.617011	0	4.56233	0.156176	0.363692
0.092832	4.134416	0.367365	0.056936	1.829414	0.009649	29.55526	0.022821	0
0.24781	0.785002	0	0.222475	4.900103	0.084833	10.96252	0.072959	0.013742
5.355732	2.957692	0.099676	0.401651	0.936693	0.06807	57.7416	0	0
0.953657	0.063266	0.076755	0.257744	128.3785	1.074552	102.274	9.844369	0.076419

0.081586	1.526049	1.313916	3.048369	0.582033	0	8.384117	0.038	0.006607
0.952751	0.085822	0	0	13.84352	0	35.11657	0.540181	0
1.272948	1.50217	0.045561	4.92643	0.340942	0.155572	4.418827	0.00669	0
0.106492	1.712654	0.346303	6.173846	0.109574	0.0215	18.40249	0	0.010448
0.005967	4.555454	0.504517	5.636933	0.375142	0	1.082015	0.006734	0.152213
0.144997	0.866138	2.16531	7.570482	0.919887	0.043492	17.66736	3.427137	0
0.633629	0.119832	0.436145	3.384786	2.934831	0.297849	33.74689	1.380406	0.016083
0.044816	0.585068	0.062631	12.05793	0.486839	0.028514	5.600031	0.03985	0.034642
0.325443	1.776359	1.000585	50.28558	0.578642	0.052562	19.81209	0.00226	0.020435
1.534063	0.766791	0.511656	3.6237	4.905381	1.270603	50.72083	0.150253	0
0.109401	2.18651	0	9.175577	0.488797	1.57476	3.196445	0.015274	0.005754
2.625843	0.835983	0.811382	0.3542	1.044894	0.152378	8.808635	0.01787	0.013464
6.98522	0.306847	0	3.075202	11.52525	0.203383	178.2488	3.533818	0.055596
6.130836	0.012729	0.015443	0.020743	2.424084	0.010546	8.122866	0.321981	0.015375
0.031784	0	0	0.656288	3.89436	0.033367	17.71701	0.071742	0.048646
0.149198	1.124726	1.30647	15.7546	0.626504	0.099134	6.164246	0.038366	0.009635
0.025021	0.055948	0.022626	2.735155	1.031613	3.584702	48.13777	0.089698	0
0.054362	2.263252	0	3.688164	1.537411	0.203821	1.251731	0.499579	0.633918
10.53905	0.507094	0.021214	0.199465	3.677078	2.462874	23.89285	0.121481	0.049283
0.00824	2.523165	0.190002	2.977448	0.683351	0	8.337596	0.024798	0
0.061708	0.750627	0.227668	4.79091	4.529916	0.103652	17.57169	2.139432	0.025186
6.298477	1.510035	0	6.197398	0.47232	0.046337	9.782098	1.514333	0.022518
2.301034	3.207923	0.951354	8.015633	1.806117	0	19.11863	0.050796	0
0.032644	3.834079	0.019301	1.296257	0.382915	0.158172	9.005546	0.025506	0.012811
0.057676	3.86489	0.255761	10.83285	0	0.058221	1.117353	0.060086	0.028293
0.045973	1.581147	0.040385	0	2.523052	0.124106	19.44263	6.792476	0
0.39597	0.236667	0	1.38841	4.127349	0.019608	11.81636	0.177069	0.009529
0.075649	0.563146	0.04361	2.362578	0.136606	1.369952	3.569066	0.021344	0.024121
0.112435	0.034468	0.557555	0	33.55274	0.028557	43.34537	3.587784	3.00222
0.762656	0.992084	3.387944	3.293249	0.543045	0.030443	5.725675	0.359999	0
0.382658	0.517192	0	2.370399	0.98276	0.026781	29.43402	1.848379	0.013015
0.317628	1.538847	0.017951	14.20216	0.474853	0.012259	18.27312	0.002636	0.005958
0.167476	0.287999	0.01839	6.422252	1.900975	0.200937	13.77027	0.361823	0.207503
0.158414	0.194252	0.039278	13.13682	0.46481	0	12.18335	1.095776	0
0.031063	0.337369	0	0.030543	1.733246	0.046586	14.00706	0.367265	0.007546
0.027584	1.198342	0.045433	4.047993	0.558726	0.031027	10.17561	0.796062	1.085603
0.156774	1.024283	0	10.82423	0.170386	0	2.59931	0	0.012497
0.314994	0.815741	0.777597	0.142427	12.00679	2.486189	19.88862	0.051898	0
0.589658	2.315749	0.106019	5.909776	0.707254	0	6.824038	0.630457	0.029321
0.1949	1.55025	0.043739	0.352502	0.144624	0	2.101943	0.016056	0
17.41543	0.117233	0	0	9.265335	4.872677	64.33162	0.031325	0.015734
0.428581	7.015988	4.819729	0.504841	6.856286	0	34.65575	0.727161	3.375155
0.033964	1.655234	0.281142	60.31265	1.63553	0	9.369694	0.058972	0.013329
0.355203	0.035162	0	0	18.84184	8.331965	341.9122	1.522086	0.028315
20.9222	0.14077	0.042696	0.172048	0.757887	3.877981	13.72852	0.012538	0.056679
0.046669	0	0	0.18355	45.12439	2.053062	178.83	0.922972	0.022675
0.135764	0.132328	0	0.898502	1.443499	0.191864	26.74561	0.068753	0
0.061399	1.778249	0.134838	6.640814	0.500593	0.030694	51.52406	0.013199	0
0.348742	0.343217	0.260248	3.915115	1.503628	0.497634	20.37427	0.099352	0
47.90489	0.022876	0	0.037278	8.452081	0.966597	25.02517	0.004075	0
0.171051	0.410046	0.035534	4.916083	3.642279	0.606663	9.717932	0.224351	0.076652
4.697786	0.139568	0.042332	0.05686	57.04852	1.503253	112.8478	2.119507	0.09834
0.044367	0.468484	0	0.076343	12.28484	0.349333	43.85107	0.258709	0
77.52037	0.123963	0	0.057717	1.375922	4.929866	18.35932	0.094639	0.00713
48.40599	0.072591	0	0.709755	2.298922	4.420487	35.55057	0.122845	0.058454
32.38618	0.031218	0	0.101746	428.3221	0.10346	398.0422	0.077856	0.050278
0.456846	0.871417	0.075516	3.144394	1.248461	0.54149	10.49108	0.471239	0
0.329397	1.897178	1.150843	5.874066	2.723767	0.157185	5.429959	0.033796	0

0.118837	2.20616	3.653701	1.369572	0.63584	0	4.23181	0.212095	0.028199
0.67122	0.194401	0	1.504768	0.88245	0.161065	21.01956	0.259725	0
0.092932	0.519506	0	0.197535	3.531829	0	25.07522	0.638549	0
11.3709	0.352399	0	4.060872	1.349876	3.482782	12.86112	1.022342	0.111483
5.254558	0.858182	0.824252	5.943546	1.796794	0.177755	17.05711	0.038219	0.014397
7.48484	0.27253	0	0.055514	6.372529	10.58423	82.8767	0.036411	0.068581
0.188289	0.03787	0	0.061713	122.8599	2.761099	105.6993	2.469061	0
0.05173	0.327734	0	0.47473	1.783695	0.060341	7.064075	0.10379	0.131956
0	1.146487	0.079482	7.259674	2.005636	0	7.951723	0.163386	0
0.195705	5.101266	0.773617	6.696544	2.931938	0.029351	23.47039	0.283977	0
0.683928	1.229007	0.038232	17.40871	1.011315	0.104437	6.079751	0.673636	0.038064
0.215242	0.649365	0.157564	4.444424	2.138783	0.107602	9.086312	0.185082	0
0.213911	4.052928	0.062045	3.979424	10.57614	0.042371	30.03338	0.075158	0.015443
0.034456	3.573196	0.041817	1.685063	2.566465	0	7.283204	0.032747	0.013878
0.085492	0.440079	0.08214	0.717146	7.261622	0.028047	37.53559	0.078394	0.395269
1.88065	0.044227	0	0.072072	3.623072	0	17.51555	0.401806	0.032053
24.53468	0.045553	0	0.519633	1.558079	10.81306	6.808714	0.113607	0.009171
32.41935	0.125825	0	3.075634	18.18414	0	159.4892	6.242316	0.063326
39.53775	0.702687	0	2.394276	1.766825	7.250912	14.96533	0.193452	0
0.200397	1.13828	0.03541	31.58128	0.246489	0.024182	4.053037	0.025996	0
0.171937	0.877297	0	0.953088	3.309356	2.689376	25.60533	12.91127	0.158952
0.001793	0.511078	0	1.017921	7.759538	3.688614	41.81227	1.094526	0.155475
0.225201	0.481533	0	19.23966	3.870869	0.132987	15.50247	0.012708	0
0.035548	3.069628	0.101199	0.54372	3.4025	2.944086	12.07851	0.068352	0.006717
0.123102	0.704439	0	17.98444	13.84598	0.055585	30.84737	1.646266	0.08779
2.880024	0.265081	0.750402	8.351471	2.742384	1.244542	13.76892	0.141662	0
0.893194	0.129451	0	0.030136	6.536037	30.32177	36.30544	2.925319	0.044675
0.012434	0.458348	0.017377	4.598206	7.354645	1.044313	37.51825	0.944063	0.017301
0.190469	0.185649	0.028154	14.02986	30.26446	0.067294	120.7468	0.049606	0
0.126797	2.445525	0.224246	0.463395	4.664958	0.0589	16.45853	1.633645	0.400728
19.13964	0.28276	0.054166	0.315272	1.816124	0.542525	12.06843	0.076881	0.023968
1.136641	1.576112	0.19781	109.4674	2.340844	0.045029	14.46064	0.019363	0
0.060681	1.375906	0	1.187025	9.552233	0	27.62617	0.036044	0.464368
0.15497	0.972636	0.022264	0.687827	1.906306	0.152047	35.63893	0.098073	0.177335
0.861913	0.892495	0.028494	0.267915	2.191783	0.214051	18.82213	0.117148	0
11.85156	0.110073	0	5.483715	1.049117	0.469018	11.93498	0.151263	0.037988
0.03953	2.382602	0.361326	1.698661	2.783882	0	12.48484	1.709777	2.414629
0.017075	0.072117	0.262482	0.352564	3.989275	5.73606	30.50263	0.449637	0.058073
0.88521	0.19197	0.133086	8.446444	1.957063	0.090886	21.91952	0.068394	0
0.050628	7.698133	0.564261	17.53654	0.176076	0	3.077142	1.082774	0.006457
0.003056	0.851983	0	1.388379	0.67864	0.048129	3.756246	0	0.015593
0.264513	2.342547	0	1.11585	1.141351	0.029859	5.424854	0	0
0.147467	8.443789	0.042773	3.849319	0.49128	0.014605	5.194832	1.413087	0.007098
0.08241	6.545865	0.151268	0.406364	8.463342	0.012913	10.72228	0.677426	0.006275
0.040375	0.28859	0.047744	0.513035	22.43904	0.391259	44.45558	0.002337	0
2.261671	2.82887	0.198958	17.23697	0.571296	0	11.42995	0.102246	0
0.01893	0.879475	0	0.260578	2.599589	1.308281	11.65355	0.249243	0
0.194847	0.184247	0	5.344374	1.042527	0	10.78111	0.262569	0
0.006275	1.444452	63.60204	0.799016	2.355819	0	15.45234	0.042492	0.005336
0.236381	2.559	0.07056	12.98421	0.896383	0.048186	12.26861	0.196846	0.011708
0.065231	0.295196	0.047752	0.513117	1.861447	0.016305	18.48323	4.210338	0.103008
0.157818	0.521666	0	10.24841	0.881121	0.048023	6.144329	0.263296	0.011669
0.379283	0.775146	6.159747	0.442108	23.35396	0	204.8885	0.952768	0.06242
0.017969	0.106252	0.018415	5.367547	0.499939	0	7.9486	0.105453	0.006111
0.061333	2.447186	0.040121	15.03546	0.802946	0.082198	4.399505	0.002946	0.039945
0.096806	0.7937	1.225546	1.881312	0.822641	0.149454	7.304521	0.430589	0
1.528829	0.092688	0	0.755217	10.37178	0.844734	91.96553	1.353919	0.037319
0.216449	0.116707	0	0.285277	55.99582	5.463236	327.9383	0.14553	0.023495

0.138173	0.656549	0.059003	6.498667	0.2567	0.100734	2.165246	0	0
0.168017	1.188246	0	17.34646	1.108037	0.205101	15.2726	0.176392	0.059803
0.005955	0.513142	0	3.910503	0.904961	0.037513	5.727513	0.588785	0.783891
0.853177	0.528781	0	2.680825	0.645045	2.920703	20.80197	0.146526	0
0.150201	0.322865	0	1.412259	1.757989	0.056316	36.33269	2.999818	0.21894
0.020565	0.028954	0	0.094365	1.369322	0	14.02637	20.57935	0.058288
2.775161	0.075492	0.018318	1.353226	6.362739	0	80.281	0.376542	0.024316
0.062107	4.262713	0.596722	1.816765	3.461512	0.040751	9.471832	0.36215	0.026405
0.096983	2.770984	0.321564	96.27952	1.098862	0.059891	52.89823	0.030046	0
79.37295	0.055846	0.022585	0.758387	0.628849	6.369808	89.58887	0.736175	0.029981
0.023467	0.726847	0	6.029975	3.836508	1.806621	78.13483	0.035312	0
0.899574	3.846559	0	2.185278	1.102709	0.029238	24.83927	0.427474	0.028417
0.013102	1.014525	0	9.588881	0.856793	0.015283	2.581064	2.18841	0
0.011649	0.563589	0.01628	3.126991	1.031259	0.055589	7.297188	0.009562	0
2.592682	0.102343	0	0.333552	30.25082	0.254378	51.20622	0.455775	0.041206
0.147984	1.646082	0.503605	47.28079	0.151104	0.201607	2.549105	0.010199	0.011526
0.126869	9.022016	0.039802	5.45316	1.967172	0	7.546671	0.11104	0
0.346683	2.30978	0	1.731895	4.930527	0.046962	12.1973	0.174175	0.011411
1.249845	1.805234	1.144845	2.473772	1.230048	0.067985	6.915166	3.398507	0.016519
0.009387	1.453678	0.016033	35.21037	9.374929	0	19.90648	8.022867	0.021284
0.086736	1.007442	0.074075	11.24325	31.28021	0.012647	63.68779	0.008157	0.006146
0.037205	1.269213	0.043995	0.945505	0.076563	0	3.036816	0.613684	0.058403
0.149062	1.427561	0.239807	3.221076	1.743501	0.018196	8.194995	0.133019	0.008843
0.460052	0.028436	0.396735	0.046338	393.3733	0	186.4357	0.346984	0.028623
0.67104	1.101573	0	5.890196	5.610915	0.057042	12.55297	0.042926	0.01386
7.150028	0.797096	4.160135	0.26959	37.31002	0.124606	58.62096	2.813055	0.030277
2.196843	4.806259	0.18222	5.547817	0.486236	0.12444	8.544499	0.222962	0.040316
0.060324	1.791876	0.212833	0.694269	18.21763	0.145346	35.77116	1.183047	0.060543
0.000894	3.838467	0.068686	34.33854	4.260092	0.009381	54.49276	0.078664	0.031913
0.017816	1.612472	0.365172	1.331349	0.54471	0	16.13574	0.00766	0.012985
0.013528	0.299971	0	0.395718	10.86316	9.349519	73.39341	0.857519	0.063264
0.285719	0.809817	0.057793	3.648488	11.365	0.118403	135.0281	1.6123	0.01918
0.185554	0.957881	14.12148	4.257136	0.441249	0	6.584705	0.036195	0.023374
0.084105	0.791663	0.110822	0.099237	10.768	2.611021	182.1386	0.642747	0
0.0474	2.117403	0.024701	8.543279	2.170774	1.771179	18.8736	0.014507	0
0.008435	0.534396	0.187297	1.296589	8.354269	2.607349	34.41705	3.450315	1.831289
0.861189	0.822741	0.078802	0.088206	0.443409	2.968797	36.35462	0.385686	0.03487
1.110358	0.113988	0.019756	0	2.324131	3.791142	23.35519	0.417713	0
0.062393	1.718668	0	2.212567	6.437227	0	10.05671	0.587825	0
0.755174	1.356773	0.086635	4.421957	6.724217	0	12.18721	0.572428	0.028752
43.07209	0.698056	0.259532	0.605466	3.261415	0.447758	10.98023	0.094265	0
0.099113	0.355829	0	12.10873	2.032843	0	27.3134	0.074572	0
0.302947	0.084058	0.033993	0.09132	7.903456	0.905368	11.22727	0.009983	0
0.024142	0.35865	0.025595	2.337805	2.369665	0.017479	24.79035	0.516749	1.061793
0.626962	1.817311	0.188982	5.372942	8.254853	0.02151	47.25266	1.789768	0.020906
0.005745	1.868386	3.532606	19.55327	1.583024	0.010052	7.767972	0.015129	0.146546
0.091701	0.973982	0	4.761562	0.129877	0	1.992478	0.024351	0.00688
6.02539	0.543186	0	1.229401	2.675955	0.050005	38.83469	0.080635	0.01215
0.889375	5.518704	0.281319	2.191621	1.899525	0.691617	10.66779	0.016522	0
2.652234	0.420959	0.085119	9.260839	22.87118	5.289716	34.21139	0.112483	0.028249
1.973866	3.29931	0	7.110867	1.752707	0	50.76902	0.265426	0
0.28754	2.499419	0.784485	5.633327	3.628308	0.04121	22.46143	0.18607	0.070094
0.067591	0.461165	0	0	19.55676	2.565424	135.6576	0.563319	0.013263
0.276467	0.678024	0.102824	15.79084	0.75155	0.351098	16.95021	0.035228	0
0.024966	0.579975	0.085289	4.124153	9.558595	0	40.85625	0.488398	0.275974
0.19531	0.043417	0.052674	0.495264	8.195052	0.683467	21.67738	0.015468	0.017481
0.186049	1.036601	0	0.108983	1.828533	0.18008	14.17864	0.092329	0
0.80377	0.977119	0	5.511803	3.396025	0.124548	16.65233	0.709634	0.030263

0.052892	2.908923	0.0173	0.790057	2.414513	0.023628	5.441635	0.00254	0
0.063229	5.305911	0.055019	6.059896	0.159579	0	2.051104	0.026928	0.006086
5.061103	0.604346	0.016664	0.08953	8.206776	3.106695	29.178	0.058722	0.01106
0.161525	0.377022	0.108907	0.204797	1.303944	0.104123	11.07631	0.422159	0.086743
7.039898	1.645048	0.09979	1.474411	2.34442	0.136296	12.46836	0.197805	0.016559
0.615951	0.206163	0	0.239971	3.270775	7.003202	32.46908	0.540385	0
0.103874	0.15669	0.03802	0.919223	1.362986	0.597175	16.90883	0.005582	0
0.068668	0.058006	0.070374	1.890511	0.367406	0.384472	16.0486	0	0
0.025713	0.939818	0.030405	0.449244	35.48903	0.083057	51.61907	0.256705	0.010091
0.224267	1.83617	0	72.52514	2.81217	0.024148	9.871154	0.132394	0
1.146646	0.440278	0	0.393452	7.130672	0.435382	23.36587	0.1771	0.011437
0.104376	0.576496	0.164568	2.597301	3.809009	0.084289	25.52292	0.356413	0.027308
34.58592	0.034693	0	0.282674	18.61948	12.93464	168.1028	0.111241	0
26.45788	0.371787	0	0.100976	7.343729	0	39.84902	1.607894	37.6395
49.67863	0.097986	0	0.452418	0.565471	13.04347	14.81876	0.008727	0.006575
0.973649	0.957807	1.12734	6.406389	0.567433	12.95757	20.82164	0.00764	0.011512
17.84392	0.182487	0	0.297377	1.992482	1.42554	16.13876	0.069659	0.020993
3.661333	0.066945	0.324875	2.290943	1.201406	0.277326	65.96171	1.347568	0.040431
1.226599	0.893804	0.015061	0.566429	3.003639	1.203369	35.89873	0.152586	0.004998
16.55181	0.22917	0.046339	3.361063	0.790287	0.189872	8.664515	0.585138	0
3.727086	0.636755	0.085836	13.37412	0.941074	0.029309	12.52481	0.050413	0.04273
0.226529	1.537686	0.195438	0.238647	3.444425	4.258812	13.94054	0.049566	0
0.121132	2.552716	0	0.473909	0.36158	0	3.493819	0.722393	0.019515
0.265781	1.169837	0.043008	7.221023	1.137649	0.058741	4.246339	0.094723	0.071366
0.084108	1.993949	0.041708	6.218508	6.300266	0	12.5363	0.587911	0.055367
0.032071	1.092993	0.017	12.19386	8.254297	0.01161	25.53427	0.461795	0.016926
0.021942	1.009676	0.071012	65.33725	18.02406	0.012124	106.3168	0.104267	0
0.052031	2.805473	0.136146	0.18287	4.797823	0.069732	23.24127	0.084959	0
0.513154	0.084664	0.102716	0	1.043912	9.595928	46.30975	0.063343	0.013635
0	4.891946	0.502965	2.634763	1.015338	0	6.81171	1.277616	0.033384
0.073161	1.334922	0.224937	5.13629	0.007829	0.076806	1.120271	0.284038	0.02986
0.086528	1.817714	0	23.15627	0.201026	0.023905	1.406914	0.010279	0.011617
0.007337	1.229225	4.260902	37.79011	0.043618	0	1.368735	0.073604	0
0.002613	1.490158	0.026783	0.179877	0.055932	0.11889	37.27941	0.50141	0.039999
25.95593	0.264655	0.245535	0.202954	0.466737	7.32626	10.44623	0.138661	0.025073
0.200055	0.020118	0	6.753597	1.214814	0.500052	11.40957	0.136185	0.032401
2.606218	0.26991	0	1.60542	1.806471	0.480795	11.65926	0.096162	0
0.071539	0.805758	0.073317	46.18658	0.289206	0.066759	17.44582	0.007177	0.040553
0.833596	0.716103	0.043439	0.641823	1.012986	0.029665	6.072818	0.025513	0
0.008157	0	0	0	2.044034	0	13.8418	5.983947	0.998778
0.411368	2.259945	0.044223	2.138385	1.554571	0.0604	11.1668	0.694775	0
1.628528	2.1544	0.08168	10.75176	1.620445	0.11156	8.457062	0.083952	0
0.115118	3.036388	0.036116	6.209324	0.930191	0.123319	2.52448	0.222721	0.1678
0.813572	0.543899	0	4.864512	7.098362	1.59293	17.8599	0.274893	0.005093
0.16659	0.089824	0	7.245629	0.967202	0.111632	5.903508	0.336022	0.054249
0.362584	0.984496	0	6.417281	2.217153	0.453152	9.624412	0.097431	0
0.556766	0.332773	0.242235	4.392486	5.733126	0.248138	16.4031	0.005928	0
2.381884	0.539993	0	0.248686	3.370717	0.175068	14.02423	0.081555	0.004726
1.001138	0.809709	0.036383	6.597455	11.47299	0	56.33184	0.38998	0.012075
0.394996	1.077192	0.015937	5.993972	2.113428	0	21.30569	0.650547	2.850861
0.069514	1.233146	0.320587	42.34341	0.520712	0	16.10647	0.015691	0
8.195225	0.268448	0.038316	0.283061	8.981762	0.052333	25.51059	0.306614	0.006358
0.150151	0.691843	0	46.08318	0.43821	0	11.82584	0.092432	0
0.001265	0.897722	0	3.030325	18.58145	0.013282	46.11993	2.77857	0.05809
0.103442	0.986416	0	8.873998	0.182587	0.011195	2.220207	0.004814	0.005441
4.817514	0.199378	0.040315	0.054151	11.25338	3.992054	155.2716	0.156865	0.00669
0.20538	0.156143	0	0.508896	1.999978	0.34498	52.30386	2.317902	0.041912
0.011068	0.621057	0.413196	3.656494	4.500537	0.132789	29.4558	0.688781	0

0.04043	1.075802	0	0.834815	9.489228	7.540879	30.8451	0.54146	0.013751
8.475215	0.798208	4.320547	0.050029	227.6603	0.012718	161.6285	0.634388	0.018541
0.117907	0.892969	0.10417	0.727584	2.936777	0	11.43187	0.082594	0.041485
0.085961	5.436073	0.03637	59.01356	0.20676	0	9.395822	0.030261	0
0.327402	3.325395	0	8.369967	3.475722	0.190951	23.94257	0.287391	0.026513
0.341397	0.068664	0	0.335683	1.71067	0.768012	43.89078	0.14678	0.027646
0.014986	0.68359	0	0.247548	0.008018	0.346113	1.529788	0.226633	0.007645
0.056381	0.22861	0.208015	1.909268	1.496272	0.094704	16.50924	0.402149	0.069034
0.031366	3.63813	0.222546	34.27653	0.813308	0	9.317381	0.054461	0.012309
0.062052	1.375959	0	11.21122	0.733188	0.488576	212.2582	0.035016	0.013191
0	0	0	0	18.22019	0	14.80897	0.022712	0
0.002026	0.012837	0	0	11.30193	0.191443	35.63885	7.795516	0.206743
0.353168	0.403759	0.040821	1.80939	2.330065	2.146518	13.12543	0.11388	0.081283
0.06139	0.820305	0.034317	0.921902	0.4718	6.714363	8.63564	1.496539	0.005694
0.404333	2.326926	0	14.73529	1.301481	0	5.733876	0.534502	0.008218
0.637086	0.611068	0	2.096397	11.32623	0.053293	17.93274	0.40677	0.012949
0.004851	2.627869	0.018644	6.461072	2.829289	0.012732	10.11635	0.643324	0
2.230615	0.042439	0	0.899048	4.605517	0.562581	23.30326	0	0
0.340302	5.634318	0	7.682567	0.679761	0	6.886817	0.010242	0
0.03148	0.368198	0	1.100018	11.32386	0	28.16713	4.509292	0.086478
0.108528	5.312284	0.045709	3.990734	0.556818	0.546265	6.150461	0.228189	0
0.0258	19.83294	0.176276	3.847557	2.822249	0.391238	4.120055	0.245885	0.160877
1.379449	1.380405	0.011091	0.104281	0.193011	0.007574	1.259789	0.008142	0.011042
37.86719	0.564731	0	0.083662	0.686491	0.212678	7.274396	0.009145	0.00689
1.069122	5.107835	0.673577	8.142707	2.063074	0.061333	14.71343	0.441761	0
6.686453	0.245104	0.019824	0.079884	9.922035	0.094768	44.94909	0.090235	0.006579
0.142249	0.158456	0.02403	4.099209	0.727648	0.443084	23.09599	0.014113	0
0.07474	2.367565	0.778319	10.5788	0.644991	1.328809	4.695621	0.574126	0.0123
0.537111	0.185482	0	6.556678	1.036261	0.945694	9.180598	0.012708	0
0.387492	0.706108	0.079689	17.74163	0.644865	0.013605	9.103939	0.052654	0.019835
0.066439	1.282827	0	9.733783	2.691525	0.298926	15.89332	0.021424	0
0.125406	0.469138	0	4.217083	3.137643	0.112846	12.12789	0.010783	0.01828
13.48415	0.060583	0.055125	0.246811	6.843129	0.476842	26.82804	0.884945	0
0.018042	1.25734	1.155625	0.74507	1.52843	0	4.402406	0.013574	0
1.072641	0.125847	0.057255	1.230469	3.507272	0.521333	18.35965	0.114892	0.012667
0.123977	0.751304	11.35225	6.455477	2.278418	0.056588	22.51689	0.066918	0
0.171899	0.460169	0.018609	1.149823	11.13409	0.228755	20.52013	0.510966	0.012352
3.595871	0.245492	0	0.320041	1.437451	0.122037	28.83383	0.137025	0.019769
0.01858	0.033633	0	2.740384	3.621491	0.027866	44.74378	0.347493	0.108333
0.360758	1.186746	0	2.650166	5.475191	3.350309	17.09956	0.618551	0
0.190549	2.414452	0.036388	1.832868	0.487603	0.1491	4.641949	0.010686	0.006038
13.8175	0.099971	0	7.168068	0.865385	0.082828	19.07522	0.020777	0.006709
0.030366	1.552349	0.386325	11.26467	0.078436	0	4.219389	0.016545	0
0.011598	8.670475	0.035658	0.766334	3.872207	0	18.47568	1.062848	0.05917
0.088298	2.967821	0.014288	0.786861	0.686277	0.146363	2.222194	0.025175	0
0.044245	2.225528	0.247332	22.28614	0.803458	0.225208	13.3986	0.251185	0.054722
0.23039	1.685782	0	3.01514	1.927187	0.068132	15.90872	0.344247	0
0.072669	8.354766	0.197137	7.215627	8.61679	0.022438	15.51671	0.144729	0.010904
1.049434	0.317324	0.128328	10.21902	11.54904	0.062598	50.55287	1.448174	0.048672
0.032699	3.505896	0.058001	1.038756	0.100937	0	1.452779	0.051098	0
1.906518	5.557983	0.265474	4.778213	0.960948	1.305326	1.670094	0.701634	0.510998
3.974118	0.232592	0	0.568543	2.160729	0.610239	9.903419	0.034528	0
0.039699	1.732648	0.135618	12.11372	3.319884	0	6.458027	0.136071	0.007501
0.024871	0.585259	0	12.03166	0.944175	0.136766	7.126661	0.013366	0
0.007517	2.62597	0	7.228152	0.235559	0.022546	10.16825	0.029085	0.125999
89.93569	0.018878	0	0.092292	88.59706	35.84952	455.9535	0.010089	0
0.824335	1.512553	0.069247	2.13929	1.289441	0.070935	7.442083	0.030503	0.011491
0.399101	0.478367	0	22.38394	2.380676	0.05662	8.837875	0.066955	0.013758

0.38487	0.039328	19.18086	7.498375	6.958269	0.065168	80.62789	5.842847	0.015835
2.394338	0.285765	0	8.847891	2.855809	2.722762	79.06318	0.025453	0.095882
0.451686	4.546454	0.030059	0.767128	2.568452	0.061583	4.990168	1.507238	0.004988
0.114106	15.59309	0.044408	3.877154	0.850097	0	4.074146	1.62359	0.044213
0.750043	0.236609	0.047843	0.546232	0.482905	0.359399	18.14242	0.049174	0.031755
13.05455	0.017556	0	0.200265	1.275093	0.494552	64.44773	0.794362	0.028275
42.30266	0.206009	0	2.741625	1.928277	2.147754	23.60312	0.079512	0
2.488019	1.130168	0	36.54333	2.725225	0.073924	16.58327	0.180133	0
0.016446	1.95886	0.101129	10.25557	1.865497	2.676148	4.484317	0.077956	0
0.191999	2.132138	0.132654	4.855393	0.934951	0.090591	5.940176	0.058433	0.011006
0.075121	1.971715	0.948598	1.163356	0.488066	0.028166	3.639673	0.006056	0
0.039678	0.476297	0.096308	3.79459	0.659235	0.032885	5.413611	0.007071	0.005327
0.039162	4.727179	89.06814	0.255359	0.192994	0.021638	11.14331	0.016283	0
0.116864	1.633218	0	0.141945	1.039069	0.018042	10.11071	0.418949	0.394551
0.095394	1.510921	0.101837	1.20373	2.814317	0.111274	15.10886	0.714746	0.020278
0.110405	0.69947	0.115719	2.590559	1.181441	0.026342	26.22109	6.76813	1.395342
1.582804	1.701902	0.040486	1.631409	3.621435	0	10.96607	0.053501	0.013436
0.022546	1.295076	0	1.241434	1.552126	0	4.481921	0.284984	0.237715
0.042015	1.962158	0.055361	1.313703	0.160571	0	0.935184	0.046063	0.006124
0.404495	0.099201	0	7.490051	1.884993	0.273965	44.62168	0.011781	0.013314
30.67769	0.045053	0	1.615192	1.598037	0.671892	20.15401	0	0.01814
0.468614	0.692138	0.132586	0.474905	10.82916	0.331997	16.87506	1.635287	0.029334
1.490073	0.847707	0.342817	14.9025	1.724694	0.212831	20.12339	0.306592	0.010343
0.034328	2.273684	0.095947	20.07232	0.350643	0	6.036005	0.014088	0
0.957684	0.480838	0.230274	1.546514	1.864764	0.062903	4.949558	0.202867	0
33.86143	0	0	0.167551	34.29879	0.979647	83.10617	1.959778	0
0.415348	2.878138	0.538735	4.663371	10.99354	0.10901	32.11352	3.269581	0.019866
0.134624	1.582727	0.042671	3.324289	7.596653	0.02914	20.71106	0.316402	0.021242
0.711778	4.6984	0.059792	11.59175	0.4509	0.14972	5.485539	0.058529	0.006614
0.089102	0.307913	0	1.059292	8.090141	0.113383	7.797371	0.670397	0.13775
0.271277	0.187492	0.045494	0.244428	1.546473	2.796136	9.83151	0.004453	0.020131
6.595133	5.471655	0.603482	1.621187	1.050217	0	13.70958	1.240533	0
25.05851	0.018702	0	0.030476	6.744061	0.015495	197.9292	0.24986	0.03012
0.03505	0.262435	0.024492	0.032897	6.504072	0.75265	50.90928	3.355164	0.146305
0.081978	0.439469	0.14541	0.455733	0.168701	0	7.369017	0.64052	0
0.074579	1.922579	1.265086	0.212407	1.802547	0	14.0589	0.034829	0.02624
0.036072	0.564615	0	5.301466	0.244093	0.089104	2.679082	0.079026	0.010825
0.159355	0.827139	0	10.30743	0.61636	0	12.17213	0.528706	0.029385
0.259566	2.654251	0.023335	7.240226	0.755317	0.254968	7.482621	0.243263	0.023232
0.535311	4.107974	0.019317	4.903961	0.64545	0.13192	11.39296	0.022691	0.012822
2.574606	0.423674	0.128502	0.172603	9.123995	2.3694	81.21477	0.169812	0
2.541135	0.098769	0	2.414295	1.960211	0.027277	27.1871	0.029324	0.013256
0.13773	1.745176	0.111436	12.94729	3.917329	0.228302	13.53397	0.654485	0.018491
0.794039	14.59072	1.081019	4.35606	1.896936	0.12304	7.910519	0.059522	0.029897
0.068458	0.136964	1.938613	0	20.69523	0.643038	204.449	1.886807	0.027573
0.031306	1.081842	0	3.408379	9.913037	0.149388	68.80815	0.077086	0
0.501478	1.289958	0.038642	1.920434	4.303814	0	7.562985	0.034043	0.012824
0.630153	1.728966	0.019069	20.61897	1.320779	0	13.54594	0.117597	0.018986
0.003454	1.444153	0	5.419885	0.720688	0.036258	8.257414	1.161556	0
0.358977	1.80305	0.049716	19.25427	2.410978	0	21.7195	3.428461	0.060497
0.407717	2.635101	0.126195	9.492272	6.193087	0.114907	32.16004	0.179117	0
2.389351	1.145084	0.29006	0.32809	0.132837	0.604682	2.414346	0.403481	0.005066
0.069688	0.963291	0.925205	18.83718	5.609929	0.199526	25.82615	0.164448	0.032321
0.087322	3.712771	0.894912	29.77058	17.31811	0.020372	14.80452	0.591302	0.0099
0.330514	0.418795	0	275.9421	2.475782	0.05783	17.23974	0.323279	0.028103
5.843176	0.081811	0.049627	0.133318	79.02351	5.456459	132.5135	0.626664	0
2.892175	0.272902	0	0	6.4697	6.104825	79.01711	0.097228	0.015697
0.118647	4.844225	0.050665	1.179575	1.622323	0	12.85251	0.190937	0.005605

0.411139	1.665751	0.317006	1.250792	2.392889	0.432975	11.07936	1.675664	0.046027
0.034803	1.763943	0.071335	0.550945	0.335182	0	3.069688	0.002619	0
0.017364	2.048977	0.333671	3.652714	1.335555	0	7.551017	0.017148	0.01661
0.511692	0.01348	0	3.712265	0.813944	0	12.76002	0.084042	0.054273
0.122356	1.107407	0	12.75261	3.366842	0.734007	23.32152	0.170968	0
0.116423	2.120599	0.149145	37.46177	11.06985	0	41.50532	0.613172	0
0.068904	1.714984	0.07566	6.148368	6.63607	0.077504	11.33747	0.016664	0
15.62495	0.185581	0	0.100807	29.07307	0.563778	66.49291	0.071628	0
0.015978	1.966768	0.052635	0	1.288486	0	11.74269	0.04637	0.034936
0.0159	0.856234	0.061106	0.492461	0.430677	0	5.352449	1.758547	0.040558
0.037223	0.182578	0.055377	0.942165	21.43262	0.189086	163.5741	0.051496	0.018378
116.345	0.026768	0.097427	0.043621	1.00599	0.57663	24.85705	0.524527	0.010778
2.038371	1.771231	0.352802	24.68494	7.434601	0.109515	15.2729	0.042384	0
0.111149	0.031649	0.019198	0.28366	8.399375	0.44577	63.39138	1.186766	0.165657
1.747904	0.151697	0	28.42834	30.92302	1.508206	84.42295	1.351142	0.015269
0.621809	0	0.095589	0	6.820331	0.424311	68.06923	1.185986	0.015862
0.106976	2.697962	0.06325	1.762872	10.23674	0.010799	32.41292	0.153237	0.005248
3.612685	1.077488	0.102127	0.631012	0.909967	0.195283	6.406957	0.143956	0.033893
0.007296	2.496059	1.323461	49.14194	1.038379	0.015319	11.91652	0.569799	0.007444
1.121699	2.124634	0	2.566858	3.155509	0.0607	15.8043	0	0
19.27823	0.192179	0	0.913416	1.541848	2.322012	6.179448	0.199699	0.019344
0.010903	1.88801	0.167602	1.050572	4.783421	0	21.33175	1.361705	0.074163
26.76366	0.396357	0.048087	0.387539	2.343136	0	7.562819	0.056485	0
0.05827	0.878372	0.015444	0.290425	0.747183	0	4.669066	0.024945	0
52.7162	0.068649	0.020821	0.335606	2.935013	0.284384	34.74801	1.048625	0.00691
0.019734	2.934731	0.239493	1.608429	0.277854	0.010904	7.686698	0.004689	0
0.232187	0.196137	0	0.191773	2.004274	0.162503	43.62032	0.034939	0
0.096802	0.479967	0.452903	15.20842	2.567183	0	39.9398	0.04275	0.966249
0.0059	4.336128	1.342375	0.170561	0.511414	0.012388	2.837148	0.005327	0
0.109373	9.616251	0.034314	8.43442	2.79464	0.749859	2.968157	0.136033	0.250529
0.222464	0.014994	0	0.024434	28.54175	2.223666	106.9997	0.117522	0.078481
0.037016	0.774927	0.074223	1.927447	0.843891	0	5.685357	0.029062	0.008211
22.77729	0.027848	0.033785	1.679056	4.056846	29.45168	70.77334	0.104174	0.033637
0.070539	1.842612	0.033365	2.868245	0.092904	0.102536	5.859761	0	0.005537
0.676162	2.73436	1.045474	1.836361	3.932704	0.04119	10.01317	0.991895	0.080068
0.663557	0.660954	0.018648	2.154162	1.914732	0.738641	7.593001	7.973492	0.030944
0.363874	0.367516	0.162137	1.905588	1.312049	1.273341	17.95629	0.809426	0.053809
0.428301	2.203786	0.018188	36.69435	1.677572	0	6.849425	0.208306	0.018108
1.341937	4.012269	0.033571	7.665635	1.542336	0.126092	10.70631	0.483062	0.022282
0.412547	0.965057	0.048784	1.638169	3.718509	0.133261	21.22734	0.336662	0
1.789494	1.049756	0.063679	1.454067	3.967295	3.174564	24.98213	0.280501	0
10.70452	0.242209	0	0.986752	3.681938	2.909791	37.01523	0.086293	0.032507
0.701109	0	0	0.247468	4.801329	0.346001	45.79822	0.131878	0.007643
0.031708	3.311194	0.285742	9.34683	2.281574	0.826461	21.85317	2.517337	17.03027
0.045176	1.026047	1.441367	2.305645	0.602006	0	21.06621	0.088503	0.008697
0.020063	0.451955	0.06854	10.63322	5.140862	0.023403	43.68734	0.583698	0
0.05052	5.412087	0.017651	8.037089	3.02867	0.012054	9.422971	0.176232	0.011715
0.774375	1.629695	3.501241	4.204902	0.910378	0.08439	14.6482	0.136082	0
0.03977	0.770714	0.071926	19.51545	1.426947	3.094521	28.75186	0.168976	0.011935
0.473755	2.702904	0.209717	1.997441	0.212342	0	2.448749	0.016796	0.006327
0.578151	0.104654	0	0	3.933039	1.213909	65.5643	3.131979	0.042137
0.15756	4.238081	0.276207	17.09456	2.181519	0.01451	12.19675	1.207311	0.028205
0.112423	1.327385	0.314225	0.527582	1.380758	0.026824	14.48272	0.051905	0
0.125969	0.499666	0	2.646307	16.81477	0.034499	54.73245	1.038439	0.016765
0.023929	0.545771	0.055178	21.56746	2.291784	0	30.5663	0.048611	0.006104
1.235944	7.312719	0.641343	0.825555	1.562547	0.109495	7.191447	0.188337	0.008868
0.079594	0.444946	0	0.338369	2.279661	0.098306	33.20508	1.114943	0.310525
0.137274	0.618453	0	8.251547	1.468969	0	15.44731	0.316737	0.015563

0.852518	2.904654	0.023033	1.918103	8.152804	0.298854	15.99907	0.372006	0.542712
0.344725	0.99194	0.211129	0.368665	0.220453	0.043255	2.176795	1.664713	0.063061
1.9578	2.747769	0	2.901062	2.729113	0.032065	21.74316	0.67562	0.015582
0.004853	0.215233	0.074607	35.52508	2.778488	0	15.48211	0.005477	0

65 overlapping genes among the APC status DEGs related to immunophenotyp

GNLY	PLA2G2A	SEMG2	CCL4	PDCD1	AQP9	FASLG	CCL19	CCL18
0.39206	578.4543		0	1.53054	0.266751	0.058105	1.131371	2.067302
0.806817	421.0029		0	1.06394	2.733872	0.046317	0.702925	56.86016
4.207412	155.0449		0	0.687652	0.355912	0.170875	0.471712	1.798338
1.079252	106.9894		0	1.78466	0.542078	0.1121	0.806727	13.06821
2.786126	665.5301		0	2.674778	0.548323	0.095551	0.804969	9.348827
1.835327	43.14271		0	1.495719	0.562579	1.429683	0.489939	15.24242
1.960743	75.511		0	1.368706	0.36407	0.059478	0.60221	2.003576
0.496598	18.28916		0	1.078629	0.403583	0.027283	0.794708	10.96143
0.95171	943.5104		0	3.702333	1.034616	1.031633	0.519311	48.62986
1.14833	179.77	0.01088	1.888922	0.781153	0.062084	1.311989	28.34689	11.83671
2.789613	914.2636		0	3.933986	1.212269	0.864869	1.207945	26.44649
1.278465	1244.279		0	0.950098	0.167739	0.17051	0.469544	4.79189
4.541463	6.11078		0	1.299831	1.563435	0.082956	0.66582	107.9051
1.289166	16.07271		0	1.212697	0.70612	0.241703	0.301198	16.1621
1.083662	28.26697		0	2.252899	0.688419	0.008735	0.763341	27.96763
2.648695	23.40727		0	1.888262	1.30803	0.039757	0.613091	20.27679
2.784969	175.4205		0	0.958041	0.769205	0.028319	0.230484	9.167017
0.443697	32.29081		0	0.841516	0.629125	2.892515	0.490587	27.11167
0.772492	44.47021		0	1.939797	0.807333	0.414522	0.236755	11.66251
3.184589	202.0803		0	0.986378	1.020355	0.041305	0.303317	17.98324
1.596889	54.92711		0	1.383962	1.194709	0.509403	0.483856	21.92339
0.744429	139.7877		0	1.249241	1.000654	0.075715	0.448174	17.73923
1.980428	276.7582		0	1.95538	0.411495	0.450594	0.510564	6.717384
2.137266	131.2608		0	4.152894	1.340683	0.171269	3.803709	17.03139
1.503987	82.31491		0	0.605291	0.145453	0.065804	0.225504	5.692527
0.635236	236.9846		0	2.42706	0.450212	1.235655	0.100821	9.086541
4.48339	47.9577		0	2.227311	0.382734	1.008247	1.017801	3.35172
2.116285	34.37607	0.024919	2.649357	0.370706	0.12639	1.813724	5.985753	0.621944
0.865553	72.60058		0	3.032416	0.999357	0.046647	0.146534	8.804289
3.694542	23.50959		0	1.684843	0.275008	1.23302	0.573087	3.782664
2.100609	287.8538		0	1.255765	0.856167	0.683307	0.550047	34.86451
4.618917	16.61269		0	0.965061	0.572946	0.124803	0.5397	11.97575
1.518091	443.5198		0	3.622179	2.559738	0.056703	1.955296	49.16347
0.63332	130.0914		0	9.012556	0.934341	0.09955	0.284289	16.35774
4.043101	656.9761	0.009044	2.309575	0.754621	0.051606	2.456254	27.74088	2.483021
1.663541	179.8633		0	1.876776	0.835666	0.052008	1.128779	13.17253
0.706362	14.45876		0	0.292924	0.09709	0.031723	0.076099	1.00379
0.546006	23.78923		0	0.794196	0.89883	0.627596	0.427385	31.69055
1.726239	19.81986		0	1.648492	0.630001	0.081091	0.780231	23.86696
0.328365	186.8121		0	2.399422	0.505502	0.402595	0.742891	13.3235
4.247985	2961.766	0.011702	3.425356	0.408723	0.957077	1.360233	48.03312	9.603882
1.129575	30.48325		0	1.541845	0.419911	0.150652	0.313451	10.97658
0.386909	19.48179		0	2.113614	0.487116	0.737569	0.239455	5.010302
0.523928	0.45536		0	1.143287	0.483937	0.026353	0.135466	0.137152
14.5017	218.49	5.419524	11.73101	4.046207	0.483187	3.33467	0.502931	14.67008
1.001741	12.63672		0	6.606364	1.629462	2.609846	0.885426	1.456039
1.945881	0.901328		0	6.862584	0.152392	6.103118	0.901921	0.473847
0.481453	6.370548	0.013773	0.903614	0.307338	0.506462	0.134659	0.109067	0.109067
2.925378	22.7126		0	2.761879	2.782688	0.459831	0.895341	7.657939
1.05344	120.6581	0.066968	0.405568	0.402831	0.042458	0.10185	16.47521	0.294959
0.18385	12.92581		0	1.230379	0.090973	0.079265	0.093375	0.082504
3.189598	35.26463		0	14.02869	0.836971	17.19828	0.780966	10.81653
0.315991	1992.158	0.395838	3.887184	0.128014	0.977708	0.017917	0.130609	0.130609
9.017093	307.3604	1.688416	7.258646	2.123462	6.363297	1.154857	1.072936	1.072936
5.011798	18.57446	0.012467	6.505811	1.959497	0.561201	1.02931	16.09246	16.09246
1.438306	108.2981	0.018934	3.688491	0.495991	1.884693	0.246828	1.849251	13.2876

6.181687	278.2687	0.078372	2.610466	0.582947	2.302221	0.368933	0	12.69516
1.525397	8.615444	0	5.084992	0.969471	5.08142	0.565375	2.857465	23.19765
0.788891	23.18328	0	1.946939	2.40798	0.059864	0.82059	14.77635	0.633715
0.88343	0.31421	0.023467	3.754327	1.024552	2.14247	0.471624	1.672512	1.447036
0.940703	3.240452	0	2.153115	0.149011	0.21639	0.407851	0.405417	1.578429
14.1629	16.10952	0.031587	10.26599	1.869362	2.523276	0.960781	6.253293	24.99545
3.710173	11.86653	0	3.013677	0.636414	0.602312	0.589734	1.671797	11.39054
0.334427	1.525066	0	0.557927	0.527347	0.011682	0.500401	0.243181	0.865632
10.0839	1125.98	0	4.954492	0.915384	1.067643	0.518966	4.665753	20.26947
0.418909	50.20976	0.060796	2.799738	0.575093	3.040208	0.181622	1.384128	44.07059
0.395172	487.8057	0.058784	2.064827	0.102659	1.587681	0.025544	0.15517	3.642035
4.899039	14.18047	0	20.85004	0.323648	8.476142	1.310179	0.338676	80.65941
1.257965	14.78994	0	6.106273	0.373056	0.926379	0.417712	1.48864	22.95733
0.671458	23.17416	0	1.122147	0.219095	0.457054	0.122661	0.137561	24.24092
0.413998	83.64505	0	1.42452	0.672184	1.805836	0.055752	10.09241	41.36524
0.848991	10.18807	0.024763	4.749033	1.369447	4.254713	0.645631	3.202951	25.63114
1.606637	17.36279	0	1.447396	0.390527	0.223301	0.218637	0.332036	3.250294
7.683752	36.76862	0	14.54816	1.339362	1.913667	2.363915	2.192594	80.4185
12.94223	264.1767	0	20.50711	4.11059	7.473978	0.989687	2.665561	371.9461
0.304535	5.272922	0	0.571566	0.05494	0.951396	0.061516	0.523163	44.02095
2.343742	9.018016	0	9.885817	1.669032	9.379805	0.722611	2.664036	163.1233
10.28587	164.72	0.079417	6.359291	13.9717	1.94688	1.898005	3.493851	42.09083
5.559611	319.4312	0.067975	6.906801	1.011222	7.498768	1.033811	1.016767	7.11887
0.184449	520.3159	0.170305	1.050485	0.220306	0.035991	0.113061	0.524468	5.820206
1.516306	10.74551	0	3.042138	0.999866	0.986249	0.084495	1.693807	3.197368
1.048594	52.2751	0	0.961021	0.275158	0.102748	0.088027	1.015995	2.141386
1.339768	111.3216	0	3.799744	0.171876	4.913862	0.866024	1.636689	3.31614
1.755257	8.201343	0.254738	32.75706	0.296576	55.99364	0.567298	1.512936	39.4001
6.375101	100.033	0	3.915844	0.669147	1.708096	0.515107	1.365422	18.85934
0.773639	2.503582	0	0.650826	0.285075	0.020699	0.203933	3.705686	1.617702
1.572392	1.134559	0	0.74555	0.307128	0.0892	0.324787	0.185691	0.748778
0.174431	7.785428	0.051896	3.915461	0.251745	5.905894	0.155034	0.924652	12.74281
4.603737	174.5811	0.14571	8.889709	5.183479	3.171733	1.934653	14.7011	89.94294
0.385912	167.2651	0	3.830181	0.358721	10.98055	0.04228	0.128418	8.971016
0.126407	6.078133	0.010447	1.054432	0.415548	0.364276	0.124834	0.165452	0.230058
0.468249	7.102288	0	1.558971	0.235059	0.172806	0.087732	4.130295	0.741044
2.279932	11.68137	0	1.496093	0.438731	0.191134	0.218333	5.106226	1.069626
1.434201	19.75486	0	4.033388	0.821385	3.682151	0.662189	2.055978	13.23747
10.30675	430.6959	1.934188	10.1423	4.073479	1.67492	2.588033	4.91877	24.31035
1.87067	0.816555	0	0.72727	0.192844	0.535582	0.296901	2.0987	0.948415
0.95894	64.44174	0.06484	1.461641	0.65005	0.486456	0.164356	0.057052	10.72531
1.012074	35.37156	0	0.831482	0.220477	0.01801	0.092576	1.349677	0.542157
0.576117	22.27757	0	1.15614	0.575634	0.156735	0.402837	0.500295	0.145179
0.741149	56.9949	0	2.618394	0.125842	0.328938	0.246584	0.513569	3.570537
0.899005	11.4314	0	2.070422	0.399974	0.835121	0.131079	0.026542	8.089778
0.120928	3.795338	0	0.161396	0.126048	0.196419	0.054283	0.15828	0.220085
10.78449	132.847	0.084213	5.695055	1.685139	6.954249	0.834791	0.750239	16.52107
2.363249	1.043359	0	3.833108	1.326393	1.32079	0.919389	1.432042	3.472697
0.537784	1.988948	0	1.520448	0.421102	0.469426	0.184906	2.740696	2.373992
0.807429	0.176448	0	1.867275	0.508986	0.083153	0.517421	0.564856	1.641783
0.345335	154.8767	0.012379	1.874143	0.222178	0.192277	0.31601	0.375761	0.681507
4.530268	90.86795	0	5.494437	1.609753	2.147105	1.234552	3.989716	6.823989
17.99491	128.8932	0.192234	7.80008	2.294018	1.535653	1.670647	0.68503	48.62791
0.131896	12.87465	0	0.612119	0.138441	0.192245	0.155013	1.883301	0.549925
1.440218	28.69506	0	0.805001	0.348958	0.069402	0.237835	1.011334	2.755082
0.49293	1.199349	0	3.376807	2.200935	1.685236	0.572536	2.05653	27.01446
3.374299	1147.632	0	2.059977	2.72929	0.244798	0.539293	5.387225	2.510439
10.49348	311.4508	1.253028	13.07617	5.130608	2.881469	2.076419	3.251483	107.9768

0.518412	0.46934	0	1.056378	0.502357	0.216524	0.62233	13.90037	0.485226
12.98878	2458.905	0.019206	26.20992	2.049748	10.08251	0.834585	3.853056	52.9274
0.644072	265.7732	0.012607	0.343561	0.146771	0.055948	0.05478	3.06147	0.018508
0.163963	42.00918	0	0.123093	0.118319	0.121501	0	2.851217	0.792912
0.187685	0.123577	0	1.140026	0	0.128734	0	0.066997	0.354002
0.698903	37.92183	0	11.73889	0.683852	1.943936	0.172285	4.511882	2.664697
1.820806	50.30224	0	4.980566	1.144807	2.975421	0.553524	14.15773	30.90707
0.08543	1436.326	0	1.014511	0.291427	1.530852	0.025101	0.213471	5.325917
0.286328	13.06493	0.017037	0.361129	0.264473	0.032405	0.101795	0.067459	0.062533
4.377833	32.67874	0	3.065767	1.248665	0.440626	0.503328	6.930428	1.73837
0.290245	22.03768	0	0.639167	0.325804	0.182491	0.083384	0.455875	0.323985
0.988531	664.6602	0	2.062097	0.196033	0.170804	0.048777	0.148153	10.66275
9.867289	212.0036	0	9.949779	2.898132	5.962408	1.28683	16.74885	69.36774
2.717321	2.746161	0	6.779861	0.621839	27.75155	0.603439	1.082785	130.2837
8.252111	7.89883	0	16.75699	1.232947	19.81687	1.204296	1.855683	41.80068
0.615624	1.505822	0.016066	0.61623	0.202638	0.071303	0.157081	0.593731	0.872747
1.119452	8.092649	0.951577	6.205173	0.388724	2.000425	0.204026	0.594905	5.900716
1.621025	0.844362	0	21.53862	0.320482	63.64518	0.645921	0.523166	8.292945
0.899678	269.1759	0.199576	5.652218	9.419434	0.446582	0.752444	225.7216	47.174
0.204194	0.284408	0	1.202785	0.362708	0.125918	0.203062	0.308383	2.487042
2.018555	70.08328	0	4.705179	0.814895	4.965711	0.43341	5.099336	35.39096
0.832969	373.2672	0	4.055247	0.255006	1.642601	0.08158	3.568114	16.20721
1.99478	99.21108	0.095722	1.98064	1.253731	1.031692	0.36395	6.31676	2.740398
0.215406	6.227498	0.021362	0.355769	0.310881	0.027087	0.116032	3.214118	0.062725
0.069773	0.436438	0	0.257145	0.027463	0.047858	0.01025	0.024907	0.013853
3.492957	941.8676	0	4.861117	2.374224	2.550414	0.279196	4.011441	48.21539
2.168332	9.496281	0	2.421727	1.002029	0.856282	0.189873	2.264877	12.15383
0.16764	29.34569	0.064355	0.58461	0.085851	0.448813	0.017478	0.063703	4.452484
15.74285	119.3636	0	12.69855	4.767144	10.94485	1.466425	15.45413	160.8223
0.679924	94.61653	0	2.589573	0.167537	1.595308	0.160793	0.390705	11.04643
0.583557	9.985217	0	1.59906	1.094874	0.31646	0.188605	2.692418	11.75697
0.534249	57.19488	0	1.01273	0.298781	0.100772	0.086334	0.026223	0.204187
1.306658	165.938	0	1.941372	1.352653	1.961417	0.674371	30.13995	48.01978
0.350685	422.8427	0	0.833696	0.506121	0.013781	0.070838	1.549139	1.659413
26.12173	11.61011	0.012583	3.645231	0.903428	1.132872	0.300738	1.29542	23.9613
0.664788	26.21662	0	0.592131	0.162618	0.913898	0.009104	1.172461	9.006542
0.252157	5.986214	0	0.420675	0.181961	0.052848	0	0	0.152973
1.972318	97.68537	0	1.638635	0.797026	0.173613	0.12749	0.051631	1.80914
2.228362	2.332838	0	2.881957	0.645108	2.3124	0.148715	2.581115	9.575419
0.17085	3.75645	0	1.148263	0.129159	0.606164	0.026295	1.405623	10.42987
11.44629	388.9003	0.498483	4.899031	2.036325	0.973069	1.011786	22.16109	5.912541
2.648352	34.77355	0	4.5445	0.973354	1.869411	0.505061	11.65865	41.0442
0.642465	30.57045	0	1.72739	0.797848	0.267734	0.144868	1.87738	5.808272
17.56782	1678.876	4.084067	15.46441	2.611033	4.490135	0.589846	1.620186	122.3463
2.636641	142.3608	0	3.505732	0.320928	2.771294	0.256675	0.311842	30.97706
10.29421	530.5138	0.189054	7.880916	2.311085	1.114703	1.930528	0.74855	24.64716
1.786725	161.0567	0.007404	4.700375	1.709533	1.544284	0.579077	2.97049	7.554296
2.006432	12.92746	0.024873	1.079519	0.217182	0.141923	0.216159	0.459581	0.511231
2.246099	115.8035	0	2.1514	0.111781	0.931342	0.187742	1.292531	0.718895
1.858389	141.8702	0.092149	1.720702	0.655623	0.516069	0.183526	0.04054	1.059761
0.693994	143.0134	0.029496	5.160459	0.934824	6.495343	0.395192	18.37473	112.563
15.70048	723.945	0.374813	17.44988	3.772793	5.242764	0.687103	3.091782	28.75211
1.776093	149.3498	0	3.904901	1.403723	1.754838	0.820045	1.245371	39.29722
3.732515	345.2138	0.237789	5.544279	0.54215	3.037789	0.297066	0.251071	27.77158
4.635836	101.2029	0.146207	10.89592	2.009545	3.398852	0.714736	4.438251	44.61222
16.75269	34.23714	0	17.6436	4.656669	2.205864	2.550122	5.477205	47.32654
0.814681	180.6779	0	2.109009	0.445985	1.165763	0.113493	5.515451	17.11748
0.941873	43.25599	0	0.771382	0.123577	0.242264	0.138369	0.336218	1.870017

0.173853	32.50939	0	0.47461	0.11405	0.149058	0.153243	1.179134	5.004976
2.193463	58.06575	0	3.655711	2.627518	0.972291	0.035446	16.36459	9.676706
0.570537	5.986097	0	2.112283	0.710622	0.560199	0.315749	0.767224	11.31672
0.8634	256.2238	0	11.22388	0.163959	2.303589	0.312096	0.089217	8.981585
1.00058	90.29438	0	1.284264	0.62887	0.228307	0.130398	0.253479	2.749162
1.737381	2354.93	0.457429	2.931831	0.554746	1.899573	0.198768	0.120745	10.37579
48.01089	1464.73	2.008592	19.70914	7.202912	2.014958	5.468818	8.926082	57.52233
2.268037	9.463255	0	54.38777	0.948786	58.7925	0.451503	6.969732	112.67
0.443521	0.347999	0	1.442861	0.170695	0.780816	0.334473	0.116103	2.873615
1.05524	92.46651	0	3.144829	0.576879	1.146011	0.516746	0.565029	9.462858
0.298676	84.10849	0	1.580271	0.24632	2.977846	0.114919	4.41194	15.77941
0.996459	224.4726	0	1.49616	0.761361	0.276407	0.094722	6.674671	3.328356
0.819388	35.23151	0	2.157343	0.582957	0.756457	0.354344	4.237056	2.810296
0.674111	0.441294	0	1.44817	0.404128	1.74103	0.134075	0.753375	7.746226
1.543121	20.66529	0	5.138603	0.749712	1.786768	0.296278	8.279018	29.56365
0.962124	18.81613	0	1.966103	0.916111	1.362983	0.141931	4.232518	11.01192
0.699024	32.5548	0.703424	1.28109	0.356067	0.048475	0.880439	0.766934	1.167433
7.921949	863.8357	0.021119	11.14854	5.737109	0.696256	2.064812	5.128695	34.4475
6.472577	72.98109	0.343105	5.692527	0.37449	10.27828	0.302841	0.113209	5.446566
0.237109	9.469106	0.019595	0.5538	0.209125	0.124235	0.021287	0.155174	0.316457
1.168048	5.496515	0.009817	2.546472	1.114321	9.951847	0.095978	2.954019	14.74378
2.250248	45.06065	0.022875	6.387965	0.77677	4.660268	0.969152	0.905732	12.8403
1.988158	99.28208	0.107764	2.4534	1.312712	0.523807	1.430826	1.801565	0.720748
1.980229	8.861664	0.044802	3.651579	1.651735	0.156225	0.839555	2.306086	3.272341
3.368571	127.4571	0.011261	4.887341	1.212679	1.720563	0.599407	46.3694	27.29471
1.096686	49.82426	0.029662	2.305307	0.661888	0.188056	0.547783	8.142805	3.919294
14.35576	88.16706	1.82512	8.484081	3.348726	1.755377	2.22547	5.53867	22.22016
1.137757	21.16301	0.009616	7.648591	2.304469	5.694447	0.679032	3.223752	65.38187
2.979725	112.5056	0	6.345356	1.617391	0.261763	0.964737	1.850664	2.962167
2.553985	30.31459	0.009546	4.663363	1.583685	2.420824	0.757004	3.628432	25.33842
0.235085	54.53359	0	2.339713	0.184182	1.34295	0.108542	8.835318	7.965294
0.858517	288.9152	0.036489	2.136128	0.212407	0.94849	0.198194	1.059485	2.249966
0.85842	2.033851	0	4.922488	0.448113	3.238378	0.295149	4.016159	16.83294
1.929843	285.4105	0.012321	2.051958	0.537918	0.538993	0.441693	20.13158	7.127022
0.508809	29.51974	0.015769	1.941745	0.566047	0.519859	0.256948	1.956289	2.083542
0.454209	297.8988	0	1.193472	0.819413	1.941072	0.160562	2.117924	1.534464
3.555932	32.93454	0	5.430886	0.617257	2.483566	0.503548	11.08393	4.163235
1.790169	263.6754	0	14.27029	0	11.63425	0.31559	1.022451	12.86636
1.52241	17.97394	0	1.895594	0.643082	0.31518	0.260022	0.583216	4.865695
0.065145	0.720843	0	1.021603	0.052233	0.546127	0.245638	0.085266	2.16572
0.305871	0.775369	0	0.564231	0.18919	0.173084	0.169469	0.92652	0.343549
1.447627	5.919772	0	1.050155	0.352124	0.122723	0.236564	2.171535	1.065697
0.421667	1.498198	0	0.537557	0.149271	0.270125	0.089998	0.718526	2.102446
1.034015	55.88798	0	5.851103	0.964429	8.650775	0.522887	1.24292	32.13786
0.491393	49.7513	0	3.395725	1.332946	0.011167	0.736685	0.302214	0.762866
0.666129	77.46148	0	0.83348	0.721036	0.244316	0.029902	0.726569	0.606168
0.577355	22.80291	0.01342	0.744979	1.718596	0.025524	0.189516	34.0768	4.984584
1.430276	37.73242	0	1.42336	0.768084	0.721518	0.268758	1.110175	10.24274
1.54906	2.317525	0	1.975648	0.966771	0.062048	0.889194	0.164395	1.280089
1.31244	45.9598	0	2.305599	0.492482	1.089256	0.21209	0.721487	6.621206
0.799381	130.4291	0	5.721198	0.756311	3.576902	0.287066	8.091338	85.19602
0.575525	48.59942	0.019458	1.630076	0.132144	2.245178	0.105687	0.256805	8.51282
7.958966	6.112866	0	8.457064	2.221596	2.309624	2.233123	10.44023	96.69036
0.356233	1.873052	0	1.522337	0.098871	0.872233	0.055353	0.537999	5.266463
0.641794	27.09279	0	0.403384	0.204639	0.021115	0.084418	0.439551	0.945303
0.618741	15.00671	0	1.320194	0.516994	0.076783	0.026313	1.918085	1.422431
6.484073	102.787	0	9.421628	2.837601	1.578135	1.892842	2.299669	29.96649
6.228615	412.6619	0.176299	12.85175	1.425374	3.017898	0.978878	0.982438	9.17417

0.186571	22.95193	0.032651	0.247175	0.126713	0.082804	0.017735	0.21547	0.023969
0.491597	94.63664	0.03324	1.442692	0.225747	0.737603	0.39721	2.544521	2.342469
0.470001	10.32328	0	2.31141	0.707815	1.227019	0.231158	2.0595	2.097562
1.43192	155.133	0	0.836109	0.841947	0.050018	0.085703	1.874212	0.521211
1.288451	3.277275	0	8.095289	0.819082	8.4266	0.495746	2.619986	100.4641
1.790263	0.18929	0	4.473521	4.18684	0.332758	0.802454	255.4815	17.20914
3.434415	539.5529	0.010137	4.154002	2.330815	0.661953	0.682738	8.829931	13.40889
1.457708	11.91101	0	2.622014	0.832983	2.644914	0.155449	3.486638	28.10282
1.130997	31.44671	0	1.240967	0.753367	0.030769	0.4042	4.48372	0.308757
3.822756	33.5593	0.76238	1.728241	0.957921	0.103009	0.420889	8.841402	0.972494
7.813459	300.2875	0	5.821084	1.334261	1.561	1.421688	1.053915	3.19142
1.290098	105.0892	0	2.224022	0.942451	0.225319	0.025738	2.063824	11.20055
0.166503	25.80702	0	2.962502	0.564712	5.88872	0.04036	4.576579	89.96368
0.520839	13.66361	0	3.028083	0.454512	0.965294	0.156591	0.570739	9.179317
4.341857	388.0681	0	4.022483	1.266597	1.176195	0.5225	1.450971	40.25005
0.620179	62.58086	0.00961	1.163979	0.223766	0.097484	0.062638	0.152201	0.084653
1.243775	7.748234	0	2.28991	0.619723	2.248311	0.167495	0.813976	2.263635
0.377335	82.15012	0	2.151004	0.756878	1.48984	0.403069	4.570538	3.938852
0.425893	194.4991	0	2.363251	0.454317	1.624139	0.209465	0.654389	22.72765
0.518903	99.74555	0	2.095568	0.550915	3.678857	0.173492	2.271748	4.038079
3.120802	34.10428	0	7.189047	1.203069	2.020674	0.601177	1.136157	24.20861
0.130933	2.192968	0	0.344037	0.165346	0.061743	0.052897	0.44986	1.179555
0.574912	2.763987	0	1.711549	0.844038	0.355242	0.336382	1.245501	0.974162
13.55252	18.1024	0	10.1744	3.463659	3.328564	2.737603	7.886636	22.49299
1.98868	23.96828	0	5.15544	1.547181	0.923131	0.376605	5.734611	8.584624
6.400854	1174.637	0	11.17005	2.987881	5.089338	2.040231	1.812409	64.5595
0.677874	43.45047	0	0.848176	0.782665	0.170485	0.146059	0.975982	0.937621
3.449796	108.0437	0	2.819163	1.738523	1.408106	0.621459	8.283113	10.38736
4.021839	2.720442	0	0.966805	0.420399	0.428951	0.264265	0.541795	1.897338
2.081373	853.221	0	0.866878	0.483147	0.027454	0.344973	0.133356	0.105959
2.146818	32.31167	0.230165	3.775149	1.609661	3.198193	0.28129	3.442795	14.67116
2.407951	35.65885	0	2.582487	1.396302	3.507871	0.10423	3.123579	14.22715
0.47162	83.82979	0	0.668786	1.418038	0.061777	0.105852	8.179143	0.48639
13.9759	52.65223	0.040885	7.613838	2.102335	0.550828	1.532315	1.834674	6.932926
1.185364	332.754	0	3.200872	1.352693	0.060664	0.749883	0.306692	2.016851
1.227376	8.986598	0.007973	6.792083	3.078664	5.995075	0.961403	59.20153	61.32481
0.903885	442.9478	0.007268	0.968353	0.359624	0.327166	0.118433	0.422071	6.67977
6.393988	276.7817	0.174924	5.749218	1.304653	0.64462	0.819487	2.68384	21.50815
0.65933	1.095521	0	2.434157	0.559746	1.353392	0.22563	1.431538	5.437943
0.966867	34.02172	0.047943	1.403337	0.558167	0.334354	0.156245	0.253103	14.49968
1.0976	205.1537	0.07559	1.510686	0.586702	0.632605	0.303831	10.57518	2.596882
2.919061	92.6415	0	1.219836	1.049815	0.240556	0.15266	2.262745	3.074091
1.239297	64.59435	0	3.778512	0.310267	7.120187	0.081743	0.148968	9.22447
0.528454	52.83428	0	1.343879	1.731497	0.408595	0.176951	48.24953	9.825655
1.628687	208.0237	0	2.726925	1.31903	0.596739	0.681657	8.879764	10.31273
0.36687	0.773347	0.008145	1.397671	0.276594	0.557737	0.035395	1.311562	0.562058
0.061696	0.670272	0	0.254747	0.055651	0.08728	0.074775	0.030282	0.101057
2.383451	118.1261	0.02026	1.94272	0.746946	1.207435	1.320564	1.283514	16.35975
3.369828	62.79813	0	1.791328	0.392701	0.927786	0.169119	1.972488	2.37701
6.586325	730.8531	0.188415	9.603945	2.102204	0.985511	0.614047	0.994697	23.85859
4.611311	178.4731	0	2.884906	1.941102	0.226512	0.077624	4.715355	3.566793
1.666829	59.64048	0	2.511132	1.255462	0.502836	0.580437	4.032803	6.226503
8.251123	928.8744	0	7.567254	1.180103	1.205831	0.720745	1.692931	35.74812
0.752277	91.30918	0	1.167815	0.717675	0.012025	0.123628	0.750997	1.253095
2.490671	66.68494	0	5.752444	2.163644	1.660763	0.974183	25.69579	27.16306
1.312888	93.17294	0.058299	6.06092	0.989824	1.644791	0.569988	2.539147	12.71028
1.411085	196.2042	0	1.06502	0.337606	0.241968	0.402407	1.214833	0.60976
1.356924	178.1603	0.025231	3.208889	1.713566	1.679666	0.520786	4.329126	13.81721

0.418319	42.94114	0	0.724726	0.603732	0.267063	0.1664	1.086634	1.574192
0.08187	0.889446	0	0.358535	1.457282	0.656316	0.099226	1.125162	7.003066
2.033286	507.1005	0.073772	4.374628	0.894668	2.373661	0.59104	0.657218	15.59635
0.380835	21.40605	0	1.119297	0.853688	0.634286	0.104754	29.43078	11.16642
2.02319	269.4415	0.055223	1.114779	0.375038	1.347935	0.089985	2.988239	10.13435
0.544989	406.8028	0.454787	2.414946	0.441234	0.513991	0.236285	1.409252	5.428639
1.753818	97.21454	0	1.529022	4.633678	0.133392	0.845677	1.666116	4.417175
0.471234	268.3011	0	0.746854	0.2267	0.148144	0	0.411192	0.971982
0.814398	1.054761	0.016826	4.271308	0.530548	0.202687	0.539221	3.530959	4.792387
2.045476	55.35316	0	3.634129	0.920753	0.911841	0.191314	0.335737	15.1829
10.06368	135.575	0.123959	4.128887	1.147139	2.448387	1.04621	2.114256	11.99731
0.994838	28.76595	0	3.837726	0.839382	0.577387	0.519396	6.0699	4.779922
1.550122	503.3206	7.290403	7.382081	0.881318	2.126479	0.809694	1.414099	16.6193
5.155114	192.7114	0	16.29238	6.834616	5.609211	1.79267	97.22152	29.90754
1.50361	81.71685	0.098679	2.312969	0.574429	0.715995	0.238218	0.31836	2.752624
0.567777	87.29197	0.134369	0.697503	0.167612	0.066935	0.302366	0.532029	5.382751
2.564961	157.0551	0	1.377963	0.91697	0.210837	0.47534	1.617013	1.284814
0.981958	1124.525	0	4.309745	1.548015	2.293894	0.927691	7.830231	57.34229
0.87403	28.32431	0.016669	1.817079	1.803199	0.052841	0.814863	5.280002	3.560741
0.75849	5.587181	0.025643	0.440012	0.895648	0.048774	0.167143	0.473824	0.715314
0.734428	402.3562	0	1.198616	0.414764	0.722771	0.025801	1.065766	17.71337
0.680781	13.55946	0.029496	2.540555	0.915754	0.710629	0.405877	0.570971	7.174182
0.875021	35.54304	0	0.974419	0.27362	0.701464	0.129619	2.46239	26.91347
0.879966	10.60295	0	2.089974	0.392545	0.754469	0.491244	2.13601	7.023362
1.427465	1.011399	0	1.001762	0.671794	0.395102	0.225663	2.55887	2.677014
0.695676	9.206887	0	1.557316	0.556777	0.936445	0.214622	0.844335	2.251375
4.339005	179.6725	0	4.898581	0.934089	0.815951	0.469589	12.00679	9.923367
4.988777	8.127489	0	6.853645	0.694414	0.459755	0.634307	0.248593	8.309753
3.362578	409.4557	0.454733	4.165286	0.419122	1.549623	0.185247	0.630174	2.052913
0.954249	0.203276	0	1.601345	0.594089	1.623481	0.211656	15.35532	9.602959
0.058575	4.318195	0	0.577952	0.012077	0.520867	0.013522	0.032858	2.686447
0.390659	2.369655	0	1.065594	0.084572	0.718457	0.073652	0.460194	1.052263
0.060607	2.667508	0	0.223998	0.040371	0.092334	0.007534	0.054919	0.906175
0.747277	4.582433	0	0.658251	0.747757	0.592009	0.064405	0.117372	1.555865
8.023963	48.35741	1.316952	2.574134	0.517166	1.663277	0.397403	0.634559	20.65445
1.30751	61.96563	0	5.221553	0.851791	5.669025	0.352155	1.28353	80.29269
2.259717	1985.654	0.018121	3.941631	0.90543	1.740567	0.413399	1.60242	7.94146
0.427301	78.06207	0	1.078405	0.288666	0.471592	0.073459	0.321292	0.516244
0.743353	21.7697	0	0.994809	3.428402	0.060963	0.574513	0.126908	0.388218
5.403501	0.014078	0	5.97694	2.648132	0.659935	0.879486	40.02343	11.18978
1.217389	21.14942	0.024472	2.050191	1.210891	0.899899	0.265851	2.58392	10.06009
1.975065	73.83511	0	1.779308	0.789365	0.444189	0.31917	4.53391	7.664713
0.161224	2.262425	0.09993	0.726223	0.310246	0.468833	0.238826	2.057476	1.907252
0.610837	112.805	0.008492	3.394341	1.021647	0.436109	0.341337	1.7933	12.8667
1.114854	111.5394	0	3.286985	1.843033	2.198473	0.687884	2.546986	8.632485
1.23425	50.06029	0	0.593023	0.28501	0.139686	0	1.550866	5.391118
1.937446	341.8086	0	3.405143	0.36849	2.25219	0.533953	2.948703	3.706501
1.049028	696.1606	0.007881	2.736522	1.643984	1.873791	0.308223	30.54001	19.19615
3.559696	128.3214	0	5.629313	1.758073	2.795562	0.743663	10.68254	77.1809
4.05534	66.38699	0	6.783357	2.130629	5.887995	1.130559	61.48381	40.50268
0.377661	80.87116	0	1.163942	0.200809	0.412419	0.064242	1.404889	0.520925
1.917144	44.43057	0	2.739435	1.131442	1.142666	0.35703	2.994384	16.60782
3.903095	45.79589	0	3.867868	0.563309	1.214762	0.441517	0.459782	47.73567
7.821165	1.100442	0	6.930825	2.245026	2.947796	1.391339	6.363777	23.40166
0.04269	0.684641	0	0.183138	0.096819	0.023007	0.029566	0.55078	0.013319
13.07777	371.4073	0.133858	5.607059	2.4134	0.487983	0.860371	5.623955	11.75865
1.432921	138.0649	0	3.103798	0.915363	2.791456	0.303684	0.276716	21.70094
0.88611	101.0812	0.01345	3.203995	0.587234	1.833444	0.175341	0.532566	37.02613

0.485539	39.9528	0.217828	3.066535	1.090051	1.540946	0.33627	2.1789	16.17532
20.52057	166.4755	0	22.84311	16.89773	5.815169	7.075574	27.6116	46.61674
2.549884	34.70491	0	1.571002	2.740488	0.650553	1.039544	2.130315	15.33552
0.12177	30.22313	0	0.331813	0.175743	0.008507	0.014576	4.197084	0.078798
4.874022	58.87125	0.04421	3.770673	1.329666	0.546571	0.576322	3.150856	4.024214
0.232426	30.72199	0.0461	1.372662	0.536712	0.263047	0.651038	4.441575	2.199643
0.179972	4.42254	0	0.733463	0.111318	0.630445	0	0	0.767387
0.477199	33.60474	0	5.267262	0.595641	1.982682	0.166735	9.520868	9.407837
0.455341	5.533998	0	1.025526	0.308668	0.162668	0.10034	0.677258	1.491674
0.680152	54.32159	0	1.554049	0.213396	1.115594	0.023894	0.58059	2.680229
0.854929	8.201444	0	13.62649	0.296602	0.093035	0.225832	0.387346	0.017953
4.02082	24.18067	0	14.81455	1.045207	11.34359	1.366936	0.341246	183.5349
0.516311	153.6496	0.02259	3.898947	0.416412	1.160074	0.196319	2.444769	20.56223
0.69577	41.28505	0.085459	1.792252	0.85676	3.371281	0.082522	10.65244	23.96408
0.700137	1.334448	0	1.839668	0.771142	1.198992	0.35729	1.049032	15.51206
1.248321	68.57161	0	5.601181	2.199655	2.669503	1.196295	25.02152	14.61419
0.215011	7.472375	0	1.916177	0.440443	1.295187	0.156916	1.171087	5.528891
2.221835	71.82511	0	2.64582	0.884588	0.216772	0.588095	3.986125	1.213103
1.686632	10.94726	0.0386	2.259714	0.56174	1.101254	0.041932	0.611335	3.570207
1.066307	3.084176	0	12.33005	0.199861	9.011741	0.246164	1.305041	51.53557
0.765185	8.759483	0	2.093564	0.490819	1.748028	0.219829	5.441676	4.32639
0.803308	2.790335	0.26826	3.716906	0.02366	6.030019	0.768289	0.579362	12.17337
0.127904	2.883706	0	0.16107	0.029773	0.027239	0.033337	0.032402	0.09912
1.598784	3.5382	0	0.452275	0.200645	0.007284	0.124813	1.516389	0.590382
0.818551	183.6638	0	1.655434	0.482188	0.535669	0.134977	2.88618	4.961743
6.526701	1421.539	0	9.423203	1.117576	3.213367	0.56013	0.115833	10.17919
0.590004	148.0904	0.079788	0.778498	0.580578	0.08431	0.476722	1.263673	2.420908
0.39295	8.263467	0	1.500889	0.18904	1.4889	0.100264	0.406045	3.477922
3.129576	42.40674	0.076633	5.018051	0.557619	1.099248	0.291372	0.530994	3.417443
0.17046	131.8333	0	1.991894	0.192533	2.390499	0.011977	0.698437	21.43031
2.768225	144.9002	0.053829	3.341439	0.261124	0.784939	0.614002	4.404765	4.781246
1.77584	36.55757	0.01016	2.389489	1.005467	0.998459	0.430463	7.321742	3.580038
1.551691	123.7595	0.040674	5.624431	1.726453	10.24404	0.39767	11.81009	28.88726
0.30953	8.406914	0	0.800407	0.148908	0.16218	0.222311	0.270092	0.938894
2.172529	13.40821	0.084491	6.993046	2.10056	1.714162	0.504821	45.77606	10.45081
1.448814	33.04295	0	1.781944	1.267935	0.276189	0.149443	4.418033	1.817709
2.644545	24.55638	0	14.82264	1.258912	8.585811	0.447495	23.43236	232.4904
0.524441	60.72065	0.010988	4.247717	1.19397	1.233047	0.513271	9.368326	21.82639
4.690448	40.65054	0	8.706382	1.336358	1.216866	0.662308	0.536438	9.282387
0.793498	532.0011	0	5.003958	0.429452	1.721241	0.320572	0.545262	10.39783
0.419639	2.402054	0.010068	0.802842	0.166062	0.989428	0.043751	0.132885	0.93126
1.609261	26.53792	0	1.964629	0.75971	0.241135	0.267347	0.767728	4.22077
0.173657	0.444551	0	0.575432	0.077781	0.355798	0.135476	0.094054	0.745446
0.888766	3.266584	0	5.158588	0.938093	9.708279	0.471602	0.937576	8.517374
0.776036	18.3825	0	1.556259	0.30685	0.235611	0.154611	2.441945	0.859026
1.732854	1.041255	0	0.99008	0.22132	0.802684	0.594751	0.24086	4.437569
1.410337	147.9114	0	3.455012	0.830249	1.365123	0.119953	2.550343	8.510881
2.132879	34.51426	0	2.275679	0.776177	1.786777	0.355536	1.607818	20.38101
27.47724	18.26359	0	15.45196	2.647679	4.772518	1.818444	12.854	72.13334
0.208577	0.169299	0	0.291575	0.134943	0.074615	0.069736	0.056483	0.251324
0.533297	3.361827	0.675787	2.520825	0.085519	4.712959	0.542618	1.551159	37.78811
1.242205	86.73828	0.026026	2.364264	0.833271	1.699574	0.424098	0.755699	33.12836
2.749583	0.304503	0	3.976932	0.291251	0.793025	0.394055	1.023533	8.961582
0.379283	0.208481	0	0.599992	0.195498	0.287446	0.164175	0.55849	2.056059
0.521967	0.077833	0	0.488673	0.141802	0.700773	0.099235	0.192901	1.542296
11.87737	112.4984	10.00025	2.021311	0.491875	0.208929	0.220302	1.137516	2.456276
0.83722	37.64195	0.038321	1.450461	0.483322	0.996112	0.249774	1.264409	3.009927
1.125765	71.45581	0	2.894366	0.778987	0.349063	0.224289	1.877188	10.17133

9.371944	279.0988	0	10.50051	2.075	2.343645	0.717094	14.21828	26.28278
3.396304	467.7609	0.031976	5.293121	0.186139	4.277596	0.416842	3.629435	20.04579
0.670934	13.37345	0.008317	3.52587	0.314703	1.956322	0.099387	1.119669	3.565555
0.264323	0.194433	0	0.868162	0.19074	1.48015	0.160179	0.356778	2.417324
2.135766	52.69052	0.105903	2.405102	0.783447	0.109107	0.287616	0.698866	8.706954
1.101379	113.1126	0.082508	2.415108	0.674701	2.122308	0.409744	11.79186	18.65463
0.410651	405.2389	0	0.779453	0.134188	0.073074	0.087647	0.334665	1.099906
2.335611	461.9872	0	1.934822	0.794278	0.683617	0.802589	1.159565	1.524405
2.821555	7.169545	0.251835	3.262103	0.651547	1.330535	0.592751	0.443169	8.27786
0.468809	194.1889	0.018352	0.944716	0.249274	0.733029	0.099683	2.761267	0.781369
0.276173	5.445105	0	0.783259	0.110717	0.217054	0.024794	0.180738	0.971744
0.208994	6.530493	0	0.394492	0.180977	0.208371	0.135094	0.562729	0.339067
0.937092	6.520317	0	0.504404	0.374261	0.194546	0.152386	0.092569	0.399018
0.560208	2.117697	0	2.789041	0.312057	1.028882	0.111177	0.656062	9.272655
1.863915	41.89888	0.011271	3.083038	1.071653	3.122773	0.514257	22.49231	51.56254
0.444836	109.672	0	3.425734	0.414195	4.452479	0.18551	15.04425	17.89452
0.69281	41.23351	0.022404	0.972396	0.173894	0.340907	0.170371	1.596766	3.355075
0.988499	1.603089	0	35.99525	0.632682	55.16635	0.569511	2.160127	32.77693
0.356976	0.745812	0	1.391516	0.237785	0.284877	0.410467	0.134781	0.179913
1.074526	739.635	0.133203	0.963544	0.409237	0.140751	0.120585	0.293005	2.966004
0.813347	199.0373	0.181486	1.251752	0.293463	0.13424	0.131437	1.197646	0.621713
1.611228	693.9296	0.024457	3.925061	1.02032	1.519584	0.318825	1.807632	8.833071
0.313031	64.76212	0	1.183725	0.786427	0.317095	0.262296	5.144263	4.684261
0.365854	1.211791	0	0.535923	0.528014	0.008416	0.08652	0.035038	0.097441
3.175278	18.4788	0	2.460976	0.585198	0.107722	0.203035	0.650319	15.55318
18.469	268.2042	0.310634	22.15675	3.01377	5.492524	2.212191	9.839551	63.64522
6.153466	123.4219	0	6.653621	2.399664	1.827148	0.995597	18.3623	34.23773
4.190725	253.0507	0	8.818718	3.184471	2.14835	1.013264	2.773744	34.33883
1.04543	349.7779	0.044118	0.434169	0.353124	0.2867	0.095853	1.281001	0.437205
2.980121	77.19432	0	19.05755	0.690837	24.91693	1.696781	1.940206	274.5703
0.795431	1.36877	0	1.202791	0.22797	0.191537	0.255259	0.310122	1.848078
0.673502	71.95041	0	6.74165	0.972022	1.693853	0.362792	8.815337	8.825433
4.034597	53.3384	0	7.578651	0.901449	2.72249	0.231879	5.336043	20.60914
4.364203	32.33462	0.013553	9.097238	2.550988	4.717476	1.295664	0.822846	28.05655
0.450783	6.431848	0	1.516121	0.260234	0.425143	0.145693	0.354012	0.511937
0.911834	21.59668	0	1.369096	0.849026	0.346762	0.261431	0.981734	1.027826
0.133481	9.07439	0	1.257166	0.192644	0.137333	0.088243	1.57239	2.477893
1.21875	4.453299	0	0.873747	0.079232	0.559182	0.177432	1.681424	1.942327
0.729179	7.858993	0	0.860235	1.002263	0.253796	0.252504	0.886236	4.398336
2.888855	159.7866	0	1.974555	0.342256	1.036953	0.325161	0.902965	1.616526
8.477228	66.90911	0.189631	6.364179	1.494833	1.743284	1.055763	1.188823	45.55412
2.674637	143.3235	0.022104	3.547382	0.343123	2.116105	0.528269	1.050234	11.68263
1.430199	56.2589	0	4.917257	0.837611	6.861551	0.60292	6.429772	18.96737
2.982606	38.74441	0	2.339792	0.556213	0.963993	0.27078	1.05273	9.734269
4.275578	450.7543	0.199235	7.796429	2.393921	1.768422	0.965639	17.59775	102.4449
2.441325	126.8673	0.024211	2.981348	0.657703	0.828888	0.341915	4.154023	11.05454
0.309066	23.82938	0.010692	0.863357	0.529041	0.494849	0.220687	1.749827	0.345343
1.085368	4.970943	0	1.288812	0.389051	0.127118	0.114637	0.557105	2.804206
0.059253	3.504769	0	0.474493	0.342066	0.149022	0.095753	0.620443	5.090012
0.684303	10.15802	0	2.962061	1.183353	5.314221	0.338723	48.6083	33.53861
3.990392	117.9571	0.232783	4.158792	1.490584	0.368964	0.733354	1.966286	10.69709
0.261244	29.66716	0.016896	0.324034	0.188518	0.048206	0.082598	0.066901	0.396902
3.351272	13.809	0.026947	7.588583	0.49674	1.708464	0.673296	0.569048	30.14663
1.032038	5.284586	0	4.065568	1.361348	3.778227	0.502124	1.481539	55.57287
1.890136	160.7974	0.093723	2.790694	0.818373	0.564499	0.763613	2.845055	9.150381
8.233959	364.9383	0.109853	18.905	5.435522	7.713393	4.14695	2.102292	82.45423
7.161345	766.7689	0	3.751518	0.761831	0.680381	0.255908	2.003639	12.1432
0.452345	4.220394	0	2.471477	0.788848	1.576109	0.23351	5.797301	13.61113

0.611758	31.65619	0	3.563494	0.659524	2.599808	0.333503	2.286388	13.89179
0.053074	1.201261	0	0.517985	0.105323	0.012514	0.053605	0.364707	0.028978
1.173017	3.775932	0	2.721097	0.689716	0.181456	0.180533	0.584891	0.420194
3.327776	101.0133	0	4.000916	0.597053	4.871272	0.452236	14.93028	69.19641
3.831823	3.861267	0	2.90171	1.2984	0.785625	0.269227	2.878402	15.71836
2.524484	49.62842	0	4.102853	1.321242	2.210833	0.78453	3.703662	9.724159
0.703654	183.1382	0	2.303213	0.446837	1.526352	0.181936	0.442079	7.099811
5.276745	329.2894	0.508765	7.681868	1.561397	0.217233	1.522714	1.617028	63.429
0.600473	31.838	0	1.313195	0.348534	0.572475	0.105474	11.63544	9.878362
0.142074	1.759598	0	1.971086	0.246056	2.974651	0.055102	0.17852	8.414932
5.987898	644.6373	0.010215	3.227162	1.962277	1.075063	0.355098	0.404455	14.3971
1.558483	551.1491	0.035943	2.938637	0.383594	0.398794	0.097616	1.138531	2.717662
1.26473	156.9747	0.035498	2.723041	0.757673	1.541631	0.578434	1.686614	2.058567
7.192001	10.17741	0.084994	17.82255	0.401996	9.483985	1.765842	2.075263	73.54409
7.565375	95.88944	0.076385	10.17705	4.718226	2.130836	1.217029	12.76977	75.24848
15.13073	43.7514	0.026449	17.56607	3.515507	6.120558	0.804504	3.071879	135.7912
1.982381	18.26685	0	3.055989	1.001789	1.237172	0.114072	4.38866	3.057595
0.281142	186.9073	0.011303	0.958346	0.252226	0.802621	0.110511	0.238691	2.306667
0.233653	4.20049	0	1.97965	0.060217	4.249859	0.02697	9.469606	85.71042
1.355694	103.458	0.024594	3.773201	0.88285	0.99792	0.534341	3.960034	8.449083
1.105877	65.07118	0.05376	7.944103	0.792805	5.392122	0.221927	0.312197	7.671801
1.849703	15.27849	0	8.924761	0.629896	7.664022	0.436612	2.285027	23.60268
0.626104	333.5271	0	2.578504	0.335628	0.016871	0.375804	0.070242	6.836943
1.275481	0.249675	0	1.509654	0.265343	0.021674	0.417805	0.225602	0.301147
4.252417	27.57334	0.046089	6.001112	1.173789	10.51947	1.189125	0.486637	8.289063
0.154429	0.268867	0	0.365643	0.120011	0.016805	0.028795	0.09329	0.14269
7.825328	45.90559	0	2.897512	0.33217	0.651198	1.144407	1.04278	4.369226
1.420079	156.6322	0	6.812249	0.67738	3.29152	0.272269	25.61245	7.096435
0.276681	0.183286	0	0.405298	0.097394	0.019093	0.087242	0.344477	0.162119
0.472303	3.4901	0.113932	2.280784	0.294765	1.324278	0.247537	0.15037	0.641198
16.33588	651.5365	0.090599	13.8084	3.008107	2.757128	4.352398	9.778546	357.2577
0.230096	2.049823	0	0.373122	0.132833	0.086803	0.029747	0.180701	0.643228
6.805758	855.7534	3.767295	3.349615	0.825328	2.068433	0.375742	0.34546	7.534704
0.27307	4.618542	0	0.326143	0.161224	0.040972	0.11032	0.243692	0.935224
2.385911	92.21237	0	9.197419	0.647667	5.586717	0.471377	4.610886	46.5047
0.561927	50.20777	0.01032	3.822778	0.180221	2.669455	0.123318	4.630891	8.984522
1.719018	63.31675	0	2.332015	0.544068	1.251486	0.073103	0.473682	7.212162
0.987863	19.67576	0.010065	2.255357	1.113232	0.867862	0.907532	1.381555	13.97915
0.861713	156.0063	0	1.481356	0.252336	1.183717	0.272451	0.760093	3.286598
1.433707	511.2124	0	1.989182	0.916724	1.865639	0.205292	1.49649	31.4702
1.634553	196.0666	0.281914	3.236756	1.059861	0.938355	0.689069	1.116227	5.173636
1.566858	331.8728	0.027102	2.872362	0.44701	2.594634	0.176654	0.429244	15.63758
4.652036	85.97102	0.012744	3.177303	0.729512	2.658319	0.318428	2.422127	30.96614
0.650297	38.99276	0	3.154542	1.389749	0.678179	0.323347	79.45262	3.482286
1.009034	0.388357	0	1.74925	0.154773	0.165503	0.102405	0.114844	7.611801
3.607893	8.564135	0	5.091754	0.66238	2.140204	0.844678	0.951135	14.17199
0.74198	56.2839	0	2.494323	0.530688	3.70944	0.328939	5.723844	6.094644
0.44438	99.33038	0.011397	1.115879	0.751922	0.708143	0.309533	1.895346	10.90989
0.816097	4.554198	0	2.591313	0.366862	0.16403	0.216198	4.465312	1.811545
0.432637	0.603579	0	0.521805	0.163776	0.180603	0.034384	0	0.092937
11.33596	1082.224	0	8.368496	1.363371	4.09829	1.144928	12.98273	109.8607
1.319964	65.00325	0	0.913808	0.798511	0.149088	0.447048	14.2766	3.193472
3.068485	54.34348	0	4.980226	0.695914	2.521876	0.472253	2.75402	3.47838
3.877569	126.4356	0	7.73142	1.464607	3.456151	0.394797	5.682011	116.4929
0.862124	220.2668	0	3.205328	0.483874	2.019815	0.298541	0.134335	4.393316
1.570687	117.2526	0	3.716639	0.932574	1.190705	0.2731	1.795608	18.36744
3.146121	888.3827	0	4.040379	1.062692	1.906568	0.346153	8.516158	19.53124
1.918984	6.254406	0	2.75034	1.08264	0.21389	0.253724	8.425678	6.896091

3.37591	327.1847	0	5.12031	0.853259	4.420281	0.318466	6.493415	61.7899
0.29846	74.6201	0	8.71496	0.022671	7.451923	0.114231	0.061681	24.73509
1.432279	522.95	0	4.694455	0.831888	1.219027	0.282263	3.566467	12.09257
0.888144	1.382001	0	1.791927	0.380535	0.117792	0.40366	1.525747	0.909223

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NFATC1	CD22	SAA1	SAA2	FPR1	FPR2	ANGPTL7	CALCA	CCK
0.697248	0.615942	5.316338	0.130445	0.533595	0.06004	0.435223	0.024091	0.057371
2.827904	21.73885	0.027981	0.028835	0.792174	0.040496	0.946879	0.010059	0.010266
0.995673	0.276735	6.38288	0.158584	0.834642	0.14525	1.873068	0.014431	0.662808
0.740643	0.6783	1.744479	0.540626	1.616096	0.258751	1.212051	0	0.160015
1.076606	1.601834	4.006956	0.011567	0.575953	0.062657	0.437374	0.02421	0.086481
0.708588	0.99231	0.388657	0	1.146195	0.450895	0.405937	0	0.007922
1.004993	0.332286	1.143261	0.031418	0.445052	0.042548	1.469382	0.057539	0.067115
0.906797	1.409131	1.499832	0.039632	0.277866	0.015903	0.815025	0	0.007055
1.22886	2.697069	9.267289	1.075251	6.316494	0.881598	1.103666	0.177209	0.063302
0.96222	1.456549	0.291708	0	0.67962	0.054281	3.469992	0.010487	0.792018
1.830504	0.679497	42.3819	1.678628	4.749401	0.629087	3.487832	0.066291	0.462334
0.951543	0.227098	4.506534	0.521913	2.437817	0.127784	0.49294	0.009258	0.018897
1.967256	10.75323	0.793919	0.031712	0.892982	0.095435	1.457877	0.013275	0.013549
0.765595	2.604482	0.743349	0.031919	1.023036	0.211327	0.42349	0.011135	0.045457
0.877238	1.878858	0.147757	0.006345	0.452094	0.057281	0.707096	0	0
1.56251	5.234443	0.868627	0.009625	0.644551	0.05214	0.459742	0.020146	0
0.846101	0.840402	0.029938	0	1.271397	0.167129	0.429811	0.021525	0
1.817614	2.363763	12.38697	0.437238	5.337677	0.898628	3.289693	0.078123	1.355485
0.627371	2.388397	4.62132	0.310197	2.067817	0.197687	0.526558	0.019096	0.136427
1.103056	4.100412	2.195832	0.11143	0.345864	0.05675	1.714407	0	0.091553
1.325437	4.92083	1.77951	0.008043	2.237295	0.338879	0.288131	0.016835	0.025773
1.296545	3.362311	41.15789	1.809771	0.643808	0.030091	0.815866	0.010464	0
1.120058	1.099387	1.536656	0.042229	2.891272	0.343131	5.746395	0.099435	0.315733
1.21025	1.799171	2.869163	0.918608	1.667652	0.161263	1.647272	0	0.010221
2.214525	0.30339	0.463782	0.042484	0.446797	0.063927	6.552637	0.011115	0.011344
1.618243	1.3711	12.89356	0.23311	2.508288	0.40689	1.623748	0.024395	0.041498
0.797455	0.22579	1.751725	0.045414	3.957378	0.656026	0.564887	0	0.41231
0.659436	0.716418	1.113488	0.122399	0.413759	0.096693	1.14946	0.016012	0.130735
2.454585	1.927428	0.46027	0.022587	1.076216	0.163138	0.899034	0.023638	0.120626
0.669613	0.443123	8.021758	0.058012	1.332267	0.410274	1.067945	0.007589	0.030981
0.729671	3.716717	11.69391	0.299776	0.514726	0.140336	0.80873	0.006972	0.014231
0.83534	0.674252	1.533016	0.017266	1.104319	0.114314	1.159717	0.090346	0.027663
1.701736	8.480708	3.956408	0.988416	1.785542	0.154927	0.481533	0	0
1.089103	3.66366	0.05613	0.019281	0.703512	0.034815	0.642743	0.030267	0.030891
0.568681	0.92462	1.13965	0.174918	3.117825	0.506355	0.132616	0	0.035587
0.67722	1.406842	0.109966	0	0.562122	0.083366	0.476125	0	0
2.229488	0.136633	0.268299	0	0.632995	0.027736	4.952381	0.212193	1.132067
1.429478	1.897561	13.13365	0.385703	2.629002	0.34471	1.442186	0.048927	0.237196
0.7121	1.238466	0.052756	0.072489	0.972395	0.081807	0.577062	0	0.009678
1.414156	0.607275	4.583586	0.119963	1.815209	0.288819	6.69983	0.125544	0.512533
0.894616	0.639094	15.34189	1.29328	5.847611	1.686565	4.50423	0.214296	0.564055
1.0058	1.24912	1.751948	0.062526	1.013209	0.122311	1.197713	0	0.066785
0.709058	0.37925	2.429537	0.236839	2.57552	0.237585	0.067336	0.094422	0.012046
0.183331	0.179947	2.786063	0.401959	0.221843	0.011521	0	0.040063	0.051111
7.986773	0.246743	55.33883	8.16922	2.125791	0.117351	0	0	0.437321
0.4916	0.265938	57.45553	3.44993	4.153075	1.090725	0.007545	0.007935	0
0.954147	0.239116	0.3008	0.33065	1.54354	0.559731	3.022915	0.194643	0.066219
0.168219	0.036692	0.664667	0.088791	0.816741	0.160329	0	1.725698	0.013548
1.021549	1.328389	13.34645	1.062669	2.841233	0.164472	0.030213	0.222422	0.06486
0.451379	1.048151	0.323182	0.012335	0.20121	0.022273	0	22.68121	0.013175
0.075997	0.013011	1.131281	0.899556	0.092674	0.012994	0	0.451875	0.007687
2.130071	0.98952	23.00036	8.077442	19.61026	3.387283	0.065883	0	2.451547
0.719976	0.090625	91.88741	9.227796	0.3521	0.118854	0	0.015896	1.476411
1.810422	0.968332	28.2501	5.327249	5.488257	3.1371	3.725073	0.120542	0.246057
0.713417	1.594247	1.905233	0.355939	2.89809	0.331722	0.022851	0.096129	0
0.817969	0.138716	21.47307	0.558014	5.703877	0.671728	0.121466	1.78842	0.055877

1.943976	0.165291	0.350199	0.048119	4.21373	0.810948	0.119706	0.050358	0.102792
0.541483	0.201042	60.22248	3.604427	6.847342	1.338613	0	5.678236	0.225261
0.67425	0.89838	8.100776	0.645986	0.405279	0.014954	0.012362	0.039002	0.013269
0.721862	0.425905	39.07119	6.462156	3.525414	0.53985	0.010753	0	0
0.162113	0.051146	3.156956	0.298617	0.404792	0.094597	0.015639	0.46054	0
2.279018	0.30504	4.657682	0.174542	15.18456	4.394814	0.144737	0	0.155358
0.312079	0.067792	24.07551	2.916449	1.359221	0.326	0.041459	0.370616	0
0.166697	0.039883	3.754325	0.48362	0.145683	0.005107	0.008443	0.266379	0
1.96383	1.364159	1.024636	0.175987	1.879162	0.20523	0.087561	0.011511	0.152728
0.682381	0.346704	55.47974	4.150331	3.52108	0.395981	0.020893	3.1422	0.209315
0.571722	0.054812	15.76038	2.338792	0.78085	0.293271	0.010775	10.49294	0.277564
0.574591	0.307629	3.233488	2.883197	3.205693	2.731079	2.045945	0.197858	0
0.243515	0.179266	1.580718	0.188868	2.634883	0.426292	0.023492	0.395309	0.025216
0.390935	0.153295	7.358496	1.127879	0.274697	0.019258	0	0.008371	0.059807
0.522349	0.469983	0.825562	0.047265	2.292652	0.113794	0.070549	0.469907	0
1.305028	0.503031	8.431747	0.729802	5.32567	1.249151	0.022694	0.190939	0.02436
0.278818	0.092155	4.249281	0.532898	0.377938	0.013946	0.046111	0.4607	0.09899
1.121955	1.059692	6.743696	1.788582	4.902605	1.776928	0	0	0.207151
0.600794	0.376486	3.678497	0.919905	4.035569	0.827483	0	0	0
1.293599	0.084858	0.22773	0.026076	0.111933	0.015695	0	0.027289	0.027852
0.81451	0.50413	15.31251	1.858963	10.86339	1.792775	0.021021	0.486362	0
0.742447	0.625898	15.75604	3.120651	3.955918	1.247305	0.02426	0	4.557088
1.850075	0.196181	13.36457	2.211971	16.69705	2.135212	0.04153	0	0.044578
0.147659	0.091371	4.464492	0.792943	0.119694	0.010489	0	0.182381	0
0.369436	0.129506	23.30328	3.277191	2.721286	0.582054	0	0.412308	0
0.224514	0.161905	2.878547	0.279853	0.35238	0.089835	0.018565	0.683369	0
0.641103	0.073743	21.72945	2.406528	9.804991	1.767624	0.040588	3.414896	0.043567
2.054032	0.076347	1.365928	0.574785	18.63078	31.63046	1.202282	0	0.012529
0.648361	0.322982	22.47837	2.620175	2.215389	0.191159	0.039504	0.020773	0
0.280604	0.250057	7.768337	0.56377	0.154883	0.004524	0.01496	0.157333	0.008029
0.477333	0.029283	0.51866	0.032394	0.472781	0.009749	0	0.305107	0.380599
1.035854	0.125292	2.365282	0.203125	5.088001	2.164713	0	0.200071	0
1.841912	0.663143	32.55459	2.877726	4.941169	0.538471	0	0.015604	0
0.871489	0.081004	1.591281	0.179221	8.047113	3.392558	0.008917	0	0.086142
0.141769	0.048703	2.436689	0.481052	0.768166	0.185306	0.201049	1.077344	0
0.351625	0.215149	4.113889	0.325401	1.388832	0.139897	0.009251	0.768645	0.00993
0.352298	1.146148	4.782194	0.231372	0.397274	0.013926	0.138141	0.266349	0.024713
0.928714	0.20299	4.743911	0.350868	1.077724	0.276887	0.007759	0.01632	0.008328
4.588148	0.267066	162.2728	8.233215	4.513317	0.496858	0.021617	0	0.139218
0.286603	0.173752	1.532103	0.09153	0.766154	0.055091	0.06831	0	0
0.574402	0.143949	0.840226	0.258769	0.649387	0.047923	0.049519	0	0.042522
0.218447	0.00946	5.026445	0.549386	0.291979	0.031492	0	1.697456	0
0.262801	0.13172	2.960483	0.371873	0.820956	0.091358	0.022656	0.198558	0.008106
0.124683	0.118782	0.6955	0.179184	1.12811	0.233674	0	1.93771	0
0.475321	0.080363	0.727872	0.111125	0.739376	0.061312	0.009215	0.765611	0.019782
0.146926	0.06656	0.321526	0.027612	0.237054	0.016619	0.009159	0.028897	0.039323
2.780918	0.206823	5.446941	0.562296	7.074663	2.526638	0	0.050729	0.031065
0.390205	0.173435	2.996281	0.259812	1.441272	0.324787	0.029831	0	0
0.550525	0.323085	0.410708	0.337031	1.076644	0.084917	0.046796	0.902284	0.351613
0.224827	0.048273	1.480559	0.114433	0.272896	0.007653	0	0.039919	0
0.38077	0.100993	2.00784	0.393309	0.856393	0.130373	0.022688	2.82756	0.006088
1.056432	0.359521	22.69897	2.752624	2.201443	0.485066	0.010415	0.010953	0.089432
0.59567	0.252862	4.432347	0.061965	3.647859	0.367633	0	0.009264	0.07564
0.189613	0.083157	2.391054	0.131417	0.465398	0.029662	0.032693	0.017191	0
0.268814	0.085926	9.098044	0.943346	0.24111	0.017337	0	0.075361	0.046149
0.456088	0.190769	5.897757	0.738627	4.16711	0.673211	0.042	0.331281	0
1.609395	2.149117	65.21712	5.486406	0.91587	0	0	0.212654	0.10852
5.471251	0.212171	4.782911	0.958408	1.863921	0.553313	0	0	0.167132

0.47842	1.408771	1.181457	0.101461	0.461663	0.036641	0.323079	3.270382	0
1.033899	0.179086	4.376936	0.442214	17.72203	4.769677	0.035203	0.259161	20.74479
0.25092	0.705281	2.771505	0.208985	0.049838	0	0	0.048602	0
0.58319	0.03481	0.420379	0.016045	0.1102	0	0.143695	0.35262	0.15424
0.198055	0.029583	0.034024	0.140252	0.421432	0.035174	2.163223	0.318017	0
0.422475	0.240592	5.385802	0.535551	4.472414	0.732599	0.032298	2.683443	0.034668
1.564922	0.517967	9.274978	0.913832	6.721619	1.025727	0.614419	8.839732	0
0.083618	0.138501	0.154871	0.01064	2.557698	0.480309	0	0.04454	0.272751
0.055876	0.045389	119.4474	8.174931	0.175122	0.009444	0	2.348178	0
0.669526	0.608596	7.59123	1.967609	1.506061	0.142685	0.02359	0.074427	0.025321
0.260414	0.047926	3.061113	0.441818	0.751033	0.111689	0	1.646047	0
0.210731	0.037381	2.67849	0.134395	0.186385	0.018667	0.030862	0	0.09938
1.628512	1.711652	16.23832	2.390592	3.550927	0.393979	0.066079	0.009928	0.060795
2.321419	0.147984	19.15432	3.038009	51.04891	14.7279	0.046991	0.008237	1.437514
0.770567	0.090041	6.886738	0.647448	21.16492	4.826203	0	0	0.159587
0.334318	0.23541	1.809134	0.236746	0.228658	0.04453	0.029448	0.046455	0.126435
0.716482	0.125086	1.712004	0.426656	2.643245	0.49972	0	0	0.714362
1.74829	0.484007	2.833986	0.88224	16.84608	12.46966	4.268429	0.318374	0.097482
7.163986	23.12822	2.23471	0.118932	1.169566	0.234275	0.247453	0.577063	0.080838
0.274811	0.070028	0.532475	0.021519	0.33254	0.03238	0	0.551742	0
0.622167	0.293688	2.589663	0.193387	4.366492	0.640188	0.076974	0.12143	0.020656
1.155007	0.125039	1.510035	0.034581	4.423576	0.353838	0.172055	0	0.073872
0.963438	0.844717	11.16357	1.190115	5.71416	0.848973	0	0.507419	0
0.53873	0.508632	20.30312	1.426349	0.050671	0	0.009789	0.030884	0
0.089635	0.141397	0.025297	0	0.268578	0.020922	0.017295	0.081848	0.037127
3.654595	0.245593	2.696271	0.113202	2.217616	0.17963	0.040962	0	0.065952
0.53189	0.380973	1.874404	0.175603	1.495027	0.264236	0.043685	1.408926	0
0.69322	0.064292	1.639116	0.259302	0.400708	0.031214	0	0.085286	0.17409
1.603348	0.819416	79.22725	9.640143	9.868074	2.343164	0.537251	0.996224	3.224829
0.48543	0.156085	0.198417	0.068158	2.184573	0.656384	0	0.142659	0
0.554667	0.158993	5.411119	0.89941	2.831259	0.13233	0.039777	0.167334	0.021348
0.148296	0.095936	4.474492	0.530645	0.290622	0.044054	0.054624	0.229792	0.019544
2.216591	0.931951	44.20021	7.076157	7.016447	0.541552	0.45699	2.893484	0.020021
0.816102	0.065145	1.282062	0.040037	1.529564	0.048195	0	0.335194	0
2.840442	0.117332	1.619372	0.11589	1.432714	0.223211	0	0	0
0.51369	0.156286	29.97352	1.157749	0.377701	0.060393	0.00768	0.355406	0
0.164967	0.013879	0.78218	0.172728	0.04943	0.034655	0	0.100424	0
1.349324	0.026054	3.618392	0.108083	0.29384	0.054212	0	0.018852	0.057722
0.621474	0.143275	0.760265	0.108066	1.785954	0.184292	0.017922	0.047122	0
0.23541	0.100755	2.01172	0.167189	0.354054	0.053669	0.022182	0.828179	0
2.162959	3.424822	4.114875	0.3866	2.219606	0.18179	0.132241	0	0.051616
1.079233	0.350389	228.3349	9.217117	2.128211	0.189897	0.381225	0.978743	0.012035
0.81438	0.155429	6.971845	0.962057	2.882021	0.246406	0	1.542354	0
2.755184	0.141506	6.519108	0.456574	7.260927	1.845142	0.021635	0	0
1.859743	0.180968	3.040639	0.239363	2.223116	0.19646	0	0.022773	0.092969
1.937033	0.075548	4.865866	0.644217	1.509738	0.073358	0	0.036443	0.130179
0.559295	0.63855	0.218342	0.129551	5.104487	0.915185	0.020355	0.064221	0.014566
0.219401	0.082828	3.267533	1.672199	0.530981	0.05515	0	0.119863	0.024467
0.286652	0.738573	4.633434	0.344855	5.397486	0.367231	0	0.333137	0
1.705597	0.04603	4.611721	1.018401	0.376442	0.085134	0	0	0.045323
1.194185	1.424255	1.871568	0.135825	6.988732	1.793093	0.666777	0.094763	0.009672
1.345805	0.491462	47.22982	2.049572	11.35404	3.830718	0.021468	0.022578	0.460876
0.597581	0.324698	48.40376	5.214119	3.03402	0.348704	0	0	0.03094
2.699908	0.063349	7.172126	0.744587	2.932996	1.061087	0.010896	0	0.31578
4.574571	0.494998	2.025275	0.201979	9.460091	1.472342	0.178654	0.023486	1.366321
2.564665	0.523475	827.388	57.67734	5.700767	0.546061	0.019208	0.020201	4.35032
0.453693	0.292241	10.41966	0.750493	1.96598	0.312726	0.019149	0.644437	0
0.460946	0	3.41492	0	0.805679	0	0.11673	3.314622	0

0.467952	0.360146	1.260663	0.4114	0.669211	0.221553	0.021546	0	0.208145
2.295205	0.749741	2.886856	0.210354	11.17096	1.356538	0.089709	0.062897	0.032097
0.34185	0.12002	4.582043	0.471125	1.195024	0.244898	0.010655	1.299839	0.06862
0.848559	1.485712	0.770244	0.638123	3.460753	2.182705	3.469195	0	0
0.309503	0.103929	16.73455	0.972825	0.702318	0.013308	0.022001	1.295742	0
1.712282	0.137095	0.613193	0.273831	4.340105	0.735335	0	0	0.067495
2.90409	0.508009	429.6513	5.47931	2.734004	0.408721	0	0	0
1.144649	1.359626	60.10647	11.16798	63.57806	13.86396	0.044811	0.047127	0
0.169123	0.043942	4.304239	0.891184	1.582364	0.243817	0.020155	2.925111	0
0.312008	0.182166	13.00823	2.562802	1.899332	0.276864	0.021797	0.06877	0
0.425895	0.26773	3.233233	0.194851	5.035239	0.774044	0.038779	0.183525	0.020812
0.532482	0.464582	2.571486	0.642425	0.896244	0	0.159817	1.932899	0.085772
0.465954	0.28013	1.58793	0.260878	2.674052	0.428237	0.157331	0.355746	0
0.957836	0.154124	4.963411	0.660683	2.781156	0.718353	0.007069	0.899589	0
0.822487	0.50709	7.738611	0.167452	4.366737	0.289766	0.270772	0.153337	0.089428
0.865029	0.266981	1.464814	0.08751	2.36186	0.263357	0.076195	0.028619	0
0.529182	0.127308	5.042766	0.999915	0.241816	0.016953	0	0.014739	0.030085
0.926681	0.393838	10.02194	0.3501	1.352556	0.140482	0.019354	0	11.55071
0.819687	0.656978	0.344955	0.671478	2.933251	2.638909	2.515492	0.041336	0.970342
0.163987	0.006525	2.784408	0.559448	0.278882	0.021724	0	0.169977	0
1.860639	0.418436	62.0337	5.677654	2.460474	0.663877	0.2519	0.009461	0.086909
0.888186	0.330097	20.3	3.497174	1.712208	0.367727	0.006988	0.198427	0
0.538937	0.450572	36.43599	8.270603	1.344357	0.305318	0	0.969402	0
0.80053	0.663914	12.6422	4.218955	0.681903	0.080713	0.020529	0.010795	0
1.502686	2.197431	6.219187	0.6015	2.804584	0.268408	0.299272	0.054266	0.033231
1.32165	0.553146	3.658121	0.21854	0.492505	0.082211	0.135916	0.028588	0.029178
2.642518	0.285285	1.364779	0.045738	2.768337	0.37853	0.079649	0	0
1.08317	0.742945	26.11722	1.948415	4.295932	0.922196	0.017626	0.055611	0.00946
0.177957	0.121925	5.388457	0.581127	0.381881	0.030228	0.007139	0	0.682009
0.60238	0.267022	7.165956	0.747268	4.347405	1.026544	0	0.110405	0
0.847458	0.116455	5.22362	0.754557	3.760411	0.681243	0.064097	0	0.245715
0.338373	0.194416	1.760898	0.571284	2.885048	0.262945	0	1.055049	0.035894
0.436306	0.285	3.46	0.425376	2.137455	0.135545	0.883918	0.091652	0.013363
2.248901	2.182779	24.93985	0.828344	2.250351	0.150255	1.264638	0.534379	0.02424
0.403017	1.218243	17.03726	2.13478	0.735594	0.157336	0	0.51673	0
0.300869	0.147658	7.161053	0.612545	2.312212	0.819302	0	0.071227	0.051926
0.920957	0.490318	89.23385	4.202002	3.945255	0.523968	0.091623	0.140159	0.008941
0.503756	0.064495	0.649056	0.222958	8.881606	2.683934	0	0	0
0.208222	0.085839	0.098727	0.050871	1.543138	0.1633	0	0.124221	0
0.121769	0.032271	0.43302	0.039666	0.715134	0.161154	0.029603	0.487758	0.010592
0.276394	0.073595	5.402346	0.227481	0.647564	0.072063	0	0.025059	0
0.18607	0.201437	30.74863	3.297998	0.306097	0.093887	0	0.48973	0
0.2891	0.043353	2.157661	0.098098	0.140364	0.00656	0.043385	0.228136	0
0.930107	0.174225	6.817051	0.780578	6.213291	1.479075	0.019179	0.110936	0
0.119518	0.049858	14.663	2.749617	0.299427	0.048819	0.008071	0	0
0.267704	0.091662	0.590373	0.12675	0.217635	0.07629	0	0.371411	0
1.933449	11.68154	3.489917	0.630311	0.180378	0.007439	0.07379	0.025868	0
0.514802	0.181249	29.31732	1.982269	0.606395	0.06857	0	0.238447	0.048673
1.074584	0.245911	0.28624	0.081939	0.175866	0.024659	0.016307	0	29.18773
0.198711	0.058513	20.3615	2.337463	1.574533	0.357136	0.017892	0.696228	0
0.992156	0.800783	23.55665	3.066435	3.604147	0.527332	0.448018	1.222512	0.051989
1.016609	0.123111	0.678165	0.03584	3.938434	0.61479	0	0.037507	0.114842
0.865154	0.866517	417.1836	25.13869	3.641587	0.43272	0	0.225714	0.947072
0.384927	0.162894	0.355185	0.075083	2.111077	0.16947	0.242821	0.255373	0.040098
0.215937	0.085027	19.94126	3.128531	0.087775	0.018461	0	1.35885	0.01092
0.816286	0.217782	0.649391	0.022307	0.957564	0.067133	0.022198	0	0.929236
1.36527	0.124337	30.53149	3.954461	11.36581	1.793742	0.114059	0.059977	0.244857
1.657039	0.136988	43.80031	4.798814	3.99597	0.694946	0	0	0

0.214168	0.043493	0.26262	0.16539	0.116174	0.036199	0.014962	1.148652	0
0.526278	0.343147	5.436225	1.469434	1.208974	0.44222	0.060925	0.544636	0
1.003818	0.398166	27.95414	1.045177	1.946832	0.12357	0.157863	1.220761	0
0.749437	0.210173	13.64255	3.959802	0.218321	0	0	0.342167	0
0.660586	0.357124	25.23442	2.511183	5.493487	1.106718	0.020911	0.428839	0.246898
16.87893	148.7119	3.283352	0.071611	4.856859	0.280163	0.017815	0.037471	0
1.618667	1.009312	1.087084	0.140035	1.394581	0.264095	0.046449	0	0.259258
1.003322	0.86873	0.590222	0.152061	3.202761	0.811515	0.342977	0.244007	0.010828
0.160995	0.156228	3.209523	0.417165	0.102327	0.03587	0	4.038298	0.015913
1.557569	1.594028	11.52668	3.522156	0.563264	0.096991	0.057269	0	0.036883
1.394722	0.228984	13.08325	1.5117	3.525172	1.057428	0.020328	0.171103	0
0.616263	0.047339	6.479158	0.087281	3.053497	0.144468	0	0.159848	0.209757
0.778695	4.297258	2.456995	0.193893	1.889824	0.398162	0.045398	0.023872	0.012182
0.264898	0.048002	13.81599	1.593046	1.745193	0.349578	0.008256	0.286543	0
1.10341	0.343219	96.71364	6.074925	1.303861	0.114264	0	0	0.202771
0.082596	0.009601	0.489531	0.212412	0.189958	0.015981	0	2.213675	0.066173
0.572916	0.110024	12.93265	1.37941	1.933116	0.122097	0	0.063688	0
0.768199	0.716004	3.494428	0.367999	3.648284	0.87016	0.061032	0.036678	0
0.423655	0.155939	1.62471	0.152211	1.916582	0.244305	0.025244	0.026549	0
0.872946	0.452054	2.354959	0.114398	3.633869	0.924625	0.07318	0.145374	0.008728
0.292058	0.139921	5.742422	1.283598	3.492348	0.761226	0	0.355583	0
0.29736	0.097291	2.023489	0.156956	0.539	0.026992	0	0.187724	0
0.180093	0.17677	34.07697	3.856677	0.443026	0.057215	0	0.255809	0.014505
2.048912	0.568999	23.5192	3.305492	5.622828	1.100602	0.017496	0.791217	5.023614
0.731836	0.723461	16.1105	1.426106	3.398914	0.384341	0	0.089102	0
5.280132	0.363147	21.54865	1.897048	2.13162	0.375009	0	0	0.158921
0.456152	0.179093	2.072699	0.092869	1.541445	0.130427	0.030804	0.874706	0
0.675496	0.717192	3.496037	0.18595	1.563161	0.447688	0.077098	0.145951	0.008276
0.232121	0.068351	12.77904	0.917156	0.601066	0.054781	0.006967	0.652094	0
0.499511	0.036051	0.212846	0.01994	0.039945	0	0.013228	0.006956	0
1.093232	1.485033	12.54734	5.308202	4.147731	1.185486	0.026367	0.009243	0.188676
0.520826	0.426012	24.26592	2.591996	7.914913	1.382817	0	0.462372	0.031461
0.401108	0.75929	28.63194	1.866572	0.600933	0.043211	0.196456	0.187828	0.01917
0.642694	0.292725	82.56742	9.64883	0.428328	0.039661	0.009367	0	0.140764
0.173133	0.050071	1.337628	0.062944	0.518771	0.022731	0.006263	0.052698	0.047062
3.348765	1.311599	34.24407	0.675541	8.327547	0.649681	0.496859	0	0
0.197267	0.07503	0.09743	0.020081	0.59765	0.028202	0	0	0.214486
0.388225	0.516979	8.44162	1.449897	0.847132	0.309075	0	0	2.570317
0.33928	0.138331	48.75518	7.353801	1.423248	0.313415	0	0.055606	0
0.693995	0.079827	1.928046	0.35323	0.682323	0.132879	0	0.508287	0
1.106179	0.883547	0.911977	0.181003	2.31299	0.51539	0.076202	0.014571	1.003831
0.416377	0.336937	16.38908	1.578943	0.922221	0.070108	0	0.582403	0.013824
1.080721	0.018793	1.563477	0.155924	12.64271	4.327507	0.01724	0.163178	1.18431
1.816468	5.926638	18.68357	0.300029	1.607082	0.211991	0.356968	13.07826	0.062699
0.756929	0.73135	10.37425	0.914997	1.529742	0.222224	0	0.067198	0
0.313197	0.192588	1.856254	0.255058	2.5375	0.505704	0.156761	0.463191	0.016025
0.11417	0.019102	1.014992	0.11622	0.199555	0.050874	0	0.044228	0
0.151221	0.047228	7.387335	0.223909	1.201439	0.247076	0	2.714273	0
0.492959	0.072579	2.086905	0.143375	1.15705	0.258889	0	0.180054	0
0.564659	0.047058	6.566953	1.258055	1.489745	0.469995	0	0	0
0.468686	0.09518	12.64381	0.592267	1.69491	0.039609	0	0	0.281157
0.551377	0.177929	7.878765	0.768877	0.501673	0.166601	0.091812	0.080465	0.008212
0.555231	0.20621	7.708045	0.71287	1.171567	0.110332	0	0	0
0.377519	0.063162	6.610736	0.57645	0.734842	0.042056	0	0.895761	0.037316
1.910867	1.202376	16.22875	0.999762	3.797112	0.34666	0.551492	0.159216	0.011607
0.534034	0.786267	27.58724	2.711416	3.641515	0.484746	0	0	0
0.462076	0.340161	2.076545	0.496221	0.798778	0.105779	0.041148	0.054094	0.011042
0.918803	0.630172	0.20294	0.023237	1.635881	0.321687	0.092493	0.972739	0

0.1624	0.076513	4.106715	1.075662	0.666114	0.068989	0.026321	0.424446	0.009417
0.381051	0.172364	0.925133	0.168244	0.625909	0.050632	0.046505	2.200887	0.009983
0.473458	0.239525	0.395572	0.067942	4.090344	0.914994	0.025353	0.088878	0.009071
1.453104	7.136786	1.034117	0.033303	0.733841	0.053453	0.176743	0	0
0.593287	0.303428	11.03005	0.457725	0.982415	0.030611	0.025304	3.193465	0
0.286229	0.368743	73.31731	10.14333	0.78171	0.241139	0	0	0.486273
0.34263	0.07707	55.22379	11.66491	0.282803	0.011663	0	0.081114	0
0.2114	0.103749	2.297033	0.251064	0.092376	0.043175	0	0	0.229854
0.218828	0.42024	56.70488	9.057553	0.472286	0.004664	0.00771	0.040543	0
1.451672	0.133583	1.862401	0.14417	1.655465	0.352523	0.008966	0.075439	0.009624
2.9978	0.924022	0.357904	0.061472	2.397489	1.046557	0.017477	0.00919	0
0.365618	0.454907	14.22249	0.587109	1.476132	0.252412	0	1.272734	0.067189
2.602485	0.209424	15.67419	1.136916	3.885844	1.252399	0.021346	0.022449	0.183298
4.149576	4.604053	265.4929	11.96671	14.36338	0.799442	0.08896	0	0.327386
0.26535	0.02921	3.968438	0.181761	1.499766	0.401134	0.010048	0.010568	0.064713
0.145446	0.233319	33.11726	5.68366	0.129008	0.00532	0	2.525389	0.018883
0.467129	0.163198	2.862431	0.193432	0.539711	0.097021	0.01604	0	0.086086
1.982325	0.561271	0.723005	0.020697	4.637588	0.336344	0.12357	0.043319	1.989565
1.008524	8.301375	1.05022	0.537306	0.461288	0.04158	0.007638	0.024099	0.032794
0.1798	0.017079	0.550007	0.425101	0.202754	0.042644	0	0.148293	0.227026
0.193386	0.16609	5.157715	0.546832	3.436489	0.447622	0	0.663835	0
0.513704	0.268483	20.5347	2.453926	1.920169	0.354262	0.045053	0	0.029015
0.704125	0.209506	0.727039	0.049949	0.394518	0.04209	0.039763	0.721368	0
0.339136	0.126811	10.78377	0.767173	0.827996	0.118737	0.021811	0.734047	0
0.438518	0.153723	1.05198	0.106284	0.948972	0.08956	0.063457	1.290257	0
0.408551	0.169177	0.832356	0.043322	0.877746	0.119945	0.043109	0.018135	0
0.311088	0.170122	15.2505	1.158129	4.606295	0.637164	0.018007	0.132563	0
0.308864	0.028226	0.959472	0.130101	0.796753	0.10963	0	0.018154	0
1.931036	0.045429	3.718436	0.575843	1.896594	0.535648	0.010418	0.219139	0.257208
0.742855	1.084449	0.149246	0.076901	2.816914	0.154288	0.025508	0.134132	0
0.199896	0.024871	0.600715	0.05732	0.196842	0	0	0.047989	0
0.118296	0.032254	4.959763	0.615486	0.850045	0.214757	0.008876	0.606779	0
0.622727	0.009238	1.152786	0.044709	0.04935	0.011533	0	0.661732	0
0.506207	0.18509	1.967008	0.354908	0.287117	0.024648	0.013583	8.299785	0.16767
0.43971	0.194914	14.43148	2.493128	1.223085	0.260721	0.009579	0	0.52436
1.729138	0.265379	1.665793	0.360747	7.849501	0.576519	0.024757	0	0.03986
0.438556	0.280605	12.5589	2.061101	2.765284	0.713196	0.008304	0.09606	0
0.327304	0.094577	5.040015	0.647682	0.224558	0.074968	0.012394	0.130349	0
0.391472	0.01601	65.15821	2.745244	0.646232	0.013325	0	2.038874	0.82764
27.21582	17.40848	6.945751	0.330198	5.212397	0.134633	0	0	0
0.575654	0.260783	5.642571	0.495841	2.302592	0.393402	0	0.141521	0
0.316928	0.1731	0.72711	0.333028	0.750515	0.162863	0	0.130695	0
0.800116	0.232943	0.428667	0.276097	1.216779	0.210496	2.747402	0.096314	0.03932
0.372627	0.367635	24.08841	4.559659	0.651307	0.164759	0.007783	0.990371	0
0.634263	0.230949	18.83615	4.859767	4.601347	0.551582	0.082901	0.552179	0
0.282386	0.122283	15.94883	0.811645	0.696813	0	0	0.707838	0
0.333514	0.23064	6.828503	1.502051	2.596746	0.532536	0.04095	0.279933	0.571412
1.796856	8.154461	0.380343	0.079843	4.41815	1.031038	0.057782	0.022788	0.093034
0.765063	0.67719	15.16856	1.409265	5.667341	0.736617	0.018452	0.485141	0
2.677037	9.222164	155.896	16.33448	7.79624	1.989785	0.30714	0.280515	0
0.133755	0.059079	2.061116	0.081694	1.800161	0.114733	0	0.512969	0
0.774526	0.268317	7.134393	1.347422	1.751947	0.099906	0.029148	0.1124	0.062573
0.196984	0.03867	6.226585	0.855561	2.249456	0.836803	0	0.167881	0
0.9932	0.419337	7.935224	0.792972	3.565595	0.912804	0.02959	0.03112	0
0.272905	0.030211	0.121613	0	0.136287	0.010058	0.008314	0.139901	0
2.495251	0.43833	16.23932	2.72242	2.37253	0.197869	0.020446	0	0.065838
0.537442	0.058183	7.682224	0.289639	1.298561	0.174331	0.192144	0	0
0.444166	0.138853	0.613043	0.074325	1.573966	0.223678	0	0.012964	0.013231

0.510835	0.335968	8.698629	1.182561	1.541007	0.343177	0	0.01105	0
4.256336	4.361963	0.718387	0.313213	16.38659	3.227701	0.094447	0	1.885617
0.565868	0.299469	3.771075	0.329161	1.385608	0.115037	0.190186	0.53338	0.011341
0.186644	1.056748	1.43896	0.179184	0.042437	0.003719	0.012297	0.536694	0
0.919946	0.515281	6.874679	1.404704	3.12852	0.196053	0.020258	0.213051	0
0.33366	0.51428	30.03378	2.48371	0.601422	0.038331	0.042248	0.533181	0.181392
0.164358	0.216514	0.273436	0.023482	0.191518	0.035334	0	0.061436	0.025081
1.050131	0.511116	2.623303	0.282709	4.990748	0.329685	0.316484	0.480775	0.094363
0.510677	0.14354	3.714561	0.368621	0.641051	0.011378	0.018811	0.079132	0
0.114421	0.058596	24.29551	3.241082	2.486889	0.402349	0	0.042398	0.021636
0.921025	0.024433	0	0	2.455853	0.162685	0.145687	0.023572	0.012029
0.302147	0.212383	0.207959	0.650865	5.860381	1.586112	0.505496	0	0
0.480276	0.233199	1.392969	0.228848	4.108022	0.37566	0.062106	10.14587	0
1.290756	1.400796	2.062077	0.349801	3.54367	0.347395	0.052212	0.045759	0.046703
0.666406	0.200796	5.878549	0.757256	1.376085	0.174718	0	0.158497	0
1.059786	1.315864	142.9321	13.97994	5.651037	1.436315	0	0	0
0.441054	0.099639	0.47025	0.047511	1.509188	0.245928	0.122921	0.029833	0
0.309333	0.351065	11.15289	1.521962	0.563205	0.07897	0	0.357	0.028028
0.288106	0.205664	7.554586	1.066474	4.08963	0.406538	0	0.669654	0
0.400701	0.08918	6.68279	0.398413	10.04961	1.575837	0	2.620814	0.020264
0.663655	0.336935	1.525869	0.256253	1.17999	0.133204	0.069544	0.060949	0.012441
0.722584	0.341089	0.19615	0.269519	2.487414	1.47351	1.944409	0.352572	0
0.244323	0.057228	1.56324	0.118703	0.072792	0.006804	0.01125	0.017747	0.030188
0.384602	0.286954	0.800891	0.084651	0.045422	0	0.010529	0.033221	0.090416
0.500231	0.31446	1.998718	0.251747	2.829334	0.275499	0	0.766426	0
1.593002	0.062106	0.2353	0.222277	4.666647	1.410844	0	0	2.676322
0.712837	0.287843	4.848759	1.041003	0.494175	0.1032	0.036561	0.025634	0.039244
0.477815	0.109281	1.759636	0.236115	2.748742	0.329709	0.009398	0.434896	0
0.392156	0.248815	29.38029	7.295864	1.514787	0.642503	0.017557	0.009233	0.018846
0.705686	0.047728	0.738951	0.020307	2.083362	0.372791	0.010104	0.510043	0
0.346989	0.241995	29.72952	5.378877	2.277015	0.208871	0	0.492872	0
0.682524	0.619175	2.151981	0.196504	1.534391	0.371719	0.018623	0	0
3.247468	0.734804	3.189673	0.38396	18.55614	4.148564	0.167739	0.117607	0.050013
0.214074	0.008518	15.0195	2.2852	0.182031	0	0	0	0
2.541654	2.606119	0.622942	0.068087	3.565695	0.321994	0.503303	0.773621	0.020778
0.601553	0.565	14.62994	1.034673	1.123955	0.025419	0.084048	0.994416	0.022554
2.028787	0.696171	0.358932	0.028453	10.12118	1.495648	0.16988	0.555835	0
0.566636	0.794017	0.972149	0.394662	2.076387	0.261907	0.02014	0.730732	0.129705
1.394277	0.112792	2.784803	0.374326	4.177764	0.325439	0	0.021763	4.99775
0.380445	0.147404	68.43571	4.022255	2.356565	0.474378	0	0.48351	0
0.177627	0.043587	2.15951	0.213272	1.146355	0.05023	0.018454	0.077633	0.019808
0.432653	0.227235	0.929726	0.082419	1.132126	0.080611	0.010252	0	0.011004
0.137005	0.020765	3.271874	0.278931	0.478935	0.034565	0.008164	0.103026	0
0.821223	0.236563	2.433611	0.16356	5.055101	2.307999	0.470184	0.114113	0
0.24322	0.908406	0.127192	0.03641	0.812727	0.083277	0.014492	0.007621	0
0.350851	0.075965	1.437249	0.273117	1.316675	0.271871	0	0.098939	0.01122
0.430813	0.441248	9.547285	1.220317	1.942547	0.397854	0	0.079818	0
1.568903	0.236139	1.608665	0.133962	2.745848	0.428352	0.074983	0.227816	0
1.514434	0.456081	0.625582	0.056059	5.438482	1.017876	0.018595	0	0.019959
0.079857	0.046317	10.72804	0.788279	0.076135	0.011861	0.049025	0.360917	0
1.076592	0.381594	0.630197	0.29766	1.719132	0.814359	2.988893	0.283189	0.173417
0.582775	0.208007	5.023985	0.599235	4.650672	0.62036	0	0	0
0.053753	0.029157	1.073124	0.046079	1.295575	0.166407	0.011463	3.749299	0
0.139007	0.117429	1.647728	0.157742	0.557629	0.055849	0.009233	0.563214	0
0.25	0.212939	1.224546	0.100955	1.343412	0.106337	0.025115	1.549557	0.026958
1.146696	0.067532	1748.603	108.4181	1.403	0.224827	0	0.024432	3.191785
0.260021	0.153133	1.489722	0.370568	1.817941	0.371736	0	0.277005	0.018848
0.653772	0.145148	1.783626	0.359167	2.575642	0.216179	0.084094	0	0

1.343721	0.404469	12.03443	0.899745	6.137837	0.380548	0	0.356282	0
0.433942	0.25556	4.286474	0.147245	5.84028	1.75479	0.058609	0.246553	0
0.477818	0.246502	1.337921	0.245115	1.861046	0.470261	0.083844	0.264535	0.016363
0.519705	0.106387	1.581271	0.181062	0.893808	0.272449	0.822033	0.094742	0.012087
0.745543	0.167517	8.304989	1.414238	0.502407	0.014676	0.012132	0.11483	0.612035
2.178085	0.447465	4.992981	0.542768	4.902076	0.294019	1.166616	0.465775	3.930592
0.114704	0.14969	6.921899	0.636898	0.109358	0.012778	0.021126	0.111088	0.170069
0.469694	0.232729	8.083678	1.342444	2.162938	0.243509	0.018299	0.115471	0.019642
0.322774	0.218976	198.3158	19.83023	1.781006	0.736769	0	0.202269	0
0.253205	0.342241	2.558565	0.405645	1.842843	0.152596	0	0.159194	0
0.180679	0.022801	1.346205	0.105099	0.27069	0.012652	0	7.193268	0
0.257162	0.04437	2.786335	0.188155	0.512698	0.044315	0.065124	0.710584	0.017476
0.269684	0.023356	0.376085	0.064595	0.436715	0.082618	0.024104	0.321099	0.051746
0.720878	0.228826	7.565065	0.242365	2.635613	0.048626	0	0.12682	0
1.478597	0.848265	4.955822	0.705866	2.905233	0.29365	0.082635	0.119496	0
1.390469	0.973847	62.83783	2.162483	6.582258	0.5088	0.919429	0.267456	0.587939
0.354719	0.126834	47.09264	3.590273	0.744008	0.074516	0	0.561436	0.022039
0.760615	1.941668	24.51123	7.878188	46.55647	18.45694	0.761682	0.123239	0
0.136276	0.068014	2.327211	0.26334	0.742841	0.084912	0.009359	1.998033	0.010046
0.075319	0	6.725796	0.736053	0.54415	0	0	0.14978	0.611475
0.205243	0.030218	3.568202	0.668574	0.693564	0.050301	0.02772	0.029153	0.53558
0.602959	0.415368	0.917994	0.045049	3.616135	0.447389	0.022414	0.023572	0.072175
0.487601	0.648984	1.202203	0.04765	0.981812	0.066921	0.015805	1.180192	0.016965
0.096074	0.013261	0.960879	0.07335	0.041981	0	0.012165	0.28146	0
0.574525	0.073555	28.17458	2.456737	0.261965	0.042383	0.007786	0	1.880293
1.60035	0.333319	43.39942	6.548164	15.25508	1.970643	0.094893	0	0.475329
1.356113	2.283436	5.387874	0.467784	2.400878	0.459057	0.182146	0.063854	0
0.726365	0.141543	5.15969	0.978633	6.562703	0.981719	0.064922	0.102416	0
0.279399	0.213028	3.814575	0.832936	0.697651	0.134505	0.010108	0.924838	0.01085
0.368864	0.489541	1.662728	1.163486	4.104472	4.634667	1.789278	0.044277	0
0.349246	0.142523	9.967076	1.545736	0.643617	0.018607	0.023072	0.008088	0.03302
0.981955	1.556961	4.476808	0	1.848366	1.110732	0.306055	0.643752	0.657028
2.25204	1.434162	12.62363	2.358981	5.777866	1.545132	0.046027	0.012102	0.012351
0.668277	0.230182	17.55082	2.746086	7.2013	1.427459	0.037263	0.052252	0.039997
0.345806	0.142916	0.503392	0.024703	0.5302	0.029737	0.024582	0	0.052771
1.088622	0.072854	2.228888	0.382824	0.743814	0.024255	0	0.084344	0.043042
0.138815	0.168312	0.508154	0.058186	0.199814	0.020012	0	6.219733	0
0.177322	0.070708	1.357482	0.150423	0.374509	0.063377	0.119747	0.015742	0.032133
0.449786	0.580524	1.177103	0.083248	0.296091	0.03579	0	0.883657	0
0.239368	0.149514	5.388133	1.132191	1.749614	0.402948	0	0.236973	0
1.372502	0.157872	10.99434	0.873221	4.310645	0.656981	0	0	0.34976
0.294968	0.103051	0.711139	0.122142	2.901167	0.428846	0	0.10652	0.173948
0.383567	0.43125	3.05865	0.340762	9.385994	1.965557	0.028257	0.089154	0
0.682169	0.157711	30.40661	2.892467	2.857697	0.359244	0.045687	0.024024	0
2.572061	0.729818	68.12586	5.420008	4.956125	0.1869	0.042136	0.073856	0.814098
0.525698	0.403122	22.1994	1.560826	3.235141	0.174469	0.044376	0.163344	0
0.532029	0.413021	2.350589	0.384033	1.420246	0.35561	0.009799	0.360679	0
0.195718	0.087853	9.223249	0.680308	0.300373	0.035098	0.009671	2.247752	0
0.372143	0.136978	0.866492	0.027059	1.463537	0.065147	0	0.056636	0.028902
3.117563	2.385111	3.663469	0.143581	7.758567	0.864201	0.756398	0.088389	0
0.810824	0.317827	3.869438	0.900423	1.067519	0.129038	0	0	0.045797
0.131846	0.01688	1.494901	0.093366	0.060118	0.009366	0.023227	0.154708	0.099725
0.938619	0.134605	115.8839	7.916818	3.132042	0.567626	0	0.025972	0.053016
0.716877	0.63768	2.257168	0.152032	5.273106	1.07978	0.105899	0.095463	0
0.445166	0.312107	31.91216	4.186349	4.038689	0.389649	0.128838	0.045166	0.138293
1.546692	0.310946	75.83887	7.790163	16.24231	4.277802	0.050337	0	0.216123
0.651214	0.183042	43.50836	1.566879	1.303806	0.087055	0	0.605455	0.077243
0.995608	0.5353	0.451014	0.077464	2.172483	0.191681	0.068519	0.081068	0

0.798525	0.266536	3.027748	0.141368	2.782781	0.24311	0.060289	0.063405	0
0.223216	0.065729	0.158755	0.009089	0.358943	0.005471	0.06331	0.380475	0.009708
0.626462	0.067639	10.86646	0.790765	0.883284	0.322421	0	0.035594	0
1.930231	0.605752	1.383001	0.058343	4.765553	0.316044	0.116112	0.104669	0.124632
1.19956	0.429154	4.119552	0.045649	1.136522	0.109903	0	0	0.195031
0.466694	0.206136	66.21802	6.8601	4.290711	0.766331	0	0.178984	0.101486
0.36933	0.111543	18.18506	2.660664	2.81391	0.591834	0	0.645669	0
2.273267	0.048407	0.361883	0.019125	2.200145	0.328065	0.009515	0	0.010214
0.770804	0.274825	1.353599	0.080477	1.727272	0.048438	0.418202	0.121652	0
0.529646	0.216769	0.22665	0.031143	4.404867	0.445184	0.178191	0.602945	0
0.67926	0.125861	18.15734	3.452597	0.508828	0.141559	0	0.895921	0
0.878005	0.047878	0.337281	0.231719	1.449388	0.199243	0.03294	0	0.265179
0.457644	0.200957	289.7469	26.49702	3.676762	0.757571	0.016266	0.085533	0
0.271537	0.297188	44.97624	11.58495	7.039415	2.779731	0.292095	0	0.167216
0.817763	0.712229	156.4601	5.111951	5.45569	0.846837	0.023334	0	0.025046
0.95117	0.299462	67.57777	8.890886	6.022751	2.096557	0	0	0.130088
0.433443	0.166098	2.228751	0.282064	0.989385	0.184324	0.032077	0.30362	0
0.414162	0.143034	0.818218	0.437216	1.501433	0.24436	0.020717	0.370402	0
0.859142	1.368273	4.359784	0.617346	1.158156	0.289003	0.113761	0.167499	0
0.717577	0.384927	1.780297	0.385052	2.333466	0.299924	0.022539	0.165927	0
0.252918	0.379536	12.42434	1.356619	5.712902	2.670138	0	0	0.624027
0.83912	0.175022	5.802176	0.085419	5.108938	1.696632	0	0.208584	0
0.740311	0.354462	2.497048	0.392121	0.694327	0	0	0.051295	0.654417
0.463941	0.014231	81.1157	3.967102	0.047303	0.014213	0.015665	0	0
1.928528	0.157318	1.760837	0.286516	7.98068	4.8542	0.063357	0.011105	0.068007
0.115908	0.014712	0.165819	0.008137	0.10479	0.014693	0.008097	0.153285	0
0.696942	0.070162	3.601067	0.169785	1.603405	0.262781	0	0.025383	0
1.490079	0.590198	32.20579	1.071682	7.643577	0.476335	0.738287	0	0.070441
0.090821	0.033429	1.883973	0.268112	0.095247	0.005565	0.027599	0.116104	0
0.596986	0.082204	0.203638	0.717009	2.116947	0.621028	2.488495	0.402635	0.037358
1.473127	0.536361	20.13376	1.233045	5.651137	0.686358	0.212185	0.009702	0
0.374701	0.027356	0.697434	0.075656	0.129904	0.007589	0.025095	1.636294	0
1.091009	0.239702	33.9851	4.700702	4.915208	0.932741	0	0	0.009196
0.091876	0.012297	6.90567	0.756716	0.109493	0.035823	0.008461	0.605063	0.009081
0.374956	1.004072	14.07947	0.952946	5.955585	1.116304	0.050982	0.386044	0.010945
0.550855	0.611711	2.600777	0.161572	3.084314	0.812313	0.066203	0	0.030455
0.750876	0.082168	2.104866	0.082634	4.43392	0.310854	0	548.7684	0.110327
0.373352	0.28155	3.508067	0.852813	1.344939	0.150643	0.009224	0	0
0.420189	0.368097	0.149422	0.076992	1.784688	0.231706	0.034051	0.017905	0
0.72052	0.530417	0.434276	0	3.564692	0.658456	0.123705	0.936713	0.053113
0.454313	0.21123	33.35074	2.823523	1.030918	0.390679	0	0	0.103994
1.293435	0.099279	8.792198	0.399368	5.207267	0.691082	0	0.052243	0.079981
2.182076	0.152784	1.298397	0.657284	2.760998	0.247259	0.023359	0.012283	0.250732
1.386419	2.64526	177.7571	5.73095	0.823699	0.061873	0.613752	0.14344	0
0.167289	0.060368	1.535831	0.14692	0.303867	0.036176	0	6.220083	0
0.321706	0.094731	0.966055	0.20959	2.189235	0.357426	0	2.504139	0.018655
0.457314	0.536698	2.933002	0.197906	4.672413	0.812167	0.080563	0.338912	0
0.27583	0.261883	2.933451	0.398871	1.577019	0.227442	0.010445	4.350033	0.056057
0.423127	0.364508	3.895071	0.293261	0.692367	0.044128	0.091193	0.076726	0
0.403284	0.014054	3.903496	0.485832	0.492173	0.07018	0.009669	0.010169	0.010378
1.223681	1.988831	0.188377	0.194129	4.055477	0.42843	0	0	0.552934
0.733982	1.311664	4.633869	0.422311	0.734421	0.045623	0.420235	0.022665	0.05783
1.519126	0.224387	6.643399	0.900822	2.801332	0.771126	0.03984	0.02095	0.021382
0.552206	0.729237	12.96633	1.355964	3.455525	1.131237	0.02562	0.008981	0
0.151941	0.044063	26.49716	2.774681	2.945457	0.835029	0	0.03924	0.010012
0.357888	0.325019	7.969101	1.470883	1.753864	0.459051	0.013552	0.171035	0
0.495486	0.338228	0.640722	0.073365	4.345991	0.574052	0.073005	0.691004	0
0.522395	0.587651	1.669824	0.0478	1.087494	0.043156	0	2.601252	0

0.87351	0.573008	14.52327	1.091691	3.628018	0.480445	0.268661	0.073708	0
0.710862	0.178975	17.98022	1.495682	6.558931	1.917055	0.010707	1.520221	0.034479
0.499532	0.925826	2.159515	0.287155	2.177668	0.259255	0.071436	2.078559	0.051119
0.093382	0.041246	21.36345	2.319451	0.750816	0.057216	0.018918	0.019896	0

EREG	FAM3B	FGF20	IL1RN	LHB	NODAL	RETNLB	SCG2	SECTM1
1.407829	0.090213	0	0.82922	0.065347	0.151402	35.14984	5.235195	100.2325
1.42277	0.202216	0	1.222779	0.040928	0.03793	77.82128	9.029706	26.28481
1.254295	77.43225	0.009097	2.688076	0.293596	0.408138	12.25904	8.431437	109.3418
0.880442	19.75341	0	0.975661	0	0.017136	29.92952	3.590419	128.9348
0.995756	0.071573	0.01526	2.025278	0.049252	0.015215	161.4712	12.89371	28.18614
0.366937	4.406008	0	4.190362	0.031583	0.039026	12.42579	4.380079	39.99785
1.569589	0.121505	0	0.558709	0	0.072323	15.95779	3.834192	80.54777
0.560916	0.22071	0.017429	0.320762	0	0.052132	25.31006	4.133269	54.53242
1.319223	3.578204	0	4.279434	0.036052	0.011137	26.91865	5.395065	35.77417
0.733836	0.136411	0	0.356392	0.042669	0.079087	73.58511	5.589169	41.23984
0.806056	0.953781	0	3.126663	0	0.069437	20.68403	9.312881	24.31332
0.337694	0.842956	0	0.66554	0.075335	0.046545	31.77648	4.405147	28.50211
0.363177	0.380679	0.016735	0.494526	0.054013	0.025028	19.61576	4.150559	72.82564
2.17173	13.33171	0.014037	0.647662	0	0.083973	5.870002	5.228593	124.8649
0.93668	0.4397	0	0.932985	0	0.008346	12.44297	3.37253	75.90974
0.247462	2.001199	0.012699	0.895339	0.081971	0.012661	27.36607	2.514863	53.58503
1.402131	0.038182	0.013568	0.274327	0	0.06764	28.65957	3.563033	40.73156
1.615977	0.046192	0	0.889875	0	0.042084	31.78047	9.084015	26.0835
0.895593	13.45868	0.024073	1.684836	0.077697	0.072007	13.26357	3.497155	46.11148
0.470792	0.233372	0.011309	1.629815	0.036499	0.124026	11.58098	15.79615	32.55598
1.14673	0.184148	0.021223	1.435834	0.034249	0.03174	53.50977	3.708919	47.23344
0.84909	0.030935	0	1.484023	0.042576	0.039457	31.28679	3.668884	56.6418
1.941074	0.032663	0.027856	2.151791	0	0.111097	45.76749	8.344231	20.61268
0.793946	2.587492	0.012624	1.636195	0.122236	0.088109	28.11121	5.47832	109.0607
0.711614	0.026288	0.042037	2.222908	0	0.125739	12.16863	7.750915	29.97952
1.531587	0.072122	0.010251	5.133956	0.033087	0.020442	17.08547	6.052444	8.602582
1.021634	44.62519	0	0.737719	0.09669	0.029869	11.06475	2.826935	24.4475
1.260519	9.580889	0	0.994137	0	0.020126	4.112759	5.162917	143.8972
0.998629	2.865157	0	2.525863	0.048089	0.044567	14.53089	4.023708	10.37957
0.511279	8.947273	0	3.397454	0	0.028616	8.424964	2.619249	63.11825
2.000737	0.325649	0	1.189214	0.028366	0.035052	10.7712	6.596611	119.0301
0.282481	0.229702	0.01139	0.531418	0.07352	0.034068	22.40661	3.429343	71.47405
0.421124	16.39255	0	1.436595	0.087683	0.013544	22.01699	2.639512	62.69323
2.474799	0.035793	0.012719	1.971558	0.082101	0.076088	72.4063	3.624317	31.4176
0.535366	11.01432	0	2.854227	0	0.021913	7.513773	2.674312	207.1469
0.828926	0.163619	0.033224	0.947339	0.053616	0	122.5093	2.433885	54.74718
0.366195	0.085544	0.012159	0.151289	0	0.157604	1.577408	10.2813	11.41657
0.72847	0.614747	0	0.839392	0	0.122997	25.01715	5.772551	54.1856
0.960071	1.205478	0.011954	0.77469	0	0.059596	21.69348	1.781167	147.4351
0.484828	0.436108	0.019784	0.5641	0.063852	0.059175	16.15386	10.91868	38.15409
1.204884	3.254388	0	5.358971	0.045891	0.014177	34.56942	8.24459	108.5927
0.907277	0.193451	0	0.347473	0.033281	0.020562	52.39027	4.225	58.9067
15.7322	0.146552	0.267826	1.319061	0	0.296706	12.03577	1.745845	5.123323
2.154825	0.627735	0	0.255289	0.040752	0.088124	1.811445	0.203806	2.598491
0.121517	0.627348	0	6.667644	1.82645	0.025647	0.196292	0.367287	52.92188
28.0562	3.9364	0.010003	7.540482	0.032286	0.019948	1.312993	0.360195	5.976432
61.32556	0.959065	0.817933	5.936543	0	0.407759	0.582561	2.352742	2.642283
3.295723	69.89485	5.438812	1.709129	0.054012	1.451628	0.153246	0.976589	1.039875
4.305102	2.066622	0	4.340224	1.034281	0.239632	1.650665	0.049736	17.67473
0.225837	14.99083	0	0.995552	0.577773	0.178485	4.893023	0.505158	10.33506
1.23906	9.378096	0.028483	1.319133	0	0.009466	11.65035	0.772148	7.377269
0.59319	1.884561	0	74.70437	0.469874	0.029031	2.932931	0.68689	13.54455
0.248515	1.658956	0	19.01247	0.03234	0.049952	0.948153	3.862996	7.26592
0.302864	0.766193	0.037991	16.17001	1.471401	1.780297	0.173947	0.117927	13.49277
19.69762	24.61818	0.060593	1.193696	0.048891	0.453105	13.96421	0.122256	8.454324
21.31572	16.88681	0.023006	5.724954	0.297012	0.275258	1.158708	0.971214	6.701896

0.599816	0.446628	0	9.972287	1.741621	0.031648	9.7375	0.335001	7.491495
7.408702	7.640164	1.163547	7.133672	0.163278	0.02522	0.656285	0.157033	7.008039
2.42443	5.919008	0.032779	0.739222	0.211592	0.179753	240.4856	0.406997	7.222393
7.888563	6.218671	0.085541	10.01501	0.184058	0.59702	1.544898	0.274378	5.185358
12.19557	0.457085	0.124411	2.977668	0	0.20674	0.221526	0.399056	1.430302
3.716843	0.756025	0	18.2653	1.858053	0.038266	0.292876	0.285917	38.79171
4.528064	0.270697	0.714574	2.30822	0.088704	0.027402	4.614069	0.102374	3.775941
3.384398	1.632782	3.179037	0.858869	0.072257	0.75893	104.9311	0.201529	1.257122
0.0557	0.156541	0	21.21513	0.140508	0.028937	0.044295	0.630623	46.26872
4.392134	11.50256	0.350881	15.72531	0.14901	0.027619	4.481467	0.653497	4.053223
1.737749	14.11694	1.057103	22.50631	0.184424	0	2.398256	0.212843	8.070367
16.50619	0.073118	0	22.64584	0	0.062174	1.094479	0.096782	6.949813
18.48484	5.653495	3.395017	8.800351	0.201056	0.962704	7.130567	1.392231	2.006448
1.096826	0.722661	0.052767	27.85912	0.238429	0.294622	0.483203	3.551023	0.619673
1.546574	0.116987	0	1.535567	0	0.279779	8.565387	1.064592	10.89561
5.294846	1.284206	3.129221	5.974336	0	0.149999	4.684037	0.952656	8.130462
13.15908	2.781354	0.855898	2.281994	0.295976	0.396208	4.99189	0.170793	2.979847
51.19663	0.733385	0.184796	4.252187	0.321157	0.014173	0.086781	2.497458	24.22191
4.658417	1.119678	0	17.6656	0.086089	0.013297	4.091313	0.198712	22.32233
33.6217	0.129083	1.685712	2.015366	0.666207	0.617413	3.202835	1.409596	3.059469
10.91971	3.660029	0	15.27211	0	0	5.827387	0.32874	5.322489
35.58533	1.086191	1.061444	3.101587	0.103814	0.03207	7.609078	7.588044	14.17413
2.723142	0.413202	0	10.79024	0.355428	0.082349	0.294128	0.837492	11.55136
1.055633	39.5655	0.022992	6.108861	0.148415	0.022924	44.49538	0.114191	9.817348
19.91631	25.69744	0	2.180251	0	0.28268	32.99415	0.073338	3.5962
18.13265	0.427148	0.393828	1.046377	0.158887	0.31904	4.883679	1.146069	1.501427
7.404178	26.40031	0.161439	14.20014	0.173683	0.321924	13.30513	0.835199	3.619951
9.010894	0.021776	0	152.6725	0.149847	0.632639	0.283436	1.950366	4.075987
15.57284	0.233372	0	6.530362	0.084523	0.104443	0.159875	0.975481	7.270548
20.24814	0.460484	0.009917	0.42159	0.096024	0.039552	1.634669	1.243665	0.751925
0.214517	0.962145	2.606986	0.420969	0.068968	0.085223	326.2319	5.717674	3.386552
22.66711	0.317923	2.679859	16.2141	0.101757	1.05306	2.574329	0.851423	6.012058
0.127781	0.572035	0.019672	2.671956	0	0.019614	217.9385	1.465495	17.70745
0.51313	0.299427	0.011822	15.74556	0.076314	0.035362	7.452008	0.32294	12.33363
49.90543	28.70103	0	0.322444	0.16387	0.189835	0.174353	0.291565	1.324204
32.21788	0.667339	0.049063	1.271792	0.158354	1.161815	0.786257	1.698111	1.538348
11.52743	4.45255	0.244201	0.99698	0.295563	0	32.98439	0.587466	1.757573
24.2435	24.37436	0.010287	9.071344	0.066402	0.338461	0.329698	0.798275	5.870125
0.177706	0.524244	0.08598	14.41245	0.185003	0.142877	3.018175	0.177927	25.6351
1.149855	12.5734	0	1.34597	0.097436	0.361198	8.93857	0.674706	2.288941
3.260525	1.447257	3.939205	24.20679	0.169519	0.039276	1.322661	0.880388	6.736958
5.166759	0.566585	0	0.966246	0	0.378542	11.53632	0.107137	4.092639
11.91396	37.53593	0	1.505334	0	0.119796	51.74293	3.543112	3.253536
42.27518	0.739174	2.6004	1.777066	0	0.982091	0.96213	0.317982	3.59377
4.303529	10.21124	0.061087	1.406116	0.315457	0.231446	4.47516	1.3956	4.443598
1.154472	0.449926	5.585745	0.667294	0.039192	0.278462	37.65861	0.851854	0.422267
0.200154	0.365936	0	22.35276	0.165126	0.025505	1.346948	1.619861	22.53811
9.610802	1.279957	4.943853	8.611779	0.042551	0.433774	0.321938	1.088552	5.043022
3.28218	1.551995	0.630782	8.202177	0.166875	0.288684	3.55099	0.943692	6.944308
18.56592	12.12406	0	0.569618	0.162423	1.170761	1.113682	0.05207	1.190579
36.66817	10.10174	0	1.017563	0.194175	0.494871	11.6153	0.116718	6.936578
1.569654	0.239625	0.069041	6.335345	0.044567	0.041302	84.67714	0.137158	38.31196
0.131033	3.100283	0	4.631736	0	0.058221	19.60669	0.514773	7.689716
19.17143	15.78594	0	1.76399	0.069949	0.237693	4.862314	0.161456	4.682541
11.48416	3.6093	0	0.81268	0.061326	0.11367	6.510449	0.271312	15.51152
6.371044	1.08386	0.139211	2.323906	0	0.305361	6.798951	0.639543	4.333126
0.257253	0.502947	0	2.953378	1.514191	0	0.818313	0	79.05085
0.030477	0.326781	0	5.605367	0.583003	0.025729	0.118152	1.233548	37.6155

12.95963	10.39048	15.31345	1.471197	0.302424	3.523436	8.151494	2.019373	1.945903
3.672584	3.841829	0	48.98646	0.15064	0	2.172638	1.535711	61.46336
23.48623	0.33766	0.045953	1.429392	0.098876	0.122179	8.743386	0.152151	3.999358
5.743902	32.90261	0	0.208511	0	0.084423	2.035378	3.508825	5.032193
60.20192	0.079554	0	0.143892	0	0.092245	0.541279	0.794543	0.184599
9.45737	54.90023	0.021411	10.26749	0.069104	0.042695	67.80628	0.398767	3.991318
17.98149	32.41481	2.085413	10.03429	0.420671	0.064977	11.73658	1.375575	6.445783
27.48764	33.57759	0	2.306939	0	0.181948	0.342788	0.122006	0.760232
10.58329	29.37042	0.062103	3.241075	0.066814	0.29928	0.315945	0.051406	6.449386
3.379822	3.183162	0.093827	2.610492	0.201887	0.09355	6.682728	0.291248	10.57297
32.91353	26.84686	0.011658	0.688992	0.037626	0.058118	0.249096	0.340159	2.020361
0.044298	0.211103	0	2.269771	0.220105	0.067995	335.6649	0.812874	1.64061
0.203245	0.129142	0	16.56501	0.040395	0	0.210118	1.429663	30.97966
1.627977	0.048701	0	14.57761	0.100541	0.196707	0.618061	1.211911	13.06429
1.406537	0.107862	0.591359	62.35435	0.318105	0.065513	31.88992	0.265146	10.9377
12.88803	9.824279	0.117128	0.880476	0	0.253028	1.847223	0.387814	0.779009
0.161708	0.049947	0	10.87617	0.049101	0.030337	50.57069	0.236117	2.012082
8.532443	0.056474	0.401362	41.01203	0.129541	1.400619	2.205243	1.594703	0.960992
0.088445	2.301446	0.841596	2.64742	1.841546	0.071111	0.587805	23.16609	7.830908
1.911209	42.2503	1.845366	0.897815	0	1.585158	0.151654	2.02689	0.606924
14.62191	3.446335	0.153083	11.22975	0	0.457891	2.647894	0.538538	5.861564
2.303484	0.363768	0	12.72492	0.44175	1.182697	10.5839	0.424854	6.892308
1.184749	28.7205	0	3.949411	0.375382	0.289907	0.621281	0.252717	7.624912
0.134115	1.229554	0	1.796407	0.12566	0.051758	0.752673	1.07157	8.907709
0.961366	15.16909	0	3.797999	0.037003	0.102878	7.104104	0.270466	0.28104
1.138499	0.057312	0	3.061874	0.219104	0.09476	0	10.61204	15.52655
11.57747	6.284194	0.038613	1.561393	0	0.019249	10.84338	0.743112	2.872593
0.300139	16.48066	0.009774	5.715867	0.063094	0.194908	43.76857	2.075269	4.964742
0.769308	0.874772	0.018745	76.44534	0.151249	0.065413	0.085826	3.398032	16.32288
18.11625	1.419901	0.65943	9.152704	0	0.298856	1.463907	0.148867	2.204296
1.378068	20.86406	0.50101	3.677337	0.170214	0.657277	66.2028	0.163703	2.405178
44.50621	0.186822	0.108634	1.795947	0.038958	0.168487	0.1658	1.086563	3.240996
3.187255	8.368646	11.38827	6.44247	0.079818	0.0863	14.64459	6.010675	6.400563
4.928293	14.64142	0.871544	0.588751	0.170481	1.895934	5.038515	0.262336	3.432765
0.018058	0.193619	0	1.379214	0.246738	0.030489	2.963572	1.034628	30.21044
8.767237	14.38522	0	1.800169	0.197194	0.040611	2.548779	1.662608	3.349506
7.535854	16.47156	0	0.95825	0.326888	0.025245	18.97433	0.015719	1.212498
1.017484	22.25995	0	1.860461	0.383527	0.023696	0.362721	0.368858	2.072912
16.68056	0.434651	0.035643	9.614946	0.11504	0.035538	0.725326	0.560574	9.285973
15.16154	3.538122	0.5882	0.869076	0.189844	1.730065	1.436356	1.588464	0.905363
0.108241	0.142038	0	4.280333	0	0.015892	27.36715	1.959242	21.83472
5.77191	0.704209	0.029732	4.647238	0.14394	0.622522	0.226886	4.53142	6.949242
10.82817	2.875195	0.729146	4.970125	0.087161	0.376959	4.533785	0.553258	6.034913
0.372646	0.12108	0	12.11953	0.925786	0	0	0.516418	40.32432
0.161054	3.433551	0.287086	3.408287	0.463291	0.228991	0.832499	16.25439	13.02746
0.094953	0.420178	0	18.26801	0.074139	0	1.227053	1.155117	44.72009
5.452885	9.138653	0.944545	7.583012	0.058068	0.080722	8.663229	0.80419	13.318
10.08314	0.411057	0.030221	0.595367	0	0.120528	0.368995	0.225143	7.580531
2.573027	1.362415	0	2.648998	0	0	128.6218	0.999452	0.798059
0.446296	0.332589	0.055983	10.00328	0.602289	0	0.882903	0.463401	18.05302
33.29404	0.481865	0.788461	11.92216	0.077115	0.119111	5.870964	2.862772	4.985186
0.747966	0.533996	0	24.68718	0.367467	0.141897	0.086883	0.31807	32.51765
4.479721	2.814145	0.114651	3.724792	0	0	4.549546	0.972755	10.02185
0.230331	0.826618	0	20.98508	0.093251	0	0.793733	0.295959	26.66645
8.83826	2.124679	0.029608	35.21217	0.382245	0.059041	6.552344	1.617548	14.4315
0.172944	0.047777	0	7.261446	0.410973	0	0.388678	1.707495	44.77348
0.937009	20.31418	0	2.395461	0.163882	0.075939	81.60284	0.330988	6.730024
2.696036	21.12288	1.238111	2.567483	0.999011	0.154307	12.5188	1.441199	3.705551

7.135635	7.95857	0.542765	1.303253	0.276599	0.085447	5.231865	1.418767	9.119689
0.924765	9.483331	0.079292	7.666498	0.255918	0.118587	18.39463	0.689162	15.1655
19.48668	1.596756	0.070632	2.944048	0	0.084508	4.096394	0.561273	3.511166
1.988595	0.154092	0.184804	36.44938	0	0.184258	0.689459	0.701123	4.050219
24.53728	1.108167	0	1.240028	0.094146	0.058167	31.02986	0.036218	2.095242
0.295388	9.814587	0.02779	7.131481	0.179386	0	6.446847	0.241534	27.40732
0.136821	0	0	8.680508	1.096784	0	0	0.038358	15.2514
1.482285	0.05573	0.029706	72.58157	0.095876	0	3.17363	2.120811	8.501169
14.52515	11.31725	1.17575	1.606973	0.17249	0.266427	10.03263	0.165892	1.614739
67.80002	25.06135	0	3.161167	0.093271	0.144066	4.983939	0.448518	4.99176
27.09715	0.49434	0.025707	7.783089	0	0.538252	10.16174	0.494739	4.894762
3.691192	1.838539	0	0.659098	0.341941	0.422528	6.467817	2.762441	5.073337
18.29819	19.22936	0.01043	1.292281	0.067324	0.083191	4.982334	1.243185	5.37494
33.70341	0.211004	0	3.479037	0.0605	0.046724	0.257483	0.791335	2.767718
3.856681	8.574265	0.524689	7.172558	0.445645	0.082601	0.505763	1.405806	4.486702
0.046872	0.399352	0	2.644789	0.093157	0.035972	8.270673	3.529987	9.078623
0.373049	0.958597	0	4.835534	0.059969	0	10.12368	0.06921	5.26433
1.060718	0.770262	0	13.71559	0.911027	0.10234	0.352474	0.382333	27.51633
2.307949	0.122206	0	43.22536	0	0.311744	0	1.43964	5.451308
31.1355	35.90191	0	0.357958	0	0.949558	3.997201	0.650372	1.805226
3.701383	0.033566	0.011928	35.859	0.615953	0.344882	0.983033	1.829015	8.214063
3.876232	0.05649	0.111178	2.82904	0.388732	0.240173	2.177578	2.133894	5.867915
6.293113	10.20812	0.276425	3.386554	0.093913	0.348137	9.614548	0.61418	6.079413
11.53229	1.78722	0.653237	3.012627	0.087848	0.135689	1.848574	0.050693	5.671276
12.35774	4.068509	0.31469	6.093076	0.04416	0.300119	17.33209	5.04551	19.33597
0.574629	2.451026	0.864969	2.20475	0	0.143736	204.3456	2.729684	2.999688
0.28507	2.391524	0.045257	3.824409	0.194759	0	0.092097	1.395458	25.47337
0.282895	0.328813	0.385585	6.65721	0.188559	0.198048	0.748985	0.67461	5.721814
1.204523	0.670349	0.009465	5.167139	0.091649	0.056624	0.462276	0.088143	12.53479
0.188353	6.85435	0	4.972773	0.224609	0.034693	9.966228	0.432036	6.598872
0.422973	0.854098	0.291365	8.056084	0.039183	0.060522	51.76899	1.45461	6.567895
12.6192	1.642738	0.753702	2.091607	0	0.265227	2.571292	0.825724	3.99339
17.65201	8.887384	2.59144	3.157591	0.799104	0.263316	0.604603	2.940943	2.681763
0.897297	4.205845	0.179646	0.954617	0.096635	0.059705	5.049466	5.037307	13.21969
0.526103	0.46728	0	5.46304	0.061838	0	23.45175	1.10619	9.436945
5.972846	29.15543	0.076966	10.55384	0	0.089528	17.97237	0.143345	4.226757
13.31651	0.839085	0.022087	3.125942	0.035643	0.066064	0.455073	1.288906	3.934724
2.223388	1.186479	0.411812	15.24962	0	0.351939	4.579189	0.51132	0.905522
4.313341	0.398722	0.044743	3.978126	0	0.111528	10.96021	1.083314	1.594191
16.69918	1.589264	2.655839	2.346766	0	0.326108	4.073364	0.243663	0.999412
0.130588	41.77653	0	1.7033	0	0.503971	97.70878	0.147094	4.1332
25.77216	0.717019	0	1.356483	0.094887	0.175875	3.230623	0.054755	1.960904
14.36381	18.7971	0.02876	1.252451	0.232062	0.55917	2.282517	0.107129	1.352637
5.540767	0.244486	0.012714	22.89139	0.246208	0.012676	8.266205	3.717606	4.145809
0.609792	3.141849	0.010701	3.361871	0	0.096024	22.1951	0.053146	6.685978
4.591796	7.937185	0	1.109669	0	0.533533	6.992996	0.103815	2.306985
0.986939	0.183542	1.516405	2.924802	0	0.065029	6.992879	1.538648	1.245579
3.754358	31.38389	0.961925	3.241473	0.19404	0.089914	54.32004	0.354575	6.94033
2.489643	0.045632	0.172965	0.431536	0.628032	0.075449	0.049497	3.322053	10.35953
29.78851	1.045846	0.284663	3.222096	0.076563	0.26017	1.484398	0.3829	1.649844
18.70434	2.379352	0	17.90232	0.103629	0.016007	6.688996	2.890295	6.772464
1.01915	0.088708	0	6.630808	0.228914	0.070716	6.963952	0.909989	9.946529
0.700133	1.21596	0.695565	2.802846	0.612262	0.283709	1.013332	0.942149	22.99851
10.56215	0.029038	0	1.392991	0	0.049383	0.434656	4.712204	3.910607
23.57723	0.873045	0.215818	3.440488	0.130605	0.080693	4.858432	0.460567	1.776286
2.007296	1.58739	2.589869	4.577248	0.094987	0.146717	1.347515	0.749104	5.637265
0.0893	1.063893	0	6.585417	0.488075	0.075388	1.961789	0.751051	22.4142
1.637421	3.940627	0.023801	18.76797	0.230458	0	0.435912	0.635377	23.54147

2.946029	13.63921	0	2.581229	0.256092	0.079112	63.69829	0.529537	1.696251
23.80243	25.70556	0	4.020183	0	0.241615	12.32832	0.852509	12.27207
9.629549	0.427309	0.196988	4.276442	0.079473	1.166162	0.037581	4.089185	9.236547
0.396239	0.764301	0.047929	10.38626	0.154691	0	42.79253	0.178529	11.85819
12.10275	3.686396	0.06931	23.22671	0.089481	0.069106	3.575463	0.662647	8.819146
0.020921	0.033234	0.070858	0.318367	0.686087	0	0	0.058653	1.696565
9.498814	6.429507	0.246333	7.29199	0.357771	0.036841	10.95917	2.003348	7.681452
18.09791	2.521685	0.160493	7.627021	0	0.693415	1.041026	2.715096	9.660172
10.95731	2.13883	0.766589	9.558475	0.190322	0.254775	1.919973	0.073217	5.759634
1.892133	3.10536	0	36.26947	0.098025	0.015141	5.284295	0.461949	47.05962
20.67403	0.16433	0	3.54898	0.26096	0.080616	2.385762	0.217515	18.25292
2.677455	21.76522	0	3.626617	1.300787	0.028703	7.952493	0.214463	4.775671
32.4109	12.41418	0.015047	13.76874	0.048566	0.060012	1.332008	1.074293	5.730229
4.738197	4.117559	0	3.331202	0.105991	0.174627	0.735097	0.251443	3.269943
0.271153	4.581354	0	2.813318	0.538912	0	15.67256	0.984769	27.74726
36.24828	2.141325	0.910772	2.542451	0.075373	0.197915	43.59021	0.521928	1.031765
4.464626	4.631795	0	11.83503	0.086378	0.266838	1.674687	0.814126	5.355173
10.31097	1.53434	0	2.493021	0.037309	0.288138	0.511635	1.528577	7.334554
3.893523	19.22954	0.066938	2.82825	0.216044	0.433812	1.02162	0.602564	6.677967
60.04794	0.384274	0	9.428448	0.104383	0.31171	0.115174	2.201893	4.308133
21.20274	3.609249	0.074712	5.345104	0.080378	0.31038	8.304941	0.216451	5.338136
0.524063	23.78097	0.029582	1.257564	0.286431	0	8.939446	0.055095	1.399717
3.48604	16.37741	1.684111	1.746179	0	0.178632	5.304712	0.355923	1.634168
0.239717	18.10381	0.533524	5.868592	0.561511	0.138769	0.10621	1.706505	50.91208
1.882153	2.449787	0.056164	3.741501	0.090635	0.139994	3.257284	0.645045	7.412074
0.010867	7.889038	0.184029	8.268512	0.079195	0.024465	0.037449	2.460151	49.50403
8.971698	29.44163	0	1.122177	0.922712	0	16.64279	0.304258	2.630934
4.0292	10.38922	0.26577	3.66184	0.098975	0.163068	21.21727	2.544725	14.47501
82.2373	2.703304	0	2.763017	0.178872	0.230237	0.225557	0.223639	3.817611
18.61122	40.77164	0.078923	1.127463	0.028303	0.02623	6.504532	0.250428	16.25225
2.332678	0.513735	0	12.83712	0.488917	0.116181	0.160059	0.361705	8.648998
20.69856	1.25759	0.03886	3.324079	0.125421	0	1.067552	2.436598	10.1904
2.349107	4.409003	1.515442	1.239849	0.229272	1.038789	4.11985	0.352804	6.911356
0.231017	0.145623	0	42.41059	0.841761	0.049531	0.151637	0.316115	74.53105
1.032257	0.482963	2.258762	1.5843	0.160814	0.513344	16.64116	0.211373	1.410756
0.317497	0.817852	0.106563	12.13882	0.625335	0.038636	1.034969	3.548355	11.87365
0.083438	0.318928	0.927258	4.981132	0.028502	0.008805	2.143017	0.142544	4.878305
0.266708	2.249159	0.013284	14.72374	0.042874	0.052978	0.20274	2.416313	18.11413
29.5981	0.335362	0.01402	3.372559	0.045251	0.11183	0.898711	0.339454	24.90491
5.727482	0.546432	0	0.754994	0	0.058081	24.71595	0.940268	4.151063
1.738291	0.835704	0.018369	11.98006	0.296436	0.082417	4.667903	1.727691	7.2413
22.39933	20.45342	0.478093	0.840942	0.275547	1.327897	28.84824	0.519414	1.683971
0.668126	0.364492	0.251427	22.12337	0.590174	0.022789	7.988619	2.625149	6.893006
19.03766	0.076683	3.089215	8.172731	0.083319	0.197332	0.315197	2.233023	4.434617
6.371932	1.827684	0.148249	3.733014	0	0.042232	2.715122	0.420732	12.26649
58.16078	0.612734	0.098971	0.661889	0.063886	1.24335	0.362523	2.218083	1.060716
43.43279	12.63093	0.013939	0.426361	0	0.305757	12.55183	0.069229	0.53241
0.603282	37.81288	0.615429	5.181458	0.079453	0.466345	5.25997	0.275089	2.834806
21.99387	41.87494	0.113494	4.354042	0.122102	0.754392	0.692868	0.234863	5.348566
3.937402	0.348966	0.228934	6.49803	0.184723	0.114129	6.55131	0.461909	4.502593
1.10229	4.357098	0	2.565582	0.280217	0	46.37761	0.107799	13.90796
12.91479	0.333038	0.18259	1.703874	0	0.121367	2.337754	1.416936	5.476316
0.142813	0.214254	0	6.603227	0.260185	0	3.23992	0.483784	44.5623
3.803746	5.25318	0	1.923576	0.297527	0.206801	64.6133	0.929977	1.510871
8.136061	0.221902	0.028674	4.950155	0.138819	0.071473	9.343331	5.117851	7.257776
0.847055	7.126404	0.850029	9.070632	0.228625	0.176566	3.675774	0.395784	10.7012
2.263194	0.972334	0.218223	1.753562	0.08804	0.013599	6.140739	1.329365	24.37546
32.70451	0.158168	0.030657	3.703219	0	0.183401	1.450489	0.456783	11.74461

10.28986	0.687424	1.070167	0.657322	0.037543	0.695874	2.698513	0.252752	2.181692
19.79966	20.49739	0.147978	0.69044	0.0796	1.53688	0.282308	1.232547	4.653786
0.638493	0.073572	0.089636	14.22562	0.144652	0.022343	1.350949	0.57039	6.291653
0.116755	0.261026	0.014646	1.085757	0.189077	0.043807	2.168192	2.318527	2.513097
10.31181	0.865433	0.100647	6.904919	0.541403	0.10035	4.966713	0.708145	14.84143
3.348263	2.287494	0.360383	18.03557	0.155087	0	0.330015	1.267814	11.23107
0.430241	2.386031	9.816659	1.139775	0.082509	0.229399	47.48324	0.095224	3.759986
2.403069	0.84335	0.520507	7.97269	0	0	22.60451	0.117505	14.94436
22.89307	47.66118	0.010222	3.08429	0.164962	0.030576	2.262192	0.11423	5.29132
7.371016	0.323387	0.641945	1.46063	0.076737	0.071117	2.267938	0.479712	3.171639
2.616933	0.82053	0.023172	3.417648	0.112181	0.046206	11.56437	0.525065	14.41832
0.351222	7.252891	0.055327	3.657101	0	0.165491	28.07681	0.841527	3.847978
52.10041	3.159133	0.028301	15.53762	0.091342	0.028217	0.215967	0.808205	44.99694
0.208947	0.727045	0.25274	8.385755	0.054382	0.050399	1.10578	5.596286	17.12649
0.220276	20.56332	0	14.22755	0.300984	0.026566	0.853968	0.347366	6.037762
5.963717	2.969992	1.341105	9.963459	0.075278	0.104646	0.676341	0.115837	6.628177
0.163257	0.089769	0	7.596287	0.205914	0.021204	28.43253	2.284039	3.734039
2.757272	2.663809	0.682636	12.98095	0.264388	0.136124	1.20855	1.644312	12.04826
0.373754	1.562636	0.040507	8.468253	0.294161	0.060581	1.76195	0.169746	6.252215
2.281514	1.768248	1.994101	6.493536	0	0.062132	97.34246	0.328836	1.56309
18.39578	11.6264	0.317434	2.19921	0	0.172635	6.166045	1.630294	5.034042
0.687826	1.081404	0.023893	2.979018	0.038558	0.023822	0.784017	0.459827	7.069217
18.35596	0.673789	0	1.49637	0.042538	0.144549	0.885069	1.767355	2.051179
4.474129	31.19546	19.54878	2.188839	0	1.297481	1.721293	0.897648	2.307996
13.97733	1.959857	0.084133	1.773762	0	0.447387	0.21401	1.253555	2.382143
39.8061	0.016084	0.171465	2.79714	0.036894	0.740821	0.331478	0.879973	5.271895
19.76193	1.046952	1.169824	2.085511	0.038527	0.190428	5.228701	0.414998	6.709737
31.16795	1.051924	0	1.755971	0	0.068455	18.18049	0.198911	1.813495
0.240628	12.49071	0	6.760044	0.267492	0.068861	4.110942	1.449237	21.08006
6.839998	36.68829	3.990646	0.806505	0	0.606945	1.806536	0.692849	1.754432
9.302044	0.134781	0.075623	1.293769	0	0.18096	4.801374	0.187792	4.518041
6.928608	16.68573	0.94147	3.459296	0.075966	0.539747	3.017472	0.3653	1.308233
9.864919	0.533544	0.185383	0.991654	0.217574	0.184835	5.658692	0.130782	0.187346
0.194083	30.13737	0.054027	2.394778	0.087187	0.062845	3.655602	2.543516	3.906417
0.13124	1.79883	0	22.74065	0.245932	0.050649	15.38971	0.630733	5.393652
10.14689	17.80404	0.29541	17.19517	0.105938	0.179995	0.976864	1.385653	5.239312
17.83891	34.87399	0.022018	7.419615	0.106596	0.043906	4.452595	0.881664	23.35306
28.55818	24.23914	0.032865	4.57476	0.053037	0.114688	71.87858	0.265242	1.826731
1.181495	28.4123	3.154502	2.771061	0.188542	0	16.98436	0.41706	2.481003
0.058089	5.51666	0.014053	1.879611	0.181422	0.014011	0	0.095966	3.580979
8.920014	0.167355	0	3.006009	0.479853	0.326119	16.92754	1.052218	4.525983
11.71602	1.081877	0	2.363219	0.177259	0.191656	3.269037	0.32391	9.564959
98.90383	1.366754	0.024284	0.629472	0.470263	1.525368	0.926565	0.919627	1.412059
3.077069	1.263114	0.030955	4.541583	0.466241	0.113167	40.07898	0.384349	4.199947
6.977328	40.02075	0.073275	3.532858	0.236497	0	24.2679	0.523138	6.725353
6.507797	7.114958	0.178469	1.017756	0.576015	0.266913	2.179065	0.94177	2.238306
0.440836	0.165517	0.760095	10.17504	0	0	7.291882	0.134823	10.29118
0.590939	0.682694	0.009576	4.244689	0.432704	0.066835	1.417688	2.021315	19.35818
11.35491	17.95692	0	5.415553	0	0.121959	1.045448	0.759382	6.471112
17.04481	24.64802	0.010716	8.138917	0.069174	0.245745	0.883186	6.978782	8.699313
3.850605	0.48866	0	1.247903	0	0.179103	5.921873	0	10.77303
2.293474	18.25817	0.785782	3.566166	0.083152	0.102749	142.0062	1.479474	8.393683
51.36606	31.56588	0	4.75456	0	0.140677	2.045737	0.394171	2.252169
34.15984	0.576546	0.078463	7.782971	0.042207	0.18254	0.299381	1.40451	19.52473
22.14782	4.611625	0.011023	0.142865	0	0.087923	2.456228	0.109492	1.036851
1.012469	0.972611	0.121983	10.39234	0.218725	0.067568	1.26184	1.691283	32.591
2.457098	4.420849	0.084917	6.141215	0.137035	0.084666	3.95284	0.711687	3.146585
21.05814	0.260616	0.065372	4.973444	0.052747	0.097768	3.067987	0.933431	3.605588

6.950952	0.672948	0.02786	10.59428	0.08992	0.125	0.425207	1.072354	10.42683
0.033275	0.223176	0	6.647558	0.282907	0.09988	1.605354	1.554774	39.61165
2.423797	1.511168	17.83293	1.532374	0	0.712328	26.59696	7.018286	2.699262
20.17917	0.015293	0.008152	0.211303	0.289409	0.235701	1.418306	0.177125	0.96195
12.27605	3.917729	0	4.079802	0	0	2.0906	0.533576	6.568629
1.720007	1.300435	0.252061	4.312283	0.090393	0.027924	81.3	0.347741	5.7797
0.695188	0.762841	0.01549	6.504702	0.249974	0	0.496468	0.471209	2.878764
6.352917	1.257349	0.046623	7.649957	0.225714	0.418365	2.952995	1.374846	9.608146
57.40016	1.023508	0.473856	1.577396	0.040247	0.696252	2.359944	1.223159	4.506984
58.98388	2.04313	0	8.603943	0.345023	0.026646	0.530247	0.066365	29.90695
0.017548	0.069688	0	2.934805	0.239777	0.1037	0	0.387417	6.674619
18.0754	1.276994	0	5.727505	0.270387	0.052205	0.990909	0.260045	5.533994
13.41235	44.15574	0.274475	4.567679	0.177175	0.082099	7.582255	1.039431	5.335694
0.926578	5.265168	0.230748	12.7103	0.037237	0.011503	10.21302	2.313527	6.18917
14.3066	28.55977	0.016651	1.648772	0.053742	0.315434	5.565454	0.506522	4.10069
2.23872	27.94509	0.13118	10.26911	0.169355	0.444695	19.58051	0.586359	9.183329
36.28914	1.175952	0	3.470551	0	0.17499	1.320187	3.953631	2.136852
0.500869	0.811866	0.346197	3.661355	0.111736	0	205.96	0.17194	3.670884
4.777494	24.06494	0.0469	7.975147	0	0.420857	2.576894	0.029117	2.646952
15.06895	4.61365	0.02503	7.42242	0.080785	0.573991	0.229208	0.357398	3.824109
5.381243	15.24385	0	2.796333	0	0.16854	1.759026	1.54551	3.12749
33.97251	1.056234	0.059263	2.288918	0.095637	0.974957	0.633142	1.324499	1.36828
0.295053	0.202866	0.02983	0.60312	0.120346	0.007435	60.65326	3.736181	1.751549
0.016487	0.648209	0	0.40529	0	0	854.252	0.112667	1.504129
7.016141	1.30286	0.181163	1.768829	0.097452	0.391362	7.050632	0.881009	6.816297
0.673009	3.28849	0	23.81352	0.387198	0.026581	0	0.488242	22.11298
0.844419	1.24284	0	2.295193	0.156449	0.01611	99.67684	0.060186	4.126603
15.15034	36.87083	0.087223	5.180769	0.040216	0.732992	0.931848	0.464137	0.731649
5.209817	2.576627	0.023278	6.649495	0.187828	0.011605	1.438869	0.411867	5.633272
29.73125	0.24503	0	7.708598	0.129705	0.574313	1.451577	1.155959	2.153513
11.45166	43.72879	0	2.424397	0.105548	0.326058	5.889507	0.243626	3.728582
23.4195	0.046321	0	2.617651	0.039845	0.295411	12.37893	1.111301	3.969296
8.135016	0.764916	0	18.9724	0	0.086231	21.72296	1.288611	15.58004
2.064843	12.28905	1.11893	2.755399	0	0.154948	0.521808	0.038592	2.143975
2.883386	0.373161	0.192489	6.353386	0.041418	0.038384	1.684339	3.146836	8.720153
3.232596	7.382334	0.083575	2.079721	0.449568	0.305536	1.105466	0.345898	5.653777
3.62066	0.944874	0	20.26546	0.161543	0.199615	2.043424	2.72664	10.97104
0.512455	0.137759	0.213613	3.121567	0.129271	0.09318	9.678743	1.591375	4.954765
0.502252	49.56812	0.109745	5.547257	0.708413	0	1.214342	2.16318	7.366828
7.294224	0.65586	0	3.792048	0	0.250247	1.805872	0.912647	4.292487
12.51228	0.23525	0.036701	3.088668	0.197422	0.182962	1.960473	5.346753	2.141049
3.158359	0.605615	0.095144	4.615426	0.043869	0.027104	14.08541	0.658173	4.904788
39.71645	43.789	1.742573	1.402791	0.069866	8.072017	0.165189	0.503952	1.295741
21.20232	4.66682	0.047953	8.651266	0.619075	0.334677	0.475711	1.741532	6.273777
5.806584	2.554891	0.778187	1.59381	0.186046	0.59389	39.12026	0.506968	1.161097
46.19372	1.059501	11.12855	2.155423	0	1.160695	0.063454	0.421583	1.927734
110.8881	2.548501	0	4.190678	0.216511	0.267538	2.969098	0.91621	35.98594
15.02238	0.06217	0.055231	3.126737	0.035652	0.308379	2.242227	3.421956	4.94327
0.225653	0.306416	0.012327	12.03328	0.517201	0.061451	0.9971	0.635165	7.61041
29.96967	57.82558	0	0.451545	0.041957	0.103692	5.952185	0.056494	10.70136
67.43038	5.056762	0.178503	4.349416	0	0.854283	0.926278	1.573608	0.630915
0.205415	0.548779	0.031623	3.803477	0.102065	0.063059	214.919	0.569333	4.524937
50.91384	2.516252	0.030396	1.252778	0.098105	5.076322	0.788651	0.311362	0.753776
25.46058	2.032538	0	1.56758	0.197554	0.134262	0.822081	0.311596	0.872346
7.399837	0.026029	1.065529	1.582394	0.250763	0.18813	0.406558	0.068906	3.701552
23.36739	1.516831	0	7.520837	1.391733	0	0.164529	0.162532	30.86812
6.454549	26.21675	0	1.412115	0	0.23212	7.959053	0.260155	3.092331
11.5549	0.352979	0.027874	3.309164	0	0.083374	0.808287	0.46722	3.098585

1.553509	2.75364	0.994551	5.472043	0.207093	0	0.783435	0.079669	25.38569
5.081912	17.91279	0	15.73107	0.125398	0.077476	0.94876	0.916571	8.505199
19.9349	0.383923	0.010106	8.120597	0.032617	0.39296	0.709485	1.072822	1.90691
30.64118	16.74265	0.02986	1.648624	0.337305	0.744285	0.843088	0.213179	1.310717
2.64528	0.11316	0.273439	19.75447	0.622966	0.064149	4.246935	1.248204	8.601002
1.222064	14.60971	0	5.687333	0.600905	0.057117	0.196721	10.10917	17.37391
3.514709	4.755491	1.302414	20.46677	0.1356	0.069815	0.213739	0.965056	4.630504
7.536002	1.285849	2.01372	2.540741	0.234916	0.580561	6.035676	0.94891	6.555916
7.865208	0.223247	0.237994	9.341807	0.1646	0.152544	0.415121	0.031661	6.182893
13.58927	3.252619	1.382528	3.294694	0.07197	0.111165	2.926833	0.775235	4.601769
5.657961	0.442229	1.885761	1.567084	0	0.193549	0.888821	1.256793	0.885319
1.816417	2.51078	3.194686	1.661808	0.104503	0.839357	1.087171	1.782302	1.119804
64.93743	13.375	0.447409	0.585395	0.068763	0.94528	0.373938	0.198399	1.724675
2.292081	0.374928	0.053292	2.643104	0.057334	0.017712	46.7411	3.286426	1.58993
13.67536	17.23345	0	7.518736	0.132603	0.109236	6.54218	1.810938	4.817038
15.69112	0.425762	0.155618	11.56363	0	0.077579	13.33998	2.721183	24.20419
26.9262	15.76825	0	1.368944	0.087861	0.13571	5.31806	0.219701	8.799198
3.6331	0.080155	0	25.38763	0.200576	0.061962	1.327863	3.144335	3.250484
2.564531	8.915693	2.866274	0.45029	0.120143	0.692802	7.044757	0.562331	1.37935
0.302651	22.73489	0.080924	3.76179	0	0	226.2243	0.100478	5.351402
0.727051	0.155138	0	8.821752	0.237239	0.036644	41.3961	0.182532	10.24539
0.421159	1.449521	0.029717	3.558776	0	0.029629	4.444716	0.903982	11.62141
15.57949	3.253209	2.137438	3.020134	0.067634	0.626802	33.90131	1.014732	4.945699
61.16435	0.476568	0	0.183952	0	0.289456	90.8071	0.180231	0.799921
0.106672	2.570762	0.154835	0.759894	1.232677	0.041167	26.15183	0.153798	15.43509
1.844976	0.393388	0	15.61035	0	0.041813	4.928425	2.577499	18.69566
22.9677	17.98406	0.040249	5.36958	0.173207	0.267535	3.726694	1.424277	9.430444
26.40136	17.13738	0.631216	4.42517	0.231508	0.944027	2.080012	0.543273	9.126898
18.81483	23.24358	0.013401	3.008302	0.086506	0.187064	18.1216	0.557421	4.522735
15.89582	0.497417	0	30.34121	0	0.111307	1.192674	0.502467	5.441349
0.015053	0.267813	0	17.47079	0.131639	0.030499	0.108935	0.721641	0.621972
8.506484	2.283807	0	5.469516	7.857954	0.404579	11.1475	1.259565	8.32768
21.21167	0.071554	0	28.65487	0.738591	0.091266	0.209557	12.84295	10.85402
41.75273	0.34757	0.049404	12.3622	0.265754	0.032839	1.809627	1.298393	14.32609
6.351045	0.794861	0	1.740293	0.105188	0.129979	1.691193	0.424893	3.065597
3.547614	2.680542	0	1.860439	0.171591	0.715604	0.040571	1.600769	28.71685
18.18752	46.21914	0.010966	0.216041	0.070789	0.349889	11.36454	0.29275	1.16907
28.38374	51.30517	0.853355	1.286054	0	0.949769	0.817791	0.406573	3.235649
7.555837	1.486505	1.161064	1.15505	0	0.281587	2.250969	2.405939	0.867621
21.03154	11.02043	0.948183	3.865177	0.041922	0.621622	0.317181	0.145146	6.501267
0.408185	0.715943	0	14.05043	0.371829	0	1.450585	1.180101	16.36972
1.25292	1.713135	0.026857	5.778276	0.086683	0.053556	17.0519	0.333469	4.440115
30.03248	20.69917	0	9.400489	0.241834	0.149414	4.574297	0.88382	8.799304
5.034523	11.53433	2.725763	1.946953	0.09775	2.264761	2.49607	0.225627	3.539432
5.102332	0.026202	0.037243	1.283974	1.442442	0.185666	0.255786	1.005771	14.46926
3.978083	24.47644	0	0.838793	0	0.087992	12.07741	0.730512	12.4938
9.869518	4.66736	0.038974	2.79504	0.125789	0.129529	11.85688	0.129043	11.85707
26.73165	0.859967	0.012822	0.857498	0.165534	0.063921	9.393207	0.159202	0.913691
1.823522	2.293887	0.428393	1.573141	0	0.533909	1.634554	0.687046	1.70952
3.62232	0.334477	0.568284	6.123351	0.035964	0.255528	1.649622	10.50791	10.78616
6.68932	0.464306	0.113137	2.8007	0.547731	0.310208	0.604353	0.386306	20.89701
0.112141	2.335016	0.472189	3.315383	0.099392	0.133051	307.3475	0.248534	1.714586
1.053752	10.96469	0.163711	3.972022	0	0	1.149352	0.548826	5.263697
20.58575	22.47447	0.882542	4.51295	0	0.319977	5.632716	2.017256	6.494789
1.042335	17.83933	0.74021	3.483225	0	0.51094	10.51512	0.919069	3.862713
4.847446	0.422569	0.100107	30.42969	0.646198	0	2.648282	0.870074	38.5595
2.666813	0.656316	0.063606	4.633022	0.102646	0.285383	1.650313	0.45411	1.885547
8.053484	1.224969	0.022711	3.755911	0.03665	0.16983	1.19584	2.678881	2.395203

11.32052	0.418636	0.799324	3.135562	0.085995	0.132827	0.711634	7.087866	24.59135
10.18612	29.91475	0.431685	0.242447	0	1.315143	0.201314	2.382199	0.765626
72.55044	10.02301	0.089743	1.733072	0.108619	0.771751	5.18767	0.564106	4.866661
9.688123	27.05549	1.495462	6.122502	0.03549	0.30698	0.453125	2.682825	3.153106
0.462333	1.327596	0	8.898366	0.388757	0	0.643417	1.15905	6.729262
49.019	0.176381	0	5.432945	0	0.074991	1.721872	0.964997	10.59067
0.247843	12.32394	0.127183	4.668207	0	1.03982	0.465862	1.010653	3.958726
0.480516	0.183428	0	1.138024	0.447896	0.012579	0.077018	0.156642	9.996844
11.68269	3.159384	0.106174	1.369972	0	0.25877	12.83756	2.717145	3.907382
13.60228	0.192706	0.862828	10.31484	0.033152	0.93197	0.485986	2.404083	1.949949
4.28397	33.62369	0.07447	6.884929	0.440647	0.012375	3.068739	4.969934	12.32565
0.186975	0.95248	0	6.316906	0	0	75.65286	0.271129	4.917148
31.9901	35.45197	0.021566	5.377679	0.069604	0.494544	1.316555	0.240989	7.056798
9.585887	0.054491	0	10.16567	0.124992	0.025742	2.994684	0.448788	8.382003
0.228361	20.34307	0.216559	7.345671	0.09985	0	1.180416	0.268887	9.453155
6.006313	0.180872	0.032137	20.29249	0.207444	0.032042	3.825709	0.359117	29.95379
28.29754	5.111418	0	6.234155	0.034316	0.243821	0.665316	2.039617	4.897476
0.300075	4.457494	0.027468	1.858329	0.177307	0.013693	27.92001	0.451891	7.563194
3.736361	35.116	0.150828	6.114732	0.146041	3.067809	1.081927	1.825915	5.270807
15.92572	2.396649	0	2.246331	0	0.119177	0.456074	0.500893	5.587603
0.196725	2.273262	0.326607	18.66604	0.084331	0.013026	6.639671	26.02663	4.55796
13.85315	7.52316	0.07513	18.15038	0	0.374539	0.802652	2.658581	12.09941
0.17184	0.363957	0.032333	0.653733	0.104356	0.064475	101.113	0.120438	2.064429
6.162983	0.657529	0.259616	0.68911	0.033517	0.186371	39.00494	0.051576	1.101128
0.553914	0.374282	0	12.15727	0.090372	0.083753	0.833327	1.234198	11.72436
10.14647	17.69868	1.685484	0.166968	0.069299	1.49854	24.16764	0.37323	1.1261
0.075587	0.10506	0	2.60458	0.103281	0.063811	65.73739	0.317858	21.21601
0.725743	1.305873	0.348033	16.14847	0.210617	0.238566	0.597572	2.849352	13.28079
6.107953	30.51471	0.012197	0.246614	0	0.170259	0.260622	0.053006	2.663167
83.92732	16.61068	0	1.004745	0.297865	0.460081	0.492985	0.644561	1.512587
0.520046	0.791671	0	7.862937	0	0	0.33602	0.48598	69.07983
31.80407	24.54641	0.316077	0.53471	0.107384	2.338694	1.218701	1.776358	0.758687
0.275002	2.732913	0	31.72732	0.03666	0.056624	0.624076	8.17268	19.91118
12.47312	0.399848	0.044869	1.791139	0.181022	0.100658	0.428004	0.041784	1.330111
11.17225	1.528062	4.163744	7.218693	0.130896	0.242617	4.827991	0.511949	6.774172
1.743771	1.12328	0	6.923121	0.202351	0.075012	15.1185	2.747908	3.767115
2.422234	0.524107	0.027255	5.242124	0	0.081523	71.83812	0.693733	4.490319
8.25095	3.166235	1.516475	2.681896	0.157886	0.45116	4.143657	1.374217	1.812679
26.87584	0.598167	0.214441	3.551651	0.145708	0.540145	0.585666	1.807742	8.866184
8.532635	1.215404	0	5.832909	0.317611	0.130821	11.66477	1.344034	10.69629
2.010116	3.594706	0.042817	6.326343	0	0.170764	13.20044	5.050526	6.468442
0.515325	0.725921	0.098792	12.51391	0.42514	0.032833	20.05355	0.47021	9.668127
1.16589	0.522921	0	15.02017	0.249893	0.015439	3.332341	0.394149	37.29699
10.92525	0.333948	0.689411	5.495904	0.109431	0.540885	0.500223	6.455046	6.217412
50.52728	1.880214	1.066082	3.695234	0.028437	0.043923	0.497536	0.300837	0.9945
20.07754	1.599519	0.023043	7.036236	0.223115	0.091899	20.15157	0.443468	18.90305
10.83495	15.00143	0	5.279085	0	0.035499	2.59022	2.01145	3.037832
4.056136	19.85558	0.73396	2.369183	0.044696	0.207111	12.15295	0.395474	9.655106
5.519061	13.20155	4.014113	2.269071	0.156093	1.084949	18.19473	0.630513	2.688129
25.29906	32.42535	0	1.083276	0.082749	0.613508	0.195651	0.30242	5.130206
0.100828	1.121154	0	6.019267	1.102167	0	0.521188	1.06001	50.32354
2.471822	18.72114	5.757321	1.0517	0.046109	0.797662	22.28351	2.669593	3.257688
1.863703	37.23523	0	12.04884	0.08524	0.052665	0.161232	0.459088	9.816487
20.63665	26.53088	0.079257	10.36615	0.073087	0.079023	1.520683	1.209011	8.31359
12.00254	0.893265	0.321546	7.764281	0.039915	0.382249	0.41525	0.161232	3.912876
43.59861	7.129568	0	4.107986	0	0.537451	2.879446	0.379266	7.651682
0.157183	1.611596	0	4.340517	0.078099	0.024126	3.656199	0.525786	16.29151
3.696095	4.90995	0	2.23953	0.30531	0.062877	9.769261	0.587263	5.248863

5.212829	9.079565	0.015487	6.431096	0.049984	0.185294	10.51821	1.990206	9.614492
0.788015	25.82751	0.255532	21.62281	0.091637	0.268931	7.994953	2.09755	3.96554
16.99317	22.87718	0	4.648254	0	0.157387	1.108227	0.803583	13.89424
10.95331	40.9866	2.28252	0.806219	0.080955	0.425145	0.153127	0.420436	0.886541

TDGF1	TNFSF9	ADRB1	CSF3R	GALR2	HTR3A	OPRL1	SSTR2	TACR1
0.664713	0.338686	0.401301	0.49061	0.413425	0.308229	0.303341	0.779112	0.057948
1.084565	1.028478	0.870313	0.467263	0.047079	2.023147	0.729792	1.084981	0.217762
0.208287	0.276667	1.345517	0.480927	1.069449	0.476383	0.207676	0.432178	0.237211
0.486128	0.383334	0.701644	0.667721	0.106347	0.4448	0.318807	0.225382	0.20496
0.431629	0.402243	1.029277	0.617312	0	0.185851	0.428228	0.787336	0.514404
0.80728	0.208334	0.694761	0.754468	0.07266	0.065547	0.40492	0.366037	0.099581
0.882795	0.777418	0.447567	0.369386	0.282127	0.681502	0.285864	0.300739	0.270221
0.853896	0.37106	1.072435	0.408366	0.075491	0.244104	0.460073	1.350717	0.102537
0.549138	0.690783	0.442792	1.319782	0.12441	0.482938	0.40377	1.056571	0.735302
1.558044	0.643334	0.625745	0.582446	0.261767	0.515224	0.578484	0.562722	0.201799
0.787933	0.437749	0.873538	2.605244	0.430927	0.746392	0.867846	0.269488	0.695419
0.620905	0.816396	0.490256	0.605327	0.231085	0.518795	0.466272	0.441569	1.2396
0.493071	0.220561	1.153515	0.434003	0.082841	0.708257	0.589013	0.568428	0.399144
0.463203	0.270385	0.340506	0.449766	0.034742	0.384647	0.240347	0.576363	0.285688
0.673629	0.475219	0.876581	0.380514	0.072511	0.326217	0.394139	1.009492	0.23957
0.70126	0.231735	1.089429	0.676454	0.03143	0.502635	0.742903	0.335782	0.205955
0.982267	0.330131	0.513768	0.70374	0.050373	0.082622	0.554985	0.980049	0.094925
0.492708	0.627613	0.924006	2.175179	0.626819	1.482199	0.468431	0.610977	0.612976
1.061896	0.4149	0.740645	0.554409	0.387291	0.498418	0.343497	0.382966	0.122489
0.491213	0.492983	0.528571	0.32611	0.069973	1.060487	0.306582	0.459472	0.467509
0.686044	0.268952	0.464599	0.860651	0.078793	0.368324	0.519852	0.818959	0.070866
0.786214	0.708805	1.139505	0.385693	0.326498	0.449842	0.23842	0.260899	0.381747
0.408028	0.564825	0.502685	0.845152	0.327497	0.424077	0.337857	0.440155	0.341058
0.395334	0.575941	0.866434	0.983452	0.140607	0.392063	0.450334	0.531931	0.128469
0.528451	0.511414	0.605209	0.322705	0.052023	0.494902	0.333233	0.581382	0.539186
0.59028	0.478083	0.436707	1.36728	0.152239	0.243462	0.234043	0.960872	0.39121
1.437469	0.28853	0.717852	1.193874	0.203906	0.228033	0.299223	0.412175	0.038108
0.237891	0.34789	0.42994	0.495185	0.599521	0.639171	0.350424	0.318944	0.22467
0.968291	0.513584	1.789537	0.21185	0.129071	0.308484	0.212599	0.416399	0.028429
0.731266	0.320072	0.962265	0.743367	0.734048	0.238857	0.318522	1.336843	0.222095
0.35513	0.36532	0.717598	0.429455	0.054383	0.396043	0.221551	1.148754	0.176081
0.755522	0.242484	1.0445	0.483547	0.14095	0.513236	0.390036	0.367273	0.351333
0.448247	0.605936	0.827797	1.161557	0.067241	0.504574	0.820515	0.259895	0.008639
1.396184	1.147621	0.398838	0.583287	0.04722	0.294315	0.308523	1.435495	0.279088
0.12211	0.356509	0.656682	0.358713	0.149594	0.220829	0.214296	0.852829	0.132797
1.622174	1.010495	1.061498	0.405864	0.082232	0.131507	0.331849	2.731985	0.116222
0.065509	0.419126	0.762578	0.314119	2.347419	1.59934	0.468446	0.122856	1.778719
1.059234	0.437727	1.094811	1.145665	1.049562	1.154972	0.586737	0.914931	0.691429
0.603804	0.509023	1.011432	0.734962	0.133147	0.131033	0.341152	0.452309	0.053223
0.439667	0.340967	0.643781	0.828033	1.93415	2.252817	0.602215	0.216904	1.119867
0.201087	0.302717	0.68142	1.287045	0.809422	0.848524	0.331376	0.50741	0.501907
0.520818	0.397248	0.750404	0.885877	0.025522	0.326514	0.495345	0.727086	0.265611
15.35127	5.49086	0.167265	0.843264	0.036827	0.072485	0.226463	0.108756	0.132489
16.18593	1.548901	0.336173	0.187115	0.046877	0	0.13212	0.040716	0.012046
0.008661	22.21837	0.563102	0.700567	0.827648	0.125309	0.56278	0.132714	0.03272
3.142701	2.778788	0.20715	2.257704	0.111416	0.006092	0.180799	0.070966	0.066805
6.701837	1.022719	0.209706	1.92738	0	0.016603	0.116709	0.644735	1.335238
5.308188	0.984027	0.217828	0.130702	0	0.417815	0.063676	0.07555	0.074506
2.953906	0.649765	0.3081	3.144563	0.24786	0.19514	0.647774	0.068891	0.012739
2.679645	4.850642	2.705644	0.120585	0.060419	0.08919	0.23221	0.027988	0.015526
4.472581	13.81261	1.1291	0.043731	0.046998	0	0.018063	0.022452	0
0.411779	22.34573	0.361768	8.239087	0.792723	0.124113	0.387762	0.181523	0.14815
1.79159	28.64684	0.438704	0.180596	0.111602	0.012203	0.042892	0.040928	0.044611
0.217472	23.03236	1.416088	5.949523	0.047015	0	0.180695	0.579869	2.875395
9.90062	0.30715	0.044813	0.82514	0.018747	0.092245	0.230557	0.081413	0.038538
7.095989	3.591879	0.245011	1.488133	0.31318	0	0.2845	0.143428	0.073162

0.352714	5.438498	0.46951	1.048853	0.039282	0.019329	0.150973	0.184243	0.010094
7.180067	0.666742	0.149657	2.254149	0.031303	0	0.144369	0.092442	0.024132
8.465794	4.669089	0.610912	0.34463	0.101414	0.019961	0.202678	0.059898	0.020848
4.190955	1.416473	0.118093	1.81013	0.264651	0.121543	0.467886	0.098077	0.009068
14.8229	5.318475	0.098145	0.149488	0	0.025253	0.059173	0.031203	0.019782
0.155079	35.05735	0.522269	5.84894	0.33247	0	1.168268	0.189765	0.04882
14.17776	3.622227	0.17887	0.583413	0.204072	0.050208	0.078432	0.064992	0.02622
7.406526	4.267006	0.311276	0.136743	0.055411	0	0.133102	0.036096	0.032038
0.913745	26.45188	0.22323	0.540528	0.287334	0.114877	0.227766	0.065512	0.110755
2.68636	3.519831	0.245844	2.329929	0.217114	0.061851	0.241549	0.093297	0.008809
0.889881	19.73966	0.067616	0.497773	0.017678	0.008699	0.054355	0.064491	0.036343
0.209975	23.29636	0.590314	2.603723	0.038585	0.075945	0.118637	0.321733	0.694068
5.327874	26.39854	0.092142	0.605039	0.308364	0	0.162958	0.127222	0.009905
2.050414	9.746924	0.024976	0.137373	0.039181	0.713334	0.055214	0.063524	0.003356
16.58781	1.454029	0.110683	0.680581	0.154339	0.056958	0.430053	0.241297	0.089236
3.647372	1.403198	0.356044	1.982418	0	0	1.159189	0.27814	0.25835
6.793328	0.27891	0.072343	0.471358	0.340459	0	0.058155	0.072285	0.019442
0.052652	29.31282	0.883097	1.19847	0.087958	0.259686	0.480036	0.055006	0.013562
1.984935	12.41224	0.078908	2.470515	0.231066	0.008121	0.291792	0.183494	0.042412
9.255692	2.755324	0	0.434035	0.170296	0	0.654506	0.066561	0.021881
7.188519	0.452079	0.049468	2.556218	0.20694	0.118799	0.331392	0.155776	0.053178
0.476552	0.91306	0.228368	1.584581	0.119416	0.528842	1.682837	0.255845	0.040915
1.093901	8.122177	1.449713	6.963395	0.61327	0.050295	0.301173	0.118371	0.043776
2.883894	0.198132	0.965845	0.089786	0.085361	0	0.04921	0.022242	0.014623
4.288071	32.43212	0.083873	1.599232	0.292386	0.014387	0.224748	0.06095	0.060108
8.512	1.073033	0.101943	0.226747	0.274149	0.014989	0.409752	0.111121	0.007828
8.516464	6.164862	0.159194	2.230763	0.066595	0.032769	0.230354	0.057843	0.034226
1.266303	5.036397	0.915646	18.04989	0.019152	0.28272	0.426925	0.585547	0.275605
2.698363	5.840971	0.046483	1.342581	0.486131	0	0.124558	0.219564	0.049969
8.117988	2.664359	0.058676	0.089371	0.294549	0.018117	0.07547	0.044771	0.006308
8.28188	0.563262	1.618302	0.333787	0.026445	0	0.203271	0.055125	0.013591
6.014059	3.531941	0.223844	1.859408	0.078034	0.191987	0.352393	0.152499	0.005013
0.808118	12.02584	0.290972	3.872486	0.097377	0.191663	0.505243	0.207218	0.068814
4.116245	3.991245	2.119431	2.279967	0.087784	0	0.12933	0.08133	0.022558
10.64678	0.77211	0.09012	0.172852	0.172791	0.015459	0.138856	0.060032	0.14128
11.43657	2.412447	0.065315	0.218617	0.136615	0.067223	0.390876	0.081743	0.11312
8.592882	23.58148	0.505693	0.482927	0.037776	0	0.116149	0.072184	0.029122
3.221343	0.657019	0.182588	1.02178	0.127303	0.068905	0.518623	0.159222	0.029442
1.167718	23.88405	0.881763	1.773507	0.141872	0	0.340788	0.104742	0.009114
5.895922	12.42605	0.446539	0.399015	0.07472	0	0.186663	0.064899	0.019201
0.353714	4.805656	0.403981	0.3024	0.081249	0.095951	1.267797	0.093152	0.041757
7.79836	2.379431	0.081684	0.10368	0.640701	0	0.032832	0.356155	0.010976
4.204244	4.527306	0.550935	0.328842	0.037173	0.012194	0.19049	0.071032	0.025473
13.25368	2.117046	0.046623	0.339282	0.048759	0	0.093699	0.093171	0.01253
18.76766	2.018951	0.491541	0.256901	0.120956	0.126476	0.139463	0.073541	0.011656
14.88331	4.788849	1.0633	0.12402	0.075137	0.007394	0.11551	0.036546	0.108124
0.908744	5.355409	0.476755	4.579819	0.047486	2.126308	0.882102	0.112735	0.061012
3.507003	4.277032	0.522613	0.675882	0.097891	0.144506	0.232008	0.087859	0.025155
0.282039	0.53466	0.281435	0.552914	0.038391	0	0.191814	0.077805	0.138115
8.543283	0.705766	0.148873	0.156208	0.083037	0.005107	0.067817	0.045077	0.016004
10.83046	0.228724	0.088988	0.341865	0.195439	0.004579	0.089421	0.347587	0.023915
2.445679	6.943506	1.241804	2.519148	0.051265	0.058859	0.210163	0.092022	0.008782
2.292649	6.097611	0.366219	1.454725	0.115623	0	0.416603	0.326385	0.025998
12.15059	0.59324	0.115404	0.143225	0.268205	0	0.113388	0.060568	0.048245
7.300249	5.779054	0.163011	0.119863	0.188116	0	0.090374	0.055145	0.02417
9.759557	7.621257	0.082365	1.366052	0.344558	0.016954	0.278093	0.047884	0.026562
0.112838	5.6396	1.665451	0.550291	3.151764	0.081625	0.286894	0.043224	0
0.060824	33.51269	0.229015	1.317767	0.35128	0.062855	0.331385	0.038832	0.114887

11.97604	0.977097	0.253436	0.522731	0.115959	0.048908	0.286501	0.094963	0.076623
1.13156	3.785458	6.240931	6.468041	0.288801	0.284217	0.432884	0.190641	0.022264
14.66882	0.403759	0.108753	0.067485	0.151649	0.055966	0.050998	0.062566	0.004871
6.53629	0.55798	0.500977	0.029674	2.960218	0.232027	0.17116	0.072811	0.390442
9.776899	1.860293	0.109478	0.142046	0.15266	0	0	0.235357	0.657086
11.03064	2.300905	0.190019	1.560746	0.07949	0.06519	0.203672	0.115071	0.020427
10.82939	16.28611	0.481973	2.101186	0.483895	0.158738	0.24797	0.196138	0.32123
10.54067	1.693534	0	0.604399	0.121603	0	0.046736	0.084497	0.008928
7.482917	0.902445	0.018372	0.041456	0.038428	0.441206	0.063999	0.026702	0.003292
6.224016	0.919527	0.314578	1.321561	0.30964	0	0.416517	0.134472	0.009946
14.4184	0.980975	0.034488	0.245136	0.129844	0.007099	0.14971	0.057642	0.007415
4.027757	4.784353	0.177534	0.17481	0.050637	0.008306	0.04541	0.082099	0.004337
0.080072	4.948523	0.896002	1.759488	0.21684	0.015243	0.309544	0.150672	0.083582
0.1958	0.621097	0.116728	20.36809	0.064251	0.158077	0.953176	0.285727	0.141991
4.524567	16.15396	0.019438	2.460634	0.203286	1.960579	0.203137	0.056502	0.020895
9.669362	0.455194	0.1155	0.175922	0.048317	0	0.157843	0.029377	0.043456
1.434354	14.54432	0.630075	0.533161	0.433022	0.018528	0.180897	0.114468	0.019352
0.513565	2.034534	1.353575	18.82435	0	0.024441	0.229079	0.759297	1.480595
0.758898	2.212593	0.725807	0.565605	0.794369	1.798048	4.158903	7.727598	0.798373
39.55322	2.115508	0.075588	0.238789	0.070268	0.008644	0.12828	0.079342	0.022571
7.070481	5.043909	0.075477	1.921138	0.284168	0.015537	0.582481	0.170031	0.016227
3.917416	2.960213	0.458886	0.977608	0.677523	0.027782	0.49909	0.088271	0.10156
4.053387	3.596342	0.653728	1.548892	0.791633	0.141649	0.69148	0.112514	0.018493
2.683173	3.184044	0.015357	0.080568	0.080303	0.015806	0.067899	0.159028	0.012381
3.783265	0.337072	0.040699	0.10791	0.113505	0.006981	0.043624	0.25879	0.025521
0.032002	18.52735	4.964428	0.940768	0.151221	0.115749	2.027711	0.178046	0.077718
4.908188	1.252673	0.022845	0.668871	0.143354	0.058783	0.183652	0.153565	0.049117
3.857335	2.754787	0.780709	0.185954	0.024192	0	0.209201	0.121872	0.021758
2.000854	4.684428	0.21072	5.345493	0.023197	0.125561	0.566137	0.487595	0.262286
10.22422	1.337079	0.017734	0.708312	0.111282	0	0.028513	0.070881	0.076257
3.844641	7.298171	0.171616	0.538629	0.358958	0.032115	0.413879	0.113375	0.016771
7.376916	25.06176	0.078557	0.244141	0.149376	0.00735	0.074633	0.088226	0.007677
2.743838	13.52627	0.329216	1.552609	0.061209	0.331307	0.382277	0.167468	0.664548
1.99204	8.246775	0.734419	0.370228	0.882464	0.016083	0.540145	0.147619	0.041994
1.184124	11.87357	0.588002	0.474594	0.018921	0.651736	0.203619	0.062451	0.009724
14.5588	2.611859	0.186768	0.344631	0.088212	0.086812	0.125925	0.083185	0.016191
4.43349	0.20536	0.029962	0.07606	0.407351	0	0.060215	0.070763	0.008052
0.024008	38.55082	3.93717	0.204654	0.23529	0.014472	0.101734	0.081746	0.015116
6.545065	7.443935	0.021089	0.820864	0.04411	0.021705	0.096066	0.117491	0.007557
13.0968	1.460996	0.087003	0.126628	0.072792	0.116409	0.538545	0.047419	0.084174
1.271987	5.348672	0.433799	0.53944	0.2367	0.727948	0.288078	0.109648	0.0811
15.52266	3.511589	0.149523	1.152118	0.073588	0.009053	0.509083	0.319582	0.373472
4.637627	1.560572	0.07989	0.827444	0.434463	0.016445	0.231201	0.191583	0.060116
0	5.72881	0.339423	2.406858	0.070995	0.017467	0.191001	0.129495	0.018244
0.628349	9.92488	0.883256	0.891129	0.17764	1.870577	0.068273	0.055545	0.136945
0.363539	86.46912	0.299	0.418616	0.198991	0.055952	0.120181	0.148147	0.021915
4.28612	2.362061	0.095802	1.711406	0.166987	0.032867	0.295222	0.075421	0.028607
5.769932	1.348105	0.089403	0.387337	0.374	0	0.07187	0.045478	0.009611
11.61963	0.319331	0.041413	0.553687	0	0	0.116521	0.052666	0.022259
0.307897	29.28621	0.055205	0.108375	0.069281	0.102272	0.142011	0.116339	0.023738
3.210065	4.626556	0.169636	4.236929	0.458307	0.152769	0.431833	0.200319	0.231744
0.450464	50.52796	0.488378	3.88748	0.281796	0	0.433215	0.110142	0.009052
3.088461	0.813643	0.49745	1.033205	0.141885	0	0.218124	0.098589	0.012153
0.423203	10.2374	0.965836	1.40022	0.107266	0.202331	0.151162	0.080746	0.004594
0.209366	34.57977	0.595609	2.371744	0.659541	0.216357	0.225319	0.197317	0.028247
0.060027	23.0559	5.75581	3.03959	0.220612	0.046524	0.46028	0.164243	0.097184
16.19995	0.875118	0.195274	0.696541	0.094256	0	0.301881	0.092783	0.024221
7.869029	4.393248	0.091567	0.247945	0	0	0	0	0.049217

13.50516	0.724029	0.135213	0.268876	0.070704	0.086978	0.149457	0.030706	0.063591
0.720889	9.485721	0.703707	3.271099	0.245317	0.168996	0.829697	0.238644	0.075647
5.798415	3.838167	0.426257	0.738359	0.052446	0	0.167972	0.085032	0.022462
0.221255	10.42952	0.93547	1.805216	0	0	0.068365	0.384043	0.01306
4.753897	4.228866	0.069034	0.578311	0.252689	0	0.083243	0.062708	0
0.159078	4.648669	0.263074	0.845915	0.171955	0.016923	0.211482	0.083639	0.044187
0.04161	18.13404	0.621452	2.165321	0.344079	0.018812	0.279176	0.139466	0.098242
0.190051	9.034838	0.298786	26.78199	0.294096	0.036178	0.536897	0.485341	0.037787
16.502	0.677268	0.01581	0.57794	0.264552	0	0.025419	0.034467	0.008498
10.46069	12.0414	0.205177	0.584514	0.035763	0.087989	0.10996	0.118038	0
5.929477	0.599428	0.106468	2.167353	0.127253	0.062617	0.379035	0.116055	0.057226
11.98656	5.155608	0.062683	0.3819	0	0.12903	0.201561	0.182206	0
11.78604	0.687294	0.160441	1.077748	0.064536	0.025404	0.223229	0.116591	0.053068
2.66995	0.931199	0.055453	2.734727	0.266774	0	0.307591	0.141042	0.014903
6.564894	1.847781	0.326775	1.211125	3.759231	0.050449	0.525382	0.130606	0.061473
0.165222	0.248726	4.354662	0.816448	0.098228	0.030758	0.429003	0.131854	0.227175
0.356617	5.048306	2.495452	0.167441	0.068981	0.045258	0.123722	0.035949	0.04727
0.328342	39.36088	0.136641	1.217902	0.127024	0.015626	0.183073	0.09378	0.032641
0.017547	11.7549	0.693719	4.309998	0	0	0.074356	0.156838	0.555159
4.249096	0.458625	0.056348	0.104898	0.206254	0.014499	0.101919	0.102369	0.007572
0.168687	0.749734	4.403645	2.469869	0.428068	0.56654	0.720489	0.212827	0.189657
11.55219	0.704458	0.202819	2.135539	0.068793	0	0.237956	0.12747	0.005893
5.447575	6.593096	0.077471	0.984774	0.054014	0.168328	0.214512	0.037532	0.04164
3.482713	5.256693	0.024156	0.490567	0.101051	0.024862	0.116511	0.032182	0.043278
2.050171	14.32894	0.331902	1.106963	0.287848	0.324937	0.318873	0.373552	0.6048
5.521733	3.178826	0.575736	0.274264	0.133804	0.087787	0.154276	0.061983	0.137535
0.152392	3.211773	0.116033	2.07851	0.149354	0.055119	0.337234	0.05189	0.076759
1.219672	7.699776	0.076045	4.389709	0.130139	0.092497	0.400134	0.138153	0.0706
0.175296	35.81241	0.140005	0.248314	0.105423	0.005764	0.036016	0.044766	0.01505
2.80417	0.29397	0.089211	3.502699	0.043061	0.148321	0.29238	0.139632	0.040573
4.07564	5.144704	0.567445	0.790143	0.030048	0.022178	0.207872	0.057417	0.115821
6.105885	6.067958	0.262314	1.269647	0.109733	0.107992	0.084348	0.123904	0.056396
6.852977	1.92441	0.244147	0.690851	0.367682	0.16082	0.290476	0.124194	0.498662
0.917449	1.335601	0.699735	0.713525	0.05558	0.173208	0.719157	0.479528	1.390145
6.328888	12.80051	0.215381	0.529492	0.047421	0.140005	0.109353	0.065902	0.018279
5.006146	6.866533	0.068306	0.649924	0.031749	0.078113	0.183035	0.041365	0.004079
8.675405	1.265135	0.751396	1.629912	0.041	0.01345	0.430706	0.265895	0.217738
12.53948	5.606439	0.13923	0.636196	0	0.107474	0.083944	0.164413	0.018709
10.96813	26.26414	0.092654	0.389773	0.138428	0.040869	0.138327	0.072141	0.042686
9.026563	0.915194	0.023222	0.487321	0.113334	0.039834	0.074671	0.053438	0.033284
26.46639	0.096084	0.785036	0.132857	0.058643	0.019238	0.127719	0.057727	0.050232
9.166892	1.788323	0.104366	0.306151	0.472975	0.143221	0.055932	0.056882	0
7.311644	4.767265	0.025524	0.155508	0.071184	0.061297	0.068396	0.068011	0.013719
10.83115	1.636972	0.105312	3.964279	0.157339	0	0.235836	0.142126	0.024259
11.26017	11.93359	0.056981	0.143579	0.132428	0	0.066165	0.018404	0
9.369652	0.847664	0.098939	0.314789	0.248333	0.020366	0.206793	0.086278	0.021271
9.059225	4.760834	0.231534	0.169798	0.080714	1.012772	0.11633	0.056085	0.051853
2.439399	14.01868	0.142283	0.252835	0.595209	0.07322	0.114379	0.051698	0.009559
0.054601	0.60278	0.409344	0.134223	0.066891	0.092161	1.93327	0.058099	0.003438
10.67162	1.539172	0.070176	0.91686	0.146784	0.534478	0.191807	0.045897	0.007544
3.611039	1.54619	0.579404	2.147602	0.317877	0.14664	0.328334	0.144951	0.260371
8.295138	11.28912	0.027976	1.273591	0.731441	0.071983	0.303607	0.055907	0.09022
4.407477	11.50715	1.328141	2.50097	0.195633	0.077011	0.330829	0.197108	0.030163
0.921441	3.991956	0.080587	0.453783	0.153235	0.052781	0.159012	0.090505	0.019688
5.77735	7.343436	0.11971	0.102647	0.150234	0.024642	0.064155	0.034797	0.012869
9.860364	4.952921	0.922872	0.218069	0.036421	0.017922	0.139979	0.037961	0.037437
0.891105	9.428645	1.610494	3.346375	0.187143	0.276259	0.539441	0.195056	0
1.803256	15.6604	0.464713	1.644431	1.001468	0.072469	0.350936	0.127918	0

1.382642	1.910498	0.035209	0.091367	0.098194	0.012079	0.037739	0.03838	0.006308
6.351089	0.655141	0.645195	1.059557	0.299893	0.221349	0.211308	0.347303	0.102752
5.302309	0.399418	0.429776	0.643512	0.457087	0.172436	0.374771	0.264674	0.152695
1.178128	10.39841	0.737291	0.547099	0	0	0.182369	0.010304	0
14.65658	7.912157	0.082016	2.048713	0.223013	0.033765	0.309879	0.086421	0.052899
0	10.00922	2.808876	0.950733	0.263067	2.258108	4.426175	7.20003	0.052578
0.717485	6.518094	0.109309	0.77696	0.030485	0.060001	0.146453	0.121799	0.08617
4.647599	4.189777	0.126609	1.612379	0.148962	0.146597	0.267171	0.247266	0.182888
4.527189	3.068857	0.162816	0.082663	0.194601	0	0.009349	0.042256	0.006251
0.265897	2.92514	1.266848	0.270658	0.075171	0.416128	0.115564	0.075085	0.072438
7.142188	1.092949	0.350813	3.66478	0.10006	0.032824	0.269195	0.168024	0.008571
3.169786	5.924635	0.20439	0.703337	0.498762	0.087651	0.301229	0.129963	0.027464
3.1313	2.379821	0.06232	1.120988	0.148974	0.32987	0.32922	0.271727	0.062208
14.61848	1.720144	0.038859	0.879054	0.067733	0.026663	0.078097	0.016473	0.010443
4.244916	18.6208	0.44456	0.936272	0	0.254195	0.198543	0.107686	0
12.37333	1.491571	0.117445	0.121595	0.0289	0	0.033322	0.010041	0.014853
1.045358	2.686122	0.14251	2.379643	0.13248	0.179269	0.114562	0.092054	0.042554
5.608971	0.890669	0.198341	2.893683	0.071527	0.035196	0.280402	0.131708	0.01838
6.86332	3.630648	0.059407	0.958461	0.082838	0.081523	0.238781	0.158291	0.085148
3.542922	1.726841	0.127567	1.608384	0.200118	0.118165	0.287139	0.09502	0.051424
5.496867	1.186653	0.184183	1.513641	0.092459	0.007583	0.195442	0.141875	0.01188
7.142035	0.41987	0.07001	0.361372	0.439306	0.018014	0.23919	0.006359	0.03763
15.81192	3.632712	0.190803	0.290619	0.044344	0.01091	0.042607	0.034664	0.051277
0.542857	1.458062	0.199005	2.62697	0.157887	0.035314	0.397187	0.142123	0.162289
2.259942	1.081849	0.049844	1.017887	0.069504	0	0.213703	0.193182	0.035721
0	7.811129	0.587965	2.053992	0.030366	0.022413	0.717741	0.174073	0.039016
12.66578	1.49059	0.338296	0.621595	0.303254	0.02487	0.233102	0.087799	0
4.302472	1.782461	0.139102	1.234375	0.1518	0.012449	0.457012	0.129652	0.117025
3.016936	16.24716	0.20767	0.405098	0.160032	0.016874	0.114225	0.228355	0
7.624185	0.995723	0.601854	0.107125	0.108523	0.03738	0.033367	0.033933	0.02231
2.452311	4.347372	0.55844	1.974184	0.187466	0.078054	0.266029	0.075151	0.092641
1.714136	4.845769	0.13795	3.509719	0.04809	0	0.295724	0.175433	0.061789
5.653016	3.744916	0.084058	0.203903	0.117213	0.014419	0.292819	0.055994	0.097891
1.066384	33.99543	0.925848	0.184046	0.061478	0.08319	0.082698	0.032038	0.003949
6.736172	3.889572	0.039306	0.212867	0.051384	0	0.082944	0.023208	0.015845
1.425502	3.231215	0.44134	3.301929	0.035966	0.188774	1.290138	0.274902	0.834877
3.003359	0.304403	0.423221	0.199842	0.076501	0	0.067204	0.064548	0.008425
0.201284	22.75974	0.950995	0.300606	0.065757	0.072802	0.056863	0.074249	0.004224
8.096409	0.397988	0.091247	0.788962	0.052051	0.691541	0.186715	0.150701	0.06242
7.84603	3.779666	0.034466	0.16332	0.144179	0.035473	0.471011	0.112707	0.03705
6.086395	1.63882	0.510809	1.397881	0.068198	0.016779	0.327633	0.104647	0.25411
5.180288	7.374324	0.070717	0.468459	0.063392	0.010398	0.170545	0.080755	0.02172
4.502457	2.247754	1.96091	5.630156	0.056573	0.278374	0.358756	0.068792	0.029075
2.071736	1.448171	0.341114	0.616926	1.778395	0.461122	0.421558	0.153541	0.191555
8.543273	0.966192	0.213016	0.95003	0.078627	0.025793	0.292117	0.186668	0.020205
8.328148	1.866288	0.146392	0.2973	0.036744	0.078348	0.45661	0.123404	0.195138
14.74281	1.582755	0.008247	0.097702	0.034501	0.016976	0.046409	0.014983	0.039895
5.006677	9.75827	0.043695	0.433827	0.335111	0	0.128794	0.079382	0.007829
6.815224	7.248892	0.134299	0.719733	0.187271	0.046075	0.431846	0.05693	0.012031
4.952876	9.283842	0.101588	0.939853	0.283314	0	0.244996	0.147646	0
5.846927	19.54043	0	0.591151	0.429775	0	0.247765	0.186645	0
12.884	1.120958	0.198057	0.385971	0.288729	0.04324	0.221937	0.085047	0.058066
7.012394	4.440539	0.127189	0.645755	0.199526	0.147269	0.153369	0.057767	0.042727
4.314644	16.30831	0.095447	0.2123	0.370763	0.098236	0.142497	0.014863	0
18.83247	2.427344	0.144204	1.780101	0.390335	0.165878	0.334133	0.206502	0.373863
3.864046	3.339364	0.922032	1.418564	0.219155	0.08627	0.202148	0.091368	0.011263
5.561606	5.931941	0.314714	0.715614	0.016879	0.016611	0.285431	0.580549	0.091084
11.17992	0.559456	0.072555	1.387523	0.113819	0.018669	0.306211	0.131813	0.097494

10.58728	0.424546	0.055058	0.435614	0.043186	0.007083	0.094054	0.07502	0.007398
12.90121	2.762898	0.087552	0.244482	0.305213	0.052564	0.246337	0.076878	0.031372
3.089962	5.58879	0.099439	2.158569	0.13866	0.020469	0.287776	0.072262	0.07839
2.658105	9.398761	1.265121	0.492736	0.054374	0.517268	0.557269	0.217245	0.153697
11.66958	2.925073	0.059549	0.524048	0.290627	0.02043	0.207439	0.072123	0
0.768549	22.06783	0.312728	0.27906	0.11893	0.029261	0.114272	0.046484	0.00764
3.821996	8.060298	0.226879	0.240617	0.316367	0.015567	0.109431	0.016487	0.016259
1.274671	20.43625	0.08399	0.208474	0.351352	0.028815	0.090024	0.010172	0.015048
6.801517	10.53958	0.163297	0.128968	0.177105	0.043573	0.087515	0.039556	0.003251
0.696511	1.639083	0.021101	1.073685	0.029423	0	0.169626	0.08178	0.018902
1.115752	1.362521	0.260484	2.044086	0.186393	0.042331	0.374716	0.231634	0.029475
11.89527	0.448732	0.114572	0.609394	0.205408	0.050537	0.315781	0.065417	0.017595
0.066707	91.64178	0.200934	1.02583	0.280187	0.155104	0.107685	0.073009	0.036
0.374457	1.759456	3.309723	2.645424	0.104258	0.092343	2.131724	0.789644	1.366358
1.054186	12.34466	0.867038	0.517575	0.181353	0.089237	0.088709	0.071599	0.004237
3.078617	2.778376	0.200094	0.102758	0.101023	0.312462	0.088747	0.072703	0.044503
4.532863	5.066642	1.056925	0.187389	0.052636	0.0259	0.151723	0.137154	0.040578
0.248249	13.73059	0.355421	0.973342	0.304123	0.199531	0.753258	0.0587	0.02605
1.554931	3.901335	0.281605	0.342732	0.087726	0.604334	0.32271	0.130622	0.028984
4.77368	3.253588	1.474782	0.224629	0.038559	0	0.177834	0.207645	0
0.388684	2.311249	0.102443	0.918872	0.249987	0	0.192157	0.080649	0.055062
4.3646	2.773535	0.035341	0.844522	0.029568	0.123671	0.181826	0.089888	0.015196
3.417216	1.162477	0.304118	0.282415	0.40776	0.016052	0.156716	0.181334	0.012574
8.140555	0.674309	0.085549	0.492253	0.178937	0.158487	0.178806	0.149203	0.202319
9.849327	9.979593	0	0.477378	0.17353	0	0.080032	0.060289	0.053511
6.01614	1.019824	0.02029	0.345667	0.11317	0.006961	0.135922	0.019659	0.014541
6.720562	0.592992	0.063563	0.953814	0.103407	0.029076	0.181682	0.105213	0.026573
8.997031	1.078894	0.182798	0.256656	0.042483	0	0.038098	0.083639	0.018195
0.865122	10.881	0.5966	0.661125	0.051282	0.269165	0.151107	0.065329	0.004393
3.587125	4.525779	0.140065	0.833034	0	0.123564	0.514728	0.196299	0
18.18142	1.165351	0.026846	0.154473	0.018717	0.00921	0.086324	0.055275	0.00962
8.515845	7.671597	0.027851	0.58683	0.058255	0	0.044779	0.068308	0.007485
6.299032	0.905545	0.029914	0.079312	0.072997	0.005131	0.064126	0.04891	0.00268
6.318767	0.629894	0.095897	0.414748	0.111434	0.01645	0.44541	0.073559	0.002864
1.231572	4.441911	0.503429	0.658702	0	0.525873	0.096645	0.19384	0.016155
5.189106	2.495753	0	2.234897	0.04062	0.069957	0.764971	0.373982	0.062629
2.361371	2.678671	0.117245	2.191456	0.081745	0	0.172795	0.144368	0.031509
12.1953	0.699703	0.03889	0.309336	0.10168	0.100066	0.039079	0.042392	0
7.661595	1.391756	0.63941	0.239821	0	0	0.097246	0.025117	0.018577
0.004732	19.83159	0.041572	1.134127	0.260861	39.05576	18.50758	1.706871	0.017876
7.519384	3.918945	0.035186	1.381503	0.404779	0	0.353569	0.051139	0.028368
19.30692	0.473277	0.11373	0.566424	0.373817	0	0.052244	0.03542	0
6.492529	0.443149	0.402298	0.661384	0.090157	0.029575	0.334952	1.383428	3.135351
1.188262	4.519116	0.305248	0.528991	0.166002	0.09425	0.201216	0.070983	0.04922
8.006535	6.017255	0.238445	1.672848	0.181361	0	0.45307	0.181153	0.058255
1.983131	0.723737	0.105593	0.339534	0.110431	0	0	0.230201	0
6.928729	1.018286	0.658513	1.130757	0.067189	0.330612	0.426079	0.087537	0.474804
0.554619	1.94169	0.226633	1.887049	0.023702	0.42569	0.469132	0.417907	0.066997
12.52942	1.264897	0.086846	2.253622	0.18165	0.074486	0.279257	0.19459	0.00778
8.335423	2.357539	0.259953	7.865228	0.066308	0.05873	0.69318	0.377813	0.419168
4.246195	4.771419	0.021256	0.366931	0.355686	0.021877	0.085439	0.038617	0.011425
7.824986	5.82459	3.216292	0.601069	0.047825	0.007844	0.251202	0.116309	0.061448
9.73952	1.716518	0.292178	0.52273	0	0	0.100662	0.015166	0.022435
10.77958	3.805008	0.100584	1.579171	0.113285	0.09556	0.323434	0.134943	0.045746
12.97983	0.435834	0.019565	0.059602	0.068207	0.013425	0.052428	0.004739	0.007011
0.073022	23.09846	0.601435	0.892996	0.117412	0.61901	0.161162	0.17191	0.112066
7.448598	3.443581	0.150725	0.391126	0.210175	0	0.121166	0.03651	0
7.742833	5.451113	0.038678	0.536749	0.060675	0	0.17101	0.105401	0.025986

2.035719	3.064582	0.09066	1.464566	0.137912	0.008483	0.139136	0.065882	0.031009
0.185525	4.659061	2.111493	15.25918	0.077482	0.282134	1.244764	0.360721	0.135393
4.066083	0.852126	0.803964	0.406779	0.156025	0.059713	0.13992	0.234899	0.623683
8.951038	0.487594	0.028938	0.081623	0.211848	0.129063	0.104684	0.075354	0.015554
8.600796	2.668503	0.111238	1.075746	0.299147	0.065422	0.242719	0.05774	0.051248
17.22963	3.038118	0.115993	0.280433	0.207956	0.102328	0.066604	0.126437	0.017813
3.859765	2.622582	0.073319	0.130287	0.038339	0	0.05894	0.03996	0.004926
8.79144	5.648373	0.262054	0.994359	1.70207	0.241321	0.476763	0.040091	0.326183
2.334599	0.429833	0.147558	0.267204	0.138888	0.197431	0.166069	0.134037	0.075346
1.331847	17.31318	0.094872	0.770685	0.165366	0.406853	0.025422	0.068943	0
0.005003	5.422841	0.281311	0.821243	0.036775	0.009048	0.65016	0.281087	0.047251
1.530345	7.845626	0.037175	1.02339	0	0.063768	0.189267	0.285904	0.39296
12.28294	1.196545	0.276072	0.956419	0.033967	0	0.287205	0.10621	0.017457
3.045787	2.304269	0.14335	1.051276	0.128502	0.196719	0.252425	0.280272	0.022014
6.610399	3.49436	0.039407	0.736933	0.185456	0.050698	0.300946	0.136024	0.042361
1.590175	6.117638	0.357023	2.532452	0.259744	0.111834	0.411792	0.112803	0.091777
5.71561	0.660892	0.089006	0.61257	0.26374	0.061071	0.077514	0.148226	0.07176
5.653796	11.93331	0.348212	0.339716	0.214216	0.063245	0.164661	0.052097	0
7.991017	2.615157	0.194243	2.733167	0.348246	0.05712	0.133843	0.070578	0.014915
17.69085	1.116535	0.059237	0.736843	0.185854	0.060968	0.214289	0.096856	0.00796
4.248265	1.137299	0.054553	0.753974	0.380349	0.065504	0.138872	0.201519	0.361632
4.709477	0.781066	0.19285	1.596264	0.03667	0.018044	0.211404	0.681604	1.394631
8.572932	0.30998	1.561943	0.065711	0.027687	0	0.031923	0.020841	0.002372
4.20244	0.594425	1.214164	0.058709	0.086381	0	0.039839	0.045017	0.026637
5.652868	4.499817	0.232238	1.173052	0.298929	0.018386	0.430831	0.38946	0.009602
0.538612	24.9195	0.646703	4.329796	0.131968	0.040585	0.272618	0.071639	0.021195
3.269865	2.670093	0.152958	0.317105	0.179962	0.039357	0.161386	0.069471	0.071937
10.2921	0.328446	0.199052	0.898319	0.092521	0.015175	0.177795	0.077682	0.035663
0.897489	8.484106	0.392523	1.265655	0.11523	0.014175	0.049823	0.060051	0.022208
17.91179	1.453136	0.05548	0.633101	0.132621	0.008157	0.165655	0.12383	0.080939
2.929112	0.431004	0.058046	0.59596	0.242823	0.039828	0.062217	0.133575	0.031199
5.649299	12.07774	0.094954	0.731793	0.091666	0.022553	0.23487	0.066349	0.066741
0.956868	1.991611	0.592114	4.654087	0.03058	0.549226	0.458364	0.268264	0.267177
1.904787	11.24933	0.662024	0.248976	0.038464	0	0.044349	0.060136	0.009884
2.601268	6.192685	0.250552	1.053644	0.301735	0.164101	0.402832	0.204145	0.563163
0.131328	1.89229	0.708751	0.46863	0.896367	0.033928	2.968036	0.335378	0.088592
5.650162	2.625947	0.051823	2.626123	0.170337	0.114295	0.809399	0.231339	0.202941
1.200312	10.27325	0.173781	1.2379	0.016522	0.03252	0.19685	0.281272	0.012737
3.603006	5.284908	0.064932	0.653836	0.169767	0	0.130495	0.171047	0.01745
5.107057	0.981471	0.106071	1.041166	0.17749	0	0.136431	0.146454	0.022805
3.765088	1.364285	0.021714	0.825621	0.090837	0.014899	0.302569	0.078898	0.00389
3.446293	10.15566	0.152794	0.337521	0.033641	0	0.187477	0.070127	0.004322
14.42499	4.389178	0.121672	0.370644	0.254494	0.164772	0.030887	0.211738	0.013768
4.658359	3.597512	0.297901	2.285524	0.029672	0.102202	0.456151	0.262872	0.343112
3.888462	2.766147	0.028421	0.529088	0.118893	0.087754	0.123376	0.059895	0.036662
13.10373	4.116698	0.131194	0.696616	0.017151	0.075953	0.224114	0.119172	0.074923
5.421196	2.414325	0.297674	1.000833	0.456594	0.061274	0.271203	0.165844	0.031999
12.83974	0.403154	0.222208	1.499812	0.35542	0.087445	0.294215	0.211345	0.108897
0.053959	4.486402	0.291727	2.16245	0.335603	0.127607	0.275556	0.254395	0.08624
11.70945	2.280038	0.169212	0.135375	0.032176	0.055413	0.037098	0.108992	0.012402
5.734138	1.55633	0.33796	1.201104	0.265085	0.434795	0.475444	1.051448	1.657561
3.939864	8.36765	0.168391	2.88146	0.195674	0	0.466265	0.061184	0
37.16889	1.987636	0.008992	0.167397	0.056425	0	0.072286	0.055543	0.004833
18.59896	2.507	0.043458	0.22064	0.302993	0.037273	0.075693	0.073688	0.003893
2.769408	14.48207	0.039402	2.587279	0.082414	0	0.195327	0.047722	0.021178
0.025928	29.68025	2.551267	0.749428	0.171525	0.768989	0.065923	0.430391	0.063667
11.82149	3.894379	0.234162	1.100283	0.316918	0	0.055365	0.150145	0.029614
10.02399	1.045574	0	0.876377	0.310453	0.016974	0.26515	0.065914	0.008864

9.701003	3.838007	0.360653	0.918751	0.238218	0.019536	0.228888	0.213806	0.010203
0.457891	0.984731	0.459748	3.1356	0.240407	0	0.110876	0.167048	0.012356
3.896265	1.36263	0.113604	1.032131	0.137569	0.030769	0.129777	0.063003	0.170328
4.650188	2.906119	0.044167	0.451468	0	0.136372	0.106515	0.173317	0.807132
4.636184	20.93801	0.08565	0.154614	0.119432	0.039179	0.114755	0.038036	0.015345
0.670319	14.66464	1.491335	1.075523	5.334779	3.078547	0.74248	0.357143	1.22514
2.900121	64.69988	0.157431	0.084136	0.242634	0.04264	0.053287	0.024085	0.008907
1.086544	1.377423	0.071773	1.102918	0.090074	0	0.173093	0.135608	0.030862
0.435036	1.240874	0.080463	2.001754	0.063113	0.51759	0.161709	0.054818	0.043248
4.107185	3.594492	0.07916	0.625182	0.248361	0.040736	0.137877	0.143812	0.021274
19.15217	1.715006	0.2133	0.161054	0.068638	0.151985	0.03957	0.155004	0.044095
9.132795	8.392475	0.229885	0.153459	0.253775	0.052578	0.128334	0.030163	0.041187
10.92237	4.006702	0.245805	0.145064	0.118647	0.304882	0.126666	0.084732	0.030489
7.411231	5.727033	0.493984	0.697263	0.021984	0	0.38021	0.095472	0.045193
2.960538	5.567541	0.275493	1.736045	0.067792	0.016679	0.416876	0.203143	0.169851
2.34928	5.127441	0.36829	3.324177	2.696157	0.126351	0.74016	0.551995	0.255688
5.289036	0.745157	0.370446	0.496094	0.437953	0.099462	0.090634	0.193122	0.008657
0.104629	2.992677	0.29415	17.48872	0.05768	0.047304	0.406422	0.561112	0.335968
8.285204	0.452863	0.022024	0.670913	0.076777	0	0.135738	0.117368	0.063135
3.778525	0.246125	0.159597	0.064823	0.100146	0	0.038489	0.028995	0
2.388459	10.43283	0.108724	0.264963	0.272895	0.02238	0.052441	0.023703	0
0.140089	2.741575	0.140657	0.904567	0.110327	0.018096	0.367486	0.108603	0.028351
15.19896	2.719327	0.185975	0.411259	0.103732	0.076564	0.15947	0.058564	0.019992
10.37294	1.324455	0.07634	0.022609	0.119758	0	0.099725	0.07628	0
5.397876	0.376736	0.054965	0.088888	0.038323	0.597145	0.147287	0.079886	0.016413
0.621337	7.567951	0.49625	3.048619	0.674686	0.280913	0.518609	0.234404	0.066682
15.15662	2.434704	0.19051	1.080084	0.149429	0.130718	0.382871	0.193242	0.204794
11.45815	2.690636	0.101854	1.752472	0.142028	0.401848	0.614093	0.231302	0.022811
5.324786	0.991806	0.555027	0.413297	0.132676	0.040803	0.089236	0.048976	0.034094
1.597607	3.508539	0.132101	3.414947	0.069077	0.016995	0.066372	0.479986	0.825412
1.840317	12.82871	0.102559	0.316505	0.08833	0.65817	0.19399	0.039456	0.029183
8.471375	1.64553	2.160731	1.543965	1.004328	0.988386	2.894978	0.697862	0.645207
0.071919	3.650163	0.036105	0.79435	0.03776	0.092901	0.885255	0.150866	0.160102
5.08491	7.012077	0.253328	3.713419	0.305695	0.030084	0.39163	0.084965	0.031422
5.36637	6.542149	0.038565	0.319808	0.201663	0	0.077506	0.014013	0.010364
5.961322	0.754588	0.094366	0.415226	0.065793	0.016187	2.553944	0.245728	0.076081
9.471679	1.300795	0.51907	0.14275	0.108571	0	0.036511	0.094301	0.0279
25.09262	0.744426	0.27006	0.210637	0.024559	0.02417	0.047195	0.068261	0.044177
10.84646	0.524924	0.157813	0.169674	0.038834	0.009554	0.223878	0.070833	0.034927
11.2884	0.329206	0.122959	0.957224	0.096445	0.007909	0.049423	0.094938	0.037175
1.803847	19.82622	0.66458	1.251607	0.071285	0.210461	0.178083	0.074299	0.009159
6.321412	10.53735	0.47671	0.962746	0.166184	0.016355	0.089418	0.075058	0.017082
9.234276	1.405326	0.199494	6.887413	0.27818	0.18251	0.267285	0.225511	0
13.71648	2.45637	0.179191	1.522354	0.224882	0.092214	0.17286	0.104174	0.028894
0.012541	6.003462	2.192503	2.002567	0.138269	0.170093	0.531415	0.33627	0.124359
6.032483	0.626299	0	0.565551	0.436861	0.017914	0.209876	0.139129	0.009355
7.471615	0.500488	0.407379	0.775291	0.048232	0.023733	0.271876	0.050271	0.082627
15.01619	0.519964	0.037931	0.100142	0.095206	0.007808	0.067083	0.088206	0.004078
6.02245	2.135359	0.105609	0.157282	0.441793	0.043478	0.084898	0.046047	0.034058
2.907848	0.881146	0.586754	1.729392	2.564875	0.956739	0.980468	0.3689	0.815013
5.828695	3.5557	0.234285	1.013899	0.315026	0	0.255603	0.072966	0.026984
4.610926	2.216641	0.376548	0.104839	0.063516	0.006251	0.073234	0.039721	0.022851
12.65681	1.128612	0.348699	1.376967	0.04052	0	0.155731	0.084466	0.010412
6.213628	0.610045	0.071204	3.534775	0.099289	0.024428	0.391141	0.310461	0.191358
1.725555	2.424482	0.370574	1.208687	0.281858	0.277384	0.189573	0.061203	0
0.123598	33.22105	1.776875	14.46765	0.247772	0.14224	0.412652	0.121951	0.021223
10.58039	12.8325	0.131716	0.133748	0.354218	0	0.226896	0.041022	0
16.4877	2.095251	0.073904	1.282573	0.070264	0.034574	0.253846	0.153794	0.075835

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16.04602	4.425113	0.042568	0.163294	0.178076	0.03651	0.108364	0.020623	0.041947
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4.824538	19.75416	0.14313	1.431352	0.13608	0.060264	0.355641	0.229298	0.353183
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14.81766	3.352435	0.225746	0.764093	0.25183	0.01549	0.133082	0.071088	0.024267
0.012744	25.73358	0.694173	0.970156	0.078062	0.007682	0.480032	0.073227	0.036108
5.346819	0.777405	0.418791	0.48195	0.437981	0.229882	0.359106	0.180064	0.589002
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13.55088	0.603633	0.289371	0.824013	0.210526	0.025898	0.171938	0.185142	0.121723
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9.448394	1.423881	0.070721	0.939537	0.147923	0.018197	0.312685	0.167026	0.019006
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1.665766	0.458917	1.377371	0.284903	0.080027	0.039378	0.153785	0.027804	0.010282
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0.678837	7.591439	0.586925	0.769002	0.039601	0.038973	0.0761	0.048155	0.020353
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14.4818	0.717219	0.007217	0.092821	0.045284	0	0.058014	0.047199	0.023273
7.364978	0.982417	0.027302	0.900989	0	0.028099	0.197527	0.238079	1.210637
0.024712	16.54204	2.648664	1.452533	0.030274	0.074483	0.511946	0.157768	0.26061
13.90321	0.826405	0.029528	0.059966	0.267633	0.111432	0.142422	0.032186	0
0.845249	33.15261	0.423379	1.953923	0.028113	0.152167	0.189083	0.065929	0.003612
15.08975	1.285071	0.106189	0.103334	0.069409	0.013662	0.026676	0.057875	0.010702
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1.025387	0.309964	1.693168	0.649017	0.090808	0	0.139602	0.060469	0.18279
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6.837045	4.589235	0.485192	1.596268	0.243564	0	0.358837	0.260914	0.104315
2.768189	21.40055	1.165328	1.054681	0	0.07822	0.224016	0.294552	0.040849
1.674375	6.376651	0.194837	2.321347	0.163012	0.100265	0.187953	0.084952	0.010472
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10.63284	5.981044	0.254099	0.681257	0.321688	0.605634	0.564422	0.26483	0.575056
22.54725	0.69672	0.078193	0.146447	0.054517	0.005365	0.096383	0.04167	0.014009
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1.094217	0.924726
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1.208621	2.259337
2.624415	0.058196
1.9456	0.635922
1.336174	2.018152
4.439473	0.530917
1.809345	0.527163
3.118508	0.071443
10.83204	0.493339
1.053772	4.279388
0.409243	0.039235
1.398946	0.989336
2.065524	2.834659
4.140837	1.454471
3.302377	0.14951
4.108638	1.796235
5.6846	0.316752
6.978217	6.02437
5.806522	4.550537
4.359213	0.29116
3.359818	2.81603
2.203314	0.700205
2.106854	1.315086
3.780034	0.680006
3.912753	0.189136
2.760479	0.399924
3.949287	0.288894
2.233142	0.485289
2.617217	5.429005
2.239327	0.344084
0.211647	0.431188
1.149895	0.208238
1.738915	0.177639
0.836021	0.07899
1.600422	1.117401
1.828492	0.082292
1.284976	0.110227
6.49553	0.017913
3.221684	0.148608
15.79946	0.059381
1.726902	2.358509
8.034746	1.375674
2.450141	1.909011
7.304445	1.788801
0.225351	0.714167
0.818284	0.037046
4.329564	0.307156
6.803964	2.367395
18.24128	5.857172

1.664673	0.043585
2.736008	0.843044
1.680504	0.250225
2.495675	0
3.321717	1.91884
85.54163	0.116767
4.078395	0.324745
1.690325	1.079944
1.66941	0.129565
2.802101	0.27527
5.381891	5.951381
1.906491	0.332075
1.749627	0.520729
1.333669	1.076311
5.191329	1.100623
1.652834	0.076967
1.772392	1.440683
2.834277	2.984367
1.472033	1.415607
2.359831	1.296854
4.116912	1.593689
0.747746	0.113746
2.536044	0.108254
17.55512	3.542262
4.031801	1.280303
4.874999	1.098483
3.035085	0.089736
4.645677	0.701864
1.741745	0.096401
1.245732	0.009634
2.438805	0.748887
2.671741	10.8009
2.070911	0.104054
5.073013	0.061398
2.271198	0.095792
7.762419	2.772422
5.817168	0.019404
5.379115	0.36484
1.254535	0.523688
0.883471	0.159991
22.21766	0.418744
2.045779	0.168825
1.155513	7.219326
5.154993	0.307239
5.117721	0.767797
1.200811	0.342498
0.591933	0.091882
1.667626	0.175789
1.510897	0.436396
5.208085	1.13178
6.715377	0.190762
2.235872	0.222882
3.450481	0.30997
4.497164	0.063296
5.776582	1.456928
11.81742	1.945505
2.15815	0.284692
5.3935	1.195649

1.864141	0.134182
0.785491	0.108379
3.16071	2.843455
18.68762	0.056314
1.780842	0.239571
48.40137	0.14517
4.122676	0
0.621961	0.207938
1.896558	0.078611
1.322155	0.894611
4.498256	1.635573
5.370269	0.59263
7.840378	1.710027
17.32566	0.768194
4.626873	1.273309
3.755436	0.025623
3.601596	0.093453
11.7196	0.764943
5.994933	0.066752
1.685415	0.03423
3.442939	1.14131
3.478712	0.702156
2.871708	0.00724
9.517217	0.698933
1.871447	0.123239
1.38692	0.119302
4.574249	0.970434
1.185898	0.106855
1.66895	0.500776
1.846464	0.130038
0.481705	0
0.398609	0.277968
0.438772	0.027772
2.562857	0.084085
2.452517	0.585979
3.75843	0.027045
3.289224	1.826278
0.714431	0.243714
7.693089	0.064177
47.74744	0.09263
4.088768	0.865672
1.665885	0.452521
0.896185	0.280122
4.37131	0.18704
6.204775	1.931996
1.218015	0.14705
2.511405	1.699904
13.37607	1.6254
4.984114	2.297909
6.197592	6.392646
1.870731	0.236815
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2.99581	1.162546
4.8988	1.530048
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17.77391	0.282911
1.481041	0.139934
1.652407	0.430906

3.323926	1.117162
21.58028	19.52075
9.57474	0.115424
1.500048	0.004478
4.616558	0.693412
3.001612	0.369219
0.947536	0
3.276182	1.050004
1.115815	0.068497
0.770103	1.012924
1.299476	0.220364
5.272788	3.882743
4.412509	1.311691
2.198903	0.380251
2.062345	0.265245
9.81489	1.469968
0.89994	0.764367
3.307817	0.513449
2.608108	1.082022
6.023161	1.594885
1.561514	0.278559
0.8239	3.792466
2.118768	0.012289
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2.686507	0.762934
48.57256	2.291788
3.716619	0.257388
1.190555	0.841873
1.85347	0.907857
2.133197	0.640167
3.521399	1.419112
4.874245	1.390158
4.497154	6.976736
0.70708	0.051219
6.701471	0.874068
4.14055	0.275446
4.415388	2.343806
17.0017	0.865366
3.204008	0.723397
2.175168	0.709036
3.803517	0.389755
1.855249	0.141855
0.640187	0.130797
3.018129	3.529613
2.103016	0.126654
1.450272	0.814548
3.611726	0.47903
2.295136	1.067906
10.38189	1.347437
3.055954	0.114253
0.812164	1.843371
5.707278	2.848778
2.36644	0.233753
0.594117	0.134488
0.656502	2.389956
2.833901	0.862854
2.083173	0.997472
1.972781	0.459331

4.962985	0.634422
11.3528	5.719577
1.691034	0.976992
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3.293239	0.061847
1.527673	0.306808
0.743381	0.076927
3.2135	1.252734
2.810223	1.755516
2.389869	0.820667
0.462645	0.213263
4.124908	0.260855
1.249393	0.093623
1.08664	0.224431
4.396333	1.128397
4.090896	1.866332
1.7753	0.284112
6.149867	18.57874
2.810217	0.143131
2.986444	0.10372
16.35025	0.32301
19.99561	0.701906
11.25055	0.14964
0.505524	0.017719
2.379565	0.0567
7.250739	19.81109
6.267048	0.515873
4.714052	1.686354
0.995907	0.11042
1.636667	9.443588
1.360859	0.151226
5.948966	2.006041
18.04737	0.427388
4.970151	6.775337
1.713509	0.089511
1.437916	0.116814
0.388078	0.036143
1.053432	0.239825
5.155773	0.025856
2.311363	0.927519
10.55616	1.455492
1.670026	1.947359
2.727317	17.40994
2.051665	1.364173
6.363839	0.26595
4.134328	0.904903
4.045653	0.627978
1.361227	0.028172
2.273984	0.058829
3.77421	0.685525
2.488	0.093219
2.272939	0.073301
2.631848	2.428015
3.143406	2.412885
5.555521	0.813195
8.721479	24.69
2.138344	0.209634
2.65793	0.505244

4.680716	0.695192
3.509937	0.006587
2.319486	0.363559
3.452107	0.736896
3.988455	1.124776
4.790919	1.693893
4.526447	1.872291
14.49671	0.48509
2.475026	0.090722
3.136446	0.671432
1.920017	0.374973
4.128666	0.52777
4.088359	2.001974
3.6415	4.141072
11.65173	1.988262
3.899126	2.347802
1.225513	0.706679
2.298149	1.093886
1.227622	0.057995
2.432202	0.837139
5.435517	4.865468
3.342339	3.487213
12.12852	0.088803
1.648452	0.028521
5.923997	2.814649
0.75439	0.005897
2.653077	0.527328
3.749823	0.418195
0.561129	0.0201
1.119736	1.432111
17.01068	0.806243
1.093297	0.018276
17.54798	2.264823
1.451732	0.067779
7.456141	2.361404
1.673494	2.018096
7.178589	0.628788
4.964609	0.859871
1.16967	0.601361
2.089439	1.35137
3.073719	0.799666
1.631485	2.387728
2.418953	0.263685
4.022323	0.105538
0.873006	0.043557
2.539508	0.518956
2.513931	1.623277
1.547194	0.631371
3.42291	0.172677
1.224846	0.190124
3.323253	0.234475
3.033337	0.039237
3.498096	1.479737
4.21854	1.816065
2.419558	2.499924
2.071062	0.829071
2.605631	1.408942
5.085048	0.259806

2.802873	3.326221
0.631555	1.083919
4.484828	0.346835
1.787921	0.137779