

Module04: Sampling Distributions

2023-06-07

Create a function to compute the statistic. Here we are using the example $T = \frac{X_1 + X_2}{2}$. You can change this part of the program to any other function as you need.

```
fun <- function(x) {  
  mean(x)  
}
```

Generating a large number of samples, each of the sample size as specified. The default simulation size (M) used here is 1000, and the default sample size (n) used here is 2.

The population is assumed to a Normal distribution with $\mu = 20$ and $\sigma = 6$. We will consider a sample size of $n = 2$. That is,

```
sampsize <- 2
```

```
simsizes <- 10000  
sampsizes <- 4  
set.seed(2)  
Samples <- as.data.frame(matrix(rnorm(simsizes*sampsizes, mean=10,sd=2),ncol=sampsizes))  
rownames(Samples) <- paste("sample", 1:simsizes, sep="")  
colnames(Samples) <- paste("obs", 1:sampsizes, sep="")  
#Samples
```

Compute the statistic for each of the generated simsize samples. We are using a useful R function called `apply`, which can implement the same function for each row. This is a handy tool when we have to do the same operation on each row for a very large matrix of data.

```
results <- apply(Samples,FUN=fun,1)  
Samples
```

```
##           obs1      obs2      obs3      obs4  
## sample1      8.206171 12.680935 11.361322 13.593792  
## sample2     10.369698  7.768576  9.901487  7.757519  
## sample3     13.175691 13.013077 10.435338  5.848047  
## sample4      7.739249  6.780068 13.398548  7.544363  
## sample5      9.839496 11.965986 10.491754 13.859439  
## sample6     10.264841  8.944097 10.948149  9.452818  
## sample7     11.415909  8.786996  9.906710  8.501274  
## sample8      9.520604  7.526258 10.154599  8.320104  
## sample9     13.968948 11.445593 10.360214 14.077048  
## sample10      9.722426  8.782361 13.115886 11.981500  
## sample11     10.835302 13.827428  8.789254 12.394631  
## sample12     11.963506  8.363559 15.626885 13.694091  
## sample13      9.214609 11.437307 10.405898  8.221810
```

## sample14	7.920662	9.387709	9.911941	8.889357
## sample15	13.564458	8.528656	8.656647	8.350453
## sample16	5.377862	12.521905	9.326361	9.626713
## sample17	11.757209	10.903882	12.659176	7.973287
## sample18	10.071613	7.539273	11.065492	8.147835
## sample19	12.025657	11.922825	9.210898	11.026455
## sample20	10.864530	9.031150	8.609237	13.518682
## sample21	14.181638	9.965304	11.648909	12.710429
## sample22	7.600148	8.600230	11.516036	11.736015
## sample23	13.179276	14.018912	9.263967	7.020427
## sample24	13.909303	8.608029	11.425218	9.142657
## sample25	10.009876	6.072226	9.015667	14.301823
## sample26	5.096587	9.969588	12.706495	10.045992
## sample27	10.954475	12.095144	7.919523	10.424814
## sample28	8.806884	8.071885	7.061290	10.264595
## sample29	11.584407	4.784127	11.292463	12.153269
## sample30	10.579273	9.311455	12.898891	8.152884
## sample31	11.477877	9.292967	9.285325	12.163863
## sample32	10.637921	9.974897	11.973773	10.656022
## sample33	12.152329	10.271555	9.214648	7.885823
## sample34	9.431685	8.641131	13.709118	10.114157
## sample35	8.446649	8.754400	11.872397	10.827483
## sample36	8.808679	10.840511	7.257965	10.869671
## sample37	6.548040	8.784272	11.418678	13.433031
## sample38	8.194831	10.380362	10.337658	10.432975
## sample39	8.881876	12.144146	11.383129	10.509193
## sample40	9.506975	8.698625	8.286521	10.936823
## sample41	9.232828	6.096802	9.143940	9.359276
## sample42	6.081794	8.894025	12.570011	10.213047
## sample43	8.316590	13.049332	12.564282	7.245948
## sample44	13.807095	10.349630	9.324950	7.413582
## sample45	11.244988	14.694868	6.869657	9.795707
## sample46	13.981841	8.339522	10.428053	11.330116
## sample47	9.389033	9.585911	11.390009	9.332152
## sample48	9.818312	12.593163	4.922264	9.117977
## sample49	9.631677	8.990195	9.426834	7.371670
## sample50	7.602464	9.770972	7.114105	11.026222
## sample51	8.323426	8.321784	9.779656	10.216063
## sample52	14.132603	10.685024	10.893688	8.397069
## sample53	8.875506	12.590026	8.922586	10.423194
## sample54	12.551431	8.926840	10.236892	9.455632
## sample55	7.904855	13.425983	11.156406	9.416458
## sample56	6.068244	8.915597	7.180708	10.741500
## sample57	9.354058	11.618924	10.029953	7.901985
## sample58	11.871725	9.081681	12.964555	6.758876
## sample59	12.278460	8.723434	10.382206	9.996456
## sample60	13.343238	10.437054	9.858875	6.807781
## sample61	6.423516	5.422895	10.514347	8.603508
## sample62	14.062485	9.566751	9.223208	12.717940
## sample63	8.593711	12.197974	13.193394	9.441609
## sample64	10.316330	8.524846	9.296384	10.559890
## sample65	11.012470	10.222034	9.240726	11.483929
## sample66	8.360010	9.539071	11.159304	10.302407
## sample67	6.002306	8.869756	11.590961	11.406651

## sample68	9.041415	8.654111	8.216319	9.801612
## sample69	10.168360	10.617178	8.684831	11.321437
## sample70	8.209027	10.524511	11.827607	11.814128
## sample71	8.157449	12.670691	8.640750	8.563921
## sample72	10.660899	10.849583	9.967669	7.051243
## sample73	9.716678	8.504600	7.022027	9.766620
## sample74	10.869696	14.247877	6.212315	10.905161
## sample75	9.892555	12.151807	11.837489	10.504506
## sample76	8.185779	11.864126	10.899805	8.413107
## sample77	12.607024	9.565880	10.569988	8.291749
## sample78	11.543580	10.561857	8.185007	11.810443
## sample79	12.105051	8.820523	12.097173	8.205821
## sample80	7.179923	7.908880	9.661089	10.266460
## sample81	11.991969	11.991206	7.352608	8.573899
## sample82	6.608470	12.614094	10.441021	10.735380
## sample83	8.933256	10.985161	16.612083	10.829745
## sample84	7.255461	9.851131	8.669484	7.578328
## sample85	5.584160	9.449273	12.246718	11.487787
## sample86	13.644245	10.051996	7.231575	4.771713
## sample87	8.693213	13.822095	7.324492	11.453146
## sample88	9.430638	13.842605	10.021300	9.043301
## sample89	9.226101	8.987966	11.993617	12.297401
## sample90	10.773390	11.625990	8.293410	9.324637
## sample91	13.200782	11.104168	10.244335	8.283370
## sample92	13.362310	8.654795	12.662763	10.827927
## sample93	7.632787	11.140089	9.800302	8.316557
## sample94	7.283085	11.077047	8.806583	11.863116
## sample95	6.974658	13.791645	7.765918	11.634961
## sample96	7.493790	11.784297	9.291032	9.958560
## sample97	13.918714	10.371922	8.243926	13.701697
## sample98	10.015292	10.338209	10.023741	9.948995
## sample99	8.314770	11.066372	10.572840	10.623352
## sample100	8.797680	7.531665	7.752056	14.118175
## sample101	12.148919	12.114030	10.967460	6.719492
## sample102	10.521196	10.577421	7.212131	8.202981
## sample103	9.371456	7.813234	9.923242	9.417392
## sample104	8.500740	7.494824	6.416724	9.208500
## sample105	8.275603	9.549998	13.821582	7.440723
## sample106	14.096081	12.168898	7.886026	12.092617
## sample107	11.879840	13.673663	8.455326	11.306536
## sample108	14.017374	13.851986	11.008966	11.838084
## sample109	9.157253	10.392192	11.907337	13.997537
## sample110	9.298331	11.634055	8.841308	8.089493
## sample111	7.945239	11.172933	11.647714	8.986546
## sample112	9.498962	13.694863	9.953097	10.031988
## sample113	10.943719	10.901946	11.260466	10.327738
## sample114	12.717880	11.051775	10.153224	9.665897
## sample115	11.128337	7.493091	11.494655	7.800145
## sample116	10.911960	9.752625	7.211930	10.922548
## sample117	12.461907	13.096503	8.902893	13.344907
## sample118	12.294274	7.621167	11.090343	10.880499
## sample119	10.213196	11.442830	11.151816	10.977778
## sample120	8.433367	12.269803	12.221506	8.160521
## sample121	12.482400	9.735186	9.548793	10.973415

## sample122	10.277717	7.972380	9.436528	9.156976
## sample123	13.421263	10.987008	10.634034	12.763389
## sample124	9.138718	8.232022	6.655736	8.528407
## sample125	7.911541	12.174706	8.816698	11.016352
## sample126	11.075159	12.939691	10.168534	10.980494
## sample127	8.660828	10.293102	13.347058	9.850157
## sample128	11.277611	14.173720	9.923772	9.718383
## sample129	6.552020	11.534609	9.931388	13.088247
## sample130	6.515140	10.496032	8.762766	7.391101
## sample131	11.379608	11.439569	10.106948	9.665169
## sample132	10.661926	10.570248	9.175303	8.429338
## sample133	11.742135	10.232788	9.700984	11.753991
## sample134	5.967509	8.307487	9.698554	12.137864
## sample135	12.425158	10.491837	6.987352	11.568949
## sample136	12.400989	12.365090	9.743513	12.728540
## sample137	12.064137	12.639240	11.415262	8.735764
## sample138	11.572821	11.661957	11.019909	9.003481
## sample139	14.220147	11.702569	9.881063	11.790351
## sample140	7.092380	10.807748	9.318420	11.364582
## sample141	8.833792	6.632826	8.889646	7.916583
## sample142	10.819448	11.563053	9.532859	10.392243
## sample143	8.386037	9.426558	14.330248	12.076208
## sample144	10.171101	6.477424	12.322115	9.570511
## sample145	11.492486	10.506010	7.057852	10.471692
## sample146	8.692654	7.161751	12.710177	6.884406
## sample147	11.314212	9.552993	8.842051	8.159394
## sample148	11.099818	9.393218	9.454279	9.215275
## sample149	8.386541	16.389470	9.502200	7.371343
## sample150	8.005241	10.237818	8.953401	10.108062
## sample151	11.951781	13.646234	8.941022	8.498831
## sample152	9.661154	6.124707	9.576655	11.124034
## sample153	11.444384	12.142091	10.328014	8.628279
## sample154	8.311163	9.207701	8.656341	9.869673
## sample155	12.554587	10.342163	9.808233	9.968404
## sample156	7.313779	10.818326	9.493025	10.336915
## sample157	11.530681	5.678559	8.912151	8.527947
## sample158	10.928405	11.311184	13.838324	7.386606
## sample159	10.535987	10.560122	12.017543	11.737003
## sample160	11.335045	7.484839	13.868133	11.049587
## sample161	10.796935	2.901450	10.611789	9.306744
## sample162	8.723858	8.915725	10.480748	13.484951
## sample163	9.464574	9.520244	10.302812	9.076260
## sample164	10.719759	10.243815	7.384487	10.414158
## sample165	7.374268	10.959531	11.689392	10.334201
## sample166	8.232061	8.328805	13.212305	13.370368
## sample167	14.154190	8.969221	7.664919	10.747059
## sample168	5.801549	10.442244	10.589144	6.778989
## sample169	7.522988	9.919250	10.528816	11.881364
## sample170	11.980866	11.119537	7.866073	9.464287
## sample171	12.177324	12.669683	6.046896	7.133029
## sample172	11.679705	11.647936	10.520755	9.222663
## sample173	10.113717	10.994053	10.157533	7.761774
## sample174	10.647756	7.285285	9.012038	9.823566
## sample175	8.190663	13.294420	7.016836	8.141688

## sample176	8.695632	11.428483	11.141612	10.489365
## sample177	9.475091	9.160523	7.660672	11.070940
## sample178	8.130674	13.731483	7.382938	9.151746
## sample179	11.642322	8.874369	11.210206	4.497777
## sample180	6.751482	8.923129	9.339235	10.515248
## sample181	7.939193	7.864615	11.701319	10.272259
## sample182	7.476141	5.574187	9.689495	10.840240
## sample183	10.784369	9.676111	13.477224	12.904912
## sample184	7.737123	12.808712	7.172564	13.159588
## sample185	11.088289	11.355085	8.869450	10.922658
## sample186	12.353218	10.420602	11.868839	11.736338
## sample187	10.050457	7.812177	11.318950	8.277273
## sample188	11.030266	9.623177	10.831034	7.309004
## sample189	8.691780	9.387258	11.145238	12.580345
## sample190	11.007284	9.097071	9.654992	11.144609
## sample191	7.455762	9.325146	10.478872	10.329857
## sample192	9.846458	9.297951	10.480011	7.947785
## sample193	7.309361	10.970518	9.020981	12.390174
## sample194	9.467365	11.105106	9.061887	9.028912
## sample195	12.175126	10.460035	9.953058	11.100816
## sample196	11.401136	8.275927	6.382671	7.707087
## sample197	9.114481	8.244147	9.985697	9.272777
## sample198	8.422960	11.300055	13.097207	8.739621
## sample199	8.286449	10.155237	13.338221	7.937725
## sample200	8.507162	9.328001	9.989662	7.787507
## sample201	10.595967	12.340912	10.852324	13.211159
## sample202	7.960896	10.656340	8.279039	10.140220
## sample203	15.741795	9.539178	6.215181	7.511988
## sample204	10.437420	15.325744	7.580373	10.284212
## sample205	8.066891	11.380820	9.501796	9.210879
## sample206	10.767676	9.065627	9.871540	8.580675
## sample207	9.756208	9.149472	9.148547	11.209306
## sample208	9.298905	10.676896	8.866793	10.793417
## sample209	11.198927	7.876942	13.190964	11.809232
## sample210	10.462548	8.157372	13.193170	9.685650
## sample211	12.052492	6.606083	11.280921	8.199489
## sample212	8.951102	10.271329	6.854616	9.893995
## sample213	13.592412	7.457496	9.522992	10.458767
## sample214	7.131607	8.993695	13.311793	6.822107
## sample215	10.277372	9.183627	12.651167	10.494291
## sample216	10.902927	10.612261	11.552067	13.432596
## sample217	12.429548	9.135590	11.346294	8.109570
## sample218	7.351038	9.007366	8.739112	13.464604
## sample219	7.720744	10.892598	8.862615	11.776326
## sample220	13.351297	8.876108	7.118378	10.622398
## sample221	10.796292	8.019378	9.607425	9.700063
## sample222	11.431038	6.212833	11.493024	10.893978
## sample223	8.413610	10.892421	12.188170	9.393953
## sample224	13.847703	10.075547	11.794754	13.258680
## sample225	10.140880	12.081450	11.816243	13.137562
## sample226	10.938560	10.039592	14.494696	8.048315
## sample227	9.820296	9.109261	10.507646	10.810075
## sample228	11.788303	8.691365	13.631358	11.294766
## sample229	9.252580	13.851251	8.587333	10.461857

## sample230	14.516504	9.938620	9.618925	8.401675
## sample231	13.146204	8.489628	6.847413	10.094425
## sample232	6.091357	11.984456	10.149718	15.269535
## sample233	8.761355	8.845260	11.999331	11.308373
## sample234	9.940105	11.095841	9.004626	6.218554
## sample235	6.556683	13.415158	10.229307	9.776394
## sample236	7.893086	11.104204	9.986676	9.159470
## sample237	8.858675	9.792147	5.090871	8.198603
## sample238	10.965429	12.191385	11.418362	10.393063
## sample239	10.191848	10.369029	12.554501	8.343395
## sample240	8.824320	7.852568	11.852406	9.339570
## sample241	9.836440	11.222997	8.923163	7.888012
## sample242	15.776837	11.525995	11.033780	11.020255
## sample243	12.345651	13.455058	12.940175	9.001915
## sample244	11.099286	11.340000	10.517621	10.622236
## sample245	11.558209	10.835867	10.856104	10.021949
## sample246	8.869737	8.949977	10.744310	9.925776
## sample247	10.205909	10.845580	11.472071	8.227186
## sample248	10.563043	9.977021	6.410791	11.343868
## sample249	9.051138	11.814145	11.096911	12.623842
## sample250	9.083992	10.171227	13.360239	9.792191
## sample251	11.003086	10.879446	9.652102	10.032623
## sample252	9.189741	11.881427	14.254401	8.666838
## sample253	9.645229	12.761213	10.524308	7.779700
## sample254	9.360911	10.776556	8.215885	11.635333
## sample255	11.686901	8.835174	12.314731	11.891083
## sample256	10.967313	7.716481	9.344325	8.992855
## sample257	9.392660	10.026336	15.169904	7.193031
## sample258	9.429808	9.894950	10.722988	10.888914
## sample259	11.960873	9.667232	14.149427	10.196300
## sample260	9.657361	8.714597	15.405884	11.374035
## sample261	12.686026	8.882391	10.102863	10.316081
## sample262	9.803283	8.941586	7.697472	8.664507
## sample263	9.356009	10.077201	8.990819	10.634178
## sample264	6.170531	8.406467	11.109391	5.895293
## sample265	8.705917	11.877686	10.869628	6.254939
## sample266	7.201126	8.116162	10.040073	8.381022
## sample267	13.862349	7.501229	9.057765	12.372739
## sample268	10.923145	11.317859	9.426293	13.472510
## sample269	11.054877	10.173142	7.558577	10.290730
## sample270	9.926617	7.379857	8.073570	11.030723
## sample271	4.559664	14.006637	9.039777	11.210564
## sample272	9.905749	10.700687	11.358105	11.875213
## sample273	10.009473	10.765244	8.806623	4.894946
## sample274	7.549393	9.953274	10.685077	8.255916
## sample275	10.501850	9.854388	10.446685	12.145647
## sample276	13.210400	10.277059	13.718234	9.094863
## sample277	9.928960	11.239399	9.546535	13.893167
## sample278	12.058836	12.015611	9.024333	9.857245
## sample279	9.199914	5.329222	11.088923	10.852649
## sample280	10.134486	7.432191	7.311814	11.281340
## sample281	14.071616	14.205593	11.576765	11.225642
## sample282	11.299038	11.418353	11.175173	10.257017
## sample283	12.558703	10.061044	11.818084	11.145145

## sample284	8.743601	11.525138	8.586318	8.959714
## sample285	12.700664	9.717606	11.900219	10.394668
## sample286	13.345180	8.933324	11.468551	10.402277
## sample287	12.345459	8.694229	11.373914	9.338792
## sample288	10.012358	9.314821	9.038608	6.675372
## sample289	12.611024	10.494794	7.241273	8.154553
## sample290	9.814026	4.368380	12.221434	10.788708
## sample291	7.742500	12.671715	10.874795	12.666658
## sample292	11.174693	7.378007	13.076696	7.693502
## sample293	10.178328	9.705865	9.607872	6.996313
## sample294	9.534071	9.781107	11.107827	9.715602
## sample295	12.975552	12.825837	10.373598	11.394150
## sample296	9.291813	7.743035	12.311083	12.794347
## sample297	10.837297	7.534341	10.136410	9.714701
## sample298	5.805129	9.956093	12.975599	7.515252
## sample299	7.259040	10.127717	10.511924	10.046313
## sample300	8.631074	10.269723	12.171522	7.675917
## sample301	9.363760	11.785200	7.979407	7.250328
## sample302	9.369019	11.928838	8.494227	7.531299
## sample303	11.768645	6.826798	11.615372	12.403356
## sample304	6.229157	9.790315	11.468190	10.745979
## sample305	11.464359	8.982262	10.165869	8.642850
## sample306	11.581089	13.508120	9.664622	10.736548
## sample307	10.389706	8.727165	13.127517	8.151087
## sample308	11.842356	6.783835	11.472378	10.205778
## sample309	12.482912	9.543745	12.558684	9.309502
## sample310	8.637658	12.858705	12.588780	10.648108
## sample311	11.030661	15.196731	12.449190	13.065632
## sample312	9.063578	8.800676	8.856582	12.833644
## sample313	8.995885	9.266769	11.581446	12.719872
## sample314	6.052016	8.167042	11.174873	7.094189
## sample315	8.861108	9.562655	12.327826	11.552448
## sample316	10.950661	8.399352	7.932521	8.532307
## sample317	12.434435	11.822212	7.071742	6.706449
## sample318	10.235379	8.254957	11.643179	10.399990
## sample319	10.176733	7.471876	8.604644	12.139165
## sample320	9.598766	10.513346	13.670097	11.595392
## sample321	9.002833	8.691163	6.962102	8.172503
## sample322	12.179335	9.587709	11.493523	10.139875
## sample323	11.843262	8.949323	7.738927	10.367049
## sample324	10.729107	11.637702	8.453964	10.484173
## sample325	10.590296	11.639368	12.021586	9.610162
## sample326	11.059897	8.304304	9.163640	4.867246
## sample327	11.937580	11.645492	9.538657	10.553408
## sample328	13.817211	8.735834	10.143775	10.624708
## sample329	13.005587	6.701167	11.626800	5.227802
## sample330	9.376344	10.412633	9.828446	11.210609
## sample331	11.896037	8.769441	8.842010	12.976714
## sample332	9.824654	12.899801	11.899037	11.611471
## sample333	9.612547	9.386364	9.898968	9.722687
## sample334	11.458481	10.013181	8.501295	12.290005
## sample335	12.056810	10.892616	10.795219	6.618128
## sample336	9.385619	7.397245	11.520939	7.750077
## sample337	11.531483	7.959264	12.875267	11.936109

## sample338	9.957099	8.204841	8.319471	8.927989
## sample339	12.985056	9.795069	9.828205	9.168248
## sample340	10.895356	13.492032	7.829575	8.767102
## sample341	10.349954	8.207823	10.434132	10.188646
## sample342	10.774482	11.102383	8.643254	7.359701
## sample343	7.422211	11.228656	6.565939	11.488216
## sample344	10.463014	12.916766	8.033878	10.660022
## sample345	11.440294	11.424806	7.152561	8.890531
## sample346	9.497136	9.172156	10.628003	9.781849
## sample347	9.362008	11.207022	8.991609	10.179918
## sample348	11.966887	9.412956	11.858253	9.184518
## sample349	11.656482	13.718226	9.600120	12.090356
## sample350	10.765588	9.186952	11.365088	9.334715
## sample351	12.911320	8.977993	9.735730	10.302077
## sample352	11.332921	9.225719	13.955706	10.591140
## sample353	9.259985	12.517147	10.697006	8.818029
## sample354	13.096502	10.544480	9.665326	11.384099
## sample355	14.658528	10.757095	5.127313	7.420093
## sample356	12.798849	8.764533	12.010646	12.225789
## sample357	8.117508	9.820312	12.366733	7.415286
## sample358	11.666602	11.824518	12.430845	10.141551
## sample359	11.469773	9.862469	11.981317	9.021747
## sample360	10.246436	13.401020	10.580771	11.308898
## sample361	13.110727	9.105256	13.544511	8.010297
## sample362	12.846516	9.605490	8.194455	8.078736
## sample363	9.282486	8.268933	7.742455	12.864719
## sample364	9.004514	7.815907	9.022464	8.222169
## sample365	6.230024	10.479116	7.325767	12.541220
## sample366	7.720747	9.615369	8.916426	9.093493
## sample367	9.086542	7.941342	11.432362	7.168181
## sample368	12.346667	5.587420	12.338327	8.418531
## sample369	9.359625	7.672929	10.725878	11.491273
## sample370	10.083347	11.546851	10.803921	9.658535
## sample371	9.646034	8.754580	10.978657	10.508557
## sample372	14.569475	9.702502	9.066941	6.870251
## sample373	8.392779	6.571146	12.663678	12.011065
## sample374	12.461268	12.632249	13.749865	9.959060
## sample375	9.931111	13.383201	10.677192	10.432385
## sample376	8.675118	8.874222	7.422192	6.085963
## sample377	9.500800	11.265601	14.201572	8.409452
## sample378	15.066228	8.928530	12.219448	13.454636
## sample379	10.316239	11.918672	11.391858	4.652961
## sample380	11.504078	9.080938	12.662106	8.792032
## sample381	9.144552	10.982412	10.442497	8.814269
## sample382	8.522503	12.936179	9.955886	11.966371
## sample383	10.287295	8.336921	13.775747	10.034150
## sample384	8.569956	9.550077	8.929683	9.014559
## sample385	12.632971	4.636227	10.348451	7.675548
## sample386	6.851465	9.604684	14.022675	7.247602
## sample387	10.092322	9.647517	11.489342	4.402652
## sample388	9.942912	4.658114	8.352292	9.160545
## sample389	12.826258	9.549400	8.252408	13.448300
## sample390	11.658386	11.323198	12.379055	9.601390
## sample391	10.366704	12.290572	8.929610	10.827082

## sample392	12.679114	12.176400	14.298594	7.686109
## sample393	12.404658	9.768951	7.405098	12.386740
## sample394	11.743671	8.298605	9.763699	10.355810
## sample395	9.767146	13.234730	9.072144	11.653493
## sample396	10.685657	7.321086	7.143357	9.150504
## sample397	8.029057	11.822774	10.750958	12.200500
## sample398	12.255423	9.232962	10.775265	7.740547
## sample399	10.459660	9.134827	10.075945	12.924144
## sample400	11.837141	8.056817	11.077459	7.614819
## sample401	9.571849	9.594755	5.970666	9.179393
## sample402	4.556368	6.451770	12.121323	6.859944
## sample403	7.971476	8.868764	12.841671	10.989055
## sample404	8.341710	8.441306	7.556428	10.535435
## sample405	11.715418	10.923742	9.500685	7.586044
## sample406	9.522980	9.094218	10.419724	8.810116
## sample407	8.593508	7.716762	5.298379	15.275289
## sample408	5.095607	11.516020	8.795400	11.077181
## sample409	12.296000	11.242425	11.049966	13.936085
## sample410	10.004134	9.900745	12.598782	7.804916
## sample411	10.121867	9.950604	10.208323	11.471458
## sample412	7.789923	10.649286	7.643886	12.229940
## sample413	10.401368	7.720609	7.429885	11.788411
## sample414	7.538845	13.114668	8.412538	6.256440
## sample415	9.746945	8.683952	12.451634	9.371055
## sample416	7.374348	10.157452	9.985125	9.837420
## sample417	12.215330	9.864579	9.378417	8.779917
## sample418	7.984525	6.545013	13.109998	9.134208
## sample419	13.151600	4.562449	11.087675	11.206596
## sample420	10.581986	10.894320	11.707382	11.057848
## sample421	11.479060	5.960213	8.850358	8.952693
## sample422	7.488851	7.979251	13.458724	7.390792
## sample423	12.823902	15.186284	7.403154	8.268907
## sample424	11.466974	7.869973	11.879393	9.352940
## sample425	12.563443	12.310553	10.076149	9.656733
## sample426	11.797601	10.035680	7.691296	9.576582
## sample427	11.062225	11.725160	14.460906	10.441686
## sample428	11.569166	11.199681	10.310428	7.782819
## sample429	7.629573	9.178890	9.159241	11.535578
## sample430	10.691993	12.041358	9.764231	7.083462
## sample431	7.654248	7.991090	10.636738	8.244901
## sample432	9.325901	6.978717	11.155981	9.346395
## sample433	7.951619	12.190545	8.826183	5.966126
## sample434	12.649601	13.119262	10.900381	12.659277
## sample435	10.074943	7.583066	8.539452	8.449769
## sample436	9.845315	13.019444	12.031680	12.307484
## sample437	9.118956	13.366405	10.379494	9.502047
## sample438	10.428506	10.475058	10.624876	11.772405
## sample439	9.976378	10.477636	9.187143	10.496370
## sample440	9.093817	11.925440	7.529834	7.595742
## sample441	5.796295	10.494778	7.950932	7.032753
## sample442	9.434761	9.713109	11.514162	12.827691
## sample443	6.858051	9.777168	10.110535	10.454341
## sample444	10.592717	10.296937	8.534113	10.593535
## sample445	10.494723	12.940518	12.806895	10.597335

## sample446	9.726043	8.642367	12.887042	8.130998
## sample447	8.571318	9.133185	9.395344	7.960059
## sample448	12.130828	9.797194	10.209183	9.657828
## sample449	5.959361	6.712083	9.778557	8.647879
## sample450	11.012040	10.607169	11.198388	7.217452
## sample451	8.775591	11.937000	10.520706	12.731068
## sample452	10.052527	12.180311	12.979295	13.883563
## sample453	9.493794	13.798794	9.271942	9.295912
## sample454	8.042440	8.145423	10.472844	10.866958
## sample455	13.163358	14.625576	7.263722	10.266018
## sample456	9.461916	10.924939	10.401393	6.772471
## sample457	8.988964	9.986081	7.243983	9.811090
## sample458	14.154524	9.405764	11.434856	7.797116
## sample459	11.339851	12.323786	6.509346	8.959689
## sample460	10.408169	7.008230	12.197370	12.504992
## sample461	9.925694	8.918126	8.352529	9.049253
## sample462	10.232014	8.941749	9.387108	10.324120
## sample463	9.487976	7.287890	8.974781	10.744125
## sample464	8.650808	7.053616	9.976035	9.122210
## sample465	11.884054	11.642414	12.088740	8.659601
## sample466	10.986073	7.786291	10.700234	9.624462
## sample467	10.887634	9.065738	12.673167	10.720352
## sample468	9.860093	14.495720	10.301274	12.040691
## sample469	12.603828	14.483288	10.486979	6.777985
## sample470	7.281347	10.594413	7.876582	11.203255
## sample471	13.108743	12.327706	12.332863	10.262630
## sample472	12.897005	10.607740	11.431146	9.655212
## sample473	11.856542	10.153062	6.443525	12.418185
## sample474	7.385492	7.801248	10.271130	4.401643
## sample475	10.553201	5.310759	10.447513	13.449808
## sample476	8.401650	9.230676	6.952481	8.813386
## sample477	9.246166	11.534241	10.488659	11.776133
## sample478	8.788770	7.419571	8.003415	12.655826
## sample479	5.145659	8.457084	11.105483	10.107969
## sample480	8.973933	10.037738	8.760221	12.541487
## sample481	7.856225	10.138693	8.412722	9.152140
## sample482	10.274732	12.784142	13.337712	8.773589
## sample483	8.210005	10.909346	10.054242	12.011762
## sample484	9.842868	11.973344	7.082465	7.736412
## sample485	13.191673	10.165956	6.721333	12.898386
## sample486	7.591947	7.142306	10.196983	7.042981
## sample487	6.675458	9.247713	11.723819	8.587255
## sample488	10.138694	9.640067	8.435029	10.739208
## sample489	8.103624	10.299171	8.992738	13.497828
## sample490	8.097617	12.007996	10.540768	9.692699
## sample491	11.736120	7.810042	12.764567	8.460537
## sample492	10.317093	12.350190	6.817313	12.228685
## sample493	12.592155	10.775708	9.914755	9.949876
## sample494	7.831166	9.879044	11.752035	11.709722
## sample495	10.785550	14.174402	6.849174	12.237216
## sample496	9.947930	10.314608	8.139562	12.951820
## sample497	7.487918	8.711328	6.073940	9.035570
## sample498	8.128627	9.837029	11.125514	10.908964
## sample499	9.606628	10.105577	10.348393	9.023370

## sample500	10.284537	11.757968	10.935178	12.410716
## sample501	9.080421	12.819360	13.390496	12.306471
## sample502	11.235852	9.398739	10.169050	9.204121
## sample503	8.559155	9.878679	10.451365	7.256628
## sample504	8.832976	9.217783	7.155822	11.363977
## sample505	10.432649	4.306558	4.932105	11.643963
## sample506	12.489982	11.656096	10.702924	8.076331
## sample507	8.464196	8.842941	10.439592	10.483008
## sample508	12.426126	14.351770	7.417280	10.336176
## sample509	7.711333	10.211558	8.560404	5.537395
## sample510	12.940354	10.941385	7.483910	8.513281
## sample511	6.995151	13.420096	10.805978	7.041971
## sample512	10.283559	9.226712	11.901890	12.320099
## sample513	6.887204	10.621862	11.010636	8.655468
## sample514	14.352839	9.590523	9.856474	8.815907
## sample515	10.590370	8.297107	14.083203	10.752642
## sample516	10.889055	10.304865	10.711849	10.384765
## sample517	13.636398	6.210201	5.575997	9.538051
## sample518	11.271423	15.109685	10.624924	9.680715
## sample519	9.975481	10.481813	10.907727	9.605856
## sample520	11.621944	10.632520	11.846773	8.811016
## sample521	10.300138	12.047970	9.430704	10.708757
## sample522	11.634261	10.292093	9.016601	10.560340
## sample523	10.816708	12.352303	12.748716	9.234066
## sample524	10.285223	7.294061	5.482204	9.457762
## sample525	9.792722	7.747399	11.155036	12.321285
## sample526	11.403865	8.710825	5.815444	10.994629
## sample527	12.081468	11.915104	8.578309	8.287842
## sample528	10.098260	9.590829	7.205804	12.505532
## sample529	13.508605	8.853651	8.452697	10.634712
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## sample531	5.867385	8.980294	9.899844	9.091114
## sample532	9.258757	10.341884	11.706251	12.629830
## sample533	13.386165	8.891935	9.855063	10.033861
## sample534	12.300619	7.427007	12.261469	9.053745
## sample535	9.790772	11.312765	9.909970	8.429869
## sample536	8.968623	7.624229	11.861148	9.673904
## sample537	13.047351	12.211501	11.123149	9.701331
## sample538	9.348245	8.278921	7.630044	11.721074
## sample539	12.501675	7.206826	10.922913	7.899760
## sample540	11.302647	8.578248	7.754274	11.546135
## sample541	10.184208	9.577005	7.641709	9.895710
## sample542	9.872336	9.824307	11.905410	11.168896
## sample543	8.327910	9.381892	9.653973	7.371096
## sample544	13.457489	7.718758	11.964176	11.730159
## sample545	8.065834	9.839411	10.530293	7.762839
## sample546	11.132718	6.153531	7.295237	8.442555
## sample547	9.098758	11.044803	14.242528	10.619493
## sample548	7.804238	9.679202	6.805906	9.534915
## sample549	7.490784	10.252159	12.288135	13.082498
## sample550	14.313358	7.241974	9.553405	14.584376
## sample551	10.680402	10.176350	12.569542	8.793954
## sample552	11.074045	10.540986	6.591582	15.840558
## sample553	11.916806	13.334222	10.565216	13.269279

## sample554	12.843560	10.257707	9.284343	6.574939
## sample555	9.667478	7.807249	12.293192	12.295147
## sample556	11.576486	10.485930	10.199654	10.730008
## sample557	8.747487	12.435855	5.753525	8.719179
## sample558	14.018907	10.464194	11.250246	8.549526
## sample559	12.962507	9.452263	9.170015	8.246551
## sample560	10.329498	11.482873	7.532166	11.125211
## sample561	11.484707	10.679337	9.258349	7.767419
## sample562	8.471064	10.526811	6.329670	9.993913
## sample563	12.922903	11.919783	9.734894	11.282532
## sample564	7.291807	10.197539	8.387365	10.173598
## sample565	7.564289	11.591312	10.356646	7.230409
## sample566	12.877039	10.190028	8.559934	10.817739
## sample567	15.378009	8.246962	6.339638	7.887429
## sample568	12.780215	9.233052	9.824157	7.414086
## sample569	12.203848	14.184781	9.499656	8.657731
## sample570	9.456589	7.470662	11.846038	10.524335
## sample571	12.304475	8.132656	9.978735	7.445114
## sample572	11.440670	8.174935	12.266194	8.952440
## sample573	10.129104	8.733703	9.550998	13.810984
## sample574	9.860582	8.215447	8.500120	12.406160
## sample575	12.389595	14.528137	4.702539	9.851700
## sample576	7.730818	12.331564	10.161080	9.849072
## sample577	12.129683	11.108739	9.186016	6.949536
## sample578	10.102282	6.297298	10.985978	9.057411
## sample579	11.615585	14.847622	7.808095	12.843912
## sample580	12.683771	10.085281	6.845984	9.842264
## sample581	8.898663	10.853149	6.844962	7.472675
## sample582	11.267450	10.718964	9.396116	11.312259
## sample583	9.350345	10.041643	7.182833	12.801631
## sample584	11.692290	9.813033	13.202897	10.231017
## sample585	10.034083	11.122863	13.055296	7.384909
## sample586	9.348955	9.075231	14.050480	9.769781
## sample587	8.228412	7.475377	9.843631	10.753689
## sample588	9.337206	7.111073	8.763560	10.106833
## sample589	9.978956	11.546348	10.000731	11.874650
## sample590	12.866710	13.474186	9.919866	10.842235
## sample591	8.491179	10.830229	9.893156	8.566329
## sample592	10.992387	12.364122	12.616932	12.021030
## sample593	8.264076	6.870439	7.674413	10.470926
## sample594	9.776900	7.732727	8.340142	10.808735
## sample595	10.398947	15.774529	8.807892	11.114588
## sample596	6.709063	11.024043	9.888824	11.153471
## sample597	11.571983	9.032077	9.216398	11.606590
## sample598	9.694141	11.608269	12.017762	11.900525
## sample599	6.873977	9.156909	8.450116	4.781816
## sample600	7.860630	12.050920	9.305757	9.847475
## sample601	7.769856	2.788958	8.282993	13.614252
## sample602	9.771563	11.741009	6.284110	9.850814
## sample603	8.210757	11.385404	9.731942	13.258873
## sample604	8.691822	12.765689	11.903017	13.095268
## sample605	12.357433	11.940637	8.095775	9.695983
## sample606	11.903033	6.456255	13.397303	8.822291
## sample607	10.215821	7.083171	8.204341	8.751980

## sample608	13.171575	10.614610	8.025071	8.845770
## sample609	11.652201	12.216906	10.772682	9.859081
## sample610	8.189146	11.947845	5.614270	9.672784
## sample611	9.237208	11.811154	12.590444	6.993301
## sample612	7.566038	10.255440	11.107682	15.901626
## sample613	11.037737	10.986820	7.433145	5.676912
## sample614	11.083338	11.153522	13.079733	11.493758
## sample615	10.260195	10.425634	11.913556	10.780633
## sample616	9.501158	9.535015	8.238937	10.598464
## sample617	11.919753	8.801336	8.863298	7.603448
## sample618	7.456808	8.264653	11.928680	10.612469
## sample619	8.871504	9.417796	8.135687	9.593871
## sample620	10.566307	8.265741	8.914983	13.328088
## sample621	8.919117	11.346588	9.473259	9.821380
## sample622	11.523064	11.376842	7.708762	9.518041
## sample623	10.237094	12.817262	9.505747	10.902474
## sample624	10.181190	9.298601	9.822499	11.737551
## sample625	12.612093	5.261304	12.320759	13.212243
## sample626	10.704040	9.048997	8.926771	10.197961
## sample627	8.406219	9.875864	6.510500	14.967956
## sample628	6.335814	8.603914	7.771944	13.171233
## sample629	12.205054	10.580134	6.176832	9.271563
## sample630	7.088580	10.149356	8.544660	7.400323
## sample631	9.593309	8.373606	8.338436	10.444299
## sample632	11.560139	9.837657	8.816004	11.576233
## sample633	8.008113	8.127978	13.451534	8.972208
## sample634	12.547251	12.290925	8.875654	8.571680
## sample635	10.428923	10.175973	11.604617	7.512099
## sample636	8.583213	11.468738	11.478487	10.482393
## sample637	14.125667	11.740574	9.260636	9.865448
## sample638	8.371587	9.272096	9.034511	12.014391
## sample639	9.947108	11.462298	12.154751	7.562668
## sample640	11.718389	8.644448	6.791375	12.115854
## sample641	9.075534	8.867899	12.736727	11.177766
## sample642	6.076194	11.780169	10.592501	10.670002
## sample643	6.962021	8.319903	11.962140	8.725135
## sample644	8.279239	6.511193	12.120041	10.327655
## sample645	9.035868	9.343959	6.530540	11.115792
## sample646	11.545404	11.633266	9.637878	10.361843
## sample647	7.621546	12.129531	8.570010	10.879453
## sample648	10.744248	10.262647	10.439861	13.817881
## sample649	8.111958	8.742933	11.470017	9.891439
## sample650	8.789719	12.308520	7.582779	13.221781
## sample651	12.627462	10.247459	9.967848	10.635167
## sample652	13.469955	9.430073	9.746887	10.374171
## sample653	10.856875	12.555985	10.144946	11.723898
## sample654	7.902328	9.576081	10.154738	9.546966
## sample655	13.000582	10.294189	6.579126	12.377926
## sample656	10.247151	8.032332	9.247729	11.599479
## sample657	9.279778	9.991628	9.023310	8.635263
## sample658	7.794739	10.526372	12.206189	12.309912
## sample659	7.827976	11.771080	8.557043	13.927795
## sample660	8.039412	12.010363	9.863360	8.875695
## sample661	8.229779	5.023599	7.998798	11.475719

## sample662	13.944019	12.858903	10.899384	7.810201
## sample663	13.443503	10.472702	11.351347	10.298207
## sample664	8.078226	10.379423	9.640463	9.413621
## sample665	12.314078	10.518367	9.376269	10.603898
## sample666	8.811101	10.927812	9.135309	9.552234
## sample667	11.351498	11.130845	11.286301	8.363536
## sample668	8.794409	12.738012	8.344664	7.799888
## sample669	6.668096	8.551764	8.184448	10.803232
## sample670	12.499363	8.048833	12.603185	12.068114
## sample671	6.937724	5.317795	7.569759	9.986928
## sample672	10.713180	7.278140	10.287871	6.710888
## sample673	8.682444	9.765109	10.960650	12.201788
## sample674	14.627392	10.282178	10.263975	10.132758
## sample675	9.970060	6.756498	7.012176	9.058101
## sample676	8.450369	8.075856	13.138672	11.207743
## sample677	8.563677	12.401830	12.076522	7.462690
## sample678	10.177445	10.009169	8.881059	9.006938
## sample679	9.058863	9.580564	11.492603	5.463181
## sample680	6.539370	11.318817	8.138761	8.760812
## sample681	6.777660	15.695172	11.200170	11.750747
## sample682	10.482167	8.311735	10.527417	5.221623
## sample683	10.306510	7.862621	7.701581	11.158881
## sample684	8.813643	10.709794	10.968851	8.739599
## sample685	8.811154	8.367281	8.197407	8.684600
## sample686	10.835204	12.696450	11.529349	12.415444
## sample687	9.056984	9.789316	11.976180	9.578657
## sample688	9.416128	8.350589	9.815318	7.740694
## sample689	9.178773	12.137094	7.658206	10.485528
## sample690	9.511460	9.347046	10.951911	9.632657
## sample691	10.289675	15.624445	11.945797	9.144947
## sample692	8.328189	4.901733	7.524036	10.452952
## sample693	11.982811	8.711386	8.884101	6.909536
## sample694	9.096740	12.349651	11.353422	12.314133
## sample695	10.287626	11.911693	10.588974	12.117514
## sample696	10.092129	10.653590	9.105666	5.051616
## sample697	8.476790	11.427479	9.348671	11.469408
## sample698	9.122718	11.821913	8.179008	8.221104
## sample699	11.470131	11.744809	8.313475	9.853847
## sample700	11.267633	14.048600	9.135487	9.356718
## sample701	12.477489	10.283956	11.782225	11.819056
## sample702	10.463792	8.689951	7.480614	9.795426
## sample703	9.371124	7.889293	9.143057	8.688641
## sample704	12.999407	10.121167	9.005695	7.225330
## sample705	10.139149	10.094420	13.079068	13.393268
## sample706	12.668067	4.972071	9.896829	9.259891
## sample707	10.364470	7.662571	10.476758	8.591483
## sample708	9.807847	12.769483	10.378652	6.999685
## sample709	8.298935	11.986210	8.978453	8.167409
## sample710	10.538944	8.610663	11.098877	12.278530
## sample711	5.482002	13.235869	12.514455	10.336095
## sample712	12.357641	11.751484	9.411659	6.998467
## sample713	11.804182	7.826252	9.886983	10.161738
## sample714	11.253449	12.695653	10.922219	9.262940
## sample715	10.501902	12.350462	9.766403	8.366093

## sample716	11.105298	9.881013	9.658061	9.935553
## sample717	11.901509	10.880578	12.150917	7.404668
## sample718	8.571028	9.791288	11.612313	8.925342
## sample719	13.783411	11.323076	8.885872	9.222740
## sample720	12.790635	8.901201	13.779643	8.302977
## sample721	10.226779	10.117929	6.060893	9.507379
## sample722	10.749940	10.365488	10.776375	10.793403
## sample723	12.929013	10.859240	9.900215	8.914408
## sample724	7.515534	7.044809	6.942837	8.544762
## sample725	8.594689	11.374724	10.503277	13.116698
## sample726	11.734547	8.321540	11.468974	11.085662
## sample727	9.813430	11.470121	12.595754	11.616077
## sample728	12.526759	8.811509	7.888299	5.861306
## sample729	4.627504	10.585693	10.840045	7.422287
## sample730	8.188515	10.063782	11.656741	10.245677
## sample731	11.418473	10.648852	8.969046	13.592624
## sample732	14.189602	8.137014	10.050650	9.521004
## sample733	12.250573	12.579141	4.499498	8.663592
## sample734	10.754455	10.193383	13.237942	12.142336
## sample735	12.218395	9.798408	10.118440	11.234823
## sample736	11.277705	7.626501	11.276848	8.989086
## sample737	9.282330	12.024517	11.628399	13.332165
## sample738	6.536616	14.289751	12.579375	15.546946
## sample739	13.782409	13.062056	5.541728	6.258682
## sample740	9.336752	11.521147	7.695175	13.090012
## sample741	10.417487	8.909403	11.995902	11.268407
## sample742	13.468964	12.733168	8.551152	8.104467
## sample743	11.955345	10.393110	10.720155	13.760568
## sample744	11.120315	8.280994	11.440597	10.189089
## sample745	9.272406	12.592025	9.957234	9.353359
## sample746	9.112185	13.925657	11.627143	6.413590
## sample747	9.226529	10.960683	7.816372	10.975294
## sample748	13.663962	9.472988	7.717690	12.380209
## sample749	11.690634	12.025358	11.472840	11.441241
## sample750	10.661154	8.207798	8.289758	7.989488
## sample751	10.843368	9.277838	10.904236	12.018406
## sample752	9.129889	9.998851	12.782487	6.631695
## sample753	10.411215	6.510839	11.488304	12.990369
## sample754	6.862835	11.908295	8.004012	12.898695
## sample755	9.964362	10.117480	10.182910	11.875104
## sample756	10.207095	8.005833	7.245799	9.588602
## sample757	8.330436	7.222949	11.360449	9.075582
## sample758	7.610816	10.115414	7.327198	10.049579
## sample759	8.555615	12.916082	10.206877	8.198338
## sample760	10.006026	9.361920	11.953365	10.899078
## sample761	9.318542	8.186372	9.076372	12.848147
## sample762	10.683983	14.173558	10.648160	9.842364
## sample763	9.253540	9.631362	8.810611	10.293381
## sample764	9.968660	11.845093	9.531687	9.805458
## sample765	15.208495	13.038160	7.102618	11.145845
## sample766	11.344710	9.939121	11.481070	7.058644
## sample767	10.279098	12.692757	12.137367	11.107261
## sample768	7.951137	10.988322	10.999188	10.898652
## sample769	9.424725	9.657401	9.398146	12.290278

## sample770	8.298569	11.791912	12.898642	8.074160
## sample771	12.269274	11.954948	11.753344	10.447111
## sample772	9.526287	14.990122	8.424290	9.275653
## sample773	8.844822	6.632136	8.646417	9.230006
## sample774	10.738387	8.777317	8.532662	10.817604
## sample775	8.858426	7.523682	9.024163	11.340615
## sample776	10.927486	9.928366	9.636737	7.565593
## sample777	6.210044	5.883743	10.753189	12.485707
## sample778	10.407535	8.058119	12.987333	9.056353
## sample779	9.838045	11.051183	9.915706	10.048779
## sample780	6.980661	8.952350	10.817748	10.445799
## sample781	9.976989	4.331483	10.984539	9.393768
## sample782	7.700782	8.339704	7.862017	9.987099
## sample783	10.232798	6.733287	14.142023	13.621371
## sample784	10.694608	11.683789	8.826532	9.684907
## sample785	11.093866	9.855581	8.024585	10.440827
## sample786	8.963846	10.171581	10.367182	7.866066
## sample787	12.590281	8.953128	7.327974	10.847682
## sample788	11.906299	12.126353	10.854027	11.556528
## sample789	9.806609	9.686906	9.070414	14.801659
## sample790	10.788295	12.976808	8.265390	12.959645
## sample791	13.074461	6.377170	8.609934	11.960549
## sample792	10.738765	9.454188	8.863162	10.192711
## sample793	7.744757	10.300522	11.219856	11.238623
## sample794	9.607695	9.801464	11.067155	8.729730
## sample795	9.471101	9.935025	8.700161	9.513883
## sample796	9.219760	12.577749	8.908210	4.452550
## sample797	10.034828	6.940193	11.155543	10.132020
## sample798	9.417618	10.121606	9.389727	10.335277
## sample799	12.331603	11.538025	10.827005	9.982223
## sample800	14.864165	4.837738	13.464669	9.114076
## sample801	8.741912	7.841391	9.618433	11.461271
## sample802	5.451311	8.604536	9.764352	10.573479
## sample803	10.669874	10.944307	9.075401	11.586370
## sample804	9.572624	10.289105	10.545013	10.820393
## sample805	9.936915	6.028825	10.746091	9.672827
## sample806	8.607833	7.909698	13.026171	7.983963
## sample807	11.936842	8.954510	7.103322	6.596756
## sample808	14.792697	11.693879	10.085279	9.496001
## sample809	12.952241	9.509819	8.272978	8.647532
## sample810	9.065622	7.816516	8.854905	5.912843
## sample811	8.821109	12.036091	7.882088	12.544099
## sample812	8.024956	9.762268	7.801716	5.062086
## sample813	10.321414	10.902508	8.300698	9.275510
## sample814	6.608759	10.254189	10.307818	10.743589
## sample815	9.691313	8.935232	12.111508	15.038676
## sample816	8.871512	11.835395	9.787748	13.291352
## sample817	6.227050	8.631975	9.956747	11.516305
## sample818	9.296326	10.155518	12.047473	12.426495
## sample819	10.608498	6.725371	10.299874	10.593112
## sample820	7.357412	9.677473	8.451524	5.098479
## sample821	7.085535	10.520707	13.451014	10.168149
## sample822	12.294995	11.897120	13.347667	8.459632
## sample823	12.425070	11.570669	9.097863	7.847941

## sample824	10.317176	10.373235	7.127725	13.315152
## sample825	6.475156	9.525715	12.506280	10.497564
## sample826	10.520350	9.468168	7.766399	13.066743
## sample827	10.324156	6.246209	9.383785	7.078023
## sample828	6.963058	8.462598	9.585172	12.732858
## sample829	9.625161	8.102247	10.561125	13.403597
## sample830	14.366668	11.935757	7.042660	8.907855
## sample831	10.686749	5.334136	10.138139	10.082507
## sample832	13.867366	12.293377	5.167838	13.767555
## sample833	8.878319	6.593978	7.643838	11.151549
## sample834	11.039217	11.579229	9.597249	10.984614
## sample835	11.961857	10.642191	9.544140	10.185795
## sample836	9.221074	11.390317	5.371678	9.578625
## sample837	12.292518	9.056998	9.237457	9.465608
## sample838	8.371420	7.594307	7.974258	10.906487
## sample839	10.837459	11.596283	9.866886	10.820691
## sample840	10.875770	4.289144	11.510809	9.564430
## sample841	13.978380	10.404605	12.760984	12.492397
## sample842	11.966854	9.996942	11.283818	9.068191
## sample843	12.020706	7.584454	7.326607	7.805727
## sample844	6.133203	8.696580	7.635533	9.671962
## sample845	10.975879	8.792011	9.433123	12.107273
## sample846	9.074984	11.553431	10.726206	13.058569
## sample847	9.677453	9.856802	7.055453	7.828989
## sample848	10.028870	10.184100	9.711248	8.190408
## sample849	5.332753	10.623989	10.155579	11.004138
## sample850	9.357802	11.072116	9.701360	12.164919
## sample851	7.750794	4.021149	9.760138	11.328056
## sample852	9.507409	10.097183	11.226345	13.598348
## sample853	11.604658	10.490816	9.308456	13.061900
## sample854	8.527665	11.437233	9.946090	12.399306
## sample855	11.192815	10.516302	6.727997	11.739239
## sample856	9.165453	8.709990	11.045064	11.125827
## sample857	14.301132	8.241964	10.298097	9.915407
## sample858	9.073111	8.851387	6.557146	12.218176
## sample859	7.295276	9.373528	9.361118	7.978470
## sample860	11.383881	10.641395	10.197194	8.487616
## sample861	11.767256	8.090126	11.723337	15.376135
## sample862	9.216854	9.554651	7.549867	11.672940
## sample863	11.703803	9.165020	9.801866	10.270145
## sample864	13.032772	10.698310	7.910703	13.635530
## sample865	8.057444	9.342487	8.934535	8.980274
## sample866	13.250647	7.536065	11.847122	11.007609
## sample867	9.044935	10.262795	6.537695	11.293150
## sample868	7.806386	8.036011	9.451187	8.444717
## sample869	9.995204	8.574050	7.816906	13.971666
## sample870	6.917983	10.020518	12.011522	8.375034
## sample871	8.551261	10.657944	9.242094	10.622675
## sample872	11.930583	15.472229	10.201545	9.581783
## sample873	9.827790	8.597435	12.303991	9.613359
## sample874	10.796011	7.337399	10.773357	7.050350
## sample875	9.138061	10.307081	8.048324	11.881048
## sample876	9.940661	10.561441	10.246170	8.950637
## sample877	10.715740	8.108805	11.153064	14.971809

## sample878	9.256270	13.950403	5.606478	10.565727
## sample879	8.577318	9.793026	5.803539	12.803833
## sample880	11.096715	10.002278	10.793303	7.251583
## sample881	11.199868	10.537395	7.258262	7.766136
## sample882	13.391129	3.943804	9.605137	6.372556
## sample883	11.541623	13.348117	9.566767	12.339083
## sample884	10.133163	11.673554	7.407304	8.669424
## sample885	7.206806	9.645509	9.852064	12.678237
## sample886	11.061608	11.802369	11.639605	11.354194
## sample887	8.679572	12.786899	9.088946	9.346925
## sample888	11.169358	10.115587	7.429284	9.605289
## sample889	14.197298	9.216598	11.999115	11.728622
## sample890	8.227133	13.456470	10.030878	8.180021
## sample891	9.985541	10.256381	11.267526	10.663676
## sample892	10.198291	8.758772	9.969530	10.508463
## sample893	7.857147	11.296184	9.927079	11.767558
## sample894	8.467671	9.802815	6.003571	13.911301
## sample895	10.783379	8.122129	9.204189	10.956284
## sample896	9.006082	7.230026	13.806726	10.318647
## sample897	10.659922	13.078865	9.201419	6.466090
## sample898	11.634079	9.789285	9.854634	7.379767
## sample899	10.605102	13.697668	11.540636	8.707980
## sample900	9.696760	14.836555	10.685278	11.226547
## sample901	10.459466	10.728223	14.742356	10.087309
## sample902	12.184957	9.873836	8.774216	10.971284
## sample903	10.005761	12.722084	9.604416	10.043862
## sample904	9.734855	9.964721	8.269965	10.733672
## sample905	9.864218	10.040979	3.698786	10.837196
## sample906	10.611769	10.582432	15.329207	13.143717
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## sample908	10.102413	9.064125	11.306944	8.516475
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## sample921	11.290154	6.479884	12.559454	7.758713
## sample922	11.962732	7.721772	9.591069	11.247297
## sample923	10.118534	8.997490	9.498891	9.201905
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## sample936	4.721363	10.599898	12.377958	11.807656
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## sample938	11.635536	8.557012	8.764143	9.329186
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## sample961	9.165159	10.206618	12.296319	12.494231
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## sample974	7.647412	8.277191	9.396406	8.903231
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## sample976	6.839044	8.694007	9.214245	8.183160
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## sample1001	10.932401	8.791165	11.004707	10.688273
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## sample1003	8.105587	11.195959	10.997010	9.167065
## sample1004	10.077126	9.622531	10.858342	7.093116
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## sample1006	11.114344	9.380590	10.445762	11.173189
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## sample1008	8.084725	9.586942	11.728874	11.511773
## sample1009	9.063853	8.643217	9.102315	7.211201
## sample1010	12.089513	10.670460	9.150433	7.550498
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## sample1013	11.116287	14.699795	8.671806	12.789103
## sample1014	11.383935	10.695905	11.454056	10.139982
## sample1015	11.315548	7.812978	11.739400	8.961680
## sample1016	9.345925	10.992434	11.321066	11.588603
## sample1017	9.390925	8.085959	14.071116	9.950506
## sample1018	6.890182	6.480839	7.798424	10.035494
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## sample1020	10.324669	12.617347	10.096265	7.264688
## sample1021	9.411705	8.846903	10.512318	8.051002
## sample1022	11.712222	11.372669	14.252034	6.239295
## sample1023	8.854568	6.494112	11.670614	10.891297
## sample1024	9.658376	8.970529	13.809108	12.879226
## sample1025	9.187856	9.233302	10.316145	10.532432
## sample1026	12.661220	9.536847	12.185003	13.657465
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## sample1040 13.422575 10.148451 11.435406 11.499483
## sample1041 8.827955 11.152630 10.064309 12.919105
## sample1042 7.108052 7.862639 9.830536 8.981149
## sample1043 8.369357 4.290187 8.971336 11.879702
## sample1044 10.248857 6.218744 4.747827 9.590885
## sample1045 8.208014 8.218550 10.987797 10.335922
## sample1046 8.961614 7.837964 12.232015 10.075535
## sample1047 8.876480 11.970391 13.001178 7.716032
## sample1048 9.180528 8.584234 12.272712 10.909657
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## sample1051 8.903875 11.383507 8.156610 11.322653
## sample1052 9.891170 11.854077 11.783775 9.295907
## sample1053 8.050347 9.652594 10.174491 11.127941
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## sample1059 10.438287 9.498452 11.274731 11.259312
## sample1060 8.203037 10.482181 10.420869 11.975685
## sample1061 6.683472 11.107352 9.220696 8.678090
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## sample1068 10.866168 10.987280 14.149097 10.820161
## sample1069 10.154379 9.621981 8.207925 12.123639
## sample1070 11.643496 5.479656 9.580539 9.136458
## sample1071 11.933229 6.996892 12.889255 10.909754
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## sample1078 10.157435 10.209757 6.666509 10.102305
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## sample1168	10.812329	6.526739	10.422863	10.444214
## sample1169	8.590422	7.236687	6.854456	8.229733
## sample1170	9.279353	10.580557	13.342103	9.935507
## sample1171	10.484868	12.675068	13.226299	9.853273
## sample1172	13.233492	10.098460	6.694718	12.749945
## sample1173	9.782926	14.355098	10.156806	8.502302
## sample1174	9.858279	13.687345	9.622430	12.273630
## sample1175	8.688431	11.748382	8.294675	7.954963
## sample1176	11.843325	8.216842	5.834166	13.836677
## sample1177	8.589987	8.295078	12.557251	7.164143
## sample1178	11.742688	10.666386	8.994180	10.446356
## sample1179	10.738268	6.126845	12.935005	10.752682
## sample1180	7.677200	12.944092	8.683675	11.770441
## sample1181	5.643280	8.728870	12.304775	10.335524
## sample1182	10.461322	9.556584	12.467439	7.036927
## sample1183	8.620695	11.015586	10.917201	9.272031
## sample1184	10.899892	12.366670	8.185514	12.329943
## sample1185	11.866891	10.305052	8.920077	12.647206
## sample1186	7.773789	11.355125	6.352691	7.527732
## sample1187	9.854207	8.759032	9.450859	9.031891
## sample1188	10.474716	9.800767	9.014442	10.035735
## sample1189	12.690240	10.442928	8.943873	10.367701
## sample1190	11.561717	8.974266	9.185929	8.880358
## sample1191	12.082865	9.952989	11.138852	9.594898
## sample1192	10.854515	10.853473	8.969430	10.826164
## sample1193	8.737951	8.751369	9.215982	8.327161
## sample1194	7.814044	7.862542	6.753453	11.069963
## sample1195	10.360197	10.171853	9.171866	8.729241
## sample1196	9.407913	12.431698	7.742062	10.639289
## sample1197	11.218724	8.416810	7.589320	9.564850
## sample1198	8.353047	13.101832	10.003564	11.221205
## sample1199	11.186298	10.592445	11.190468	9.252661
## sample1200	11.230205	11.317115	11.970368	11.751933
## sample1201	10.937105	12.821687	12.720106	9.104273

```

## sample1202  7.398837 11.523003 10.136752 10.035845
## sample1203  9.494666 10.254435 10.871410 11.198849
## sample1204 11.931384 12.591994 12.072129  9.568434
## sample1205  9.577811 14.422330  8.465515 10.059519
## sample1206  7.215814  8.743255 10.754777 12.729320
## sample1207 13.956520 10.396419 12.330889  7.426196
## sample1208  8.792628 10.320621  8.622318 10.358610
## sample1209  8.242122 11.189777  9.342166 11.939727
## sample1210 10.741571  5.720348  5.474827  5.820124
## sample1211  9.164441  7.085308 11.953301  8.487957
## sample1212 10.116137 13.430030 12.699032  9.194249
## sample1213  9.738394  9.735453  9.773969 10.767995
## sample1214 11.535310 10.673837  9.538804  8.060721
## sample1215 10.074818  7.255825 12.535029 10.365706
## sample1216  8.801315 11.775290 10.802967  8.767435
## sample1217  9.863152  7.759255  7.394612 12.780515
## sample1218  7.876600  5.640986 11.859723  6.499762
## sample1219  8.061977  8.638140  7.258907 13.547059
## sample1220  8.875709  6.423249 11.428815  9.625424
## sample1221 11.867232  8.492507 10.558382  8.350337
## sample1222  7.426352 11.562135  8.248633 10.114495
## sample1223 11.618637 10.943330 11.302950 10.124663
## sample1224  8.195448  7.600902  8.612330 11.356092
## sample1225 11.840341  5.673200  7.814105 11.088535
## sample1226 10.081240  9.329493  9.539183 10.355029
## sample1227 10.977093 12.865828  6.729151  8.785146
## sample1228  9.596300 12.501741  9.760285  9.612225
## sample1229 10.959991 11.304975 11.013966  7.290016
## sample1230 10.909079  8.441600  9.855799 14.250587
## sample1231 10.707113 10.330624  9.448042 10.206444
## sample1232  6.021183  8.860108  6.578105  6.727683
## sample1233  9.343584 11.974070 11.566937 12.676269
## sample1234  8.182208  7.573607 13.520851 13.088276
## sample1235 10.475630  8.851513 11.827420  9.198590
## sample1236 10.048101  8.241415  6.506142  6.392339
## sample1237  9.277465  7.862482 10.719983 11.819716
## sample1238 12.610908  6.951059 12.055529 10.174798
## sample1239 11.492964  9.329689  9.591885  8.846944
## sample1240  6.956249  8.051110  7.120817 11.889862
## sample1241 10.015796 10.113515  8.853501 11.323013
## sample1242  6.591013 13.885496  8.050367  8.697662
## sample1243 12.131114 10.026187 12.081837  7.547261
## sample1244 11.987087 11.573971  9.211329  9.744389
## sample1245  9.159086 10.929388 13.075656  7.781568
## sample1246  9.340393 10.134868  6.176665  6.227441
## sample1247  5.858400 11.761200  8.720602 10.373153
## sample1248 11.869683  9.794715 11.705441 10.785824
## sample1249 13.099671 10.090377  9.501509  7.421440
## sample1250  7.736956  6.825027  9.764635  6.027725
## sample1251  8.337300  8.672964 12.510162  8.892124
## sample1252  7.880777  9.812793  6.442749  7.442081
## sample1253  7.207283 12.318069  7.202889  8.099802
## sample1254 13.648766 16.381478 12.184200  9.412874
## sample1255 11.069719  9.237475  7.275452  9.770977

```


## sample1256	8.673240	12.386176	8.844391	9.958444
## sample1257	6.578538	7.657402	10.436723	8.950304
## sample1258	8.604339	11.893978	12.349024	8.633233
## sample1259	10.974501	8.723870	8.486308	8.522888
## sample1260	7.851312	9.558802	6.927552	7.506477
## sample1261	10.993303	8.542006	10.892085	7.991720
## sample1262	11.817170	11.014854	11.306926	10.187739
## sample1263	8.960758	10.141007	9.437644	11.206532
## sample1264	14.011609	9.341952	7.152716	13.064337
## sample1265	11.814683	9.407002	10.407099	8.268612
## sample1266	7.201324	7.636705	9.209787	6.217679
## sample1267	11.504934	11.404753	9.011951	11.529780
## sample1268	10.559473	9.190696	9.747917	13.737622
## sample1269	9.573504	6.684341	9.745845	7.140852
## sample1270	11.170943	9.982371	11.007718	10.187033
## sample1271	9.425512	10.090831	11.035002	6.237347
## sample1272	10.266876	12.050500	11.821606	7.017560
## sample1273	9.924385	11.525312	8.468439	12.724819
## sample1274	9.419512	6.841662	9.232086	15.102822
## sample1275	13.894143	10.335790	8.066678	10.934250
## sample1276	11.346995	7.560778	14.133179	10.395739
## sample1277	10.404340	11.061426	8.515105	10.446873
## sample1278	11.249704	8.019736	10.502395	10.195540
## sample1279	10.963552	10.105499	12.066689	9.954651
## sample1280	9.603217	8.629473	9.603368	8.281917
## sample1281	11.478445	9.211256	9.386216	7.635238
## sample1282	10.222119	11.636568	9.132574	12.261906
## sample1283	14.821317	8.977336	8.322266	10.213349
## sample1284	8.768097	11.849477	11.428625	12.946155
## sample1285	11.749473	10.300883	9.608021	9.248981
## sample1286	11.068086	12.243668	6.062109	11.969995
## sample1287	7.895476	9.407649	7.167353	8.767167
## sample1288	8.919783	8.933106	13.473547	9.424055
## sample1289	8.452147	12.434198	11.310311	10.863385
## sample1290	11.326484	12.066913	9.609036	10.646039
## sample1291	11.046347	7.369149	7.802639	8.447600
## sample1292	16.224524	7.564665	7.257642	9.138861
## sample1293	13.807265	7.721296	9.611401	10.956281
## sample1294	10.274811	9.962379	7.652669	7.153083
## sample1295	8.223917	9.576440	10.036374	9.573224
## sample1296	8.020222	11.101837	6.626396	9.480678
## sample1297	13.771753	9.967778	9.580530	9.658700
## sample1298	7.637399	12.455869	7.502877	11.621206
## sample1299	9.268963	11.639636	12.039887	10.943676
## sample1300	9.404575	14.554524	12.019602	12.220903
## sample1301	6.795329	8.957678	10.462479	13.639311
## sample1302	10.860862	11.230524	9.727441	8.524498
## sample1303	11.991486	11.652417	8.862043	10.451434
## sample1304	10.367173	10.302650	9.246212	8.298881
## sample1305	7.209997	9.911974	12.995942	11.364366
## sample1306	12.471667	11.597375	12.239171	6.136952
## sample1307	8.195755	10.422573	9.797645	11.067438
## sample1308	9.233733	10.034364	11.103335	8.302434
## sample1309	12.311802	11.284933	10.798341	12.750848

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## sample1310 11.066081 13.506237 11.778465 9.152201
## sample1311 7.648983 13.433302 12.890680 10.752091
## sample1312 13.041046 12.194851 11.494067 10.075898
## sample1313 8.950036 10.844147 7.251094 8.825833
## sample1314 8.803842 10.762739 11.853692 3.638688
## sample1315 10.277122 11.183233 8.237813 11.945935
## sample1316 10.663088 9.347529 9.097874 11.800268
## sample1317 9.081222 7.524434 11.647979 11.548792
## sample1318 13.028583 5.679145 8.839606 9.191210
## sample1319 11.362795 10.625687 10.508382 9.266207
## sample1320 8.793650 11.212151 9.070070 9.711226
## sample1321 10.141061 10.143292 7.467322 13.273313
## sample1322 11.253268 6.462262 14.787441 7.287797
## sample1323 11.236938 7.335044 10.034022 9.347790
## sample1324 11.123818 10.771448 7.440536 3.388778
## sample1325 10.698745 12.540083 13.241549 8.079440
## sample1326 11.369201 12.100273 10.810934 7.870980
## sample1327 9.617914 12.185015 10.473379 7.633439
## sample1328 11.294632 12.027772 9.969671 8.593413
## sample1329 7.821275 11.292308 6.074529 12.224046
## sample1330 9.094663 8.219253 11.742648 9.921772
## sample1331 11.401891 11.851012 12.323059 9.432121
## sample1332 10.132388 13.207731 11.210253 9.042692
## sample1333 12.317041 9.133507 10.088565 11.654893
## sample1334 10.027177 9.979675 8.162895 9.201667
## sample1335 8.017607 8.625559 5.652232 7.661765
## sample1336 11.645505 9.440672 6.990064 9.709346
## sample1337 6.973832 8.298276 10.377453 13.431469
## sample1338 10.185956 8.781748 11.565807 5.835484
## sample1339 10.217963 8.554153 10.405642 10.568253
## sample1340 7.514213 12.723465 7.569411 10.757744
## sample1341 10.598767 7.317147 9.678342 11.532387
## sample1342 10.186347 9.764637 9.280937 11.339737
## sample1343 6.611855 11.993753 10.939738 13.507815
## sample1344 9.269939 9.949481 10.901380 12.648866
## sample1345 12.410971 8.547735 8.943299 8.257800
## sample1346 8.877762 6.447913 7.783761 7.733692
## sample1347 9.298299 8.712773 9.844164 10.337117
## sample1348 6.040326 8.333532 14.974888 6.835013
## sample1349 12.720470 9.172841 8.755423 10.372762
## sample1350 8.805098 12.286511 9.379057 12.189036
## sample1351 9.652852 11.234831 7.157686 7.312459
## sample1352 9.148685 14.675158 12.971413 9.818952
## sample1353 16.330961 10.442050 11.562041 6.650784
## sample1354 6.182557 9.475939 7.691551 10.972009
## sample1355 10.743568 6.725396 7.639323 11.653936
## sample1356 9.111649 10.183233 12.023510 12.155947
## sample1357 4.918261 8.595420 9.595369 8.382651
## sample1358 7.369853 8.234512 9.352263 9.318991
## sample1359 9.563176 10.690966 10.280163 9.875411
## sample1360 10.235322 10.238994 13.138817 9.210501
## sample1361 7.589635 12.287688 10.998214 12.332422
## sample1362 10.636278 10.735939 10.951418 11.405492
## sample1363 12.647688 9.174362 8.583874 7.284883

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## sample1364	10.491916	8.400114	13.299023	9.856765
## sample1365	9.959261	11.657890	10.266935	10.350074
## sample1366	4.592668	11.058932	12.126531	11.385222
## sample1367	9.092460	6.449662	11.969834	11.737165
## sample1368	8.944821	9.319189	8.813433	10.911962
## sample1369	10.290110	12.343563	8.585889	13.794945
## sample1370	10.973336	4.841974	8.437139	9.204948
## sample1371	9.126221	14.127012	10.080799	10.860767
## sample1372	15.044904	8.515874	7.004768	12.434460
## sample1373	9.112193	10.612038	13.487684	15.282597
## sample1374	10.657670	9.106628	12.236081	9.658421
## sample1375	8.555202	10.520885	11.188314	11.611739
## sample1376	8.693029	11.429838	8.112118	12.268174
## sample1377	11.521376	11.629413	8.718374	11.577606
## sample1378	10.471756	12.606265	12.986184	11.088245
## sample1379	10.196404	12.251668	11.676193	8.693082
## sample1380	9.042691	13.974617	11.607568	8.228881
## sample1381	12.567085	9.598126	10.187603	8.557519
## sample1382	8.053900	9.702214	8.479329	9.482177
## sample1383	9.363879	9.999795	12.035360	12.367592
## sample1384	5.993215	11.566818	8.193005	8.020183
## sample1385	7.516392	12.085267	9.874135	8.721054
## sample1386	6.190652	10.722428	10.213375	11.223885
## sample1387	7.282598	7.079833	6.306208	10.195661
## sample1388	9.899115	9.745457	4.673615	7.914944
## sample1389	10.987702	8.435575	7.719837	10.174822
## sample1390	10.689559	7.834608	11.955854	9.489967
## sample1391	8.362614	7.259516	12.787021	7.879496
## sample1392	11.568013	10.483928	7.585671	9.362130
## sample1393	11.551145	10.186121	10.469062	8.829258
## sample1394	12.882655	10.897620	10.484075	11.768170
## sample1395	9.985488	12.551682	9.581808	9.660924
## sample1396	12.250867	11.203863	10.134160	8.915974
## sample1397	11.846403	10.897862	6.523592	10.893751
## sample1398	12.683735	9.521047	5.951584	11.219520
## sample1399	10.997490	6.442128	6.405609	10.653999
## sample1400	7.806388	11.604727	9.685435	12.246844
## sample1401	12.296877	9.579300	4.958366	10.939222
## sample1402	13.960802	9.451102	10.002097	9.235333
## sample1403	9.579539	8.301377	11.103553	11.909298
## sample1404	7.769877	12.166017	8.587034	11.848975
## sample1405	10.661158	6.123073	11.346686	6.905252
## sample1406	7.043433	9.121077	4.966587	12.616324
## sample1407	13.732703	9.919171	7.886255	8.690656
## sample1408	7.476977	7.901420	9.142398	12.916397
## sample1409	9.711908	10.967020	10.762261	9.558160
## sample1410	9.869932	8.561640	14.375100	12.330633
## sample1411	9.690709	8.189225	9.713609	10.289431
## sample1412	12.119881	7.862451	7.395307	9.340066
## sample1413	8.797227	9.687865	11.915395	7.768082
## sample1414	11.329256	10.111685	9.822458	10.046841
## sample1415	9.996624	9.640442	8.989282	13.607002
## sample1416	10.754915	9.278472	8.433607	6.407250
## sample1417	9.574269	9.581524	8.871449	10.378429

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## sample1418 15.393012 10.945576 7.894422 8.761621
## sample1419 11.723853 11.726576 12.051827 8.908880
## sample1420 14.803979 12.968659 12.161108 7.012926
## sample1421 6.683423 9.034744 12.973629 10.905881
## sample1422 10.879869 8.156551 8.871665 12.813336
## sample1423 8.511136 11.049459 11.170460 6.799825
## sample1424 9.977906 8.843702 13.722265 12.341390
## sample1425 8.712720 10.368208 10.186357 12.732179
## sample1426 11.376742 15.008838 8.400213 11.147984
## sample1427 9.113955 6.907213 10.410786 9.217857
## sample1428 11.150127 7.262377 9.414701 8.479098
## sample1429 9.702834 13.152019 13.382652 12.312405
## sample1430 8.395839 13.492984 11.129389 11.059311
## sample1431 10.069051 17.392693 13.382809 11.481220
## sample1432 9.998026 11.752157 9.761525 9.103905
## sample1433 11.790880 13.695449 15.223633 10.250009
## sample1434 9.794317 9.581475 11.030264 11.435509
## sample1435 12.479944 14.998621 9.851009 8.563673
## sample1436 8.386752 9.400576 11.050686 15.823739
## sample1437 9.136928 12.938409 7.968943 9.245031
## sample1438 8.075750 10.144293 8.856000 9.341903
## sample1439 13.035558 8.717834 12.528863 10.478645
## sample1440 10.491405 6.868792 9.091955 9.859990
## sample1441 11.333982 8.428784 9.327694 12.705113
## sample1442 10.644787 10.946619 11.667801 10.500408
## sample1443 9.828732 9.319579 12.443919 9.519679
## sample1444 7.572630 8.256962 9.750433 7.806902
## sample1445 9.014056 10.489618 13.189881 13.286839
## sample1446 11.888754 11.180426 10.328471 11.838847
## sample1447 10.569697 7.364142 10.588604 10.953200
## sample1448 9.166642 12.148169 8.078976 7.778475
## sample1449 10.721509 14.170139 12.133977 12.171551
## sample1450 10.039649 7.385623 9.663296 11.990392
## sample1451 10.519749 11.552365 9.248222 5.820495
## sample1452 10.242620 7.182026 10.185980 7.800857
## sample1453 12.025005 9.236104 7.005713 10.572989
## sample1454 9.257149 9.620962 6.253786 8.689407
## sample1455 10.852308 14.854744 11.796647 11.196822
## sample1456 8.326562 11.256681 7.837585 8.401992
## sample1457 10.861318 9.757447 10.936205 10.268331
## sample1458 9.597028 8.599364 12.342832 12.147350
## sample1459 7.821690 10.406127 11.966820 8.754099
## sample1460 9.733343 13.174954 10.639238 7.862044
## sample1461 8.270533 12.978886 9.381789 13.609775
## sample1462 12.748961 6.087549 8.399237 4.921816
## sample1463 9.085797 11.233420 12.420804 13.273093
## sample1464 9.686075 8.940705 5.977539 8.092779
## sample1465 9.656184 9.946972 10.389013 7.745421
## sample1466 8.457905 10.872658 10.943126 6.938617
## sample1467 10.783462 16.511020 8.219579 7.852042
## sample1468 10.080402 10.580061 11.719634 6.248783
## sample1469 10.346139 9.703412 10.038501 11.869386
## sample1470 10.691991 15.620094 7.914595 11.197789
## sample1471 9.922173 11.490311 11.315754 5.916856

```

## sample1472	7.474035	11.410136	10.466768	7.061935
## sample1473	9.917681	8.045754	9.640868	13.190843
## sample1474	8.500818	10.226825	11.510628	11.443239
## sample1475	8.400705	12.435580	10.642001	11.171567
## sample1476	14.899777	11.322506	11.487721	14.103904
## sample1477	8.439362	14.155833	8.860052	10.191289
## sample1478	11.542972	11.920705	9.781182	14.825213
## sample1479	7.828773	9.641199	9.999294	10.898939
## sample1480	9.784189	10.550128	12.342852	8.528352
## sample1481	7.237733	9.407025	9.881605	12.388194
## sample1482	11.127685	11.548144	10.666070	4.430284
## sample1483	10.059200	8.254810	6.607463	7.836342
## sample1484	10.964545	8.839235	8.621927	5.767340
## sample1485	10.776272	5.946709	8.685620	10.764367
## sample1486	9.640051	11.159465	8.738105	8.137165
## sample1487	11.880379	11.417518	11.752417	10.801816
## sample1488	11.411139	10.102765	11.789538	11.790071
## sample1489	7.635330	5.084798	11.040423	12.507138
## sample1490	10.039535	8.197508	12.652681	6.609211
## sample1491	12.346108	9.272487	13.360277	9.144119
## sample1492	10.561295	10.782837	12.957822	10.279478
## sample1493	11.816428	13.023285	13.554499	8.293128
## sample1494	10.335867	10.589820	10.391509	10.343542
## sample1495	10.379887	8.145251	7.737621	9.835541
## sample1496	8.014952	9.133925	8.841050	7.914685
## sample1497	10.337768	10.007516	10.908981	12.696995
## sample1498	7.849407	9.437757	7.160388	9.286584
## sample1499	12.760634	10.565643	12.014391	12.457017
## sample1500	10.710600	5.817597	8.801329	8.257585
## sample1501	8.305512	10.547268	9.789562	8.969784
## sample1502	10.140859	13.417141	10.930745	9.706034
## sample1503	13.162390	14.664649	11.138789	11.173050
## sample1504	10.041196	10.956990	9.320623	8.164833
## sample1505	9.753259	7.103545	11.081862	8.988984
## sample1506	7.485242	11.502266	6.723767	8.906888
## sample1507	14.739813	10.092187	10.321547	8.500347
## sample1508	10.952309	6.884957	10.850725	7.514221
## sample1509	9.768398	9.800073	7.779440	5.174914
## sample1510	10.733750	6.333442	5.815583	6.299580
## sample1511	8.693793	9.104940	12.468689	13.843109
## sample1512	7.447115	10.680767	10.621731	3.738824
## sample1513	9.154905	9.573856	10.150523	11.814586
## sample1514	11.933433	8.753744	7.844088	8.740267
## sample1515	10.095469	10.758125	11.485612	8.862933
## sample1516	8.780128	6.747375	10.999886	8.216070
## sample1517	8.333885	10.266733	9.230825	6.612373
## sample1518	8.067606	8.799988	10.115180	13.778738
## sample1519	11.085905	12.145873	8.383445	9.953582
## sample1520	10.204657	10.822014	12.073926	7.998041
## sample1521	10.332692	12.979228	10.568002	15.160943
## sample1522	12.813467	10.187588	8.243038	9.869666
## sample1523	9.060378	7.903354	6.952778	10.500824
## sample1524	8.981463	6.466992	8.876327	11.027026
## sample1525	12.940880	9.267324	13.036600	8.887269

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## sample1526 12.092913 7.334058 11.187403 7.897082
## sample1527 9.015076 12.516681 9.154057 7.438140
## sample1528 8.967869 8.288092 10.185640 11.770416
## sample1529 11.249278 7.198756 12.301012 9.728841
## sample1530 10.427233 10.357202 9.730931 10.269295
## sample1531 11.339495 10.265370 10.173889 8.099546
## sample1532 11.104178 13.814898 9.904924 14.016706
## sample1533 10.905430 4.296493 9.421340 10.413221
## sample1534 8.215874 11.432677 11.927615 8.867702
## sample1535 12.858570 7.986284 8.102535 10.569988
## sample1536 11.707481 9.777818 11.135291 10.550213
## sample1537 11.483728 9.024398 11.345446 10.016177
## sample1538 10.342989 7.369653 8.720526 11.218797
## sample1539 10.844653 10.933516 9.488070 9.768901
## sample1540 7.476713 6.848467 11.644169 10.356367
## sample1541 7.357827 10.474537 11.553188 6.297218
## sample1542 10.730452 11.824690 11.183752 6.916362
## sample1543 9.838223 8.884971 11.697066 11.078751
## sample1544 9.633412 6.235048 13.548030 9.335704
## sample1545 7.932416 9.495064 9.581925 11.889153
## sample1546 11.436645 10.156333 7.936385 8.006872
## sample1547 4.354612 7.866956 9.056719 10.213380
## sample1548 7.496519 11.097239 9.040830 9.566467
## sample1549 12.368514 11.402193 11.177554 11.067146
## sample1550 14.510405 8.628575 7.884588 11.708183
## sample1551 8.139108 8.531010 13.120682 7.542339
## sample1552 6.617234 12.462566 13.521052 12.881923
## sample1553 7.836713 9.682231 8.284678 8.046106
## sample1554 12.068324 9.637031 6.541155 10.440850
## sample1555 8.566345 11.975205 13.376549 10.612282
## sample1556 10.196943 11.819103 8.185537 7.157811
## sample1557 10.687073 8.877240 8.166549 11.149368
## sample1558 12.884235 9.331820 11.943780 7.794574
## sample1559 10.190262 9.888086 11.217068 13.734632
## sample1560 10.445049 9.327283 12.316274 10.251841
## sample1561 9.000061 8.800114 10.442328 8.812175
## sample1562 11.176325 10.138462 13.424793 6.507198
## sample1563 11.162430 8.085704 11.251837 9.330604
## sample1564 11.258686 9.743090 8.932763 10.568151
## sample1565 11.623238 11.446743 9.362991 8.580504
## sample1566 12.927220 9.573563 7.958367 12.998040
## sample1567 5.998847 7.642476 13.759076 10.576932
## sample1568 12.556467 10.376646 11.190559 8.656979
## sample1569 8.599253 11.733496 11.062441 9.252777
## sample1570 7.587089 13.759057 8.259578 7.666932
## sample1571 10.049205 11.025435 11.140806 11.527233
## sample1572 11.717867 8.115031 7.847533 7.347295
## sample1573 6.815416 9.967742 9.097249 15.055645
## sample1574 8.332483 9.811123 11.992945 9.098338
## sample1575 9.437388 7.903210 9.411618 9.633906
## sample1576 9.754302 8.748806 5.514946 10.488908
## sample1577 8.677972 10.876410 13.525075 8.405660
## sample1578 13.775740 9.068409 15.909701 8.510322
## sample1579 9.372645 15.217471 8.954410 8.839106

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## sample1580 12.285728 10.014492 9.100825 11.512733
## sample1581 8.733239 10.976197 8.122765 9.417649
## sample1582 9.682541 9.200611 10.977290 10.688536
## sample1583 11.857238 8.499626 10.280585 9.917080
## sample1584 10.848634 10.300220 10.536400 7.120124
## sample1585 12.217410 8.473520 11.998338 11.065948
## sample1586 7.323538 8.521228 9.960287 6.347124
## sample1587 8.705015 12.904792 9.497287 11.384061
## sample1588 10.591813 10.650975 10.873370 8.818730
## sample1589 9.840345 11.299494 9.686178 9.600880
## sample1590 10.100706 8.796127 13.207500 7.828429
## sample1591 10.258138 7.421715 10.618214 8.724941
## sample1592 9.557100 9.213525 8.362374 13.076480
## sample1593 7.398064 10.735446 9.417337 8.814672
## sample1594 8.276073 9.025673 11.598075 12.953531
## sample1595 6.617997 11.301197 9.297742 14.563080
## sample1596 10.731777 10.177330 10.629579 9.310303
## sample1597 12.594700 13.729597 10.579693 9.767863
## sample1598 8.695235 9.614721 12.354185 8.423452
## sample1599 10.331366 12.442350 9.454798 10.070587
## sample1600 10.255993 10.975082 9.678323 10.523103
## sample1601 10.677486 15.109347 11.133722 12.703709
## sample1602 9.466167 10.330657 10.162854 8.070333
## sample1603 10.296270 9.246880 6.618016 9.267955
## sample1604 12.513183 8.390643 12.014531 10.057150
## sample1605 8.707436 11.968891 10.201848 8.066209
## sample1606 10.360945 7.725799 10.491438 11.737331
## sample1607 10.463786 10.304178 6.296847 7.867564
## sample1608 8.580027 7.815926 5.393389 10.698706
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## sample1610 10.870757 9.170219 13.795180 11.806716
## sample1611 6.239210 12.895834 11.536841 10.262029
## sample1612 12.167161 8.823235 9.285309 10.248243
## sample1613 9.001855 7.129650 13.182930 10.780237
## sample1614 13.701514 12.366171 10.825085 10.989229
## sample1615 13.307906 9.946465 13.769790 7.542313
## sample1616 7.884763 7.044899 7.895300 9.412624
## sample1617 9.956357 8.903647 8.269236 7.250014
## sample1618 11.365847 9.596048 11.628506 9.783592
## sample1619 7.735412 9.649335 11.556218 12.536385
## sample1620 10.638475 10.948848 12.144002 10.605987
## sample1621 5.213788 10.584709 14.058099 10.912442
## sample1622 10.377308 8.667814 10.331899 10.818892
## sample1623 11.334007 11.699612 8.877143 9.382870
## sample1624 8.931962 8.318618 7.998948 10.195006
## sample1625 5.519339 12.820189 8.272454 11.050755
## sample1626 9.558733 10.849067 10.941161 10.232606
## sample1627 9.955114 8.141414 10.839496 11.600733
## sample1628 6.915164 8.149653 11.366087 7.063625
## sample1629 8.631742 9.320756 13.097156 11.355227
## sample1630 11.377699 7.890186 12.279872 8.188587
## sample1631 11.697206 13.184496 9.607029 14.498003
## sample1632 8.251685 11.598134 8.856443 7.604358
## sample1633 9.190002 12.387220 9.037156 12.396734

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## sample1634 11.471794 9.361457 7.613670 9.629039
## sample1635 9.651202 9.409858 11.623317 8.787103
## sample1636 10.444837 12.123351 9.712623 12.057944
## sample1637 10.838924 11.420847 9.918602 11.818655
## sample1638 9.914795 8.240704 12.307377 11.127592
## sample1639 14.271342 11.009881 14.630843 11.154463
## sample1640 12.395289 10.421480 6.361727 11.952814
## sample1641 10.791903 8.493204 14.618961 7.398145
## sample1642 10.282655 8.228481 11.974946 9.931860
## sample1643 11.383152 12.342625 13.350661 8.239477
## sample1644 9.018584 8.668477 14.471534 10.891986
## sample1645 9.282193 14.361559 10.641435 8.068102
## sample1646 9.544898 10.009837 8.818745 9.318564
## sample1647 8.466614 11.691134 9.872145 9.336255
## sample1648 9.996618 7.601264 10.451782 7.554063
## sample1649 6.426598 7.902414 9.173127 9.070833
## sample1650 7.497008 10.159543 7.677669 11.736794
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## sample1652 10.475725 10.647112 12.039276 11.241867
## sample1653 10.452683 9.636242 6.359938 11.416589
## sample1654 11.486720 12.701730 7.071888 6.746624
## sample1655 10.373067 7.111810 10.305030 11.639950
## sample1656 12.784840 8.359703 10.934160 8.416092
## sample1657 9.770781 12.620223 8.624968 10.163608
## sample1658 11.375111 11.879880 8.709208 12.036220
## sample1659 10.597310 10.759761 8.845828 9.463270
## sample1660 7.887225 7.135699 9.597783 8.183059
## sample1661 8.939430 11.165782 11.068967 9.463236
## sample1662 11.291915 8.604744 5.898829 10.392258
## sample1663 12.089463 10.346051 10.827598 13.056309
## sample1664 6.694040 7.628588 10.359943 8.574736
## sample1665 12.797205 9.588247 9.707609 12.424719
## sample1666 8.357972 13.982215 9.780713 9.396145
## sample1667 12.840189 10.579196 10.061295 9.721963
## sample1668 7.126798 10.154267 8.807293 9.809666
## sample1669 11.119477 8.561324 15.073909 11.271392
## sample1670 8.202046 11.040854 9.828632 6.222612
## sample1671 12.704026 8.666449 9.964664 11.032895
## sample1672 13.409529 8.361564 11.746200 10.361671
## sample1673 9.465872 6.210320 7.813629 8.322952
## sample1674 5.818611 9.070503 12.339647 8.398154
## sample1675 9.452092 8.879911 11.510416 11.104354
## sample1676 13.930334 10.907823 8.091675 12.499686
## sample1677 8.811002 9.935170 9.870177 9.057472
## sample1678 9.033893 9.932355 11.244877 7.574995
## sample1679 11.172984 9.667948 9.323169 6.758982
## sample1680 13.552420 12.404855 5.295725 8.474320
## sample1681 8.536980 10.716077 12.568748 11.388414
## sample1682 6.163752 9.640489 9.795689 10.528915
## sample1683 9.966904 7.714827 11.807781 11.009023
## sample1684 10.606877 10.114280 6.161286 5.909792
## sample1685 11.606252 8.969111 5.224909 8.807207
## sample1686 9.684321 8.835364 11.397288 10.197900
## sample1687 9.986695 10.613031 10.917138 11.123295

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## sample1688 6.059873 6.054727 13.716952 7.290234
## sample1689 10.613586 9.719126 9.613303 7.053727
## sample1690 10.676666 9.281641 8.879109 6.557878
## sample1691 10.779550 13.943187 10.223269 5.127429
## sample1692 8.662229 7.787761 6.362300 10.133876
## sample1693 9.403286 12.353106 11.171915 10.821620
## sample1694 10.582971 13.916219 9.336083 9.994229
## sample1695 12.616625 7.952048 8.973533 7.908240
## sample1696 10.053079 12.533360 11.840529 9.704652
## sample1697 10.335422 14.022026 13.378005 11.754542
## sample1698 9.894330 13.526473 8.083699 7.857850
## sample1699 11.433826 8.173694 15.313459 9.123364
## sample1700 9.287261 6.935979 10.977676 8.522793
## sample1701 12.452892 10.118908 11.761738 9.640582
## sample1702 10.627214 9.905800 11.896080 11.680444
## sample1703 11.540548 11.085204 10.463179 10.981329
## sample1704 10.689258 7.829032 6.856698 11.144367
## sample1705 12.003244 11.448624 6.250273 10.441346
## sample1706 8.268456 5.838420 9.266309 11.051276
## sample1707 9.230182 10.195215 12.605056 9.688087
## sample1708 7.630636 8.757580 11.638552 9.089427
## sample1709 14.140783 13.946022 10.031090 11.422536
## sample1710 9.383204 9.327255 11.936948 11.472177
## sample1711 13.181483 13.184294 8.062349 7.855314
## sample1712 7.519433 11.238388 9.814751 9.164207
## sample1713 7.213494 7.275943 15.920562 11.029880
## sample1714 7.698167 9.611888 7.708022 9.494956
## sample1715 9.552152 8.456550 13.206713 10.229570
## sample1716 7.508706 5.876838 10.065320 9.565290
## sample1717 7.898728 10.264717 9.052646 8.105796
## sample1718 11.187784 6.963732 6.999206 11.731336
## sample1719 6.414334 10.672892 12.792220 11.033406
## sample1720 12.277369 11.932061 11.570842 13.100377
## sample1721 10.362990 12.035374 10.351905 10.186198
## sample1722 9.796354 7.295888 10.047738 8.547142
## sample1723 11.650317 11.385479 8.296084 11.379461
## sample1724 9.103094 10.453353 7.751308 8.112603
## sample1725 10.411240 9.473805 7.597518 9.003679
## sample1726 10.102699 8.790372 10.622015 9.568104
## sample1727 13.278128 9.132262 9.156743 12.301319
## sample1728 12.546208 10.324362 9.683098 10.483112
## sample1729 11.493028 10.160939 12.856996 5.827466
## sample1730 9.889384 10.604032 12.236158 12.188988
## sample1731 12.292204 10.156585 7.429253 8.220364
## sample1732 7.809937 10.665252 9.854687 10.878747
## sample1733 9.974146 6.074454 9.270018 9.631124
## sample1734 11.021347 9.354465 11.128348 9.471072
## sample1735 3.716699 11.483778 8.662966 7.797545
## sample1736 5.033221 10.488297 8.807004 12.315878
## sample1737 7.520006 7.334385 10.416760 13.609032
## sample1738 10.103969 10.961189 11.860935 12.246856
## sample1739 10.936421 11.181005 12.546627 12.920652
## sample1740 10.786030 7.580705 9.544786 12.974847
## sample1741 8.909390 11.854214 8.863959 9.167664

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## sample1742 10.209940 7.597944 11.210766 12.183874
## sample1743 6.593020 10.256027 10.148053 12.280674
## sample1744 11.753010 7.679368 10.449038 9.118106
## sample1745 8.228213 12.347161 9.594098 9.117163
## sample1746 10.235121 9.749729 12.417145 10.490444
## sample1747 7.921554 9.364916 11.268049 10.005693
## sample1748 7.382496 9.998076 10.618083 11.860858
## sample1749 10.880812 9.479763 9.526778 7.103791
## sample1750 6.776441 10.298452 12.142301 10.258544
## sample1751 8.385857 11.119959 7.328697 8.579431
## sample1752 5.282807 9.278644 11.836748 6.622181
## sample1753 7.022386 13.416740 11.085384 7.974804
## sample1754 11.412408 9.717602 10.920803 8.824571
## sample1755 6.875777 13.186076 9.902217 14.160360
## sample1756 8.725852 11.887062 8.648746 9.102829
## sample1757 10.095388 9.279986 10.710035 8.400988
## sample1758 12.733654 9.874413 7.408022 12.921299
## sample1759 9.856405 8.030305 11.777366 11.090197
## sample1760 13.225759 13.508953 11.625901 13.945967
## sample1761 12.345165 10.757491 7.675388 12.257378
## sample1762 11.270323 9.793923 7.009797 10.473156
## sample1763 9.330053 8.501246 11.953954 8.489056
## sample1764 10.113116 7.448608 9.096894 9.256253
## sample1765 11.570595 10.790929 10.095734 13.319840
## sample1766 9.130963 9.029703 11.725600 8.334934
## sample1767 9.842214 9.448695 8.246842 9.988462
## sample1768 13.275747 11.347766 8.820172 8.307045
## sample1769 7.149616 7.731289 8.496286 15.094925
## sample1770 8.555332 8.186428 12.764024 10.582051
## sample1771 15.176029 11.777114 12.226363 8.494667
## sample1772 10.771655 6.823994 10.236619 9.351620
## sample1773 9.852667 8.831755 8.003860 10.649979
## sample1774 9.915124 11.041275 8.041678 7.316071
## sample1775 10.852342 11.682166 7.549944 9.125020
## sample1776 5.475101 10.875875 11.033116 8.616024
## sample1777 12.001752 9.816875 9.575524 6.593940
## sample1778 10.125865 10.625109 12.115150 14.360935
## sample1779 13.061199 10.054932 11.800394 7.529078
## sample1780 8.626923 10.576445 12.238269 8.467278
## sample1781 11.381423 9.765479 10.368692 10.798034
## sample1782 9.060386 9.238581 10.883682 8.550475
## sample1783 8.339978 7.152113 11.252093 9.849191
## sample1784 9.621741 9.246392 8.177405 8.977807
## sample1785 8.032734 10.418136 8.772569 8.480254
## sample1786 6.442267 13.502964 11.069098 12.055813
## sample1787 7.597920 12.992210 10.295140 9.061503
## sample1788 8.766094 8.832341 11.089035 9.573943
## sample1789 9.237985 13.710085 5.912284 10.670372
## sample1790 9.295272 8.043409 7.869998 13.343068
## sample1791 14.626784 10.171357 9.356719 12.849882
## sample1792 8.541643 12.867930 8.824821 9.488230
## sample1793 6.493313 11.300911 8.795825 13.099358
## sample1794 9.160837 12.711610 8.244019 7.031408
## sample1795 11.063367 9.943738 9.737193 12.451278

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## sample1796  9.738142 10.488219 13.170043  9.926873
## sample1797  7.746598  9.884408 13.495824 10.934047
## sample1798  8.388124  7.173174 10.022910  7.771657
## sample1799 12.297445 11.642933  9.456909 10.267964
## sample1800  9.340322  8.152991  9.910310 14.074961
## sample1801 14.122109 11.779179 11.008904 11.354263
## sample1802  8.930470  9.770878  8.611931  9.597536
## sample1803 11.799110  7.713296  9.605916 11.180869
## sample1804 13.209936  7.995425 13.191143  9.551661
## sample1805  6.378651 11.452600  8.669189  7.006360
## sample1806  6.314385 11.753888 10.334205  7.224915
## sample1807 13.486899 10.262430 10.978030 11.565272
## sample1808 11.093092  7.496414  9.936371 11.295307
## sample1809  7.924343 11.398756  9.809918  9.885985
## sample1810 12.999566 10.035746  8.527941  6.133857
## sample1811  9.320283  8.206120  9.152913 11.646685
## sample1812 10.631062  9.347414  9.591604  8.705340
## sample1813 17.079762  9.022824 12.194543  7.864736
## sample1814 10.740216  9.674396 10.286231  7.904612
## sample1815 13.335776 11.493385 11.844794  8.662513
## sample1816  7.289479 12.455320  9.190360 12.064618
## sample1817 12.668051 12.715172  9.878196 11.767988
## sample1818  9.426112 10.145904  9.376629  8.923753
## sample1819  8.756015 13.484031 12.656608  8.172364
## sample1820  9.471957 11.543196 12.659433 10.526434
## sample1821  9.298836  9.768723  8.748710 11.286073
## sample1822 10.514076 10.112364  9.392507  6.881119
## sample1823 11.193276 11.215193 11.285379 11.965121
## sample1824  9.908278  7.280798  9.980698  9.447349
## sample1825 10.432915  9.677930  8.940902  8.439801
## sample1826 10.946691 12.201487  8.770114  8.427701
## sample1827 10.970661  9.422159  7.556991  4.056552
## sample1828 11.797299  9.755545  9.222474  8.137153
## sample1829 10.144901  5.796583  7.589222 10.192393
## sample1830 10.099764  8.549292  9.920518 10.801302
## sample1831 10.420144  8.368105 10.634384 10.357410
## sample1832 10.504081  9.520548 10.090485 13.856296
## sample1833 10.235158  6.227877 12.749037 11.276073
## sample1834  8.993071 11.330336  9.249827 10.186853
## sample1835 11.165469  9.729129 14.254166 11.135116
## sample1836  8.398526  8.440505 13.491939  8.500363
## sample1837  6.854530  8.598758 11.606550  8.415241
## sample1838  8.789679  8.495321 12.576939  9.930406
## sample1839  6.233499 11.156869  8.766263 10.809893
## sample1840 10.565892 11.918294  8.337321  8.789448
## sample1841 12.992596  6.629913 12.415736  9.570584
## sample1842  8.941367  9.964782 10.233432 10.567743
## sample1843 11.440001 13.696821 10.563922 12.956413
## sample1844  7.831279  9.776197 15.233929  9.117899
## sample1845 10.155132  9.127626 11.261273 10.410639
## sample1846 11.617882 13.939101  8.663736 10.789038
## sample1847 11.126133 12.114150  9.739800  9.429590
## sample1848 12.190350  9.928437  6.331351 10.128115
## sample1849 12.008097  9.537611 11.116455  7.189024

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## sample1850 10.676830 9.836791 6.858296 12.422421
## sample1851 8.275323 13.226952 9.274733 9.553976
## sample1852 10.689082 10.495370 9.719582 8.603225
## sample1853 9.148426 11.665667 8.171645 9.206359
## sample1854 12.785620 7.978668 11.274981 7.592897
## sample1855 11.928376 7.050684 10.836527 10.900914
## sample1856 11.147533 9.346003 12.578510 12.400914
## sample1857 12.092590 10.970692 11.232572 6.960423
## sample1858 12.732677 11.145846 8.702809 8.957348
## sample1859 9.318744 8.060173 11.273720 12.298659
## sample1860 14.603682 10.210160 11.776300 10.912043
## sample1861 10.068108 8.822664 12.277984 11.432835
## sample1862 13.488655 9.226340 12.518820 7.700571
## sample1863 9.984206 10.812892 7.452928 11.876823
## sample1864 11.766742 13.071884 10.318309 8.231946
## sample1865 10.378636 13.291943 9.119932 10.166549
## sample1866 12.874186 9.643929 9.200420 11.097622
## sample1867 11.136228 12.011822 11.537559 7.190309
## sample1868 12.326173 13.325198 10.955668 10.761305
## sample1869 7.808264 9.506917 7.992702 10.693446
## sample1870 9.898754 7.975303 12.200876 14.269297
## sample1871 10.424589 11.053429 7.816756 7.557876
## sample1872 10.295749 10.642040 9.602900 10.159869
## sample1873 8.355435 11.458846 7.917059 11.618264
## sample1874 7.602736 10.039981 12.433593 9.804763
## sample1875 12.971727 10.599859 9.326126 10.182858
## sample1876 10.226969 10.737806 12.428020 15.757893
## sample1877 11.919105 7.053138 11.508851 12.264091
## sample1878 11.210476 9.221011 3.854192 6.632870
## sample1879 11.949424 9.299923 13.316328 9.629256
## sample1880 11.278326 11.363138 11.525086 11.935573
## sample1881 9.555695 11.633805 7.575060 10.462357
## sample1882 10.618043 9.794896 12.009759 12.987124
## sample1883 12.198932 13.656787 12.511915 7.541519
## sample1884 12.017751 10.883081 9.517188 8.854250
## sample1885 10.093615 9.558755 9.922745 6.685364
## sample1886 12.286590 9.926063 11.619331 10.795880
## sample1887 13.762771 12.928581 13.551239 12.150163
## sample1888 9.147041 12.054778 8.440108 9.241028
## sample1889 13.603744 9.111382 8.039213 7.336159
## sample1890 8.999470 9.709751 8.121608 11.746137
## sample1891 9.354583 11.714327 7.965724 7.123919
## sample1892 9.804614 10.081304 13.588451 10.808666
## sample1893 7.888597 10.902664 10.279361 12.064664
## sample1894 11.318436 7.273140 9.502363 13.631463
## sample1895 12.958793 12.036658 9.258545 7.919181
## sample1896 6.506963 9.746176 9.420935 8.869816
## sample1897 13.511186 10.646751 8.751004 7.777952
## sample1898 9.373912 9.281051 7.427437 10.160536
## sample1899 11.362153 10.540254 5.840613 7.606997
## sample1900 10.697342 8.550668 7.889516 10.397091
## sample1901 10.945456 12.122667 9.642357 11.000100
## sample1902 11.049961 10.463605 11.629612 11.182359
## sample1903 9.804810 10.698638 9.011016 4.788861

```

## sample1904	8.569665	13.457531	4.767539	9.721416
## sample1905	7.083872	9.959355	10.611389	10.717811
## sample1906	8.361177	9.045076	9.125929	8.462853
## sample1907	10.137781	9.612879	6.322127	5.504177
## sample1908	7.111183	11.008275	12.494390	9.998326
## sample1909	11.237429	11.937973	8.145281	10.108573
## sample1910	9.814665	11.343225	9.925574	13.392693
## sample1911	9.441594	10.250843	11.002436	11.323794
## sample1912	8.052932	10.500816	8.426853	7.763540
## sample1913	9.563295	11.202842	10.656233	10.756222
## sample1914	9.524595	9.861725	8.088406	12.564543
## sample1915	10.730221	12.878769	6.309571	7.313551
## sample1916	6.381513	11.278047	7.550244	8.285116
## sample1917	9.879843	12.835841	11.290853	7.297466
## sample1918	7.911348	10.209707	5.762178	11.970514
## sample1919	10.733988	8.170950	9.271283	13.266270
## sample1920	10.165756	7.519282	7.626688	9.826335
## sample1921	10.407015	9.846149	10.585125	11.674261
## sample1922	11.798479	6.158935	6.017756	13.536029
## sample1923	9.071984	11.428012	10.335788	8.532519
## sample1924	9.639655	8.625201	12.010630	12.038323
## sample1925	10.583725	10.578393	9.999358	11.192331
## sample1926	10.896964	11.096079	6.584217	7.995701
## sample1927	13.599029	9.004378	10.009941	8.609646
## sample1928	9.280627	10.317988	7.974664	8.754851
## sample1929	12.009634	8.221356	9.692645	12.603521
## sample1930	11.024715	9.320655	9.812139	5.194847
## sample1931	7.764503	12.111698	8.655949	8.659113
## sample1932	7.131047	9.592097	11.412981	7.026354
## sample1933	10.325241	12.939743	11.381053	9.183149
## sample1934	7.899070	5.291206	11.782893	9.428208
## sample1935	9.071741	11.189717	11.467560	11.844879
## sample1936	6.880430	7.560264	13.420184	10.458208
## sample1937	14.150687	10.717973	10.476718	14.357781
## sample1938	10.216378	11.000884	11.671902	14.557625
## sample1939	6.627117	9.544437	10.353083	11.059060
## sample1940	11.359754	6.483450	11.568288	9.347497
## sample1941	9.929567	10.156761	12.796659	10.333625
## sample1942	7.040891	7.701364	11.337209	12.013514
## sample1943	12.200947	8.129924	7.349907	10.176752
## sample1944	10.551863	10.271438	7.488260	9.204177
## sample1945	10.379665	9.742645	11.992855	9.358053
## sample1946	13.475549	7.093275	6.974925	8.276772
## sample1947	8.113846	11.517291	8.439666	9.675952
## sample1948	11.378389	8.598689	8.351743	10.700766
## sample1949	10.090115	8.448782	11.703749	6.900802
## sample1950	9.168354	13.047758	12.581977	5.846793
## sample1951	12.013754	12.843841	8.931326	9.903196
## sample1952	8.173985	12.161393	9.267835	7.753261
## sample1953	8.235871	9.756466	10.206696	7.921335
## sample1954	7.084370	7.420892	6.736981	7.176410
## sample1955	7.987027	9.786912	7.897614	14.986691
## sample1956	5.624554	11.491812	11.167949	10.920560
## sample1957	7.999221	13.056508	8.667140	8.140098

## sample1958	10.884468	9.289464	8.652821	7.737834
## sample1959	9.202215	12.460506	10.123675	6.255340
## sample1960	9.719786	14.407328	7.603221	9.091424
## sample1961	5.525222	11.260365	8.442715	10.111041
## sample1962	8.717643	9.064801	12.241613	8.946674
## sample1963	11.183605	12.408272	11.216444	9.569015
## sample1964	14.031115	7.557312	11.756330	13.232936
## sample1965	12.248123	11.204193	11.786117	14.162803
## sample1966	6.852654	12.874413	10.774708	10.106339
## sample1967	10.308639	4.177717	6.900101	12.660319
## sample1968	10.538265	11.055800	6.109758	7.718699
## sample1969	9.538021	6.620920	7.796024	11.955063
## sample1970	11.096340	9.343304	8.324323	7.474562
## sample1971	10.704205	13.517686	7.486844	7.354520
## sample1972	10.025525	13.206690	7.827074	10.660492
## sample1973	7.458763	9.659463	11.070888	6.017273
## sample1974	6.768189	6.401718	7.284924	12.128057
## sample1975	10.698274	11.058402	6.281166	8.937386
## sample1976	9.663613	9.961489	4.309392	9.330511
## sample1977	11.172477	11.944741	12.710296	7.559590
## sample1978	10.478576	9.551352	7.987635	6.705136
## sample1979	4.733061	11.349754	9.155226	9.548686
## sample1980	6.883293	11.313086	8.606216	9.926091
## sample1981	14.693110	13.298435	13.379589	12.088480
## sample1982	10.078537	8.609016	9.927670	12.642452
## sample1983	6.817662	12.419138	9.802298	7.748300
## sample1984	8.567267	7.236127	9.051964	9.968184
## sample1985	10.779523	8.232379	10.614387	6.457452
## sample1986	9.425256	13.518558	3.912982	6.654499
## sample1987	8.586246	12.170430	9.971419	7.922951
## sample1988	11.444963	7.948919	9.416941	12.755735
## sample1989	6.638702	10.205732	11.440004	9.400723
## sample1990	11.292219	15.013336	9.731880	6.957447
## sample1991	6.804885	7.452603	13.326211	13.623407
## sample1992	9.196052	9.742835	10.117185	12.657605
## sample1993	11.005769	10.097014	8.664130	6.850038
## sample1994	11.250093	9.118224	9.074504	10.541607
## sample1995	11.824690	10.393464	10.961218	11.352714
## sample1996	12.218481	10.589779	14.217290	11.708108
## sample1997	10.296483	13.756545	7.970619	10.161014
## sample1998	12.481092	8.783215	6.241852	9.601307
## sample1999	11.851236	9.515969	8.237045	9.534921
## sample2000	10.577954	8.753133	8.101805	7.302490
## sample2001	6.215302	12.989733	6.933735	11.940621
## sample2002	12.585608	11.634656	7.987011	12.709642
## sample2003	8.763491	9.692050	13.855501	10.253503
## sample2004	12.081877	10.366681	10.900128	11.041112
## sample2005	12.351759	9.169929	9.390145	9.972094
## sample2006	6.996336	8.296592	14.298739	9.785520
## sample2007	7.346367	11.962466	9.581114	8.343631
## sample2008	11.770345	10.551692	10.372509	11.367285
## sample2009	12.001965	11.431569	11.880106	11.359800
## sample2010	10.689294	10.562629	5.512113	10.966872
## sample2011	10.886926	11.093040	7.476314	6.632323

## sample2012	9.276555	8.377696	12.864532	7.021188
## sample2013	7.729519	8.532901	13.200453	8.079660
## sample2014	6.262598	7.344348	11.639409	12.168975
## sample2015	8.240808	11.710457	9.569045	10.165375
## sample2016	11.203430	9.163283	10.463406	9.568428
## sample2017	9.971104	7.028030	11.671932	12.399794
## sample2018	15.654833	10.023284	6.302275	12.881843
## sample2019	9.805995	12.506513	8.108587	10.556815
## sample2020	11.631335	14.231583	11.224860	11.640075
## sample2021	7.468448	12.732808	11.922116	13.541083
## sample2022	12.430949	9.089595	10.858411	8.671095
## sample2023	9.655673	9.663568	11.226093	11.579708
## sample2024	10.833728	8.029456	10.869896	11.987904
## sample2025	11.634474	9.654354	7.833880	8.477536
## sample2026	15.857163	10.255407	9.775236	14.092240
## sample2027	8.098530	10.312852	9.099688	9.818268
## sample2028	7.852425	8.641336	10.127056	10.126473
## sample2029	8.794635	12.376204	5.761133	8.471661
## sample2030	14.147732	11.531129	10.539540	7.380872
## sample2031	11.916402	12.332685	8.564181	12.400402
## sample2032	10.226473	9.611923	13.268471	10.921411
## sample2033	13.147701	12.076943	12.409990	11.486426
## sample2034	12.110124	11.829319	10.065429	13.765209
## sample2035	13.117908	8.674070	9.980719	7.221645
## sample2036	10.110132	10.602083	14.377926	10.684699
## sample2037	9.547393	9.719699	9.272222	10.381356
## sample2038	9.791460	9.988686	9.872425	9.076357
## sample2039	12.062792	8.871583	8.210813	10.693517
## sample2040	9.071448	8.728888	14.229502	11.009914
## sample2041	9.266272	11.874229	9.858737	10.344037
## sample2042	7.261799	10.836977	9.682380	9.267374
## sample2043	8.935050	12.729190	12.546856	8.494828
## sample2044	10.583517	10.410938	13.763846	9.253312
## sample2045	8.969466	4.978640	9.353742	8.752479
## sample2046	7.367578	9.225990	7.388780	12.703826
## sample2047	10.580424	7.512176	7.428671	6.526055
## sample2048	10.863993	12.956817	8.039533	9.381347
## sample2049	4.717271	8.691249	13.493942	7.607268
## sample2050	6.892697	12.466013	14.318526	9.378618
## sample2051	12.033584	9.987531	14.374284	9.993756
## sample2052	11.855001	10.861568	10.847801	7.192198
## sample2053	9.968382	11.474982	13.040837	11.354771
## sample2054	14.264236	10.530730	9.286872	8.836953
## sample2055	5.683237	7.789353	8.252695	10.339151
## sample2056	7.480162	7.526574	10.847847	12.510805
## sample2057	13.154300	7.581213	9.863648	8.423435
## sample2058	10.914791	12.088085	11.114046	15.193918
## sample2059	8.832542	9.199491	9.048481	11.109081
## sample2060	7.715013	12.950812	12.259314	10.822597
## sample2061	10.846100	6.994692	8.736569	9.172997
## sample2062	9.498333	10.072947	13.999572	9.956457
## sample2063	8.607322	10.030789	15.393603	5.336271
## sample2064	9.369816	4.526948	10.760911	12.897280
## sample2065	11.442402	11.657874	9.889964	8.940701

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## sample2066 13.075329 8.541441 8.236406 9.110939
## sample2067 8.422446 12.759745 10.496874 6.774254
## sample2068 12.433169 9.277517 8.558890 7.157554
## sample2069 9.796959 8.126624 13.893770 13.334409
## sample2070 10.883546 6.381913 9.187229 14.321507
## sample2071 8.589973 9.645936 10.284994 13.058367
## sample2072 10.754049 11.910121 9.318894 7.387227
## sample2073 11.623979 7.809692 9.570892 12.299522
## sample2074 6.434335 11.715250 9.720083 10.539370
## sample2075 9.089038 8.444553 10.373260 9.369519
## sample2076 8.814038 10.076558 9.099861 7.101156
## sample2077 10.700414 9.606791 13.215843 5.606692
## sample2078 12.000740 9.615687 8.325108 17.531573
## sample2079 12.432713 10.214632 8.062438 13.038832
## sample2080 12.511230 8.739199 8.332067 12.107745
## sample2081 9.629669 10.039606 12.288413 10.346246
## sample2082 9.966117 10.719479 9.105777 9.706371
## sample2083 14.057053 12.621608 7.884047 12.757234
## sample2084 11.882135 8.320021 8.852600 8.506026
## sample2085 9.785071 12.226689 10.687360 10.595052
## sample2086 11.879085 8.236571 7.911410 9.264286
## sample2087 8.870412 15.699456 9.357988 6.855198
## sample2088 10.375202 5.521638 7.361572 13.020123
## sample2089 8.969561 11.029644 9.060741 10.472129
## sample2090 10.157575 10.353074 6.861095 9.156590
## sample2091 15.615084 6.476263 12.094518 9.680774
## sample2092 11.679648 9.343521 5.885628 8.901622
## sample2093 10.099736 13.662595 6.004472 11.941271
## sample2094 9.625982 7.685535 9.717433 7.382758
## sample2095 7.226532 12.026676 8.771397 6.992315
## sample2096 7.699959 11.875293 11.855955 9.549745
## sample2097 11.128737 11.331369 7.162229 7.444342
## sample2098 9.301842 11.495751 9.680404 13.967617
## sample2099 8.575991 11.433449 11.311614 7.654691
## sample2100 8.634245 12.673454 10.766270 9.216136
## sample2101 10.937534 7.846400 10.910714 9.721900
## sample2102 12.465920 13.837671 10.898943 9.454786
## sample2103 6.916684 10.031277 10.746987 11.654392
## sample2104 13.978984 6.469821 11.578686 10.283947
## sample2105 10.489961 10.513882 10.208593 9.867782
## sample2106 11.582714 7.163306 11.849332 6.508912
## sample2107 9.791247 11.529484 11.663231 11.927557
## sample2108 12.798046 8.493573 11.690672 12.353171
## sample2109 11.675053 6.753206 9.075063 10.873065
## sample2110 10.867818 5.522528 9.092822 7.523814
## sample2111 11.342543 12.116750 10.395656 8.402377
## sample2112 10.030184 10.414044 10.407611 9.369265
## sample2113 8.337645 7.882669 9.036018 8.726218
## sample2114 10.939266 11.199124 12.057405 9.086205
## sample2115 10.280592 10.984245 9.072871 8.826030
## sample2116 10.408144 11.849853 12.310022 6.993780
## sample2117 9.164607 11.631613 15.769475 10.280660
## sample2118 10.595966 10.880915 10.668448 7.607253
## sample2119 8.698320 8.139115 13.356446 7.671270

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## sample2120 8.354454 12.585178 13.474969 10.231706
## sample2121 8.082203 8.676993 5.802848 6.566719
## sample2122 11.532720 11.528393 8.565726 7.981011
## sample2123 10.568894 13.210022 10.616875 5.632104
## sample2124 11.371875 14.387453 9.200904 10.333764
## sample2125 10.204890 14.334669 11.273076 11.044133
## sample2126 14.642561 11.433964 8.987516 11.139222
## sample2127 12.184890 10.911909 8.566046 11.108469
## sample2128 9.378467 8.442169 11.846732 7.709569
## sample2129 13.932787 6.642818 9.465112 11.512242
## sample2130 13.452703 11.620739 9.860249 10.282463
## sample2131 12.391096 9.608202 6.998259 10.031754
## sample2132 10.953219 12.936422 10.568846 8.607203
## sample2133 7.382008 11.856606 10.966580 9.886485
## sample2134 8.932735 9.455861 9.746955 9.209232
## sample2135 10.347121 11.777593 8.379383 11.262311
## sample2136 10.169880 12.259521 8.541800 13.213552
## sample2137 15.309584 11.325941 14.068128 7.619912
## sample2138 11.250282 8.444538 12.885322 9.648058
## sample2139 4.320383 14.114703 10.315401 14.357643
## sample2140 8.616246 10.833906 7.003818 11.316207
## sample2141 11.320239 10.154514 12.122147 10.009110
## sample2142 5.915833 11.182421 11.029869 11.519984
## sample2143 8.971086 6.536237 13.102951 11.405774
## sample2144 7.936507 10.713495 12.293704 5.614573
## sample2145 8.430493 6.882894 8.116302 8.657801
## sample2146 9.021293 8.018513 10.447524 10.786594
## sample2147 9.723567 10.012510 6.861589 10.092185
## sample2148 8.947450 13.148790 5.556035 8.790114
## sample2149 9.387515 11.671353 11.442690 11.651897
## sample2150 11.390307 11.332064 7.416914 10.116919
## sample2151 12.959981 10.722734 12.621681 5.553591
## sample2152 6.958004 8.179057 7.440413 6.019799
## sample2153 9.168894 8.479312 9.114922 6.098206
## sample2154 7.149270 13.860793 12.044464 11.149401
## sample2155 10.871311 6.087101 8.798831 12.612256
## sample2156 12.764569 9.725782 8.977146 8.079262
## sample2157 8.135523 9.735418 11.475708 11.063081
## sample2158 7.555990 5.201597 9.940098 8.541916
## sample2159 10.652890 8.920383 9.682049 8.077865
## sample2160 7.947990 9.939556 10.779361 10.288868
## sample2161 10.564041 7.248541 11.339247 10.220346
## sample2162 10.864989 9.932553 9.361642 9.900060
## sample2163 10.838406 12.477267 11.895820 10.048267
## sample2164 10.742899 6.922578 9.069705 12.621398
## sample2165 11.104978 10.259327 7.570130 13.178777
## sample2166 8.470434 12.244917 10.989124 10.443966
## sample2167 11.321971 10.552349 11.194352 7.059061
## sample2168 7.862596 10.195147 8.940880 11.509162
## sample2169 8.751166 7.876730 6.224065 8.708506
## sample2170 10.307994 9.155554 7.996404 7.857360
## sample2171 11.845248 10.333816 7.949328 11.981579
## sample2172 11.638416 10.407116 8.879556 10.486460
## sample2173 8.357254 11.715930 9.443283 12.591566

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## sample2174 8.471729 10.471063 13.375009 12.029535
## sample2175 10.874212 12.193965 10.954709 8.534428
## sample2176 10.352827 12.944359 8.875296 9.981732
## sample2177 9.238817 8.475905 10.630574 10.855437
## sample2178 11.157005 6.394589 12.409891 10.469274
## sample2179 7.751407 10.958322 7.639224 11.686771
## sample2180 9.622991 9.947230 12.171505 8.693952
## sample2181 10.591732 7.906480 8.446320 14.080293
## sample2182 8.054238 8.551469 10.034214 9.341070
## sample2183 11.691990 6.496565 7.983254 10.408868
## sample2184 14.926031 7.987554 12.171590 13.094819
## sample2185 9.659154 8.676410 9.343952 9.877277
## sample2186 11.038258 14.578784 12.122237 11.887981
## sample2187 13.576111 5.871894 12.727856 9.072791
## sample2188 10.964128 6.711643 9.202343 9.866302
## sample2189 9.221799 11.394992 8.533604 8.442225
## sample2190 11.418907 10.101895 13.252338 9.191560
## sample2191 9.107719 11.425789 8.743227 8.657798
## sample2192 7.376801 9.021892 7.169247 7.322932
## sample2193 9.411058 10.772001 13.195493 8.038699
## sample2194 8.988434 9.871955 11.275821 11.567563
## sample2195 13.114526 9.651314 9.119484 7.334530
## sample2196 9.920896 7.849950 7.857550 10.160930
## sample2197 12.942528 12.944127 8.764532 9.409053
## sample2198 12.023433 10.345303 11.235574 12.994501
## sample2199 6.947321 7.852217 14.116794 6.587563
## sample2200 9.305785 10.780577 6.407725 11.977016
## sample2201 9.262239 8.698034 10.873574 6.476964
## sample2202 9.544573 9.681011 13.318278 9.992950
## sample2203 10.271181 14.675992 8.587215 7.145439
## sample2204 8.651695 4.464128 10.020330 10.380910
## sample2205 7.203913 10.693047 9.680813 9.128221
## sample2206 10.309882 7.741159 10.769161 13.056795
## sample2207 10.324799 9.712359 11.611926 10.559352
## sample2208 12.413522 12.179883 11.316208 9.656795
## sample2209 12.925279 10.149626 7.674779 9.264501
## sample2210 9.815451 11.140357 12.037857 14.915042
## sample2211 11.111777 7.485393 6.633297 13.680046
## sample2212 10.668512 10.181012 8.188287 7.341959
## sample2213 9.516343 10.376488 10.058358 12.353209
## sample2214 11.509979 12.085011 6.598525 11.396747
## sample2215 10.679840 10.424664 6.367740 10.535725
## sample2216 9.044411 10.920598 10.268366 7.388173
## sample2217 7.859193 11.558707 6.671045 8.735147
## sample2218 12.597191 10.376708 9.220662 9.868236
## sample2219 8.322999 5.589175 14.509159 6.313790
## sample2220 8.689926 11.872543 8.784634 7.501039
## sample2221 12.864859 8.687378 9.608021 7.545628
## sample2222 9.288194 11.494582 8.244599 10.588108
## sample2223 10.696802 9.136941 14.164107 8.928888
## sample2224 11.003874 11.507793 9.952940 8.487656
## sample2225 10.450822 7.214006 7.941284 11.530968
## sample2226 10.942122 11.823671 8.191545 9.455041
## sample2227 8.012484 9.936335 9.138087 9.151843

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## sample2228  9.820986 12.657844  8.937601 10.883191
## sample2229 10.988869 12.379770  8.226489  9.132987
## sample2230  9.002742 10.133766 10.848826  6.930003
## sample2231 13.619384  9.050482 12.536748  9.979436
## sample2232  9.563274  8.616093  9.412654  8.888524
## sample2233  8.567372  8.626456 11.106117 10.477833
## sample2234  8.118980  9.574837  9.401210 11.494589
## sample2235  9.826021  7.281851 13.267797  8.599288
## sample2236 11.682016 12.276535  7.377308  9.025390
## sample2237 10.216448  9.030648 10.170266  7.824086
## sample2238 13.507157 10.485115  8.595191 12.912905
## sample2239  8.300401 11.418649  5.590252  6.789111
## sample2240 13.506681  8.242754  9.573252 11.651793
## sample2241  2.907277 11.826741 11.201676 10.402790
## sample2242 10.123932  9.883883  6.926756 13.974151
## sample2243  7.555193 11.723319  9.319565  9.264165
## sample2244  6.559048 12.648674  9.495447  7.641902
## sample2245 10.940195 10.169972  8.583647 10.860823
## sample2246  9.943343  4.655631 11.882854 12.386905
## sample2247 11.831737  8.725638 10.596223 12.375369
## sample2248  9.717627 11.825787 12.611193  5.214762
## sample2249  6.894228  8.765923 10.819850 12.367157
## sample2250  6.013189 10.183397  7.641127 10.038445
## sample2251 13.049443  9.434916  9.914445 10.631189
## sample2252 10.809199  9.840348  7.807870 10.817916
## sample2253 11.308160  8.957561  7.798429  5.335422
## sample2254 10.485868  9.935898  9.003323  9.869767
## sample2255  7.408429  9.927915  7.176127  8.876389
## sample2256  6.431490  9.153068  9.353104  9.847735
## sample2257  9.688868  9.031886  9.258400 10.747927
## sample2258  7.705715 11.010911  9.361190  9.854555
## sample2259  8.894247  6.860137 12.934270  9.335635
## sample2260 10.035181  9.876753  9.017321 10.904869
## sample2261 13.358149 12.336513  9.362996  9.127897
## sample2262 12.020530 10.296488 13.026918  5.893477
## sample2263 12.988112 10.677890  7.465520 10.071042
## sample2264  8.443077  9.363503  8.373517 11.477659
## sample2265 12.457195 13.851940 11.698443  7.329802
## sample2266 12.890170 12.718411 10.745632  7.017509
## sample2267  9.377662  8.103322  7.537394  8.140186
## sample2268  9.930676  9.502938 13.221702 12.966651
## sample2269 11.283251  9.929055 11.281893 11.241014
## sample2270 11.931653 12.804478 10.499976  9.495677
## sample2271 11.084836 11.492656  9.627327 10.099133
## sample2272  9.427198 12.099422 11.497628 10.191787
## sample2273 10.671727 10.930773  8.254392 10.813685
## sample2274 11.860750  9.765799  9.007156 13.599415
## sample2275  7.647444 11.594875  9.333359 13.740245
## sample2276  8.191284 13.165420 10.183232  8.110412
## sample2277 11.114240  8.645020 11.664636 16.067732
## sample2278 12.358099 12.039215  8.738938  6.479061
## sample2279  9.597947 10.623290  9.354195  9.862878
## sample2280  9.722731 14.000287  7.093048  7.839150
## sample2281  9.173990 12.616900  9.102905  7.053479

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## sample2282 11.634746 10.826844 14.821874 10.541661
## sample2283 7.676540 10.180126 10.476381 10.645939
## sample2284 8.892150 11.282913 12.738360 9.994946
## sample2285 8.259729 9.320863 7.357785 6.039888
## sample2286 12.468602 9.955122 12.070236 7.426523
## sample2287 13.835503 11.914644 11.253293 11.413299
## sample2288 14.155955 6.090285 5.684693 5.589836
## sample2289 12.941409 9.954947 6.685821 10.504530
## sample2290 10.923411 11.429666 7.470465 10.157836
## sample2291 9.240640 8.518759 12.708860 10.005280
## sample2292 14.142408 15.711766 13.044588 12.673093
## sample2293 12.105675 9.256034 11.713332 8.086699
## sample2294 12.103249 6.422802 11.850172 9.274419
## sample2295 6.204785 6.653431 12.993825 5.965841
## sample2296 11.703938 9.324127 14.302447 11.243606
## sample2297 10.870982 9.834618 13.267740 8.620565
## sample2298 12.076995 6.454280 9.751659 10.568655
## sample2299 9.811892 12.784585 7.665471 11.936160
## sample2300 7.020611 6.621454 8.191108 7.386176
## sample2301 7.985969 10.956131 11.617626 6.375925
## sample2302 7.660954 11.951201 8.774413 7.957815
## sample2303 12.685529 11.671974 8.097966 10.457184
## sample2304 13.744430 9.078406 11.443895 10.576733
## sample2305 13.889870 10.428886 13.167421 12.815101
## sample2306 9.242937 12.623656 7.778288 13.305136
## sample2307 11.802131 7.783599 8.482395 9.504250
## sample2308 8.046713 10.715501 14.197189 7.423913
## sample2309 8.772139 8.593525 10.586219 8.414425
## sample2310 10.552154 9.986418 12.661072 8.111125
## sample2311 8.855539 8.222188 9.501747 11.863644
## sample2312 13.018812 6.250393 10.167378 9.732540
## sample2313 9.746000 12.114194 9.137682 9.397891
## sample2314 12.074741 13.465009 12.061686 8.117325
## sample2315 8.508083 14.142567 9.175675 10.557072
## sample2316 11.085308 5.990264 14.401514 7.844544
## sample2317 11.597628 12.495537 6.784190 8.832439
## sample2318 10.632234 10.295828 12.012464 12.502572
## sample2319 7.601704 10.479580 7.971431 12.697097
## sample2320 9.890397 7.535384 11.093169 10.058974
## sample2321 10.522283 12.652490 12.819560 11.524226
## sample2322 9.205497 11.903628 11.355741 10.530964
## sample2323 8.180052 9.886244 10.287984 15.450315
## sample2324 16.492033 9.492295 10.909226 13.374629
## sample2325 7.045320 8.007752 7.797911 7.668328
## sample2326 11.381154 11.125223 10.668837 10.033804
## sample2327 10.370664 9.962539 8.964919 10.238731
## sample2328 11.448061 8.874922 9.455602 5.250895
## sample2329 10.804544 9.763166 7.155424 14.137452
## sample2330 12.468296 9.680450 10.171687 12.194774
## sample2331 9.840079 9.441348 7.275537 8.807759
## sample2332 11.067129 10.875221 13.798707 10.934374
## sample2333 10.826011 13.038234 9.814772 8.019112
## sample2334 10.703088 10.106388 9.514269 7.879983
## sample2335 6.901989 9.962282 11.224031 10.004531

```

## sample2336	9.431791	9.842865	10.210978	9.467316
## sample2337	9.970439	12.135976	9.277003	13.228009
## sample2338	10.563590	7.806630	9.393635	9.199325
## sample2339	12.248992	9.706899	12.952640	7.238455
## sample2340	7.298869	10.869874	9.407655	9.018817
## sample2341	10.402502	8.383390	5.356189	9.755380
## sample2342	6.373298	10.982673	12.062931	9.713697
## sample2343	8.091710	10.849192	10.565583	10.022485
## sample2344	7.353577	8.079554	12.073576	6.939530
## sample2345	6.599791	8.491758	13.087910	5.540847
## sample2346	7.730274	12.598104	14.386182	9.704714
## sample2347	9.624677	9.179954	11.656749	9.769598
## sample2348	11.443538	8.862351	11.476805	9.780779
## sample2349	10.890622	8.219473	8.147839	8.288025
## sample2350	9.183052	7.297897	7.005701	10.421771
## sample2351	9.961709	9.109421	10.250176	9.976032
## sample2352	7.402531	9.461599	11.170560	10.087200
## sample2353	13.079040	7.832947	12.205168	7.600412
## sample2354	6.890010	9.288868	11.242297	12.573573
## sample2355	9.245756	7.894631	9.874060	11.881951
## sample2356	12.829508	10.290140	10.057458	7.420391
## sample2357	10.786834	10.973064	8.454304	6.509638
## sample2358	11.873004	8.280526	10.248187	10.299259
## sample2359	7.651551	12.961369	8.564474	9.673270
## sample2360	11.029663	9.012958	10.677932	12.092469
## sample2361	8.444780	12.112935	9.553522	12.438865
## sample2362	13.341186	10.822022	11.871721	7.139625
## sample2363	6.322479	11.699913	11.683895	9.316411
## sample2364	11.082366	13.668217	6.293932	9.169049
## sample2365	10.172631	7.430551	10.951703	9.602235
## sample2366	10.737475	8.882163	11.439914	12.289204
## sample2367	9.153039	10.482038	14.733702	7.703224
## sample2368	10.068210	8.103863	10.217780	10.911956
## sample2369	11.083872	8.950039	7.701237	8.634164
## sample2370	10.281682	10.634552	11.897362	10.841105
## sample2371	10.457859	9.186976	11.653248	10.220227
## sample2372	9.050489	8.916230	10.003723	10.952465
## sample2373	12.234597	10.582518	12.805856	8.151177
## sample2374	7.892448	12.522964	10.354085	9.852968
## sample2375	11.798481	9.842753	11.100787	6.379242
## sample2376	11.682400	12.347057	11.354903	9.357183
## sample2377	12.756985	8.732948	9.844671	14.543217
## sample2378	9.926297	9.061404	8.398144	13.316733
## sample2379	11.484319	13.627626	9.313089	6.765058
## sample2380	7.533566	10.110467	11.433297	10.348433
## sample2381	8.063667	12.564734	6.794961	11.367920
## sample2382	9.616601	9.943584	11.234224	7.453193
## sample2383	10.064698	15.520429	12.693782	4.897509
## sample2384	9.168393	13.072987	10.155158	9.626833
## sample2385	12.089378	12.529486	8.343873	11.502780
## sample2386	4.083068	9.037165	11.130103	13.116376
## sample2387	8.938195	8.732281	10.730483	11.491429
## sample2388	7.545608	9.935731	8.517962	8.535358
## sample2389	10.988957	11.927092	13.066817	11.530791

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## sample2390 11.461760 11.551528 8.332939 11.245341
## sample2391 10.536380 10.102536 9.437244 7.201610
## sample2392 8.101457 9.238597 9.761875 6.136186
## sample2393 13.066063 9.794935 10.945730 9.194684
## sample2394 7.159513 13.457401 7.296403 6.958764
## sample2395 11.255186 7.614384 10.634644 7.638092
## sample2396 9.095962 11.052977 10.947336 12.389321
## sample2397 8.675978 10.842024 12.630411 8.174668
## sample2398 10.672514 9.327853 9.261808 11.537807
## sample2399 10.704290 8.848397 11.691391 8.696565
## sample2400 6.830031 6.417726 12.643213 5.810498
## sample2401 7.525157 7.891282 9.033673 7.041037
## sample2402 10.994189 9.320092 8.255563 10.181146
## sample2403 12.305207 8.707188 11.796368 8.324596
## sample2404 9.446869 11.318968 8.323481 15.937428
## sample2405 7.343924 8.316832 12.779495 8.962974
## sample2406 10.094487 8.500431 10.440671 12.541086
## sample2407 7.546770 12.223537 9.505369 12.944211
## sample2408 13.109790 6.770826 10.761128 9.639148
## sample2409 11.005250 13.905822 11.475790 5.874579
## sample2410 11.090247 6.725547 9.399870 7.940918
## sample2411 11.769541 8.801452 14.011810 12.121808
## sample2412 10.003959 10.848198 9.932724 12.059044
## sample2413 12.388250 10.504458 8.813177 9.473284
## sample2414 11.655052 10.248792 8.335162 6.557498
## sample2415 11.417788 8.502955 10.112979 7.640459
## sample2416 11.737271 8.552761 8.938631 13.501184
## sample2417 10.949059 9.250610 7.346839 7.476885
## sample2418 9.929659 11.933875 9.306595 11.146481
## sample2419 8.062979 7.352494 5.446306 7.857118
## sample2420 12.036322 8.473440 9.840624 9.738597
## sample2421 9.561176 6.509249 9.725147 10.462922
## sample2422 10.253642 13.133249 8.673435 9.110268
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## sample2425 8.031508 7.954837 7.764912 12.614486
## sample2426 13.462883 9.684341 8.781278 9.520680
## sample2427 9.082352 10.815000 9.186017 11.164080
## sample2428 9.565856 9.155700 4.967657 7.410180
## sample2429 11.348015 10.126893 9.731899 9.618952
## sample2430 11.663801 11.528534 11.841898 8.710284
## sample2431 12.556288 7.415715 5.658507 11.444237
## sample2432 14.002567 12.373314 7.688137 9.850212
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## sample2434 11.006563 8.647066 8.898926 7.840925
## sample2435 8.559335 14.871588 9.388487 11.476918
## sample2436 12.554797 9.784464 7.419039 9.597186
## sample2437 10.631749 8.649738 15.047256 8.073547
## sample2438 9.419371 13.702389 9.172197 11.554029
## sample2439 9.019336 11.223385 10.165520 10.247437
## sample2440 12.885952 6.750150 6.439903 7.860485
## sample2441 12.163690 10.773361 7.788946 10.207894
## sample2442 10.071144 9.565934 10.150307 10.692552
## sample2443 10.905991 10.072260 7.931568 10.607606

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## sample2444 9.854847 11.295005 10.782143 8.485092
## sample2445 9.809331 8.970059 6.868852 7.328042
## sample2446 10.167856 9.606598 10.128082 13.395920
## sample2447 9.015873 12.431207 7.623060 9.390032
## sample2448 9.711658 14.618720 12.440107 10.623975
## sample2449 6.561566 10.496289 11.155603 13.001331
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## sample2456 13.118163 8.262268 9.529351 9.442734
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## sample2466 9.352994 8.267852 10.450270 12.528575
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## sample2469 7.338334 8.506611 12.259190 8.832164
## sample2470 6.105233 12.221446 11.095470 9.690526
## sample2471 9.834900 11.332574 8.670876 10.161996
## sample2472 9.871233 8.610516 6.010219 12.138814
## sample2473 13.199393 9.341164 9.458375 8.974449
## sample2474 9.728534 10.879120 11.085663 12.293036
## sample2475 7.949603 11.856817 10.402733 6.909608
## sample2476 10.079966 9.470171 7.641687 7.028218
## sample2477 8.611166 15.537468 12.222258 9.663632
## sample2478 7.824042 5.764866 11.513707 10.839520
## sample2479 12.413363 8.334419 5.623816 11.305314
## sample2480 6.350633 6.861526 4.346340 5.978452
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## sample2482 9.491007 5.999138 9.740142 13.613605
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## sample2490 10.116780 9.788589 10.849683 9.884440
## sample2491 16.586549 10.172376 6.370374 10.192499
## sample2492 10.560177 11.915542 12.971084 10.023347
## sample2493 8.434196 8.936050 7.071804 9.168570
## sample2494 6.828028 11.224755 7.124565 8.873097
## sample2495 7.231753 12.850785 6.762274 11.949035
## sample2496 12.659118 7.671979 11.843992 5.982400
## sample2497 8.781931 7.078956 8.539874 10.245708

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## sample2498 12.178215 12.109165 7.620538 11.652636
## sample2499 9.721234 11.491622 11.094764 9.555752
## sample2500 11.790614 13.211508 7.966140 12.629315
## sample2501 8.091294 10.931294 9.704124 12.619029
## sample2502 7.183701 10.949426 8.223213 10.262237
## sample2503 11.083568 8.423848 6.942582 9.457120
## sample2504 7.513522 7.505926 9.564370 11.362118
## sample2505 5.928741 8.504046 11.926238 12.476952
## sample2506 10.049399 9.714396 5.986115 8.460811
## sample2507 9.041815 11.503747 10.770842 9.451616
## sample2508 10.801019 10.434798 11.590094 10.195682
## sample2509 10.371111 11.945441 8.924494 11.154123
## sample2510 12.895403 11.778894 9.778415 11.579042
## sample2511 11.565632 4.896960 9.189240 8.571900
## sample2512 10.182563 9.745198 8.342851 8.354966
## sample2513 12.543260 11.713640 9.722955 11.116117
## sample2514 9.022738 11.044571 10.034430 10.246513
## sample2515 13.043701 9.621210 11.475156 13.812269
## sample2516 10.937763 11.604327 9.549675 9.315072
## sample2517 11.028591 12.245120 9.352546 8.701201
## sample2518 13.188796 8.269846 8.885557 11.091408
## sample2519 14.491509 9.995591 5.612889 10.106796
## sample2520 12.200071 9.539240 9.166257 10.067517
## sample2521 12.789836 12.178227 6.690462 9.918823
## sample2522 9.789683 10.572698 8.522904 7.603254
## sample2523 7.905505 8.828576 11.525232 7.690745
## sample2524 10.780120 8.659999 9.734137 14.143812
## sample2525 11.458100 10.734979 11.522598 9.309953
## sample2526 12.790428 10.387637 9.542472 12.457030
## sample2527 11.526626 11.124142 10.340072 12.147959
## sample2528 11.136828 13.523611 10.844593 8.893765
## sample2529 8.216646 8.920070 12.599871 12.341464
## sample2530 10.940364 11.181056 6.704684 11.612598
## sample2531 11.238688 10.443985 9.387183 9.159455
## sample2532 14.837998 14.223407 9.282578 7.793675
## sample2533 13.060573 8.113296 10.719201 10.293532
## sample2534 13.296976 8.195641 12.159899 6.014002
## sample2535 9.287726 10.054468 12.301766 10.229847
## sample2536 10.635257 13.822043 9.007697 8.215698
## sample2537 10.982762 10.409706 7.082835 8.701077
## sample2538 10.698302 9.444729 11.111170 11.087592
## sample2539 11.481076 13.360365 12.612365 8.961921
## sample2540 11.642128 9.543819 12.418091 7.493265
## sample2541 13.044325 11.714139 7.188090 7.960081
## sample2542 8.123376 13.227776 10.102420 7.058246
## sample2543 10.824366 10.610884 9.449816 10.091705
## sample2544 7.912323 15.492809 9.585867 11.357170
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## sample2546 8.259918 7.748897 10.638835 11.175178
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## sample2548 13.835087 12.950784 11.796050 10.948653
## sample2549 8.705712 10.091566 11.582278 8.754389
## sample2550 9.980857 8.786388 7.866610 7.463530
## sample2551 8.181412 11.322271 13.034029 11.773383

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## sample2552  6.578929 12.402845 10.696723 12.537378
## sample2553 11.313516 10.995916  9.034855  8.484384
## sample2554 12.529739  6.614655  8.652595 13.045411
## sample2555 14.533043  9.603841  7.940118  6.660717
## sample2556  8.375998 11.226346  7.691569  9.745163
## sample2557 11.729933 12.196162  9.500199  7.954142
## sample2558  8.545839  8.085771 11.550536 10.526842
## sample2559  7.734370  6.936037 10.236821  9.643825
## sample2560 11.996491 12.670472  9.903982  9.608422
## sample2561 11.159948  6.937776 11.074188  9.093363
## sample2562  9.192199  7.825402  7.695805  9.224219
## sample2563 11.654286 10.923246  9.036108  8.934143
## sample2564  9.231042 10.202496  9.786205 13.063417
## sample2565  8.793771 11.888440  6.766165  8.053803
## sample2566 11.855813 11.643800  8.383577 10.116085
## sample2567  9.938042 12.134178 10.317026  6.733015
## sample2568  9.502920 10.414680 10.735740  7.341232
## sample2569  9.244413  4.742807  8.324918  9.436089
## sample2570 10.484101 11.533363  7.719995  8.755819
## sample2571 10.906029  7.766749  9.201163  2.832657
## sample2572 13.705034  9.835514 13.257378  9.802507
## sample2573  9.517597 11.407353 12.413600 11.062811
## sample2574  7.336794 12.160404 12.375044  8.592478
## sample2575  7.726921 10.231222  8.611266 12.645754
## sample2576 13.051516  9.523393 10.932687 10.418413
## sample2577  7.304689  8.436965  9.413285 11.579445
## sample2578 10.012820  6.506083  7.657191  9.819087
## sample2579 10.870524  6.243365 14.773290  9.388662
## sample2580 11.397470 11.447837 12.058068  7.789814
## sample2581 11.611210 11.019014 11.073596 12.992331
## sample2582 10.028632 13.026892  9.695723 11.450829
## sample2583  8.452507 11.446002  6.540724 10.974277
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## sample2585 10.617150 10.027751 11.049756  8.986208
## sample2586 12.016153  8.267451 10.602875  6.389697
## sample2587 10.641091  6.988464 14.450126  9.376236
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## sample2590  9.955182  9.863584  7.319356 10.397436
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## sample2599  8.532532  7.426688  9.873035 11.916795
## sample2600  9.785727  7.281697 12.092487 11.894418
## sample2601 11.159003  9.053666 11.488001  9.688662
## sample2602 10.507501  9.920072  8.512699  8.416613
## sample2603 10.536190 13.537467  7.698544  9.248755
## sample2604  8.891957  9.502093 13.411917 12.515450
## sample2605  7.419778  6.818599  5.805636  9.262345

```

## sample2606	7.458214	7.414998	8.791237	12.768477
## sample2607	7.411246	7.704816	8.827779	10.686526
## sample2608	9.309101	11.710671	10.197443	7.960358
## sample2609	8.547711	11.270422	9.921160	9.022900
## sample2610	7.267417	9.897816	7.717433	12.867805
## sample2611	10.218870	11.657243	8.720327	10.135729
## sample2612	10.721304	9.508046	10.370488	8.664406
## sample2613	10.063458	9.797947	11.665228	11.273441
## sample2614	10.325143	10.925902	10.375301	5.782997
## sample2615	10.995948	8.331540	10.884472	8.325506
## sample2616	9.466584	10.990975	11.622200	11.153083
## sample2617	7.533429	11.279817	10.279754	8.715056
## sample2618	8.769014	8.416002	8.450545	10.451309
## sample2619	7.684109	9.291175	11.348065	10.709382
## sample2620	14.283041	11.461487	11.523948	7.036487
## sample2621	10.507894	7.549746	9.477549	14.389480
## sample2622	5.686500	9.907944	8.122115	11.358297
## sample2623	11.123160	10.946773	12.730803	12.426114
## sample2624	10.364992	13.005558	6.881071	9.491954
## sample2625	9.693898	10.201523	8.968842	7.201802
## sample2626	10.240785	11.530128	11.648006	10.820721
## sample2627	10.276316	7.690169	8.858836	7.988512
## sample2628	8.678648	10.920402	12.235561	12.934153
## sample2629	12.756077	9.800617	8.891787	11.994817
## sample2630	4.321135	8.814008	9.497254	12.329795
## sample2631	9.937212	12.346420	12.146705	11.079122
## sample2632	10.184825	14.359889	10.576858	13.855912
## sample2633	9.289985	11.119689	9.746456	6.892505
## sample2634	11.853685	12.413908	10.998601	10.359781
## sample2635	11.814994	13.684490	9.947757	12.109475
## sample2636	6.183817	6.900996	12.240196	7.946833
## sample2637	10.264057	7.899620	7.994532	10.706140
## sample2638	10.746231	9.210098	8.682627	10.036051
## sample2639	12.598217	9.729140	12.281613	13.535918
## sample2640	10.615728	11.733539	11.206783	13.740717
## sample2641	12.272094	10.575917	11.018772	12.055624
## sample2642	9.207165	9.053983	9.683343	8.575233
## sample2643	10.922174	11.435006	7.899389	8.475485
## sample2644	10.544792	9.509264	10.379547	10.820021
## sample2645	11.887430	10.757454	10.090729	8.866079
## sample2646	11.553528	9.661552	11.391478	12.204782
## sample2647	10.858916	9.374984	6.941363	8.953960
## sample2648	6.710658	8.118337	6.782896	11.576748
## sample2649	10.105647	9.731613	11.294457	13.207864
## sample2650	11.905068	8.652797	7.041163	9.480535
## sample2651	12.920606	4.224650	8.807895	9.419527
## sample2652	11.285116	7.931105	9.605686	9.120407
## sample2653	12.136328	7.425230	7.961300	10.165916
## sample2654	8.646168	10.252926	10.693645	4.788867
## sample2655	13.107034	13.284012	9.187322	6.531052
## sample2656	9.454507	14.673114	8.209890	8.425783
## sample2657	9.107432	7.813630	11.257257	8.880273
## sample2658	10.291996	5.161622	11.841766	9.698510
## sample2659	8.982555	9.119620	11.556798	16.037877

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## sample2660  9.403184 10.521633  9.105474 10.891732
## sample2661 13.319438 11.023626 11.425579 10.138212
## sample2662  8.935032  8.184417 10.341871 10.259641
## sample2663 11.213984  9.161926  8.922775  7.109520
## sample2664  9.648123 11.339698  9.404507 10.030775
## sample2665 12.175662  9.674164  8.178863  8.419726
## sample2666 10.988844 11.143976 11.429417  9.319359
## sample2667  9.269660  6.327924 13.925166  8.065052
## sample2668 12.465918 11.380436 12.276525  9.909146
## sample2669 10.247363 10.253681  9.828778  8.159857
## sample2670  9.287213  9.900215  7.792175  8.253649
## sample2671  7.156408  7.906721 12.009288  5.455725
## sample2672 10.385426  8.502842  7.922224 11.226777
## sample2673  8.516590  9.461046  8.126594 13.129263
## sample2674 11.547776 10.706842 12.360457 12.111056
## sample2675 13.755038 13.129467 12.978873  5.568065
## sample2676 14.390815 10.567591 13.728547  9.222566
## sample2677 10.761820  8.838413  9.545655  9.214067
## sample2678  9.290263  8.585660  7.942309  7.919371
## sample2679 10.341435 10.344054  9.274212 11.234692
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## sample2682  9.773315  9.726270  9.211262 10.218522
## sample2683  8.856803  9.628517  8.925303 10.456607
## sample2684 10.293445 12.172432 10.072015 10.434511
## sample2685  9.505132 13.158309  8.906822  9.055803
## sample2686  4.909245  8.683624  8.706449 10.422658
## sample2687  9.493176  9.620759  7.973480 11.813437
## sample2688 10.155695  9.724876  9.724478 10.654223
## sample2689 14.056324 11.979716 10.453966 13.889708
## sample2690 13.354330  7.427666 11.761960  8.198448
## sample2691 12.195544  8.868907 10.014359  8.152292
## sample2692  9.544697 11.367273  7.255752  7.004531
## sample2693 10.720693  9.878564 11.368765  8.094597
## sample2694  7.558198  7.592897  9.270513  8.155323
## sample2695 11.817680 11.127896 11.422189  9.163991
## sample2696  6.944113  9.960567  7.907190  9.374966
## sample2697  9.930093  6.930048 12.661534 10.374941
## sample2698  5.094486  9.115142  8.909130 10.332646
## sample2699 11.761178  9.711023 10.029458 11.994542
## sample2700 11.837966  7.957488  9.840549 14.059620
## sample2701  7.293002  7.869768 10.222427 10.583262
## sample2702 10.681708  7.353753 11.225946  9.935418
## sample2703 10.417494  8.546445  8.173978 11.388578
## sample2704 12.647580 11.866370 12.556402  8.573728
## sample2705  6.432891 10.553046 11.002582 11.491347
## sample2706  8.371354  6.324614  8.956665  6.884570
## sample2707 12.040100 10.621073  9.636419 11.873951
## sample2708 13.027858 10.431399  7.884157  5.563396
## sample2709 11.251790 13.036497 13.615206  9.076009
## sample2710  7.508601  9.476572 12.263921  7.235331
## sample2711 11.633065  9.449901  6.663296 11.187289
## sample2712 11.620682  6.716743 10.193037 11.463441
## sample2713  9.802170  9.360014  6.844124 11.011364

```

## sample2714	7.916296	9.944177	5.662995	8.215300
## sample2715	12.332600	10.869262	11.546636	11.532936
## sample2716	11.339064	11.481790	16.119565	7.661551
## sample2717	11.055683	10.167830	8.791363	7.098578
## sample2718	9.886611	8.542175	10.693527	6.673191
## sample2719	12.129921	7.472607	9.694620	8.214154
## sample2720	9.106314	12.737901	11.128053	8.091457
## sample2721	7.946137	12.627104	10.033625	5.582696
## sample2722	9.510307	11.450841	8.329195	7.994523
## sample2723	14.687608	11.484508	10.467518	8.232058
## sample2724	11.574461	11.466199	14.426376	11.664451
## sample2725	6.483892	10.751934	12.648115	11.784045
## sample2726	12.016323	12.807989	10.022032	8.622460
## sample2727	13.644630	11.909371	6.409457	11.525610
## sample2728	7.777573	9.059545	10.366363	9.517036
## sample2729	9.514780	14.694738	9.293146	9.255984
## sample2730	11.968200	8.071676	7.594477	7.535560
## sample2731	9.201932	10.176052	10.348335	9.347962
## sample2732	8.324729	7.776224	7.863716	10.998627
## sample2733	9.954334	9.387454	11.838735	11.499962
## sample2734	11.134232	10.539535	10.394618	10.946853
## sample2735	8.684257	9.955252	8.930992	7.646515
## sample2736	10.848604	11.777900	12.360508	8.924767
## sample2737	9.830118	12.447612	13.360472	6.634529
## sample2738	10.266560	8.777564	7.882509	12.000670
## sample2739	12.157012	10.262309	13.064074	11.325697
## sample2740	10.370764	9.815256	8.331433	9.588283
## sample2741	8.093827	10.804635	9.119676	11.241511
## sample2742	2.148320	7.497311	9.150059	10.823969
## sample2743	11.132086	14.700373	9.811097	10.554828
## sample2744	10.973213	6.258838	13.357167	13.393815
## sample2745	7.823844	8.996272	10.512211	7.990424
## sample2746	8.739269	13.084297	11.291493	8.970893
## sample2747	12.665970	7.906895	11.262781	14.176235
## sample2748	7.920942	8.709726	10.532286	10.799140
## sample2749	6.983279	10.242340	12.710766	11.093390
## sample2750	8.824950	9.098689	7.518565	7.969770
## sample2751	12.585181	12.008355	11.373539	8.595658
## sample2752	9.742376	12.079550	11.184266	10.000103
## sample2753	13.250459	8.597257	10.999215	9.801576
## sample2754	11.644268	11.981921	10.780807	6.021714
## sample2755	11.177737	12.308966	10.829484	7.517000
## sample2756	8.458778	11.482682	11.709423	7.981995
## sample2757	9.943952	15.691212	8.053901	10.462556
## sample2758	8.947923	11.541766	11.494608	7.433445
## sample2759	10.172526	9.433288	9.757081	11.175927
## sample2760	5.225948	8.057644	10.687035	10.343649
## sample2761	9.225871	10.231253	7.069334	7.558198
## sample2762	11.155005	9.732094	10.970835	10.988105
## sample2763	9.718531	9.162654	9.328146	9.884529
## sample2764	9.478038	10.332370	9.126830	8.751483
## sample2765	6.653023	7.666935	10.259018	10.125240
## sample2766	9.590291	8.087290	10.867738	11.363996
## sample2767	9.844339	10.178139	10.962291	13.129409

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## sample2768 8.955985 11.019126 9.247149 13.112485
## sample2769 11.802860 12.786809 8.440379 9.960315
## sample2770 11.189702 8.795286 9.720630 4.843542
## sample2771 9.433452 11.528343 13.694075 10.043041
## sample2772 11.948669 12.272639 5.331485 10.009113
## sample2773 10.312445 8.016108 8.122956 6.437930
## sample2774 11.651392 13.208335 9.702436 10.164076
## sample2775 12.420329 7.675553 8.845347 12.510215
## sample2776 7.597559 12.463383 9.135205 10.933542
## sample2777 10.016435 6.993753 6.289226 9.176336
## sample2778 11.525752 8.580794 10.317366 7.726207
## sample2779 8.999638 7.806472 11.375852 13.403789
## sample2780 10.642990 7.719661 12.028819 11.002725
## sample2781 9.137633 9.886409 9.305668 9.721057
## sample2782 8.872921 8.799622 6.903383 8.957900
## sample2783 13.992464 12.519688 9.440762 9.977240
## sample2784 11.386390 12.537719 12.618980 6.893485
## sample2785 9.439618 10.238849 9.229425 9.664100
## sample2786 11.891985 6.769080 8.144199 8.506869
## sample2787 11.190384 7.251451 12.063836 14.668059
## sample2788 8.920303 8.228873 10.344186 7.918733
## sample2789 6.365758 8.378797 10.616657 9.662297
## sample2790 9.218358 10.170126 12.098743 12.218536
## sample2791 9.949961 10.846979 15.259666 7.988477
## sample2792 10.573827 6.575466 9.321383 10.245505
## sample2793 9.218733 7.347162 13.817667 8.467695
## sample2794 10.648691 10.787608 8.181656 10.252017
## sample2795 9.918920 9.365700 12.100793 10.447166
## sample2796 10.668125 11.285568 8.615673 11.189280
## sample2797 12.593561 10.366883 7.440670 10.161949
## sample2798 9.919280 2.981279 10.481270 9.611107
## sample2799 12.269740 12.592699 9.067237 9.246601
## sample2800 7.578612 9.952805 9.409867 10.259447
## sample2801 11.200111 10.245484 10.657242 10.052780
## sample2802 7.076528 11.230331 9.201837 13.058269
## sample2803 10.136619 15.448695 11.080979 7.657848
## sample2804 14.656322 5.078390 12.224852 11.617708
## sample2805 11.812733 10.106892 8.689490 11.424357
## sample2806 8.923672 8.864976 9.390339 10.686947
## sample2807 11.501647 7.581463 7.870234 9.463202
## sample2808 8.877741 7.942568 9.373488 12.553006
## sample2809 7.854223 11.412908 11.082091 9.528545
## sample2810 10.982173 10.827788 8.723649 13.561084
## sample2811 10.213682 9.979574 8.920712 8.368644
## sample2812 9.431050 9.901831 11.257917 9.780607
## sample2813 9.930937 12.527684 14.151237 8.918248
## sample2814 8.377357 10.815120 10.150742 12.035135
## sample2815 9.547659 8.440902 10.338259 11.765650
## sample2816 6.829247 7.348843 9.193072 11.624584
## sample2817 11.141057 12.109854 8.812382 9.150805
## sample2818 10.318376 9.626946 8.862577 12.587963
## sample2819 8.174501 10.954058 12.219700 8.437911
## sample2820 7.794677 9.391054 12.205157 7.827087
## sample2821 9.403261 9.723442 7.909193 11.807200

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## sample2822 11.093963 9.160435 9.748039 10.414191
## sample2823 10.789477 11.804474 12.381204 9.831953
## sample2824 9.906042 10.634630 9.442458 12.394512
## sample2825 11.400062 6.875632 11.388119 10.162106
## sample2826 12.805053 8.437029 9.672762 4.854188
## sample2827 10.896271 7.237655 8.973135 8.367909
## sample2828 11.492797 8.548971 8.100129 8.640575
## sample2829 8.529809 13.275509 9.993883 12.276979
## sample2830 8.231817 6.306978 12.017646 11.048708
## sample2831 9.663049 11.363877 7.604697 7.173994
## sample2832 12.388231 11.534900 14.954976 10.924084
## sample2833 11.385002 12.629927 11.895592 12.170268
## sample2834 10.606072 9.645116 12.144135 9.125773
## sample2835 8.054167 9.958787 9.671287 9.777371
## sample2836 8.545171 9.233514 13.104036 10.894097
## sample2837 10.383863 10.510489 10.454129 10.158484
## sample2838 10.503764 9.688038 9.103308 10.526533
## sample2839 10.395137 8.687580 8.709765 11.885943
## sample2840 9.838382 8.744544 9.954558 12.137994
## sample2841 10.450698 7.266917 9.331253 13.619958
## sample2842 9.115899 8.017922 7.725359 9.025838
## sample2843 10.947339 12.732994 9.945115 9.224518
## sample2844 8.433340 11.924427 9.355019 8.444316
## sample2845 8.703218 9.988323 11.008196 8.989210
## sample2846 8.605178 8.564658 12.427343 11.434904
## sample2847 11.686756 10.310369 9.969036 10.812372
## sample2848 11.889525 9.486321 8.071031 12.323675
## sample2849 12.339545 6.382450 10.245305 11.473787
## sample2850 11.592795 7.900068 9.752354 8.540803
## sample2851 14.673268 10.167662 6.972119 12.060812
## sample2852 11.506763 9.053028 10.094649 7.527171
## sample2853 10.136432 13.026063 8.912061 8.520286
## sample2854 11.735764 9.243058 12.665643 8.792212
## sample2855 10.500258 10.143300 10.886261 9.324844
## sample2856 10.683541 13.249176 11.411309 7.460722
## sample2857 10.965501 9.706648 9.620108 15.163888
## sample2858 9.874095 6.875598 8.070395 12.543270
## sample2859 10.180146 10.040815 6.420714 9.210097
## sample2860 7.076916 13.453227 12.954797 6.814521
## sample2861 10.594121 9.765540 9.294674 9.191859
## sample2862 7.142123 11.885767 13.251397 11.267736
## sample2863 7.636314 8.962854 8.010798 9.830432
## sample2864 7.210659 7.568592 9.379678 12.941737
## sample2865 12.438171 11.327813 9.083735 11.744153
## sample2866 10.592566 9.666615 8.527207 11.901473
## sample2867 11.887136 12.496398 9.431119 8.509589
## sample2868 8.808342 11.502320 9.346506 9.985444
## sample2869 9.740030 10.687482 9.608490 9.073765
## sample2870 6.890837 9.776060 12.416831 7.298203
## sample2871 7.946123 15.122136 11.732796 12.072887
## sample2872 9.336298 8.540410 8.956012 11.245208
## sample2873 9.525923 8.817517 10.627752 8.382945
## sample2874 11.189687 8.994291 6.547605 9.179450
## sample2875 5.936679 8.769388 9.255657 12.073505

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## sample2876 11.331638 10.764390 9.627815 10.235769
## sample2877 12.367109 10.786660 9.643157 9.806248
## sample2878 8.465044 10.452145 11.558089 4.712234
## sample2879 10.541809 10.195036 9.554747 12.581242
## sample2880 10.213480 8.058158 7.867349 11.738961
## sample2881 12.595979 11.619635 8.127290 5.289846
## sample2882 8.791641 8.272225 8.559513 10.311580
## sample2883 6.784063 11.605622 4.914385 12.711609
## sample2884 10.497413 13.143628 6.711132 12.778017
## sample2885 9.666926 9.808322 9.043783 7.055043
## sample2886 7.222573 10.450502 12.090644 7.877651
## sample2887 7.500896 10.280561 8.683939 9.690786
## sample2888 13.417989 11.358773 10.812952 10.049107
## sample2889 11.876482 8.419851 11.898083 11.039794
## sample2890 11.315324 10.400712 9.438366 6.295952
## sample2891 8.698923 9.212579 7.827159 8.731145
## sample2892 8.865216 10.508747 12.608687 13.143722
## sample2893 7.337120 5.583191 13.261543 10.726498
## sample2894 7.103361 12.825726 6.350379 7.277107
## sample2895 9.534312 11.751535 9.874726 8.721798
## sample2896 12.036432 9.202860 11.975409 9.336863
## sample2897 10.163872 6.966478 9.592115 7.590369
## sample2898 10.667025 9.612883 6.957062 11.411122
## sample2899 7.445012 12.504156 10.436851 11.172150
## sample2900 11.618444 11.164748 9.525729 11.925823
## sample2901 5.967845 11.866512 11.052962 9.750759
## sample2902 8.963890 10.410926 11.097771 8.771105
## sample2903 12.724438 10.787281 6.774051 9.335796
## sample2904 12.226945 4.248429 14.431960 10.458864
## sample2905 8.940190 10.861482 7.513367 9.072182
## sample2906 9.714852 7.627380 10.379930 9.667835
## sample2907 9.313151 9.485610 9.207380 10.944783
## sample2908 12.185959 9.312056 9.601064 4.291056
## sample2909 9.638116 5.340362 11.755705 10.698180
## sample2910 10.008134 8.592704 10.620590 10.586896
## sample2911 10.656590 10.687459 7.732929 12.110458
## sample2912 8.202522 10.387266 11.669775 14.826215
## sample2913 7.749255 9.082397 6.572669 10.244388
## sample2914 11.494950 10.297854 11.580256 10.466575
## sample2915 13.587018 11.510649 8.350335 12.369455
## sample2916 10.690546 9.308073 9.011816 9.848393
## sample2917 6.814142 6.944463 9.685607 10.957589
## sample2918 6.807680 13.618579 4.964609 9.571454
## sample2919 12.084911 7.717874 6.216362 6.845370
## sample2920 9.219742 11.849279 10.318787 10.193906
## sample2921 12.363038 9.196639 11.663461 12.301613
## sample2922 9.260171 10.153604 10.473646 7.850065
## sample2923 11.416886 6.994575 12.181587 10.221761
## sample2924 10.597692 8.474641 10.779763 9.667758
## sample2925 15.061248 9.314333 11.694084 12.426645
## sample2926 8.210246 12.211394 9.942158 9.658539
## sample2927 10.785061 13.054457 10.820754 10.557206
## sample2928 7.445688 10.323700 10.295165 11.836709
## sample2929 8.954640 10.029056 9.016430 11.756599

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## sample2930  6.461548 10.378779  7.021561 10.332820
## sample2931 10.089795 12.896473 11.195131 11.040909
## sample2932  8.385482 12.198165  8.768747  9.095009
## sample2933 10.733845  9.868879 11.361655  7.800830
## sample2934 12.756801  8.740572  9.984723 13.309011
## sample2935 11.091015  8.232058 10.427579  6.200592
## sample2936  9.881088 14.328109 11.473734  7.238835
## sample2937 14.552588 11.384285  8.762643 10.587835
## sample2938  6.612064  6.952160  8.063585  8.559365
## sample2939  8.591591 11.570864  9.736133 11.846039
## sample2940 10.140289  7.905174 13.803781 10.447880
## sample2941 11.946245 10.065894  9.673681 10.600899
## sample2942 13.590445 10.693567  8.026133 12.135641
## sample2943 10.512900  9.131524 11.100824  8.987595
## sample2944 12.706323  9.373355  7.867183  9.599713
## sample2945 13.241946 11.035675  8.953983  8.347446
## sample2946  5.141315  8.641782 11.813355  8.073561
## sample2947  8.031129  9.170903  8.861428  8.210893
## sample2948  9.820178  9.167827 10.000810  8.811953
## sample2949 11.754050  8.269006 10.354294  8.180201
## sample2950  8.951024  8.796966  4.489015 12.029839
## sample2951 11.490818  8.816456 10.107844  9.802008
## sample2952  8.950315 12.028501 11.054650  7.881202
## sample2953  7.483071 11.557384  9.982739  5.937906
## sample2954  8.534586  8.965330 12.104997  6.631919
## sample2955 14.103631  8.224925 12.518713 12.197233
## sample2956  8.295329  4.154624  9.274259 11.397151
## sample2957  9.504290 10.824321  8.228065  8.980368
## sample2958  8.860482 11.825537 12.631292 12.905825
## sample2959  9.344550  7.538900  7.897196  8.305293
## sample2960 11.716620 10.151297 12.842968  8.889355
## sample2961 11.354525  9.360373  9.154948 11.608462
## sample2962  8.612038 10.031613 11.708287 12.377644
## sample2963  8.124302 12.509172 10.257991 16.273034
## sample2964  7.636951 10.611207  6.036273 11.273565
## sample2965  8.224685  8.953464 10.716860  9.286146
## sample2966 11.681652  8.690122  8.797951  8.683330
## sample2967  9.063372 12.052355  9.556004 15.760270
## sample2968  8.775759 10.210650  5.178303  9.384786
## sample2969  9.919438  7.284667  8.015688  7.580777
## sample2970 13.211523  9.409063 10.670573  8.689199
## sample2971  7.607868  7.499102 12.427610 11.844154
## sample2972  8.433349 10.573350  8.160211 10.552943
## sample2973  6.314417 12.930338 11.710901 10.945951
## sample2974  9.696010 11.822222  5.838139  9.901057
## sample2975  9.781185  7.929690 12.825318  8.747270
## sample2976 10.892151  9.407871 12.623505 11.902325
## sample2977 10.812036 10.972158  7.278603  9.706743
## sample2978 11.773222  9.468869  8.293835  5.104102
## sample2979 10.186883  8.021539 11.968950  9.406706
## sample2980  8.018312  9.597003  8.397463 11.529817
## sample2981 10.368474 12.022513 11.736596 14.724162
## sample2982 12.958398 11.330451 12.077076  9.965832
## sample2983  9.863719 12.377362  9.026635  7.794234

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## sample2984	8.623132	9.812961	7.528547	8.519004
## sample2985	14.008343	8.709811	13.057889	9.512294
## sample2986	7.735486	12.298023	10.549913	11.182626
## sample2987	12.942995	9.735438	8.094138	9.239032
## sample2988	11.599866	8.978893	7.537513	11.674686
## sample2989	9.126225	10.792849	11.287051	12.348091
## sample2990	5.995506	6.969839	13.565819	9.122985
## sample2991	11.565231	13.400764	10.590011	9.761285
## sample2992	6.067186	9.079105	11.647592	8.951140
## sample2993	8.537489	10.826899	7.928086	12.756932
## sample2994	11.130960	13.777968	8.689710	8.562001
## sample2995	12.965118	8.987677	8.808061	7.361823
## sample2996	10.270896	10.544628	10.122757	8.406979
## sample2997	11.862431	7.860240	12.374854	8.964716
## sample2998	8.368329	11.338982	8.799292	12.413204
## sample2999	12.460770	12.239238	12.562114	12.437139
## sample3000	6.160207	11.849915	8.566665	10.974868
## sample3001	5.723047	8.470949	10.222215	12.319750
## sample3002	8.198416	11.948704	7.826012	10.901893
## sample3003	10.299830	7.264536	9.041933	11.541266
## sample3004	12.252826	10.001153	10.109290	7.562427
## sample3005	12.498733	10.224962	14.475657	11.196121
## sample3006	7.668227	10.569078	10.889538	8.377212
## sample3007	13.087039	9.154201	8.662213	8.447783
## sample3008	8.960483	11.100579	7.646727	8.818827
## sample3009	11.733547	9.893398	14.332198	7.272344
## sample3010	11.263531	7.951822	9.678189	12.379771
## sample3011	10.004991	11.613010	10.933826	11.635548
## sample3012	12.457831	12.112164	12.380983	7.773364
## sample3013	11.519348	8.805177	11.451870	9.414929
## sample3014	8.602282	11.052773	9.905022	10.304393
## sample3015	9.291881	10.557937	8.191854	11.952412
## sample3016	7.762229	11.793525	6.997733	10.575570
## sample3017	9.354509	7.031514	10.081513	11.246716
## sample3018	12.993606	11.095369	12.594489	6.619425
## sample3019	9.751211	10.077321	12.247693	12.613203
## sample3020	10.734012	11.640781	11.301853	12.159167
## sample3021	9.372070	10.351315	8.900930	7.648791
## sample3022	13.683254	12.084250	10.383747	8.221824
## sample3023	9.269942	10.561470	11.942176	9.064073
## sample3024	10.964769	12.566127	13.299519	11.641503
## sample3025	8.349643	11.102006	12.912266	8.996086
## sample3026	12.602891	12.953740	9.693508	9.600806
## sample3027	10.093539	11.029311	10.406116	9.907542
## sample3028	7.962112	9.440090	5.541664	8.134043
## sample3029	7.684124	9.206869	10.522702	9.724488
## sample3030	9.479128	9.254231	11.100419	11.437383
## sample3031	9.038201	11.370757	8.426098	10.032442
## sample3032	11.816150	6.749759	9.329861	7.312156
## sample3033	9.433671	12.480387	8.116715	11.350625
## sample3034	13.042476	7.372930	16.475283	9.357177
## sample3035	7.838078	8.505803	8.717701	5.562639
## sample3036	7.278098	8.300200	10.076970	11.221730
## sample3037	9.152095	10.538973	9.307566	11.612641

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## sample3038 11.173043 9.965912 11.256966 12.594774
## sample3039 10.588808 11.226063 12.056147 9.784625
## sample3040 7.552783 10.395796 8.987660 12.712620
## sample3041 12.314041 13.034120 12.634428 11.303583
## sample3042 9.939263 10.473002 12.474298 10.268533
## sample3043 8.878058 8.567892 11.190823 12.175157
## sample3044 11.515148 10.913698 10.822014 9.286774
## sample3045 9.467059 11.488982 10.179696 11.350757
## sample3046 14.154141 11.199111 6.971761 10.526868
## sample3047 11.013626 10.803538 7.926949 11.995690
## sample3048 11.219599 7.852309 12.290668 11.366973
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## sample3050 8.530363 6.833726 8.925885 5.865530
## sample3051 7.696227 8.290802 11.281024 11.812411
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## sample3053 7.671658 12.203959 13.855994 10.460219
## sample3054 11.316922 12.699877 13.801292 11.365533
## sample3055 6.928429 11.433428 10.336787 11.512278
## sample3056 12.854853 14.243743 10.744954 14.754502
## sample3057 7.407295 14.526892 10.521883 7.693552
## sample3058 8.172377 9.262745 6.139599 10.927534
## sample3059 11.602899 9.404184 9.868109 9.356416
## sample3060 7.327658 11.307895 7.710911 8.658304
## sample3061 10.258694 9.729082 11.967892 11.590368
## sample3062 9.682210 11.209818 12.063202 10.562230
## sample3063 8.123644 6.024575 11.782611 10.638314
## sample3064 12.113550 8.262679 7.239106 9.792036
## sample3065 8.941633 9.734618 10.295814 7.314483
## sample3066 10.698466 9.227980 11.576144 8.565732
## sample3067 11.919891 9.121824 7.710260 8.616444
## sample3068 8.899113 9.245866 10.954594 8.912763
## sample3069 8.237553 10.340453 9.848210 12.941920
## sample3070 12.950071 8.110061 10.593212 10.119169
## sample3071 11.291051 10.995012 9.864149 8.999061
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## sample3077 10.088418 11.193565 8.062646 11.202675
## sample3078 11.228308 10.342508 12.939652 7.052345
## sample3079 12.290667 11.158036 9.118930 8.915090
## sample3080 12.221376 11.533608 9.245157 11.333151
## sample3081 9.021687 10.282565 9.579703 6.927206
## sample3082 5.051938 12.601146 10.631445 7.654444
## sample3083 9.282313 9.918012 8.232660 8.551829
## sample3084 13.527039 8.841762 9.048864 12.082457
## sample3085 11.911285 9.191476 10.321788 11.399526
## sample3086 11.193189 12.328345 8.338676 13.036557
## sample3087 11.912653 8.712534 11.313647 8.923924
## sample3088 10.859435 10.789035 10.662539 9.691139
## sample3089 8.717827 7.894202 12.145998 13.836150
## sample3090 10.126922 9.931111 13.379968 13.039618
## sample3091 11.807767 10.193336 7.657775 11.237705

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## sample3092  7.571343  7.779443  9.754933 13.050964
## sample3093 10.795219  7.632483 11.328761 10.500566
## sample3094  6.659705 13.079444 11.055149 11.621197
## sample3095  9.796572 10.076455 12.896616  9.563909
## sample3096 14.177351  8.505505  9.653070 11.027438
## sample3097  9.230620  9.297898 12.545930  7.852142
## sample3098 10.697961 10.490024  8.653901 15.597116
## sample3099 11.773955 11.603371 11.071335 12.503000
## sample3100  9.574848 12.486523 11.551825 12.312407
## sample3101  9.776453  9.495627  9.548741 12.326277
## sample3102  9.469417 10.465733 12.368735 12.673094
## sample3103 11.086105 10.706099  8.831272 10.767391
## sample3104 12.289757 10.719432 13.442900 14.012613
## sample3105 10.113135 12.116030  9.851576 13.270324
## sample3106  8.318401 11.326522 10.600848  8.104095
## sample3107 13.645945 10.373864  9.997492 11.004312
## sample3108  8.939744  9.922900  4.373133  9.998115
## sample3109  7.784079 12.203291 10.266557 11.658653
## sample3110  7.611308  9.626257  7.319186 10.426467
## sample3111 10.673081 10.246569  9.445453  9.435076
## sample3112  9.255221 13.370164 11.252729  9.759364
## sample3113 11.745521  7.226895  8.801896 12.700287
## sample3114 10.543264 12.734895 10.116730  9.836899
## sample3115 10.812057  9.935875 10.005216 12.439905
## sample3116  9.614677 11.319619  5.257679  9.137687
## sample3117 10.754690 10.943963 13.171540 10.462533
## sample3118 12.907257 10.833775  8.257934  9.018971
## sample3119  8.108389 10.296918  9.072325  9.094434
## sample3120  8.949425 10.479812  7.806038  6.613981
## sample3121  8.654913 11.575547  8.912154 12.679279
## sample3122 10.881842 12.887912  6.650693  9.480096
## sample3123 10.805644 11.232682 10.364849 10.556410
## sample3124  9.789044 11.662529  9.849289  9.472096
## sample3125  8.806445  9.062654 12.463679 12.472296
## sample3126 10.679664  8.774189  9.313065  8.481059
## sample3127 11.770646  8.882295  9.376509  8.844540
## sample3128 10.508453 11.822746  9.490589 10.701162
## sample3129 12.425845 10.516946 10.416569  9.483141
## sample3130 10.356978 14.794098 10.692372 10.693115
## sample3131 10.593641  9.480369 10.006112  7.974194
## sample3132 11.372225 14.179606  9.720059  8.351789
## sample3133  8.768993  9.979072  8.186228 10.005565
## sample3134  8.456040 11.529809 10.333835 10.014708
## sample3135 11.865727  8.405432 13.885127  9.127465
## sample3136  7.911574 13.991580 11.868807  7.199609
## sample3137 10.145130  8.105865 13.202732 11.757380
## sample3138 11.048529  8.992507 10.377647  7.954204
## sample3139  9.830435 12.039815 10.796167  4.289200
## sample3140  5.677406 12.186682 10.854684 10.755152
## sample3141 11.259487 10.621493 13.508072  7.729025
## sample3142 13.381297 12.235883 11.774131 12.306115
## sample3143 10.649559  9.653521 11.761287 10.688508
## sample3144  7.008516 13.388383 12.439288 10.675816
## sample3145 13.118740 15.682614 10.226387 13.746146

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## sample3146 13.219663 6.916749 8.602151 9.531055
## sample3147 9.266288 13.019201 13.481909 8.417486
## sample3148 10.240693 7.091038 9.231975 8.613386
## sample3149 13.158294 11.536342 7.172138 8.956700
## sample3150 12.900548 8.640236 10.750473 10.823594
## sample3151 7.141849 9.151495 6.665900 10.674678
## sample3152 6.264773 9.035116 8.189992 11.547013
## sample3153 12.778422 10.769212 7.049447 7.461051
## sample3154 12.003876 5.199866 12.430377 11.141206
## sample3155 7.378782 8.946471 8.560508 5.916646
## sample3156 13.218452 6.657862 13.444445 8.533280
## sample3157 7.044095 6.722249 11.235261 8.074435
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## sample3159 13.380638 13.217635 13.386158 9.485685
## sample3160 10.693912 6.514235 11.149887 4.525663
## sample3161 9.990448 10.122840 10.060999 11.067041
## sample3162 10.458539 9.307530 10.858697 9.400888
## sample3163 12.113138 9.314827 14.024634 9.690837
## sample3164 12.343176 7.752785 11.651504 8.645512
## sample3165 10.302192 8.380626 8.016041 13.570559
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## sample3168 10.499564 7.612220 13.049493 9.247818
## sample3169 11.800893 10.664067 10.412217 9.303886
## sample3170 11.949363 9.195116 9.346952 9.613610
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## sample3179 8.787611 10.178063 10.918191 10.782602
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## sample3187 11.181484 8.953846 10.320025 10.055940
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## sample3190 7.328017 8.251346 9.309471 10.280465
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## sample3194 10.679609 9.956129 12.900524 9.250201
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## sample3196 12.652615 9.398351 8.464158 10.079735
## sample3197 9.391119 7.340632 9.064863 9.901436
## sample3198 10.128561 9.101297 11.275164 12.048351
## sample3199 9.876845 7.605555 12.445457 7.763408

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## sample3200 12.694391 9.566478 7.138152 11.247670
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## sample3202 13.467921 8.219117 9.989556 7.288451
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## sample3204 8.907308 6.415371 12.077775 12.067578
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## sample3210 9.083023 11.510000 8.666394 9.156105
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## sample3213 11.925240 10.015462 10.819975 7.290379
## sample3214 9.283919 10.256110 11.506121 6.963853
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## sample3218 10.060772 11.507495 8.641015 9.933075
## sample3219 11.790490 13.341673 12.148010 9.217081
## sample3220 10.297077 10.318160 12.478723 10.325959
## sample3221 13.322959 7.178311 8.847249 9.923050
## sample3222 9.353888 13.705941 8.764728 9.539201
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## sample3227 10.738655 12.506616 10.358255 9.867558
## sample3228 7.501210 6.622911 10.981098 10.657661
## sample3229 8.329007 7.133865 7.966852 5.697851
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## sample3251 8.577851 8.272695 12.263225 10.739584
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## sample3254 11.713825 10.017678 9.306630 7.369586
## sample3255 8.310760 12.329352 6.374885 11.200925
## sample3256 13.077401 10.637243 11.646492 12.148250
## sample3257 10.574055 10.851734 8.465523 11.803875
## sample3258 7.488730 8.970695 7.436312 10.332011
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## sample3266 7.224071 9.215356 12.567298 11.291269
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## sample3273 5.983954 6.720433 11.314120 11.582852
## sample3274 11.179425 11.714115 7.056541 12.555724
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## sample3276 6.284609 11.393786 9.052498 11.943454
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## sample3280 12.738713 5.298463 8.759502 4.107419
## sample3281 12.081844 7.940675 8.834891 9.853358
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## sample3283 12.196372 9.545734 7.353612 9.128688
## sample3284 13.860305 7.632197 10.839034 9.458409
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## sample3308 7.063948 8.632139 10.377959 13.893275
## sample3309 7.500002 8.426049 10.139662 12.767338
## sample3310 9.993664 12.071579 8.491918 13.321514
## sample3311 6.585109 9.806905 11.653250 10.928014
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## sample3316 8.733057 8.354495 8.210604 11.689200
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## sample3322 12.669408 9.401076 13.127362 11.919518
## sample3323 14.000296 11.369176 7.509688 6.635464
## sample3324 9.763968 9.076550 10.653285 8.163461
## sample3325 9.032168 7.327420 8.772918 12.274600
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## sample3332 14.000860 7.945596 9.186030 12.999103
## sample3333 9.002337 11.802641 9.226211 8.515823
## sample3334 8.028157 9.399693 6.872068 8.588513
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## sample3362 10.801268 8.128243 12.205449 9.145633
## sample3363 10.257776 8.937076 11.449603 9.848159
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## sample3370 10.658766 8.361160 7.999089 9.185806
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## sample3392 11.645618 13.246022 14.890754 10.561472
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## sample3405 9.980490 9.909963 13.371147 10.335114
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## sample3408 9.662928 14.306831 12.790850 16.151380
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## sample3412 7.461429 11.671422 11.284353 6.871331
## sample3413 10.017851 11.513065 10.678892 15.364641
## sample3414 9.290975 8.479706 8.590329 9.841691
## sample3415 9.128586 9.924876 10.226833 9.173624

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## sample3416 12.994520 10.344359 11.669960 12.936325
## sample3417 5.531728 7.577995 8.700190 11.021568
## sample3418 8.083726 11.286442 11.405010 7.608894
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## sample3469 10.326089 8.495991 9.575053 10.373105

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## sample3470 10.291887 9.341856 11.221624 9.988316
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## sample3522 10.697603 10.474743 13.579689 12.769015
## sample3523 8.208809 8.728341 11.143730 11.673538

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## sample3524 10.945382 6.490646 11.540567 12.608144
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## sample3529 8.248787 8.256281 9.591860 9.572916
## sample3530 6.232333 8.246282 8.910229 13.340430
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## sample3532 9.725258 4.996539 12.000536 9.945129
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## sample3578 14.285261 11.316977 7.523553 8.822665
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## sample3580 8.123565 10.219222 12.538520 9.953991
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## sample3590 9.966514 7.633458 10.808112 10.829861
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## sample3592 10.259199 13.341625 6.490307 11.390632
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## sample3594 6.697933 8.554173 8.819928 8.222977
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## sample3596 11.005005 8.655646 6.953239 10.021564
## sample3597 10.058493 10.572705 11.988124 15.198468
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## sample3599 11.033101 8.248332 11.556960 10.707355
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## sample3601 8.809205 8.523355 10.633328 6.746341
## sample3602 9.221417 10.848405 9.860611 10.443360
## sample3603 11.908571 10.090008 11.789624 11.434421
## sample3604 10.355882 14.073499 11.380688 10.905941
## sample3605 7.071369 12.425177 10.836782 8.137936
## sample3606 9.585315 14.487462 8.429017 14.429493
## sample3607 7.866146 6.668214 9.440799 9.987532
## sample3608 11.085467 9.489647 10.265560 13.377101
## sample3609 12.222234 7.749062 8.113325 15.084397
## sample3610 11.389665 9.506163 8.615441 11.148221
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## sample3629 6.103833 9.609127 10.000224 7.819106
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## sample3632	9.917926	6.238561	8.374565	9.468396
## sample3633	6.657572	10.715498	11.859015	7.681544
## sample3634	9.760873	9.432883	8.980943	8.919315
## sample3635	6.293947	10.496635	10.301866	9.471609
## sample3636	9.232703	12.284419	8.982189	10.438403
## sample3637	10.002902	10.510971	10.773719	10.102070
## sample3638	7.752920	8.173854	9.739074	12.094784
## sample3639	10.637393	10.336867	11.124391	8.139231
## sample3640	7.274959	4.193421	12.719545	10.967328
## sample3641	8.827424	13.813907	6.323386	9.174982
## sample3642	11.400023	8.785121	9.995810	9.167550
## sample3643	10.470114	10.698464	9.519686	8.414297
## sample3644	7.506010	13.419227	12.808198	9.586979
## sample3645	11.390191	9.377820	7.678071	9.700513
## sample3646	9.997617	11.879011	10.458251	9.958764
## sample3647	9.135117	9.088734	8.009651	6.736265
## sample3648	8.221126	9.078547	11.827007	9.304079
## sample3649	11.041968	9.303404	7.205320	10.208518
## sample3650	8.801404	9.596135	9.627400	10.977809
## sample3651	10.152716	10.735387	9.082003	10.014023
## sample3652	9.915720	7.545454	9.851968	10.897430
## sample3653	6.961321	8.552110	6.684781	8.778980
## sample3654	10.888100	7.109131	9.631304	11.991340
## sample3655	6.300897	9.221271	11.067466	9.272822
## sample3656	11.407368	9.353926	10.524632	5.520609
## sample3657	13.412903	10.238870	9.678797	10.400300
## sample3658	7.155517	9.266299	9.178556	9.795667
## sample3659	9.481798	9.369458	9.838364	6.546801
## sample3660	10.721886	12.711806	9.603007	10.552450
## sample3661	9.368120	8.434879	14.774933	10.971977
## sample3662	7.358535	11.905744	8.305353	12.371557
## sample3663	7.879431	8.870042	9.412932	10.575707
## sample3664	10.905325	12.045784	6.753893	8.738499
## sample3665	11.740599	8.464317	10.145612	7.091144
## sample3666	10.629151	9.235579	10.411375	12.648470
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## sample3687	14.470044	10.591566	9.905289	11.812063
## sample3688	9.881743	10.117116	11.552698	10.820796
## sample3689	13.746573	14.835086	7.592955	11.657854
## sample3690	5.484521	13.027849	11.725940	9.875875
## sample3691	10.971713	10.769490	8.508880	8.496720
## sample3692	7.077322	10.287298	14.981228	9.064905
## sample3693	9.366102	7.081788	7.796787	10.715965
## sample3694	9.436316	12.145908	9.116554	8.506868
## sample3695	11.853778	14.505502	11.877843	10.664690
## sample3696	10.792931	8.107447	6.637865	10.588283
## sample3697	9.185064	12.010051	9.077927	7.835244
## sample3698	8.013187	10.661350	11.383561	5.490246
## sample3699	8.964866	8.948403	9.707921	8.335690
## sample3700	10.687647	10.631659	7.631619	10.693616
## sample3701	11.481523	13.167431	11.855019	11.445582
## sample3702	11.712805	10.100843	7.558836	7.131809
## sample3703	11.066630	11.318510	11.161466	11.436263
## sample3704	10.917312	9.922142	8.841890	9.195395
## sample3705	10.904367	9.160411	8.159135	7.091610
## sample3706	10.066692	8.220090	8.757243	8.766264
## sample3707	9.718041	8.995531	8.224617	12.548083
## sample3708	8.063821	9.908737	6.236906	8.693251
## sample3709	10.978026	12.536534	9.416362	12.137936
## sample3710	12.135777	11.943094	9.419483	10.745439
## sample3711	7.292410	11.863980	10.503148	8.253065
## sample3712	12.002113	10.089033	8.018083	11.887475
## sample3713	8.063172	9.241701	11.026908	7.080043
## sample3714	9.280413	11.845331	7.009595	10.467221
## sample3715	10.401970	9.932978	9.604460	15.272704
## sample3716	9.104512	8.418469	10.489716	8.617145
## sample3717	7.949348	7.903350	10.424044	9.315541
## sample3718	11.355951	13.562159	13.153317	11.206587
## sample3719	7.000785	10.545308	12.036466	11.569693
## sample3720	12.530371	11.985238	9.492295	14.732532
## sample3721	13.233988	10.621852	9.678568	9.419361
## sample3722	12.134106	9.005119	8.240704	10.436212
## sample3723	10.323611	9.093743	7.427382	10.839369
## sample3724	10.067348	9.006390	9.859429	11.727665
## sample3725	11.036671	7.137246	9.604055	6.911189
## sample3726	12.689590	8.758779	7.905178	6.002298
## sample3727	11.989200	10.031752	5.996755	6.970384
## sample3728	10.994398	12.961957	9.899609	8.563454
## sample3729	12.725048	10.021571	7.589403	7.085476
## sample3730	11.454431	8.589636	11.258732	8.132374
## sample3731	9.849822	10.575216	12.983951	8.594424
## sample3732	10.446132	9.948141	14.133558	12.579900
## sample3733	9.224176	8.176004	8.759258	12.149493
## sample3734	10.941075	5.057112	9.540344	12.076672
## sample3735	8.740491	9.333842	10.832570	11.863721
## sample3736	9.145021	11.646855	12.074430	8.762993
## sample3737	7.247015	9.496163	8.259491	11.166856
## sample3738	8.351865	11.517076	10.523179	7.608604
## sample3739	11.670162	7.844508	10.482831	4.041136

```

## sample3740  9.117412 13.408992  8.457580 10.626763
## sample3741  9.997702  8.948836  8.264152  5.832730
## sample3742  9.007534 12.916293 10.039498 10.159527
## sample3743  7.958110  8.646120 13.155085  9.751229
## sample3744 10.924460 10.612986  8.497212 11.425215
## sample3745 13.573129  9.524988 10.385577 12.508436
## sample3746  8.761770  5.960973  4.698364 10.227744
## sample3747  8.670720 13.240421  8.613032 11.976417
## sample3748 11.905995 10.648682 11.093887 13.130667
## sample3749 12.532022  9.029583 10.568384 10.912638
## sample3750 11.576929  9.463276 10.496185  8.912189
## sample3751  6.157102 14.262125  9.722027 11.648125
## sample3752 13.333447  7.657712  8.394924  9.805736
## sample3753  9.940939  6.457538  8.919885 14.649807
## sample3754  8.277752 12.260306  7.309409 13.013316
## sample3755 12.822022  9.865359  8.281007  9.789414
## sample3756  8.463172 11.208502 11.033832  7.805205
## sample3757 11.004551 11.682548 11.139035  8.264486
## sample3758 11.065224 12.018947  6.690198 13.288646
## sample3759  9.561707 11.646679 10.022396 12.043671
## sample3760  9.891825 11.290648  9.856455 10.332154
## sample3761 14.589901  9.793499 12.342107 11.942998
## sample3762 11.487080 10.886501  9.780703 11.430860
## sample3763 11.945534 11.238491  6.762554  8.817609
## sample3764  8.187662  9.608690 10.480546 10.955269
## sample3765  8.398600  8.108918 11.388118 11.615155
## sample3766 11.653047  7.196158  7.370304 11.354056
## sample3767  6.676414  6.459401 11.492481  7.895848
## sample3768 11.221689 10.228038  9.578989 12.099923
## sample3769  8.234509  9.085356 11.574647  8.077444
## sample3770  8.325317  9.891916  7.984506 10.708213
## sample3771  7.873023 10.427447 13.039764 10.140171
## sample3772  7.421776  5.385003  6.368078  8.715668
## sample3773 11.037245  9.588162 12.097547  6.633821
## sample3774  9.863847 14.702555 10.490148  7.434328
## sample3775 12.597806 13.873546 13.033761  7.358359
## sample3776  7.585301  7.977188 12.018994 12.368506
## sample3777  9.950301 13.152390  7.541488 10.652460
## sample3778 13.744955  6.860895 11.788514 10.141304
## sample3779 10.101217 10.580938  6.911200  8.476562
## sample3780  9.518895 12.364528  5.851351  9.324902
## sample3781 12.564206  9.456962 11.864035  8.041268
## sample3782  9.385634  8.981776 12.468230  9.316299
## sample3783 10.188720  9.886221  9.581956 10.786284
## sample3784 11.780493  4.831504  8.534766 12.475063
## sample3785  8.840008  9.067308  6.753956 10.315457
## sample3786 10.345138  5.214217 10.893879 10.493843
## sample3787  8.273884  6.931467  8.965665 11.434697
## sample3788  6.028405 10.179557 11.895116 10.541451
## sample3789 11.464412 10.616842 12.158717 11.393918
## sample3790  6.713450  6.130027  9.943731  9.451503
## sample3791 12.314373 10.579984  7.851382  8.482774
## sample3792  5.601690  8.151111  9.219495  6.778322
## sample3793 14.882901  9.890110  9.076314 10.600575

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## sample3794 11.960377 10.112402 6.739278 11.956466
## sample3795 11.469535 7.749420 10.270050 7.052371
## sample3796 9.460924 12.526821 7.926750 10.079976
## sample3797 8.180209 8.872943 9.528336 9.393804
## sample3798 6.936628 9.703153 12.506346 6.585902
## sample3799 11.006381 10.508148 10.882089 9.183823
## sample3800 9.612413 13.028793 10.032911 10.171615
## sample3801 10.768808 7.401334 8.265468 8.859179
## sample3802 9.167320 9.196811 9.533591 8.981664
## sample3803 10.764810 8.661451 7.590741 12.951661
## sample3804 12.963829 6.727918 8.470607 10.344278
## sample3805 8.705629 10.435379 12.919694 13.547927
## sample3806 11.303550 8.886678 12.304717 8.691472
## sample3807 11.328827 9.189554 11.142853 11.417775
## sample3808 8.904414 10.912985 10.899038 9.051837
## sample3809 7.101875 10.421496 9.729909 11.154697
## sample3810 10.185473 8.447703 11.239693 10.337376
## sample3811 8.767711 9.223285 12.233041 11.463669
## sample3812 12.479691 9.200268 10.248740 12.196461
## sample3813 10.381251 10.821542 11.300257 12.197976
## sample3814 6.781029 9.118244 12.335425 10.718777
## sample3815 9.536964 10.813499 14.091946 7.659402
## sample3816 6.307231 6.418809 9.126427 10.572647
## sample3817 9.011056 11.003510 10.710489 12.340392
## sample3818 11.588969 10.011959 12.243690 12.317626
## sample3819 12.469788 9.422142 6.673010 9.042876
## sample3820 9.883799 11.070055 8.186165 8.666162
## sample3821 11.167915 15.676374 11.966868 9.834689
## sample3822 9.500926 10.746490 9.722363 11.019881
## sample3823 10.251683 8.112752 8.548008 10.697854
## sample3824 10.716659 12.228295 10.601738 9.757983
## sample3825 8.954527 9.593317 7.841353 7.090159
## sample3826 10.624803 7.690142 10.262616 10.896744
## sample3827 10.846775 9.273332 8.568324 7.561573
## sample3828 9.180511 10.693835 12.076421 10.915803
## sample3829 8.260070 7.597711 10.437340 11.587967
## sample3830 10.380578 8.098425 11.638857 8.283474
## sample3831 8.978670 9.935798 11.050741 11.709772
## sample3832 11.958912 9.731686 11.023070 13.151687
## sample3833 7.968826 12.557131 10.391165 10.061829
## sample3834 9.543501 7.672633 9.752609 9.115731
## sample3835 11.988007 9.969546 9.366111 8.233003
## sample3836 13.235415 8.166943 11.184483 8.552882
## sample3837 11.673171 9.419444 12.864843 8.170910
## sample3838 10.410174 13.005362 10.522282 8.707388
## sample3839 11.182625 8.950090 10.786094 11.053662
## sample3840 10.158033 9.553265 11.895141 8.424231
## sample3841 8.387306 7.160435 9.803112 9.167478
## sample3842 10.756733 8.522904 10.223381 11.800053
## sample3843 8.092347 7.032259 9.538073 10.833336
## sample3844 13.899574 11.375074 12.155478 9.284967
## sample3845 9.391613 11.646510 5.290982 10.832268
## sample3846 8.853120 5.268230 11.099457 11.974809
## sample3847 11.671791 10.140193 8.630736 10.364659

```


## sample3848	13.624833	11.243191	10.406521	11.994518
## sample3849	11.014127	12.033438	13.936531	10.037597
## sample3850	10.693786	9.672088	8.787216	11.977839
## sample3851	9.569706	11.354576	9.896107	8.183498
## sample3852	10.817094	9.227763	11.602222	9.825353
## sample3853	7.447098	9.091633	7.737073	8.103272
## sample3854	9.428763	9.156740	7.763034	12.282123
## sample3855	9.727576	10.392154	12.565421	11.512134
## sample3856	10.062146	8.712408	8.154414	9.562321
## sample3857	9.189390	9.711905	8.602210	12.685306
## sample3858	5.972486	11.331396	7.504419	10.395130
## sample3859	7.917242	12.521457	10.588930	11.987154
## sample3860	11.342358	9.730576	9.496722	8.876656
## sample3861	11.479047	9.791981	10.580219	10.424542
## sample3862	12.389345	11.995602	11.236247	11.830207
## sample3863	9.279733	9.965796	7.777485	12.187907
## sample3864	8.929323	12.139969	9.241213	6.904721
## sample3865	10.714108	9.818637	7.601641	11.874137
## sample3866	9.357241	9.356056	12.962417	10.227241
## sample3867	8.388401	7.666406	13.700115	9.995087
## sample3868	11.535580	7.900881	7.528487	8.999462
## sample3869	9.601282	8.160624	9.162296	10.625416
## sample3870	11.161643	13.408631	9.567954	7.962098
## sample3871	11.536989	8.450360	13.028255	11.539679
## sample3872	10.049535	9.093520	12.830401	6.226782
## sample3873	8.585689	13.250146	5.581185	8.596869
## sample3874	7.308133	9.112457	10.456735	11.083809
## sample3875	9.962162	9.600236	9.864459	8.058190
## sample3876	9.282320	7.476976	6.670471	10.424106
## sample3877	11.936282	9.554451	9.914278	10.447718
## sample3878	6.576533	13.546956	13.098790	8.036015
## sample3879	8.964860	9.112713	8.066916	12.579297
## sample3880	6.869441	8.825712	6.870400	11.066453
## sample3881	7.247795	9.194975	7.959408	8.341048
## sample3882	8.711060	11.527005	5.893811	5.038310
## sample3883	9.433095	11.888967	11.555284	10.025571
## sample3884	9.180084	9.939309	9.539544	10.551702
## sample3885	10.950729	11.183305	11.769132	8.358632
## sample3886	8.798093	7.058281	10.297804	10.771739
## sample3887	7.229661	6.807318	11.610124	12.454296
## sample3888	9.722283	9.568198	10.615945	7.008159
## sample3889	11.332856	9.972361	9.357753	7.934809
## sample3890	6.494902	13.074639	9.726587	12.855770
## sample3891	12.197607	9.985164	12.650241	12.435859
## sample3892	12.957898	9.848099	11.615592	6.558831
## sample3893	8.755739	11.389237	7.593004	11.648265
## sample3894	8.363582	12.686355	12.468871	11.765022
## sample3895	10.506766	6.921278	10.024992	7.696995
## sample3896	8.116069	13.077334	8.970794	4.372605
## sample3897	8.215117	9.207330	10.422784	9.941579
## sample3898	8.463106	11.547774	6.526040	7.631301
## sample3899	10.622669	8.895775	6.673082	6.042027
## sample3900	8.000235	9.710449	9.550384	7.941282
## sample3901	12.957236	12.118670	7.435923	10.866495

```

## sample3902  6.897547  8.585157 11.280724  9.994143
## sample3903  9.828825  9.010256  8.209088  8.005330
## sample3904 11.738076  9.708509 11.939252  8.607988
## sample3905  9.348076 10.518783 13.404057 11.697087
## sample3906  7.633944  9.143120 11.512017 10.499742
## sample3907 11.812542  9.886564  9.509492 13.681522
## sample3908  9.599234  8.761214 10.334337  6.977336
## sample3909  8.080591  5.720213  8.949669 17.568460
## sample3910 12.201530 10.900514  9.351088 11.878761
## sample3911  6.123792 12.669637 10.796313  8.807604
## sample3912  9.502741 10.066732  9.237503  7.790999
## sample3913  9.503151 10.728370  6.102163  9.718272
## sample3914  9.349730  9.034054 11.660715 13.969593
## sample3915  8.190623  7.835653  9.608755  9.204157
## sample3916 10.860223  7.581190  8.642200 10.190147
## sample3917  5.932352 12.958938 12.454446 11.269706
## sample3918  8.594952 11.739257 14.337773 11.569250
## sample3919  9.881110  6.562043 10.916712 11.291487
## sample3920 10.227059 12.009970 10.765981  9.111442
## sample3921  8.518299  7.862822 12.994372 10.286004
## sample3922  8.201311 10.672803  9.398608  9.617339
## sample3923  7.109438  8.322418 11.333229 13.783937
## sample3924  8.796555  8.530056 13.257037 12.903340
## sample3925 14.517193 12.293674 11.258652 11.594515
## sample3926  8.608192 11.898930  8.809551 15.066314
## sample3927  9.422242 11.411853 10.201786  9.469830
## sample3928 11.348459  8.731580 11.794657 10.628998
## sample3929 10.358805 15.367569  8.727902 11.509200
## sample3930 11.437297 10.171277  8.568675  9.434329
## sample3931  6.489098  4.288529 11.438801  9.287004
## sample3932 12.696892 11.284348  9.866883 10.692983
## sample3933 10.625196  9.736814  8.371684  6.024553
## sample3934  7.973194  6.175174 12.144322  8.263825
## sample3935 12.854042 11.718741  8.964861  9.881317
## sample3936  7.983887 11.688666  9.070069 12.071053
## sample3937  8.202487 10.749821 12.736587  8.075469
## sample3938 11.402006  8.519017 13.387302 11.550222
## sample3939 12.817769  6.359021 10.429502 10.894280
## sample3940  7.508860  9.649646 12.035007  9.801269
## sample3941  8.688792  8.002476  8.975151 10.415219
## sample3942 10.721645  8.233486  6.527923  9.676228
## sample3943 10.190446  7.170132 10.603897 12.500482
## sample3944 10.038298 12.872430 10.350722  7.714565
## sample3945  9.700116 10.504904  8.458153 11.290062
## sample3946  9.619771  9.184737 12.222987 11.046447
## sample3947 11.601047 11.067001  6.949850 10.393521
## sample3948 10.727336 10.138567  8.584062  9.164559
## sample3949  9.851543 10.108152  9.979629  6.429887
## sample3950 10.202369  8.876396  9.838747  7.590500
## sample3951  9.745934 11.775225 10.337491  7.116633
## sample3952 11.083025 11.059499  8.738349 10.359537
## sample3953  5.809010  9.222189 10.722978 15.555573
## sample3954  9.732818 10.118891  9.569943  8.294446
## sample3955 10.277645 10.605982 12.138324 12.009956

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## sample3956	8.342911	8.888620	10.539621	10.359980
## sample3957	9.278570	9.148184	8.096676	9.154804
## sample3958	12.819774	9.063379	11.473440	7.982398
## sample3959	9.798964	9.380242	8.370109	10.725914
## sample3960	10.773599	7.342148	3.789845	8.783723
## sample3961	6.358625	8.224605	9.222790	12.404032
## sample3962	8.864436	10.511824	9.744715	6.470234
## sample3963	10.467447	9.942516	9.278312	9.824087
## sample3964	9.508585	12.015471	7.904398	8.589795
## sample3965	7.761616	7.199367	7.666574	11.046313
## sample3966	10.921677	10.019945	10.876855	11.015508
## sample3967	10.650981	9.107656	11.600354	12.535621
## sample3968	8.416425	6.669090	12.261918	6.128738
## sample3969	7.505629	9.824046	10.268309	5.677380
## sample3970	14.552805	14.901789	11.903978	8.999593
## sample3971	10.073101	7.761640	12.149083	8.900570
## sample3972	11.110204	7.609118	6.515763	9.758240
## sample3973	9.824897	11.388594	10.621602	8.895652
## sample3974	12.259250	8.025603	9.519475	6.989686
## sample3975	11.431243	9.072383	11.240472	12.074044
## sample3976	11.623461	8.926432	11.208500	9.064879
## sample3977	10.288462	9.906748	12.903678	4.214256
## sample3978	12.982391	13.888951	10.273027	9.326573
## sample3979	8.024670	11.783436	10.904590	7.937516
## sample3980	10.641759	9.229521	7.713335	10.818375
## sample3981	12.600929	10.530601	10.090092	11.119818
## sample3982	13.946341	8.047289	6.872934	12.196652
## sample3983	8.005899	9.726861	8.251749	13.629228
## sample3984	10.541127	10.354356	11.725373	10.507330
## sample3985	9.538771	8.652324	5.637592	9.728551
## sample3986	10.351451	5.970879	7.431979	8.714453
## sample3987	12.649452	8.480520	7.737859	11.719636
## sample3988	13.249039	10.949939	9.177349	4.661386
## sample3989	8.430564	8.432230	11.437354	11.629449
## sample3990	9.289483	9.416281	10.357011	8.778722
## sample3991	10.649466	9.787085	9.323939	10.933595
## sample3992	9.814886	5.700952	12.966001	7.038875
## sample3993	12.205848	12.455406	11.882143	10.199567
## sample3994	11.542899	7.464197	7.466300	12.737251
## sample3995	11.267709	10.573902	13.039163	9.494815
## sample3996	9.484797	13.091919	13.825455	9.906181
## sample3997	10.302980	9.089682	11.411944	10.315272
## sample3998	11.262968	11.017105	9.383648	9.341082
## sample3999	8.419187	9.714132	5.934343	7.166619
## sample4000	12.479887	7.904260	11.353940	6.703942
## sample4001	11.281689	9.675143	10.994409	11.920975
## sample4002	6.797244	10.067639	7.082468	12.067493
## sample4003	8.444369	7.812750	12.056028	9.008630
## sample4004	6.705215	11.144694	11.198978	11.190424
## sample4005	10.308532	7.441944	11.857017	9.549997
## sample4006	7.648737	9.411525	9.633783	11.203703
## sample4007	7.795744	8.112314	7.550955	12.403389
## sample4008	10.776890	13.424017	7.918168	11.255571
## sample4009	6.567064	8.664876	9.753536	11.679666

```

## sample4010  9.419878  7.513216  8.839460 11.365896
## sample4011 10.813871 10.824415  6.124237 11.414866
## sample4012  7.437414 13.246825 11.731938  9.729504
## sample4013  6.543531  9.994412 10.017697 10.722874
## sample4014  8.623449 11.864119 11.272399 13.596547
## sample4015 11.356591  9.449946 10.474565  9.928657
## sample4016 11.777977 11.053995 10.733458  7.986997
## sample4017  8.239078  9.112094 10.638768  9.565906
## sample4018 11.947717 10.314157 11.902233 10.403146
## sample4019  9.026574 12.948589 13.790417  8.150109
## sample4020 10.990430 12.008751 11.320930  9.024291
## sample4021 13.948090 12.495881 10.957648  8.129376
## sample4022 11.990381 10.639637 12.131408  7.806925
## sample4023 11.781922  6.031436  8.479513  8.679569
## sample4024  9.212257 13.265458 11.816300  9.734610
## sample4025  5.166626  9.940227 10.808494 12.176889
## sample4026  8.504242 12.301094 10.688461 12.034372
## sample4027 11.464235  6.623894 11.424789 12.464911
## sample4028 11.253897 10.462910  8.726795  5.845250
## sample4029 10.907381  9.310993 10.355793 11.097353
## sample4030 11.267839  9.347227  9.979040  8.656980
## sample4031 10.700180  6.452737  7.829287  9.829465
## sample4032  5.466824 10.323583 10.311396 10.339650
## sample4033 10.509192  9.022293  7.321033  6.426256
## sample4034 11.132415 11.805338 11.974344 14.901911
## sample4035  7.205390  5.516334  7.275180  8.157376
## sample4036 11.356818 10.959344 10.592729  9.083673
## sample4037  8.315862  8.479014 11.401200  7.642917
## sample4038  6.893967  2.872515  5.735724  7.472433
## sample4039  9.162186  9.177920  8.392684  7.564894
## sample4040  6.630047  7.757936 10.002013 10.893572
## sample4041  8.062744 11.742007  9.086136 11.815191
## sample4042 10.017227 14.057550 10.440626  8.685501
## sample4043 12.046366 10.386578 10.783010 11.559598
## sample4044 11.570214  7.667277  8.385399 10.025831
## sample4045  9.190867 11.475757  8.724953  9.505985
## sample4046 11.187494  8.164064  8.587114  9.542574
## sample4047 10.506350  7.884536 10.566356 10.854213
## sample4048  9.421559  7.619384  7.275369  8.880484
## sample4049 13.657885 10.941652  8.436314 10.936355
## sample4050 11.482446 13.810247 11.811545  8.105900
## sample4051  9.640013  9.085683  9.454788 10.772809
## sample4052 11.315264  8.544456 12.929289  9.241747
## sample4053  8.991472  5.205723  8.107674 12.174781
## sample4054 10.720796  7.835441 10.807637  8.999681
## sample4055  5.246954  7.821361  5.684240 11.709210
## sample4056 12.876305 11.662992  7.067118  8.988056
## sample4057  9.987336  9.695901  9.499988 11.946858
## sample4058 11.050435 11.817858 10.593807 15.860221
## sample4059 10.707422  8.066663 14.440322  9.261689
## sample4060  8.616584 11.476951  9.564626 10.255868
## sample4061 11.934181  9.627333  9.937953  9.918808
## sample4062 11.165298 12.804705  9.495983  9.366520
## sample4063  8.638525 10.633248 11.767120 10.063812

```

## sample4064	8.138081	13.795928	11.732984	11.552888
## sample4065	12.827025	7.807668	11.836320	7.848955
## sample4066	9.387629	9.650508	8.338811	4.596039
## sample4067	9.988220	12.943978	9.645762	8.450618
## sample4068	9.729905	14.065041	9.375758	10.342780
## sample4069	8.373472	8.078334	11.264286	10.060760
## sample4070	13.535705	9.494228	8.564594	12.553211
## sample4071	10.429715	10.842116	8.391724	8.640698
## sample4072	8.192370	8.850046	14.582571	13.722839
## sample4073	10.232493	7.919147	11.149123	5.831692
## sample4074	10.059661	10.532970	12.932635	7.427099
## sample4075	7.816781	8.135012	11.283640	12.324292
## sample4076	9.407934	10.278064	9.260002	10.175596
## sample4077	8.434807	11.074130	14.095007	13.297987
## sample4078	12.193661	9.082525	6.170888	11.454971
## sample4079	13.389039	8.315978	7.508831	9.389344
## sample4080	11.057948	11.564780	12.572822	6.319115
## sample4081	11.294796	11.233216	11.144142	11.096058
## sample4082	13.480206	10.952957	8.238870	8.552262
## sample4083	9.838381	13.993588	9.000181	9.816293
## sample4084	9.540869	12.944657	12.603256	9.663648
## sample4085	7.865705	15.330976	8.893927	11.845487
## sample4086	13.827505	9.046294	8.643524	13.665237
## sample4087	9.916571	12.391428	12.197344	11.484753
## sample4088	6.766193	8.868443	10.202257	11.867466
## sample4089	9.922822	12.454085	13.214592	9.914048
## sample4090	13.506974	13.034697	9.017369	7.297479
## sample4091	10.870392	10.511100	9.522489	8.046512
## sample4092	10.866410	12.721045	9.793629	5.399597
## sample4093	6.866139	9.441834	10.749907	10.229320
## sample4094	11.283740	8.044064	14.748999	10.823894
## sample4095	13.768417	9.026582	10.356657	11.357777
## sample4096	7.846001	6.126085	7.722310	8.511776
## sample4097	7.761046	13.450199	9.918882	6.782154
## sample4098	13.417910	13.190395	8.702309	9.996026
## sample4099	8.246862	9.801142	8.445222	7.917604
## sample4100	10.817922	5.371958	7.848253	7.982099
## sample4101	12.289059	7.828321	8.711316	11.228284
## sample4102	7.477838	7.136718	7.234354	9.586568
## sample4103	12.531102	11.707395	10.331691	7.209856
## sample4104	8.864837	9.007908	10.895524	9.466310
## sample4105	11.397783	8.935559	8.420390	9.235439
## sample4106	11.292591	10.793727	13.466388	10.547946
## sample4107	10.620373	5.564932	8.840623	4.582298
## sample4108	13.805408	10.051414	12.514556	9.960754
## sample4109	10.426144	10.165103	9.893582	8.881201
## sample4110	9.396458	8.109991	15.235695	8.611353
## sample4111	8.310320	9.810248	11.579851	11.051319
## sample4112	9.497693	8.082602	10.849460	11.464043
## sample4113	8.863701	8.010447	7.086503	9.731276
## sample4114	10.400283	6.185351	12.915643	11.212127
## sample4115	13.032776	10.387253	15.164643	8.932207
## sample4116	10.021094	8.916594	6.289105	8.044752
## sample4117	10.194036	8.865874	9.067768	11.095443

```

## sample4118  9.853333  7.847993 11.093736 11.067603
## sample4119  9.204740 12.011911  8.543043  7.627987
## sample4120 10.066420 11.418702 10.259924  7.976726
## sample4121 11.555566  9.097732 10.388538  8.959340
## sample4122 10.188423  9.414343 10.033051 10.128438
## sample4123 10.666627 10.610996  9.923615  8.888142
## sample4124  6.633905 12.202930  8.796074  9.102168
## sample4125 11.488360 11.887607  7.338236  9.295607
## sample4126 10.356857  8.324528 10.669000  8.673662
## sample4127 10.740335  9.299204 10.176530  9.077270
## sample4128 14.514974 10.744171  9.757550  8.950751
## sample4129 11.571503  7.779677 10.905375  9.868863
## sample4130  8.505572 11.772114  9.447579 15.906892
## sample4131  8.473654  9.754681 11.319145  8.734751
## sample4132 12.870661 11.622421 11.465566  6.566180
## sample4133 11.387258  9.510037 12.476252 10.919524
## sample4134  5.446919  7.048765 10.189003 11.475034
## sample4135 10.592645 11.791988 12.893345 12.231843
## sample4136  8.858290 10.925273  8.572540 10.488228
## sample4137 12.299130  9.512111  9.917293  7.019873
## sample4138  7.645905 10.733541 12.141585 14.833739
## sample4139 13.022283 10.831541 11.709307  7.810108
## sample4140 12.470011 10.305205 10.201325  9.013240
## sample4141 10.499449 10.568085 10.140956 11.411357
## sample4142  8.971348  9.977024  9.610695 10.052534
## sample4143  9.861850 11.570937 13.663746 11.362639
## sample4144  6.874193 10.090537  9.879050  9.304907
## sample4145 11.259021 10.619425  8.214095 11.721931
## sample4146 10.924458  9.859410  7.291546  7.389935
## sample4147  7.807498  7.731743  9.475285  7.244796
## sample4148 11.141070  8.679780 12.129115  7.893192
## sample4149  7.483820 10.728062 11.673515 11.195407
## sample4150 11.081986 12.226599  9.668234 12.547930
## sample4151  6.425099 11.073334  8.441269  8.713530
## sample4152  9.754444  9.402807 10.332295 10.110665
## sample4153 11.267666  7.851959 10.366675  6.460561
## sample4154 14.309544  5.975523 10.505485  9.618013
## sample4155 11.035069 11.654891 12.483882  5.318172
## sample4156  6.302202  8.728611  9.269140 10.923722
## sample4157 13.966488 13.006510  7.486603  9.985969
## sample4158  8.375329 10.689621 10.339634 11.654107
## sample4159 10.190306  8.396044  8.333146  7.259680
## sample4160 12.174398 12.319571 15.167053 11.270300
## sample4161 10.124233  7.859125  5.985389 11.422683
## sample4162 12.532578  8.807494 10.067663  8.109683
## sample4163  8.914364  9.939158 10.880170  8.424529
## sample4164 12.512524  9.010005 11.207017 12.460708
## sample4165  8.722056  9.985496 12.244460 14.674275
## sample4166  7.952901 11.881118 10.769417  7.452816
## sample4167 11.729169  9.573121  7.867374  5.916207
## sample4168 12.190622  7.274593  9.839537  7.511081
## sample4169 10.043592  7.383445 10.567494  9.858211
## sample4170  8.297934 11.769879 13.368301 12.958736
## sample4171  9.774051  7.652866  9.872537 13.549377

```

```

## sample4172 12.030732 9.517217 10.517330 8.411174
## sample4173 9.679291 8.078445 10.099954 10.617554
## sample4174 11.646858 9.896358 10.954751 7.636119
## sample4175 8.487548 10.034204 7.845921 9.129840
## sample4176 8.047740 10.169094 10.509745 5.894205
## sample4177 10.521532 7.704983 7.999621 10.532396
## sample4178 8.260937 12.214216 8.374344 11.274836
## sample4179 11.456361 10.910445 8.445050 13.579969
## sample4180 6.590832 9.258182 9.114909 11.753387
## sample4181 10.801007 7.454420 8.876200 6.760849
## sample4182 11.637498 9.391880 11.354673 9.924548
## sample4183 12.101388 15.384404 9.151816 8.972157
## sample4184 6.732844 8.400113 8.298698 8.140755
## sample4185 7.943276 8.277744 8.492507 7.915809
## sample4186 7.555357 7.782232 10.585130 9.409214
## sample4187 11.509700 9.382563 8.010306 8.616017
## sample4188 13.844035 10.638821 9.997584 9.587223
## sample4189 7.417031 10.086929 9.445824 11.772921
## sample4190 6.447894 12.164657 10.275924 11.020450
## sample4191 5.709318 10.279255 8.061229 10.106296
## sample4192 7.587860 7.682531 12.565251 9.325330
## sample4193 11.923210 8.349860 11.944546 11.791288
## sample4194 9.865048 12.101732 4.639913 10.256373
## sample4195 8.241676 8.723577 5.817907 11.361704
## sample4196 10.119036 12.074833 8.664152 8.732712
## sample4197 7.576318 12.833518 8.505864 10.466124
## sample4198 9.210532 7.856342 6.221450 8.352903
## sample4199 8.475922 10.646031 10.644009 7.354573
## sample4200 11.582585 7.667361 8.392923 13.633816
## sample4201 12.909345 12.285597 11.516391 11.335553
## sample4202 7.448868 12.762188 10.516075 10.682974
## sample4203 10.957360 9.632739 12.883050 6.024946
## sample4204 10.416285 11.947556 9.440508 13.380396
## sample4205 11.405084 8.815015 12.630270 11.729221
## sample4206 5.515200 6.263253 8.483074 6.607043
## sample4207 5.866004 7.660621 8.969510 8.761210
## sample4208 14.153785 11.849932 11.618006 9.008564
## sample4209 10.201488 10.277433 11.122290 9.029665
## sample4210 8.897321 8.311980 12.888970 8.824291
## sample4211 8.427742 7.756760 10.782735 8.263105
## sample4212 6.957126 11.563705 11.008048 7.412785
## sample4213 14.927350 7.159745 10.805005 8.898176
## sample4214 10.460235 14.412762 9.008557 6.110066
## sample4215 7.212624 8.254308 9.982180 7.143347
## sample4216 10.527341 9.665143 11.068273 9.237515
## sample4217 14.464355 13.609263 8.949817 11.495954
## sample4218 11.069757 11.305752 11.662960 12.955261
## sample4219 10.727503 8.730048 11.564534 9.920814
## sample4220 9.063315 10.752977 13.025583 8.479814
## sample4221 7.231169 11.999418 12.975105 8.698237
## sample4222 7.256915 10.073786 9.249302 12.450677
## sample4223 13.079712 10.777240 13.160370 10.699596
## sample4224 10.564100 11.585552 12.358894 6.682691
## sample4225 9.910996 8.439603 7.745949 13.332514

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## sample4226	9.283277	11.159059	8.991530	11.957218
## sample4227	7.882736	6.392537	11.111791	9.274795
## sample4228	9.618009	11.094115	14.192653	10.220977
## sample4229	7.121804	5.995788	10.936898	6.892702
## sample4230	12.437521	6.892746	6.240383	5.664748
## sample4231	12.152765	9.704715	11.087151	11.017429
## sample4232	8.154136	7.924457	9.292805	11.851292
## sample4233	9.003477	10.948589	9.745641	12.006879
## sample4234	11.802902	12.133543	6.812104	8.896917
## sample4235	10.170114	9.210089	11.932086	8.019046
## sample4236	10.646438	11.765346	10.843174	8.178630
## sample4237	8.106252	11.793061	8.937142	8.883260
## sample4238	8.931933	7.910219	10.929472	10.486557
## sample4239	8.975738	8.449715	9.938628	7.019622
## sample4240	10.070923	13.413103	9.875285	8.529384
## sample4241	15.748120	8.672763	10.884501	9.247429
## sample4242	8.736806	14.435904	12.391142	9.181329
## sample4243	10.579605	12.913710	10.464110	9.807353
## sample4244	8.910510	7.902550	10.631267	9.437537
## sample4245	9.931336	11.336042	10.195422	10.996646
## sample4246	10.872326	6.703611	8.856905	10.872430
## sample4247	10.588374	14.226824	9.518425	11.252518
## sample4248	9.686006	10.109183	11.651401	11.228955
## sample4249	11.703604	11.160670	13.089296	11.731338
## sample4250	7.584999	11.087304	10.061064	5.646510
## sample4251	13.478000	14.006152	11.123361	8.769621
## sample4252	10.186124	11.631571	9.984694	11.092254
## sample4253	11.618219	9.060428	9.282152	11.523580
## sample4254	7.624317	8.456967	9.171190	10.727239
## sample4255	8.928281	8.180830	11.023204	8.769434
## sample4256	13.175442	12.152534	10.575838	12.268332
## sample4257	10.737220	10.787296	10.694172	8.064162
## sample4258	11.327263	12.102539	9.361715	8.862618
## sample4259	11.732941	10.823947	11.242635	13.257111
## sample4260	10.700261	11.067100	10.521773	9.692897
## sample4261	11.757461	5.998462	11.587834	10.691494
## sample4262	10.160132	9.274677	9.176652	6.518321
## sample4263	9.724555	8.522721	9.043973	10.948055
## sample4264	10.660974	7.608633	8.358478	9.466358
## sample4265	10.339168	9.967463	11.462325	11.428965
## sample4266	11.376966	10.216275	8.697206	12.458259
## sample4267	10.538069	5.270104	10.567769	10.332842
## sample4268	10.587956	6.778169	13.513347	8.341239
## sample4269	7.106754	10.545942	9.035517	9.875976
## sample4270	8.976618	8.905133	8.623028	6.834693
## sample4271	11.192724	9.690038	12.382345	11.079719
## sample4272	7.641984	8.706513	11.562716	8.681776
## sample4273	8.382796	8.582449	12.009336	13.053131
## sample4274	7.727845	9.636359	12.233020	6.862679
## sample4275	8.136646	10.267138	8.662734	13.222217
## sample4276	7.515132	9.254798	10.641522	7.819118
## sample4277	10.143667	11.399131	10.586224	13.637764
## sample4278	9.391545	13.188354	12.059751	10.551762
## sample4279	13.597811	12.389468	10.222414	12.081473


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## sample4280 11.404805 10.423943 10.410350 8.998291
## sample4281 10.731267 12.527173 12.697298 11.357275
## sample4282 10.501729 11.949442 8.952768 13.528741
## sample4283 12.870510 9.088115 8.466453 11.329979
## sample4284 7.938256 6.697058 9.698637 12.081372
## sample4285 12.395181 7.848030 9.654809 10.592280
## sample4286 7.060061 9.602516 10.414082 11.648536
## sample4287 11.892010 10.233199 10.666271 8.319963
## sample4288 10.178804 10.275497 8.703260 12.316990
## sample4289 10.774322 7.932602 6.337846 9.651238
## sample4290 8.807068 10.488688 10.821937 7.525376
## sample4291 9.341562 10.029120 12.033776 11.565658
## sample4292 9.153012 7.200936 8.421105 8.725087
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## sample4294 12.103418 9.312155 13.365419 10.466006
## sample4295 7.494942 11.284156 14.108261 11.568414
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## sample4298 11.146228 7.300342 8.143151 8.674954
## sample4299 10.180036 10.773857 9.587378 11.474071
## sample4300 11.533592 10.755759 8.803791 10.792030
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## sample4302 9.968111 9.883810 8.959736 9.445678
## sample4303 9.386252 13.288315 8.130334 7.896335
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## sample4305 9.468564 7.765130 10.110312 8.628754
## sample4306 9.543201 9.395322 12.770690 8.520655
## sample4307 9.542455 11.282638 10.730614 8.352154
## sample4308 10.546827 9.361086 11.093430 9.059729
## sample4309 5.793259 9.545512 10.159342 9.420061
## sample4310 10.369124 8.056446 9.650978 9.351490
## sample4311 9.328840 8.537943 7.292969 9.349704
## sample4312 13.260034 8.544083 10.330872 9.271851
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## sample4314 9.322463 6.972485 8.253285 10.208885
## sample4315 10.693705 12.113538 11.540804 10.656336
## sample4316 11.000936 8.149799 14.474973 10.174713
## sample4317 9.602745 13.258353 9.660903 11.014622
## sample4318 10.108765 5.686257 14.245638 10.847729
## sample4319 9.811757 9.091688 9.654049 11.395051
## sample4320 10.760405 7.988541 8.990885 10.269827
## sample4321 11.164644 11.149502 11.274312 8.658996
## sample4322 11.672953 8.979855 11.976043 7.905583
## sample4323 5.754706 10.593163 13.911188 9.990884
## sample4324 9.216343 9.943713 10.936190 9.887602
## sample4325 10.957680 11.238038 11.432592 12.305120
## sample4326 10.814545 12.043800 13.681775 11.292584
## sample4327 14.441117 9.805615 10.528188 11.031651
## sample4328 11.473459 11.000092 9.913399 10.152021
## sample4329 9.631241 6.391931 11.717310 11.563688
## sample4330 9.954158 8.624389 12.813599 10.340356
## sample4331 10.828311 11.205872 10.017302 11.983562
## sample4332 9.462475 10.011957 10.637536 11.725702
## sample4333 8.296804 10.979843 8.135481 8.585685

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## sample4334 10.298175 6.025232 11.249653 11.141243
## sample4335 13.761843 6.734039 10.667934 6.401242
## sample4336 9.496364 7.632459 10.813748 11.109464
## sample4337 9.745219 5.771296 9.237163 12.214695
## sample4338 7.546191 11.295751 13.395312 14.444666
## sample4339 8.222747 14.569106 9.854503 10.895372
## sample4340 9.471903 12.837737 6.105739 10.403372
## sample4341 11.315041 12.455395 10.805677 9.677885
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## sample4343 11.215475 8.152573 9.411983 9.942557
## sample4344 11.177427 7.618772 9.005392 10.942592
## sample4345 7.189408 10.630369 6.594036 10.811937
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## sample4348 9.269999 5.242135 9.906270 11.715032
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## sample4350 8.211096 11.905303 9.508894 11.548241
## sample4351 8.455047 12.021990 10.280738 7.930394
## sample4352 13.451365 9.218847 11.051664 11.661423
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## sample4357 6.431694 8.008398 10.704589 9.767163
## sample4358 15.171826 12.713042 10.986171 6.456266
## sample4359 12.213081 12.394802 9.363751 6.877482
## sample4360 12.158927 12.466085 10.771505 9.807795
## sample4361 6.651305 6.461562 8.096169 10.527346
## sample4362 10.870002 8.740244 6.072194 9.093546
## sample4363 8.083248 9.143838 9.832959 15.356829
## sample4364 9.541309 8.789021 8.846091 11.314827
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## sample4366 12.788758 9.033966 7.552364 9.125221
## sample4367 9.938301 10.556227 8.196052 7.313444
## sample4368 8.211376 8.720490 10.795423 9.076961
## sample4369 10.587577 10.765895 9.757974 10.509223
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## sample4371 7.709080 10.113183 7.074239 7.394647
## sample4372 9.526929 9.267716 7.678657 7.944339
## sample4373 8.162624 10.733023 10.072917 9.796043
## sample4374 10.354182 8.266804 10.004571 10.970844
## sample4375 13.773461 9.926095 11.533095 11.120071
## sample4376 9.745702 9.014650 7.579490 10.845607
## sample4377 7.156807 9.449255 4.541488 11.713438
## sample4378 9.712368 7.129154 8.767588 11.371570
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## sample4383 8.822118 10.110929 15.558679 9.751851
## sample4384 8.716389 11.514874 7.451536 13.848956
## sample4385 11.682514 9.304169 12.120635 9.367990
## sample4386 9.412315 13.919098 9.016649 13.053460
## sample4387 9.467546 11.929042 10.840676 11.878499

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## sample4388 11.338939 7.467961 12.002651 11.621422
## sample4389 14.419010 12.211002 12.196047 12.553405
## sample4390 7.633694 10.454112 10.058604 9.890686
## sample4391 11.332950 9.198403 11.167110 11.575531
## sample4392 12.278965 8.352036 12.423737 9.160879
## sample4393 11.457900 7.463264 10.650580 12.679911
## sample4394 9.781983 7.783403 12.576217 7.159729
## sample4395 11.132025 10.339737 12.627371 8.897599
## sample4396 11.000400 7.331399 8.540076 12.129843
## sample4397 12.796976 13.053669 13.606480 11.207254
## sample4398 10.120480 10.564502 8.296758 9.392206
## sample4399 10.873079 11.608150 11.482798 10.348443
## sample4400 11.149036 9.481917 10.708992 11.511045
## sample4401 8.464162 9.373958 7.206995 15.034656
## sample4402 10.931154 10.602482 12.335459 10.443437
## sample4403 5.961777 12.223358 8.690185 7.063006
## sample4404 12.327018 8.235348 8.205795 9.996105
## sample4405 8.587812 11.978404 13.279481 9.257622
## sample4406 7.699385 9.224207 10.893019 10.267578
## sample4407 8.639021 10.223156 10.992550 11.882657
## sample4408 9.392488 10.371922 7.728816 12.526213
## sample4409 9.788193 11.383196 7.580238 10.241106
## sample4410 10.984600 11.365547 11.953875 14.210274
## sample4411 10.470310 8.593384 13.513078 9.189845
## sample4412 10.000829 11.052384 9.664536 6.453372
## sample4413 9.118467 6.638773 11.531429 10.490530
## sample4414 10.597817 10.124304 9.429591 13.280278
## sample4415 11.202370 8.621752 12.113290 10.148225
## sample4416 8.265850 9.869760 13.686385 9.679294
## sample4417 10.689624 8.277882 7.467845 9.962299
## sample4418 8.009815 10.520983 10.011074 10.876288
## sample4419 10.796675 11.649207 12.390415 6.495748
## sample4420 10.715969 9.183254 7.142405 9.056250
## sample4421 8.213804 9.176111 10.821897 11.375496
## sample4422 10.837036 9.861358 12.832113 10.327112
## sample4423 8.038953 9.772767 6.830564 13.963434
## sample4424 13.894464 10.429835 9.293622 10.077255
## sample4425 10.193396 5.458567 13.815502 10.551780
## sample4426 11.776152 9.523325 11.111028 7.767268
## sample4427 10.772124 9.858435 9.260659 10.582182
## sample4428 11.572440 9.016835 9.475281 7.835825
## sample4429 13.655698 9.813860 12.103345 3.975962
## sample4430 10.967666 7.715806 8.586105 8.419405
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## sample4434 9.355459 10.937759 9.747698 7.623854
## sample4435 10.402177 9.921277 10.842669 11.377274
## sample4436 11.938121 8.541962 7.480065 13.107742
## sample4437 9.264984 6.761074 14.472672 9.465322
## sample4438 10.681007 10.319110 10.445208 12.225508
## sample4439 10.035260 9.027729 10.185652 11.315038
## sample4440 14.381074 10.934125 8.944383 6.845173
## sample4441 10.128519 9.153360 8.132112 10.690647

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## sample4442 11.682436 9.965495 9.482955 11.908181
## sample4443 15.260176 5.058006 10.590126 8.034525
## sample4444 11.229704 9.489050 13.065256 7.576178
## sample4445 3.128084 6.103110 10.006207 13.223688
## sample4446 11.038411 12.371549 9.131121 5.400158
## sample4447 10.792483 8.947026 13.970111 10.533417
## sample4448 8.700380 13.020752 7.058500 11.823493
## sample4449 8.963434 13.049896 8.119755 11.484010
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## sample4453 13.280705 11.106685 8.377338 7.966455
## sample4454 10.084860 8.829527 9.577952 9.507568
## sample4455 10.457262 8.367956 9.051157 10.501096
## sample4456 9.457501 9.280813 9.909932 12.809672
## sample4457 6.209283 7.847980 9.889058 11.535433
## sample4458 9.212676 9.542473 10.599863 7.134613
## sample4459 11.825100 11.053816 9.515740 11.248637
## sample4460 7.503385 8.220293 8.586788 9.637001
## sample4461 12.818322 6.387206 8.489537 10.834531
## sample4462 10.986410 5.769993 10.306629 14.475577
## sample4463 10.620003 13.124713 8.428635 8.360818
## sample4464 9.246547 12.814189 13.576293 9.663994
## sample4465 10.761584 10.368131 6.781851 11.984687
## sample4466 8.727000 11.133507 11.382668 11.930913
## sample4467 10.459446 8.882791 8.268357 8.254331
## sample4468 11.229672 9.158906 11.691003 15.357361
## sample4469 8.486261 9.296943 8.326710 10.324158
## sample4470 9.959784 9.390677 8.272959 7.585358
## sample4471 11.686634 11.158736 12.776272 10.691760
## sample4472 8.475083 10.190858 14.607377 7.215721
## sample4473 11.543344 9.408857 10.677986 11.470067
## sample4474 10.543091 10.717758 8.749800 8.957515
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## sample4476 7.662549 7.928019 13.732440 8.839392
## sample4477 7.959023 10.694551 7.275251 10.809044
## sample4478 10.611458 10.802475 13.676418 13.646545
## sample4479 8.408019 11.061009 11.717890 8.929822
## sample4480 8.676681 11.936451 9.176798 8.773033
## sample4481 11.293415 8.635860 11.238422 11.620786
## sample4482 11.490779 9.220268 12.085487 12.894578
## sample4483 10.107865 10.163579 7.814741 11.994355
## sample4484 10.590063 7.316873 7.864811 11.086048
## sample4485 9.678329 8.066444 9.892381 13.724916
## sample4486 11.289159 12.301475 8.095837 10.058951
## sample4487 9.539953 10.294555 7.078101 10.592983
## sample4488 10.025035 10.775476 12.632766 11.091104
## sample4489 13.728015 11.018648 7.986286 12.149498
## sample4490 9.554685 10.475041 10.696990 7.650441
## sample4491 9.940493 9.300479 11.306904 11.760183
## sample4492 12.275632 14.030706 12.425896 13.074054
## sample4493 10.438151 12.285368 7.535114 9.918996
## sample4494 10.330911 8.702538 12.933786 10.127975
## sample4495 8.703969 11.534476 11.611148 5.607947

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## sample4496	8.927001	7.034500	7.456520	12.794756
## sample4497	10.918661	6.998042	8.046723	9.952788
## sample4498	11.753951	12.306934	7.876567	8.850121
## sample4499	8.916237	9.472827	7.517660	9.674463
## sample4500	9.095083	10.477511	10.766968	11.792451
## sample4501	9.787832	10.249669	8.703794	7.350936
## sample4502	10.209989	8.889281	10.660567	10.235998
## sample4503	14.035367	11.095027	7.896106	11.398048
## sample4504	11.634361	9.552919	8.350478	8.049581
## sample4505	11.715757	13.049968	5.167883	5.260802
## sample4506	11.566666	12.306152	9.458585	15.080310
## sample4507	13.957954	15.082663	8.914398	11.052034
## sample4508	11.261757	12.239301	11.919445	9.202257
## sample4509	11.592208	11.975997	9.294848	8.133624
## sample4510	11.759933	12.549475	10.257260	10.411114
## sample4511	11.782195	9.021799	12.429881	9.153018
## sample4512	8.743940	7.496386	9.539808	8.101763
## sample4513	8.338685	11.168019	11.944420	9.294545
## sample4514	12.777797	16.545789	11.927612	11.147838
## sample4515	11.357301	9.792092	9.403854	5.263006
## sample4516	13.591362	12.235667	11.762478	8.629443
## sample4517	7.264826	9.620982	9.510113	13.679852
## sample4518	14.732418	5.147934	6.408240	8.966557
## sample4519	9.860709	11.278767	9.204881	8.833290
## sample4520	11.241357	3.937976	10.414386	12.238392
## sample4521	11.289695	12.636121	8.898332	7.817433
## sample4522	11.382328	8.924062	10.533650	7.621055
## sample4523	11.703210	9.756679	12.241954	12.302444
## sample4524	11.557411	13.172556	8.234038	7.782940
## sample4525	7.571747	8.138462	9.138222	12.399651
## sample4526	10.595986	9.284323	11.756393	5.749029
## sample4527	12.373514	11.243249	6.036289	10.251200
## sample4528	9.794877	9.517344	9.792976	13.357189
## sample4529	9.417411	13.932578	10.550418	9.200679
## sample4530	13.322820	8.829587	7.539690	8.342649
## sample4531	11.757524	13.327731	11.722538	9.585871
## sample4532	10.879648	10.170839	10.163414	10.735143
## sample4533	9.562780	11.695329	10.662375	9.844897
## sample4534	10.743850	9.037283	8.185275	11.109244
## sample4535	11.301315	14.454263	6.461714	7.923781
## sample4536	10.555950	9.846452	8.903046	9.926755
## sample4537	10.912890	6.892976	9.124729	11.417054
## sample4538	11.732863	11.309875	5.661301	11.837001
## sample4539	8.686477	10.478850	7.996102	9.186191
## sample4540	11.364163	11.091733	11.551281	9.225572
## sample4541	14.835073	7.193222	10.190662	11.205417
## sample4542	8.996689	11.026462	5.067230	12.680290
## sample4543	7.756145	9.301013	10.020238	10.827030
## sample4544	12.116972	12.403232	11.434529	7.404015
## sample4545	7.623823	11.234257	9.048533	11.984294
## sample4546	8.934799	10.635472	9.389105	5.252267
## sample4547	15.149703	12.461661	14.342597	9.443595
## sample4548	6.950781	9.733852	10.190829	11.535729
## sample4549	10.022271	11.230643	11.612583	7.216743

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## sample4550 8.188452 9.595695 8.422943 9.592961
## sample4551 11.265582 7.958925 9.511619 10.775063
## sample4552 10.980803 8.801073 11.018470 11.106395
## sample4553 10.545115 12.508452 11.550865 5.291438
## sample4554 11.921396 8.037635 9.425679 6.539843
## sample4555 12.132616 10.931337 9.671439 11.617942
## sample4556 7.870247 7.757973 10.879309 6.968276
## sample4557 7.430635 12.728834 10.424640 10.607307
## sample4558 11.048768 8.253958 10.467590 10.272509
## sample4559 10.463332 12.877110 11.536482 9.327501
## sample4560 7.306448 10.074378 7.000623 10.563276
## sample4561 11.652271 10.680787 10.554682 11.635588
## sample4562 15.524475 10.469397 9.266984 12.296376
## sample4563 7.522430 12.153118 5.282597 7.691016
## sample4564 9.164797 12.863225 9.841353 11.872916
## sample4565 9.715603 8.764789 9.263313 8.948791
## sample4566 13.628726 9.574478 6.613564 9.649192
## sample4567 8.717573 8.505885 10.321757 9.938158
## sample4568 9.046655 10.963557 9.207820 9.324343
## sample4569 9.326199 8.985907 11.386287 8.973615
## sample4570 10.034926 10.297254 8.638436 9.625040
## sample4571 6.109687 13.710719 8.386833 6.744596
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## sample4573 12.722188 9.927905 6.668124 9.948513
## sample4574 7.607780 8.810252 9.446111 9.320649
## sample4575 10.557664 5.342311 6.920194 10.586679
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## sample4577 9.623271 9.506647 7.122598 10.330718
## sample4578 13.518649 11.603813 10.004353 7.933717
## sample4579 10.747175 7.784319 9.014561 10.758294
## sample4580 6.935704 7.523502 11.228057 7.667735
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## sample4584 10.419122 11.830429 10.530389 8.476874
## sample4585 13.388736 12.653389 9.155197 8.538936
## sample4586 9.059652 12.428528 8.187674 9.841324
## sample4587 10.948282 9.492876 11.393204 7.508568
## sample4588 10.036758 6.298073 9.591127 13.141243
## sample4589 12.277903 10.096280 9.323636 10.394236
## sample4590 8.024388 10.615399 8.744160 6.551013
## sample4591 8.843261 9.184052 7.486768 6.313751
## sample4592 9.765192 6.194328 8.252007 10.190959
## sample4593 9.969042 7.685547 10.290821 9.824765
## sample4594 8.697390 8.850008 9.343738 7.797386
## sample4595 10.462728 10.297372 13.234720 8.949398
## sample4596 10.186634 9.072918 7.885886 7.231011
## sample4597 9.813829 11.590624 10.531410 7.124497
## sample4598 9.949859 13.426761 14.693517 11.340676
## sample4599 9.836941 7.903564 8.413279 7.579430
## sample4600 8.302177 11.404921 7.454578 8.620509
## sample4601 8.989132 16.039757 14.115891 10.320240
## sample4602 8.518563 6.426214 11.414167 15.623741
## sample4603 9.739265 9.951544 8.928454 9.097284

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## sample4604  9.221366 11.197438 10.769222  8.004079
## sample4605 10.878898  8.217156  8.802982 12.423669
## sample4606  9.984041  9.168300  9.679347  8.441540
## sample4607  9.265506  9.176567  8.682902  8.045899
## sample4608 14.536748 11.534099  8.773552  9.053413
## sample4609  8.999347 12.863530 10.368068 11.850314
## sample4610  9.347296  6.293118  8.556932  7.886650
## sample4611  7.778486  6.648296  6.306921  8.704412
## sample4612 10.379730 11.156167  8.536053 12.354833
## sample4613  7.792178 11.340279 10.550034  8.352659
## sample4614 11.425844 10.616782 12.775589  9.578792
## sample4615 10.563367  8.076255 10.105896  6.850150
## sample4616 12.249892  7.057420 11.816868  8.927502
## sample4617  8.215050  9.798840  5.636738  4.849770
## sample4618  9.731152 10.495269  9.318377 10.680551
## sample4619  8.059752 11.206429  8.216462  9.448665
## sample4620 12.019330 13.295694 10.123017 10.256267
## sample4621 13.421676  6.947521  8.946475  9.015727
## sample4622 11.000591 12.593548  9.628777  5.577488
## sample4623  5.986311 11.170260  8.803943 12.883855
## sample4624 11.184249  8.010450 14.594380 10.618531
## sample4625 10.851318  9.532172  8.345514 11.592110
## sample4626  8.160277 11.873726 10.699258 12.577612
## sample4627  9.649352  6.981120 10.741630  7.672977
## sample4628 11.271309 10.337137 12.860687  8.390222
## sample4629  8.196746 10.611217 13.500459 12.008489
## sample4630  9.392099  6.940671  8.738699  8.900347
## sample4631 12.324692  8.757211 10.216198 11.960171
## sample4632 10.924996 11.297734 10.941820  9.552691
## sample4633  9.867723  7.523338 11.173121 10.369340
## sample4634 10.663840  9.275158 10.013090 10.676595
## sample4635  8.908273  7.794429  9.642639  9.477004
## sample4636 11.376315 10.373025 10.762237 12.973406
## sample4637  7.682772  9.625157  9.185291 10.815268
## sample4638 10.757149 11.609437 12.585169 11.237274
## sample4639 11.166441 11.642748  8.218922 14.982162
## sample4640 12.032776  9.881082 12.301800 10.577812
## sample4641 11.981088 12.695661  8.010574  9.400251
## sample4642  9.783495 13.983644 13.764169  6.359600
## sample4643 11.720903  6.656064 12.805167 10.143095
## sample4644  5.827135  8.332509  8.581827  8.365377
## sample4645  9.840421  8.585095  9.535773  6.843601
## sample4646  7.858859  5.475862  9.054385  9.740267
## sample4647  9.534485  5.631374 11.175964  8.227871
## sample4648 12.575507  9.817364 11.168329  9.098116
## sample4649  9.572676  9.759664 11.315085  8.414703
## sample4650  9.799471 12.035638  9.327864  8.024233
## sample4651  7.527576 12.360035 10.418520 14.371226
## sample4652  9.541857  9.935015 12.636971  7.410610
## sample4653  8.428474 11.299401  8.705958 14.392922
## sample4654 11.543588  8.799978 10.156721 11.420081
## sample4655  9.537566 11.216542 10.402341 11.496436
## sample4656 10.321498 10.086759 14.128927 13.321015
## sample4657  9.291959  9.425290 11.473670  5.953662

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## sample4658 10.500763 8.227430 8.034021 9.015813
## sample4659 12.256608 8.850339 9.291430 9.346371
## sample4660 12.800001 10.440404 9.015430 10.958270
## sample4661 8.773494 12.930447 9.108081 7.183662
## sample4662 7.659352 8.027780 7.625274 6.980420
## sample4663 10.644480 8.359923 9.883796 10.905180
## sample4664 11.113673 10.508502 8.252962 11.368440
## sample4665 10.962406 10.110367 11.818742 9.506627
## sample4666 8.489278 10.772044 11.942291 11.317203
## sample4667 11.428251 13.892812 15.326486 6.525413
## sample4668 7.203987 8.547305 8.262648 9.821858
## sample4669 12.295313 7.201814 9.781190 10.081755
## sample4670 11.426752 8.878289 8.514497 9.822978
## sample4671 9.055764 11.505926 10.441890 7.705386
## sample4672 14.701678 9.375639 8.434105 9.858478
## sample4673 10.915653 11.090403 9.012012 12.040075
## sample4674 15.253313 9.506499 11.593965 9.523160
## sample4675 9.658185 6.200018 8.886556 8.411002
## sample4676 9.967463 8.305447 7.987718 10.601328
## sample4677 11.387446 10.128338 11.323439 13.825697
## sample4678 11.508782 5.874672 9.513683 8.519561
## sample4679 8.790078 9.382261 9.392339 13.385118
## sample4680 8.685612 11.216909 9.187513 7.014671
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## sample4683 11.607609 8.257057 9.888673 7.149386
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## sample4685 14.248211 5.348647 10.677159 7.236822
## sample4686 8.697284 11.338426 6.593364 10.957679
## sample4687 10.989951 12.029172 10.331519 9.368400
## sample4688 9.058888 9.489059 9.562027 10.692182
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## sample4690 12.608308 8.485487 9.805282 11.645102
## sample4691 9.260664 10.748235 8.368564 9.057599
## sample4692 10.194972 7.780072 9.622022 11.129813
## sample4693 13.255246 12.338968 11.329846 8.688940
## sample4694 9.287385 6.674895 10.516875 11.704985
## sample4695 8.012051 12.705368 10.866969 12.194152
## sample4696 8.311691 9.317422 9.318911 10.972427
## sample4697 9.289689 8.020856 10.497575 6.788197
## sample4698 8.417861 7.913887 5.349587 9.192332
## sample4699 8.020297 10.137202 7.202463 10.958722
## sample4700 12.159895 8.138936 10.185444 12.048652
## sample4701 9.716678 7.630531 8.797756 10.123169
## sample4702 6.543428 9.042290 7.121547 15.962150
## sample4703 7.187554 11.629376 10.166789 10.181050
## sample4704 12.413813 9.230707 12.396296 12.679223
## sample4705 10.500116 10.578512 11.294525 12.427166
## sample4706 11.247569 10.717904 11.264282 9.650909
## sample4707 11.375312 11.345910 12.415802 10.308518
## sample4708 12.185963 10.927057 10.824004 9.352573
## sample4709 11.066583 4.440512 11.577381 12.010524
## sample4710 11.912162 7.577615 7.902837 6.719000
## sample4711 10.022375 12.199024 9.583396 9.591536

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## sample4712 11.168864 9.781125 8.834018 11.913092
## sample4713 8.733498 9.545778 10.272985 9.909166
## sample4714 12.406270 12.140279 11.813756 9.716573
## sample4715 8.953808 11.401240 11.861474 9.392459
## sample4716 8.847825 8.394640 8.389966 8.438329
## sample4717 11.226845 6.093497 10.644831 10.487431
## sample4718 7.847620 7.250029 9.554407 7.676620
## sample4719 10.644233 12.870429 7.356387 7.548580
## sample4720 9.119068 10.119295 7.420533 10.668691
## sample4721 4.426815 8.557323 10.898394 9.568987
## sample4722 11.621022 7.799890 11.224998 10.661163
## sample4723 9.044374 9.000215 11.408260 11.350905
## sample4724 11.631286 9.818860 8.357186 11.493725
## sample4725 11.106485 7.963932 11.160148 12.134114
## sample4726 11.818836 7.832546 8.479696 11.882843
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## sample4729 7.971008 11.294871 7.561607 10.194084
## sample4730 11.963353 12.448667 11.476277 10.967241
## sample4731 11.274791 10.854134 9.430841 9.915606
## sample4732 9.886656 9.672660 14.803152 7.468505
## sample4733 12.350487 11.590381 11.436218 12.576359
## sample4734 8.719216 9.166012 11.350739 12.632907
## sample4735 11.635367 13.771014 9.991643 7.298414
## sample4736 11.959954 13.209143 8.181577 9.679557
## sample4737 9.182147 11.216808 13.721296 11.879494
## sample4738 8.809460 10.752185 11.624008 11.194941
## sample4739 12.087645 9.752854 7.611160 9.062369
## sample4740 7.790184 11.411026 9.877016 9.671285
## sample4741 9.649532 11.049075 13.660712 10.896863
## sample4742 8.577086 8.946264 14.421776 10.992279
## sample4743 9.723850 9.875111 13.492917 8.893340
## sample4744 11.327824 6.619919 8.788551 12.314675
## sample4745 12.504152 9.193150 10.984720 8.949076
## sample4746 10.933331 7.276429 10.899188 8.736644
## sample4747 5.515899 8.893210 9.045700 9.898826
## sample4748 12.982894 7.938267 10.572815 7.551962
## sample4749 8.042134 7.015521 11.335452 9.229114
## sample4750 7.017760 12.422948 8.992211 7.402941
## sample4751 10.163684 11.213538 13.328495 13.840554
## sample4752 13.377925 7.560495 13.077397 10.940347
## sample4753 12.296677 7.999419 11.890880 10.541343
## sample4754 9.711985 9.052190 11.330579 11.214971
## sample4755 11.173102 9.858154 12.050122 8.417126
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## sample4759 11.850337 4.562717 13.391377 8.126060
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## sample4761 7.859748 11.545813 11.356041 8.469871
## sample4762 12.968686 11.534026 8.869532 10.029203
## sample4763 10.608540 9.912342 10.698495 8.764221
## sample4764 9.971396 7.561399 11.781164 10.512852
## sample4765 10.293191 14.742436 11.622254 14.529593

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## sample4766 14.272530 7.963816 10.316314 12.162155
## sample4767 11.991488 9.036163 9.286644 13.696072
## sample4768 10.614279 8.918820 8.716909 7.247757
## sample4769 8.256749 11.433558 9.446367 11.288559
## sample4770 7.133989 10.100695 7.624090 10.777409
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## sample4772 9.382097 9.843533 13.918555 13.769846
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## sample4774 8.288064 6.851039 7.714180 9.866180
## sample4775 12.689961 7.926847 9.094887 8.762579
## sample4776 12.412470 11.416609 9.465873 11.294405
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## sample4778 10.791419 8.483587 10.864210 11.222859
## sample4779 8.966521 11.066846 12.156714 6.483047
## sample4780 10.829561 10.847738 12.731262 9.492488
## sample4781 9.976156 8.938422 9.586962 10.091803
## sample4782 9.824093 8.624934 11.317021 11.246698
## sample4783 13.265236 11.326795 11.429045 9.407260
## sample4784 6.805130 8.070322 8.543630 9.858224
## sample4785 9.845361 6.809692 9.453152 12.426725
## sample4786 10.871985 10.770321 8.648757 10.605508
## sample4787 8.405880 11.534007 11.033486 7.099143
## sample4788 9.014245 10.279885 9.545152 11.100663
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## sample4790 11.090814 12.634129 13.151354 12.644001
## sample4791 10.045002 10.855855 8.713994 9.068826
## sample4792 9.509179 14.030951 11.308055 8.005991
## sample4793 11.643710 11.382903 8.557847 13.059752
## sample4794 7.484757 11.972978 10.676913 9.481550
## sample4795 11.645479 9.947025 10.841552 11.106602
## sample4796 8.001543 9.133302 7.402446 9.765797
## sample4797 10.125523 7.444401 11.057722 8.404405
## sample4798 8.949642 11.756994 11.748888 13.488074
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## sample4800 11.900136 12.462506 10.431994 10.881202
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## sample4802 11.653590 11.896583 6.810846 6.920048
## sample4803 9.152656 7.934913 8.871014 12.485012
## sample4804 8.326341 10.762620 11.557292 11.201638
## sample4805 10.509866 7.698326 7.029358 6.873238
## sample4806 7.469857 7.378090 6.807575 9.277331
## sample4807 9.223689 10.302773 10.675229 10.005222
## sample4808 12.251622 8.895726 12.048982 8.994904
## sample4809 10.925465 12.506167 9.816410 9.069313
## sample4810 7.519794 9.117931 11.570875 11.890509
## sample4811 10.567820 12.570788 11.913092 11.649831
## sample4812 11.522001 11.922441 14.629646 13.138364
## sample4813 10.909631 11.035468 7.833693 13.261053
## sample4814 8.330621 7.097321 9.201450 6.653536
## sample4815 12.782253 12.439675 9.582322 11.385405
## sample4816 7.163129 14.446489 5.815866 13.992368
## sample4817 7.580676 12.218219 6.512013 7.631471
## sample4818 10.072704 13.645025 8.574919 9.782023
## sample4819 11.501756 10.195923 9.260391 12.036110

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## sample4820  5.396898 11.281827 10.920014  6.998710
## sample4821  8.139989  9.196545  9.966976  9.220641
## sample4822  8.838265  9.129316 13.467693 10.190958
## sample4823 10.028461 11.748675  8.716581 11.182888
## sample4824  7.954265  8.620578  8.233590  8.890948
## sample4825 10.757451  8.190098  9.281537 10.037762
## sample4826 10.079857  8.574772 10.781199  9.378328
## sample4827  6.518274 10.797661  8.491410 10.708462
## sample4828  9.472629  8.490252  8.040096  9.174583
## sample4829  8.354463  8.751155  9.682697 11.269019
## sample4830 13.300134  7.505059  9.519951 10.446972
## sample4831 11.366187 12.683805  9.311856 12.618702
## sample4832  9.134809  8.550225 10.665713 10.507053
## sample4833 12.721682 14.160470  7.642229 11.530012
## sample4834  9.976247  7.048678  8.480149 11.618828
## sample4835  8.317605 10.347018 12.574683  8.364043
## sample4836 10.668031 11.500066  9.460216 11.843017
## sample4837 10.992950 11.162810 10.073907 11.048855
## sample4838  7.893998 10.799551 12.146090  8.599829
## sample4839  9.292711  9.687747  7.692749 10.587737
## sample4840  8.658891  7.031352  6.795447  9.084878
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## sample4842  8.585651 15.781718 11.135952 10.252583
## sample4843  8.972695 10.455347 12.064978  8.590447
## sample4844  9.810652  8.137788 11.053569 11.264018
## sample4845  7.088467  6.884558 10.469495  9.223467
## sample4846  7.278587 12.650211  9.722685  7.503009
## sample4847 12.447795 12.867289  5.628892 10.678218
## sample4848  8.748314 11.272364 11.035862  8.355804
## sample4849 10.620841  9.247448 10.512271  7.731287
## sample4850 12.682505  9.694905 13.627410 10.186724
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## sample4852 12.689115 10.407818 11.894071 10.573205
## sample4853  9.488247 10.533434  8.842937 11.926596
## sample4854  8.623917 11.372714 13.048453 10.076227
## sample4855  9.580192 13.998889  8.556094 13.510926
## sample4856  7.865051  4.449904 10.207331 11.251095
## sample4857 10.570158 12.523896  9.358590  7.254743
## sample4858 11.671276  8.459260 11.420286 10.788489
## sample4859  9.484754  8.942352  9.746162  6.662354
## sample4860  7.986510  8.428527 10.393197  9.113431
## sample4861  7.002541  9.278441 13.727802 11.594772
## sample4862  8.551621  8.482228 10.670666  7.754390
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## sample4864 11.327804 10.770327 11.877965  8.412600
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## sample4870  9.316953 12.045094  8.492087 11.032213
## sample4871 12.148523 13.248836 11.977272 10.390159
## sample4872 10.248032 10.095445 10.660790 11.155077
## sample4873  9.977580  8.853802 10.767461  7.529219

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## sample4874 8.882765 10.601174 12.336343 7.504624
## sample4875 14.098763 11.324475 10.602697 12.215607
## sample4876 9.860246 7.516747 10.692533 11.529839
## sample4877 14.357347 9.494207 8.505255 11.175774
## sample4878 10.115586 16.045531 11.481400 13.960906
## sample4879 7.668893 9.479184 7.349851 8.883197
## sample4880 8.947607 10.607361 3.260144 11.636538
## sample4881 6.318705 13.878799 10.156622 13.577815
## sample4882 7.668345 11.026640 10.162257 3.848301
## sample4883 10.865505 10.466745 9.103172 12.705984
## sample4884 10.212274 6.596846 11.522075 11.486860
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## sample4886 9.833241 12.431616 10.213726 10.408276
## sample4887 11.799827 11.462924 8.159158 10.348236
## sample4888 10.683403 10.690480 10.108196 8.118730
## sample4889 11.956027 9.115464 7.046600 11.549037
## sample4890 10.677595 12.242528 8.818743 11.921648
## sample4891 8.230548 8.191853 8.509166 10.850867
## sample4892 9.848830 10.664120 10.819669 10.483153
## sample4893 7.474748 9.139219 10.736408 12.270950
## sample4894 7.812701 10.562969 10.772959 10.095658
## sample4895 9.164106 9.265375 13.346130 11.523832
## sample4896 4.445607 7.448415 10.724927 9.454389
## sample4897 10.466858 7.001165 8.390803 10.385652
## sample4898 8.337817 7.612289 8.482674 8.844936
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## sample4900 8.443108 10.592726 14.127997 9.925037
## sample4901 8.547377 8.608250 11.658717 9.653003
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## sample4910 13.831119 8.451324 9.251606 10.976455
## sample4911 9.942496 12.093043 14.290888 10.688814
## sample4912 8.979031 8.276949 8.307812 11.185100
## sample4913 12.908332 6.485949 8.992145 9.205855
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## sample4915 9.903742 7.869368 11.194197 10.389625
## sample4916 12.074185 7.604472 8.560072 8.206002
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## sample4918 8.727269 7.704556 14.557073 8.274594
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## sample4923 10.231993 13.599010 7.021264 10.008400
## sample4924 8.160706 10.061970 9.870463 9.914330
## sample4925 13.045594 7.135990 9.778922 8.058820
## sample4926 11.451117 12.735325 8.540876 9.511623
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## sample4928 11.031535 7.102232 13.192420 12.263920
## sample4929 9.912407 9.174005 8.702863 8.472772
## sample4930 10.716450 9.790443 9.891863 9.192112
## sample4931 10.569429 9.324800 10.049520 10.111820
## sample4932 10.853730 7.660326 11.199046 9.478557
## sample4933 14.335952 7.598720 12.068974 10.275458
## sample4934 10.523487 7.257480 11.326895 14.190316
## sample4935 6.751492 8.950134 14.895988 7.301784
## sample4936 11.057821 9.578052 11.319369 7.814211
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## sample4950 11.121866 10.255915 11.141729 13.103226
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## sample4952 8.960537 8.154517 9.894284 9.001561
## sample4953 10.383267 10.087367 10.866391 10.182844
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## sample4956 8.398150 8.230179 10.952588 6.787153
## sample4957 8.096760 7.316066 12.591006 9.979366
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## sample4968 10.476262 9.100629 7.507598 8.756784
## sample4969 9.610922 8.368261 11.177045 10.699895
## sample4970 10.854955 9.031360 7.167834 7.110902
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## sample4972 9.395493 11.931023 8.849637 7.704790
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## sample4974 9.458564 10.715303 9.102954 10.993971
## sample4975 10.166969 10.356053 11.634086 9.054333
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## sample4977 7.427183 9.374173 11.528896 9.744010
## sample4978 7.610505 8.618534 10.564965 9.564359
## sample4979 8.086660 11.036273 8.014936 7.324376
## sample4980 7.405590 12.046299 9.803479 8.326408
## sample4981 8.971157 9.432634 8.296628 10.300506

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## sample4982  7.278123 10.712939  8.387480 11.007889
## sample4983 12.435989 10.889925  6.699787  8.415017
## sample4984  6.530357  9.968386  9.181306  6.733119
## sample4985  9.323096  8.886291  5.738636 11.223938
## sample4986  8.999755  8.261624 12.980378  9.391583
## sample4987  9.820793  7.826331  8.371411  7.685676
## sample4988 10.774880  7.445590  8.875967 10.892692
## sample4989 10.819003 10.692897 11.726847 12.376176
## sample4990  8.242850  7.722277  7.977052  9.571501
## sample4991  9.140198  9.219560  9.086409 12.146699
## sample4992  9.405426 11.724186 10.555702 12.983329
## sample4993  7.977591 11.826344  7.112921 10.055853
## sample4994  6.605297 11.566503  8.538105 12.556039
## sample4995  9.008285 10.103084 11.610166  7.959746
## sample4996 10.030455  9.486812  8.119351  8.400652
## sample4997  9.360663  6.961637  7.725300  7.837166
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## sample5000  9.976692 12.670483  9.309552 15.661307
## sample5001  6.538375  8.358626  8.565537 13.681297
## sample5002  9.003201 10.332482 12.130315  7.099064
## sample5003  9.291846 10.349416  9.183988  8.999916
## sample5004 10.669031 12.083311  8.007081 14.717100
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## sample5006  7.858725 12.415604  8.537122 12.232341
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## sample5008 11.406577  9.470949  9.443460  9.176412
## sample5009 13.593036  9.756644 10.691970  8.024049
## sample5010 10.297255 13.822005  8.590995 11.860414
## sample5011 10.727091  9.175410  6.463263  9.586592
## sample5012  9.293396  7.058359  8.858658  9.471126
## sample5013 15.685914  7.692523 10.632933  8.992461
## sample5014 11.605854 14.435230 12.582147  8.592008
## sample5015  5.756114  7.492915 10.021556  8.386540
## sample5016 11.997411 11.860177 13.592564  8.305648
## sample5017 10.087656  9.715446 10.470977 10.622276
## sample5018  6.055651 13.219731  7.906779 10.187165
## sample5019  8.409868  7.821735  7.531493  4.195485
## sample5020  9.948716 12.938581 10.601296  7.499924
## sample5021  9.622581 10.382280 10.431483  9.169856
## sample5022 11.239146 10.104303  8.727697 10.259215
## sample5023  9.854297 11.053662  6.844929 12.912673
## sample5024 10.421297 11.036149  6.056609  8.883191
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## sample5027 12.591748 11.107638 11.173040 10.198849
## sample5028 11.391275 10.966095 11.600105 10.695733
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## sample5030 11.239870  8.907044  9.588013 10.176782
## sample5031 13.157174  5.532086  8.792665 11.385779
## sample5032 10.465495  7.166887 10.401683  7.518321
## sample5033 10.033269 12.288283 10.480217 11.487967
## sample5034 12.210894 13.646392  9.705665 12.077107
## sample5035  6.561041  9.563874 11.592850  9.016977

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## sample5036 8.158359 11.202643 9.658029 9.708277
## sample5037 10.112334 9.685934 7.492397 12.083251
## sample5038 9.347931 11.273047 9.493799 9.305675
## sample5039 11.283897 14.019407 10.266005 12.492657
## sample5040 10.977232 7.294461 13.790716 8.016172
## sample5041 9.782743 7.167128 8.900248 9.623997
## sample5042 9.392323 12.256394 8.570463 13.007776
## sample5043 11.076338 11.182338 11.460121 10.565286
## sample5044 10.201801 10.159728 8.810167 7.715564
## sample5045 11.338922 9.088859 11.360130 11.691008
## sample5046 9.678399 6.576965 10.731679 9.003623
## sample5047 9.860048 9.881637 10.554578 8.976278
## sample5048 11.121441 12.635006 7.602106 10.677470
## sample5049 12.836067 10.074911 11.718335 7.816927
## sample5050 13.064593 8.530135 10.625491 13.960158
## sample5051 11.035749 9.084759 9.566366 9.965176
## sample5052 9.026652 9.740367 6.856043 10.362645
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## sample5054 13.119726 12.194838 8.120271 10.397830
## sample5055 10.319856 10.742301 11.509081 13.287077
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## sample5058 11.457238 14.023656 10.481506 8.170245
## sample5059 10.030577 9.130663 12.271807 3.691065
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## sample5090	10.726817	10.547438	8.927110	9.814070
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## sample5098	7.611707	11.341248	9.205127	10.714007
## sample5099	10.401133	11.622580	8.776866	9.680999
## sample5100	11.563543	10.284828	12.851735	9.491825
## sample5101	10.964441	9.586404	10.203960	11.615750
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## sample5108	12.046855	10.631919	10.118516	7.210729
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## sample5110	10.601951	6.513961	10.839818	11.133637
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## sample5178	13.200986	12.514138	11.110667	10.253353
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## sample5192	6.496617	11.438650	10.317117	12.249739
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## sample5195	10.845669	13.010590	11.615871	10.125492
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## sample5238	8.714222	11.753474	10.367700	7.072843
## sample5239	13.271563	12.086924	10.308997	12.124466
## sample5240	10.017691	9.849155	12.561618	9.895664
## sample5241	10.678284	9.197738	9.561119	8.246389
## sample5242	10.391782	11.466047	11.975813	10.219963
## sample5243	11.352501	9.714096	10.199134	11.072671
## sample5244	10.817201	10.534696	13.530113	12.406188
## sample5245	11.967966	9.070235	11.784820	13.083336
## sample5246	11.351263	13.362426	12.292731	13.323234
## sample5247	8.485263	10.280424	8.865598	12.870808
## sample5248	9.468800	11.754337	11.848179	9.161563
## sample5249	8.174682	8.409515	11.404340	9.995778
## sample5250	12.479834	8.804134	8.996838	11.597820
## sample5251	7.940337	9.872277	10.306410	10.702332

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## sample5252 7.453214 9.456245 12.959795 9.095992
## sample5253 10.683931 7.726431 9.924418 10.646102
## sample5254 6.213473 10.919026 11.943317 9.699839
## sample5255 10.873417 5.908278 9.083890 10.865778
## sample5256 9.587772 8.897592 5.824365 11.902341
## sample5257 11.757437 8.266310 13.344679 8.234492
## sample5258 10.861222 9.820422 11.648154 8.221761
## sample5259 6.473967 6.376153 10.269194 10.058003
## sample5260 12.160126 12.519422 14.809048 12.837917
## sample5261 10.131883 9.336380 11.682350 10.517924
## sample5262 10.045897 9.634176 13.308876 12.523640
## sample5263 8.058616 15.029619 8.719443 12.188258
## sample5264 12.083722 10.928847 11.927626 6.010660
## sample5265 6.914369 11.764557 12.263619 8.359970
## sample5266 10.607837 8.503773 8.777620 8.664643
## sample5267 10.542101 9.443780 8.326958 11.686783
## sample5268 14.370596 10.473512 8.079432 13.925607
## sample5269 5.726853 10.256933 12.544012 9.722549
## sample5270 13.948081 11.264828 6.255942 10.686150
## sample5271 8.214275 11.278733 9.275821 10.339467
## sample5272 11.651656 7.763196 6.387811 8.389005
## sample5273 7.881630 11.149070 5.857007 8.625656
## sample5274 9.039666 9.631531 6.095548 7.584706
## sample5275 6.089869 11.352996 7.750955 11.422817
## sample5276 8.802211 6.462650 12.452362 10.325328
## sample5277 10.857254 11.865479 9.912054 10.444120
## sample5278 9.597531 12.686639 9.929643 11.445885
## sample5279 10.609803 6.030949 8.289335 10.181863
## sample5280 10.382339 8.895550 10.785053 12.526423
## sample5281 6.943325 11.044381 9.157242 11.130272
## sample5282 10.610372 13.887760 11.410898 7.802411
## sample5283 10.902004 9.963357 8.240409 5.457357
## sample5284 10.414156 13.496632 10.210149 8.090819
## sample5285 9.275065 9.692659 8.263407 14.208968
## sample5286 12.554142 12.149587 8.864972 5.764945
## sample5287 10.115252 11.174572 7.488042 10.275311
## sample5288 7.121379 8.315849 9.832823 11.999013
## sample5289 8.833734 12.857315 6.879636 10.071005
## sample5290 11.649444 7.149036 10.713840 9.196803
## sample5291 10.067747 6.455640 9.092112 10.233807
## sample5292 10.936250 11.939620 14.124426 10.391590
## sample5293 6.344021 9.324128 9.616497 9.980130
## sample5294 8.626175 10.584658 9.714184 7.984067
## sample5295 11.624461 7.656346 9.411438 9.120942
## sample5296 11.019608 10.769636 12.456786 13.151446
## sample5297 9.435974 10.303062 12.777930 11.831185
## sample5298 9.835837 10.167979 9.640238 11.724385
## sample5299 9.237458 6.916953 9.657689 10.723711
## sample5300 11.374868 10.765985 10.340460 13.821015
## sample5301 7.406042 11.220024 7.368362 12.171517
## sample5302 9.778902 9.969728 10.329000 8.921965
## sample5303 10.413528 11.087196 10.994730 16.114963
## sample5304 12.828238 11.700578 9.885932 8.566785
## sample5305 11.824818 9.168869 11.636457 11.004083

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## sample5306 6.756884 9.403071 9.642465 10.451178
## sample5307 12.429207 7.242211 9.288390 9.628652
## sample5308 12.215375 11.389908 11.812572 8.295235
## sample5309 9.702994 8.862213 11.505845 11.516007
## sample5310 9.064559 12.102306 9.791053 11.287211
## sample5311 9.559076 10.196900 10.764536 6.292327
## sample5312 10.314462 9.116293 10.507373 13.589003
## sample5313 10.177966 10.131999 8.061845 8.252356
## sample5314 10.061331 11.516830 9.761856 9.509732
## sample5315 10.987415 8.134567 10.222702 12.494628
## sample5316 6.805709 11.860418 10.079217 7.593340
## sample5317 10.591662 9.328571 7.694097 10.981571
## sample5318 12.667787 10.552935 7.360927 10.870691
## sample5319 7.728649 9.410396 9.970171 11.480124
## sample5320 12.495498 11.304169 7.876977 7.277307
## sample5321 6.830151 13.269610 11.477468 11.790028
## sample5322 10.378198 8.387353 11.179119 7.637277
## sample5323 9.962686 9.875547 9.676138 10.327023
## sample5324 10.768024 7.880785 8.225871 7.516026
## sample5325 4.378529 10.048416 11.826732 7.146962
## sample5326 11.261388 11.989406 8.953809 8.975998
## sample5327 8.591549 9.547804 9.612830 10.010644
## sample5328 9.568841 15.533345 9.495820 7.372672
## sample5329 13.445241 6.685143 9.697240 5.486551
## sample5330 9.592742 8.347771 8.118179 9.462519
## sample5331 6.269838 9.942240 12.731546 11.158474
## sample5332 14.363752 9.301863 10.137947 5.971866
## sample5333 10.862319 8.341834 11.512114 8.372356
## sample5334 8.310583 7.399160 6.726989 9.743210
## sample5335 11.697555 9.729419 12.828723 8.697075
## sample5336 14.709294 8.197141 11.789226 7.363302
## sample5337 9.339098 7.967132 10.923623 12.474343
## sample5338 9.979716 13.477292 11.797798 11.787914
## sample5339 7.131935 14.255275 11.199890 10.624470
## sample5340 12.716149 8.776959 11.019039 9.535719
## sample5341 13.061977 7.178153 6.974054 11.029912
## sample5342 10.776451 8.684095 12.621805 8.055609
## sample5343 11.305444 10.840618 12.394940 9.438558
## sample5344 11.382687 11.292557 13.837626 8.234912
## sample5345 9.255056 11.085487 10.761203 10.202321
## sample5346 5.825668 10.064384 10.120980 9.315453
## sample5347 10.963900 11.533122 9.682551 9.866084
## sample5348 10.754580 11.418296 11.219024 7.747858
## sample5349 11.818687 11.396569 10.411545 7.531611
## sample5350 9.791858 9.610932 11.603979 6.930448
## sample5351 9.852159 8.046842 10.046687 11.445314
## sample5352 9.889506 11.386679 11.187764 9.519932
## sample5353 8.856479 10.054423 9.659376 12.028914
## sample5354 9.406947 8.218437 12.416255 9.119818
## sample5355 9.973581 8.826284 11.636574 11.215902
## sample5356 10.425749 6.630581 11.280497 9.417048
## sample5357 8.744755 12.045855 9.289595 10.443405
## sample5358 9.082910 10.780886 14.597539 8.938077
## sample5359 13.131523 9.168239 8.791262 12.757096

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## sample5360 10.850067 9.398463 13.308904 9.155151
## sample5361 9.973089 8.520968 10.680558 11.125027
## sample5362 10.456429 7.551756 9.452722 8.467248
## sample5363 12.209077 8.731951 8.582249 8.030240
## sample5364 10.228407 11.131677 10.504003 9.821949
## sample5365 9.451544 8.586657 12.296985 7.453643
## sample5366 10.201456 10.226501 12.099036 12.675836
## sample5367 10.091902 8.914001 8.117302 8.667650
## sample5368 11.778477 10.270816 11.396460 10.140291
## sample5369 10.770187 11.030583 11.591541 12.275158
## sample5370 11.639337 9.411856 11.625378 9.568293
## sample5371 12.939556 10.913357 10.870943 9.727677
## sample5372 11.836171 10.440265 13.710464 11.223460
## sample5373 8.138448 9.124092 12.250101 9.362964
## sample5374 10.962415 12.106682 13.003294 8.297589
## sample5375 10.808770 11.258708 11.101852 10.661083
## sample5376 7.841153 14.346813 9.527200 9.072908
## sample5377 10.204789 9.206536 12.450728 10.515017
## sample5378 6.827941 6.324545 10.974165 11.286451
## sample5379 11.313029 7.991543 10.327649 9.500221
## sample5380 10.823780 12.276010 10.661993 11.874978
## sample5381 10.601059 9.428977 12.513134 9.658437
## sample5382 8.551241 10.461330 9.691108 7.134746
## sample5383 13.685052 13.514615 14.104871 7.636937
## sample5384 10.909423 11.541758 11.703970 9.964320
## sample5385 10.835506 8.298682 10.231962 8.036190
## sample5386 11.012444 10.892517 8.767039 11.212149
## sample5387 8.770761 7.135321 11.021980 8.259996
## sample5388 9.788828 12.136611 9.229549 8.767709
## sample5389 11.105691 10.765862 8.391001 11.215073
## sample5390 6.827579 11.038108 10.331590 13.409025
## sample5391 11.341667 10.810264 12.040912 13.333283
## sample5392 14.867208 9.319862 11.484616 9.828974
## sample5393 8.616510 10.200954 12.117233 11.237275
## sample5394 8.700096 8.984562 8.753766 9.259985
## sample5395 9.712926 9.247988 8.095437 11.178760
## sample5396 6.920581 11.578008 9.285170 9.632368
## sample5397 10.506019 7.718872 11.442640 13.882313
## sample5398 11.489456 11.024714 8.763198 9.902574
## sample5399 10.215272 9.306601 10.071646 11.993899
## sample5400 7.635192 9.659323 11.536264 8.584382
## sample5401 9.637442 11.992891 11.803171 10.428793
## sample5402 6.857626 8.603809 10.244998 7.612556
## sample5403 9.634404 6.422457 10.427816 9.822113
## sample5404 8.761364 11.189796 9.297588 10.367542
## sample5405 6.740806 7.552319 9.830199 11.402486
## sample5406 10.069531 12.542214 12.226585 6.933768
## sample5407 12.264157 9.125676 10.532069 8.707366
## sample5408 8.971382 9.892747 9.990989 9.423015
## sample5409 8.821707 9.344631 15.007893 9.565828
## sample5410 13.579369 10.224705 9.634180 9.595813
## sample5411 8.789107 12.179905 8.595530 8.992775
## sample5412 7.583210 10.358747 8.234323 12.552415
## sample5413 13.384569 9.029805 13.896753 8.024334

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## sample5414	8.851113	11.760875	5.499608	9.079177
## sample5415	8.737289	6.681693	10.577020	11.171397
## sample5416	8.807532	8.306972	10.767988	11.220195
## sample5417	10.502475	6.781627	7.214291	6.399577
## sample5418	9.604965	9.625031	4.227548	8.713053
## sample5419	8.905092	11.100401	9.028021	7.863650
## sample5420	10.342981	8.261118	8.369006	8.827518
## sample5421	11.572043	8.214451	5.783206	12.019205
## sample5422	10.727557	10.724038	10.264127	12.553145
## sample5423	9.550487	9.478996	11.664865	10.890096
## sample5424	13.465057	10.761077	11.013626	13.062462
## sample5425	12.251326	13.943654	11.373677	11.881419
## sample5426	10.595117	9.354016	11.742756	10.855762
## sample5427	8.209105	10.025641	8.187453	10.678104
## sample5428	5.240023	11.527785	8.512366	11.311591
## sample5429	10.149614	13.136521	14.613566	12.711670
## sample5430	7.247878	9.256919	14.506688	9.019845
## sample5431	15.382249	9.885975	7.341794	9.136363
## sample5432	12.045815	9.367541	9.258739	5.008383
## sample5433	9.215936	9.738453	9.495865	14.550174
## sample5434	7.514428	11.709441	7.953569	11.304474
## sample5435	10.685254	10.606984	9.691310	11.850902
## sample5436	13.988128	8.081477	8.722269	11.120694
## sample5437	8.501198	9.846548	12.836480	8.039167
## sample5438	8.983763	10.399246	13.080236	8.156017
## sample5439	10.567233	9.544860	8.522914	9.250362
## sample5440	9.926767	13.029491	8.058043	10.175281
## sample5441	9.300947	11.449647	11.946838	7.373185
## sample5442	8.743075	10.793833	13.112709	4.518508
## sample5443	9.582362	9.105819	8.203855	12.492182
## sample5444	8.291607	12.478812	10.473166	9.145861
## sample5445	7.430149	11.617352	9.984500	9.591860
## sample5446	10.808197	8.776951	9.826119	13.454614
## sample5447	8.780885	12.125200	10.248453	8.908599
## sample5448	15.030162	9.843667	8.620271	8.417611
## sample5449	9.902769	11.180197	10.303401	8.049059
## sample5450	12.358267	10.457640	10.440097	11.752608
## sample5451	14.978696	8.708601	11.134984	13.597429
## sample5452	8.310805	6.596736	10.902318	8.274065
## sample5453	8.125391	8.706365	9.766145	9.854864
## sample5454	8.936732	11.769407	9.950332	9.157525
## sample5455	6.141727	6.380432	13.039331	8.886423
## sample5456	11.289504	10.094300	10.212804	8.665749
## sample5457	9.015075	10.755431	7.640025	9.265096
## sample5458	6.750889	5.613626	13.007771	14.973269
## sample5459	10.261175	7.411243	11.124637	8.061688
## sample5460	8.699285	13.582073	10.630463	12.416331
## sample5461	8.145546	10.642630	8.247975	9.377249
## sample5462	8.623912	7.849611	10.539053	8.191757
## sample5463	11.332808	7.953144	11.485525	6.743934
## sample5464	7.438185	10.914981	9.452724	10.495913
## sample5465	9.562333	10.648678	9.103833	11.593891
## sample5466	10.084704	6.946702	10.183661	11.247123
## sample5467	9.687736	10.419573	12.089285	10.107873

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## sample5468 10.170295 9.139649 8.756612 10.987410
## sample5469 10.544477 7.830269 12.877796 7.318714
## sample5470 13.865152 13.492261 11.425352 7.962614
## sample5471 7.354817 9.296254 10.158944 9.278961
## sample5472 11.822409 7.146050 9.827656 10.219704
## sample5473 11.748030 10.128806 7.755768 9.564731
## sample5474 10.153358 9.067736 8.856148 12.423258
## sample5475 9.083736 8.879811 12.120118 9.806851
## sample5476 9.503328 6.766334 8.964271 9.633412
## sample5477 9.485948 5.726680 6.936137 8.231767
## sample5478 5.249198 12.572948 14.424656 9.293033
## sample5479 10.858729 10.537855 12.441397 8.518225
## sample5480 11.827047 10.689738 9.845884 8.527363
## sample5481 11.798548 11.869285 11.489641 7.374696
## sample5482 14.091563 8.320156 9.293778 9.224487
## sample5483 8.755616 9.661961 11.538354 10.222342
## sample5484 8.925122 13.171365 10.520902 8.206656
## sample5485 9.210984 12.681544 9.354959 11.184449
## sample5486 10.222239 13.726171 12.949726 7.802353
## sample5487 10.265033 11.915268 9.133646 10.864741
## sample5488 11.650885 9.525298 7.812946 9.494200
## sample5489 10.571372 8.844711 13.805756 8.691974
## sample5490 9.746185 9.540480 10.152017 9.028179
## sample5491 10.970063 9.322757 8.985855 7.820052
## sample5492 5.128587 8.909003 10.467160 10.260842
## sample5493 8.831061 9.230274 9.575919 7.882020
## sample5494 9.391220 9.913520 9.856081 9.783530
## sample5495 9.554320 6.292182 9.157219 12.615346
## sample5496 8.138306 7.968588 11.466143 10.022485
## sample5497 12.319272 14.397333 13.586800 13.606472
## sample5498 7.509996 10.558392 8.701442 11.758369
## sample5499 13.304731 12.702704 13.091704 10.094803
## sample5500 9.364862 13.313792 9.592060 10.336220
## sample5501 12.686660 12.627253 11.882638 9.412778
## sample5502 12.999958 11.861588 8.918888 10.864189
## sample5503 8.657710 11.072809 9.986307 8.792350
## sample5504 9.279027 11.598796 10.667513 13.258600
## sample5505 10.296811 6.679897 7.613214 7.871686
## sample5506 8.878456 13.438175 11.899418 7.796341
## sample5507 8.795108 7.263902 8.334550 12.131063
## sample5508 7.066741 8.383864 10.233531 11.871916
## sample5509 12.142739 5.231991 11.974206 8.319209
## sample5510 8.586609 10.821731 13.097379 9.759248
## sample5511 12.354646 9.442758 14.493041 7.816624
## sample5512 8.717820 10.569358 9.494024 11.985014
## sample5513 12.211590 11.245372 6.810821 6.914358
## sample5514 9.571763 15.010321 7.328911 12.192870
## sample5515 10.488821 15.067735 10.105501 10.097707
## sample5516 12.114230 9.588731 10.250355 5.444649
## sample5517 10.948068 11.032622 9.588185 9.282975
## sample5518 12.479026 8.873751 10.087329 6.198087
## sample5519 9.368347 9.568436 11.690081 9.496028
## sample5520 8.156266 9.251174 13.268751 8.892274
## sample5521 11.559746 11.316824 7.420049 12.966414

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## sample5522  6.930699 10.679277 10.079538  6.045374
## sample5523 11.560756  9.963765  8.366364  7.161804
## sample5524  7.694128  9.547615 12.407042  8.649003
## sample5525 10.344935  8.419467 11.673417 10.787251
## sample5526 10.443052 13.160875 10.885124 11.242955
## sample5527 11.492144 10.078118  8.284808  9.811943
## sample5528 10.675264  8.722078  6.186732  7.834368
## sample5529  8.089701  8.335932  6.933256  9.760769
## sample5530 10.280083 13.591044  9.813454 10.383905
## sample5531 10.775656  9.125962 13.580638 10.985404
## sample5532  6.769503 12.452567  7.587691 12.168623
## sample5533  9.019359 13.794215 10.524187 11.897864
## sample5534  9.405246  9.855760 10.938615 13.954262
## sample5535 10.071926 10.363505  9.502613  6.878364
## sample5536  9.883606  8.917595  8.632645  9.543476
## sample5537  9.656386 10.212250 10.811799 11.844589
## sample5538 10.955025  8.318563  7.402893 12.520896
## sample5539 11.152733 11.591637  8.935666  9.925774
## sample5540  8.825501 12.980959 11.319028  9.966800
## sample5541  9.725998  9.355641  7.968699 10.274012
## sample5542  9.231993 11.007443 10.681058  8.877792
## sample5543  7.602805  6.345150  9.112433  8.907832
## sample5544  8.630185 10.803105  9.172281 10.130551
## sample5545  8.526629 13.534042  9.490017  8.527341
## sample5546  8.772419 11.225287 11.259924 10.354191
## sample5547  8.357694  9.742184  8.672269 11.098811
## sample5548  7.202765  4.600327  9.877143 11.280559
## sample5549  7.307827  9.954261  9.155614  9.887141
## sample5550 13.922599 10.329514 13.699747 10.713898
## sample5551 13.452966  7.889659 13.555680 11.657837
## sample5552  8.832238 10.629865 11.392530 12.050030
## sample5553 12.009405 11.097194 10.230512 11.322393
## sample5554 14.655858  8.401182  5.502186  7.311680
## sample5555  9.975110 14.016175 13.371625  9.967045
## sample5556 10.725294  8.948883  9.314853  7.383122
## sample5557  7.664953 11.291335 13.583752 12.538634
## sample5558  8.919396 12.219473 13.123309  7.321319
## sample5559 10.291190  8.280539  7.925970 10.226512
## sample5560  7.789042  8.407110 12.803681  8.670919
## sample5561 10.377658  8.123136 11.190162  7.942175
## sample5562  9.320267 12.053455  9.750878  8.898672
## sample5563 11.312124 12.409620 11.720094 10.466148
## sample5564  9.196165  9.743364  9.721986  8.713104
## sample5565  9.659558 10.686068 10.476008  8.468253
## sample5566  7.001783  9.119356  7.958297  7.258578
## sample5567 10.144198  7.188342 11.177976 10.907366
## sample5568 10.532113  8.388515 14.577911 11.709388
## sample5569  9.927228 10.833710 10.774298 11.642331
## sample5570  9.903071 11.105534 11.707201 11.526388
## sample5571 11.586945 12.428317  9.443134 12.965791
## sample5572  9.585772 11.879745  6.449916  9.167399
## sample5573  5.811479 11.005584 13.593789  5.755018
## sample5574  8.538070 10.256355 12.598613  7.028699
## sample5575  9.750860  7.398974  7.637606  5.996808

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## sample5576 11.406078 9.637406 9.572842 13.227768
## sample5577 6.200066 11.737254 12.694190 12.853730
## sample5578 11.600264 12.002911 8.450402 8.610908
## sample5579 9.959350 9.936784 5.742005 10.842594
## sample5580 9.019002 12.329706 13.217953 8.294872
## sample5581 8.757037 11.114889 11.299808 8.267142
## sample5582 9.528984 13.291624 9.820923 7.409463
## sample5583 9.217270 7.931597 6.006297 10.190651
## sample5584 10.187610 10.745482 9.042009 11.797472
## sample5585 9.465001 9.159229 9.388368 11.186815
## sample5586 7.964084 10.476610 12.439010 12.379815
## sample5587 10.024062 6.920985 10.071265 13.388151
## sample5588 14.957820 11.435451 10.446367 9.428277
## sample5589 11.629748 12.189019 8.173469 10.772590
## sample5590 13.257467 10.232289 11.575510 10.112619
## sample5591 10.413022 11.006806 12.846193 7.987403
## sample5592 7.778665 7.718612 10.195679 10.725249
## sample5593 11.985389 6.960464 12.533858 6.582218
## sample5594 13.061444 10.849015 12.697260 9.421277
## sample5595 11.742271 9.558484 12.514478 9.288573
## sample5596 8.030258 11.036465 7.915290 10.874542
## sample5597 8.626918 9.464194 12.008314 11.148121
## sample5598 5.672756 9.127165 10.100964 7.934962
## sample5599 11.297604 9.812474 7.177576 7.374219
## sample5600 11.089267 11.090997 14.449798 9.270120
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## sample5603 9.679204 10.587645 8.535256 11.673135
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## sample5605 9.024410 10.923438 11.271202 9.048384
## sample5606 8.654193 11.606706 9.414834 8.373796
## sample5607 9.364011 9.119853 8.871267 5.509680
## sample5608 7.548782 10.863320 10.875701 7.430547
## sample5609 13.338808 13.632526 11.672899 11.006074
## sample5610 13.199961 11.707169 11.897253 10.343653
## sample5611 11.901827 11.486578 7.934546 9.290010
## sample5612 8.048573 13.358298 8.940534 11.026862
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## sample5615 6.324470 6.194615 7.624880 12.782068
## sample5616 8.711970 9.315384 10.590170 6.783473
## sample5617 6.101916 11.640709 10.519456 8.405310
## sample5618 12.688144 11.385202 10.330834 11.406528
## sample5619 9.429662 10.160546 11.286467 9.712545
## sample5620 10.317897 11.330159 8.651931 10.972105
## sample5621 10.101684 9.716379 7.427398 9.593423
## sample5622 9.942523 13.595946 10.188449 10.951166
## sample5623 9.568937 8.891787 9.154929 9.815572
## sample5624 10.150486 10.571581 7.573974 10.398480
## sample5625 10.468762 12.402658 10.803134 8.242005
## sample5626 10.165993 11.725796 10.229935 10.270310
## sample5627 11.319453 5.636726 10.154856 10.644823
## sample5628 9.985297 10.040505 14.254824 10.685415
## sample5629 10.421559 8.710450 14.341703 11.788700

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## sample5630  9.428823 11.809429 10.346381  6.992645
## sample5631 10.051340 12.116720  7.155714  9.005051
## sample5632  8.314169  8.047819  9.380750  7.445578
## sample5633  8.613376  9.736737 14.346838  6.206097
## sample5634  7.307262 11.196999  9.740847  8.255931
## sample5635  8.294710 11.164278 11.576155 12.360471
## sample5636  7.296116  9.313011  5.656179 11.208677
## sample5637 13.264824  7.701823 10.514549  4.171102
## sample5638  8.856280 10.663211 11.074563  7.159118
## sample5639 11.957859  8.030011  8.862175 12.402472
## sample5640  7.705143  5.074116  6.397802 10.977901
## sample5641 10.885373  7.458303  7.499537  9.267408
## sample5642 11.131148 14.249861  8.033771 10.465179
## sample5643  9.262160 12.974658 10.890134 11.904506
## sample5644  6.552974  7.156453 10.323596  9.647378
## sample5645  9.917326 10.093876  8.666338 10.546826
## sample5646  9.247469  7.770427  8.427489 10.092066
## sample5647 12.326146 13.760859  9.334711  9.428051
## sample5648  6.723340 11.904682 10.036488 12.192183
## sample5649 13.026630  6.414240 15.110056 11.627347
## sample5650  9.586886 10.645755  6.912970  7.199132
## sample5651  9.231101 10.329719  8.898939 12.682224
## sample5652  7.350705 11.031306 11.609118  7.895445
## sample5653 10.969522  7.684652 12.908067  8.989217
## sample5654  9.821076  9.604719  9.069922 10.193814
## sample5655 11.531821  7.814981  9.016212  8.855145
## sample5656  9.202244  8.059369 11.225678 11.574525
## sample5657 10.411301 11.758530 12.316822 10.466190
## sample5658  6.830659  8.346744 12.131283  9.813250
## sample5659  9.506603  8.952203  7.706909  8.769934
## sample5660  6.553142 12.219553 11.076171  7.986450
## sample5661 12.179063  9.499604  9.409742  7.720548
## sample5662 11.376906  7.318691  9.021159  8.705883
## sample5663  9.081508  6.866107  8.264936  5.643176
## sample5664 10.302518 10.433750 11.695961  8.512712
## sample5665  7.300784  8.949228  9.137201 11.914483
## sample5666  9.839721  9.479639 11.613585  8.951493
## sample5667 11.515884 10.477885  9.325948  9.466985
## sample5668  7.403802  9.565035  7.182360 10.707985
## sample5669  7.638230  8.152439  6.713507  9.715086
## sample5670  9.990834 13.394082  9.917631  7.629738
## sample5671  9.515481  9.703664 12.892349 12.416857
## sample5672  8.799996  9.476577  9.127146  9.227060
## sample5673  7.791981  8.177217  9.326359  6.786486
## sample5674  9.934051 10.772361  7.580003 11.228415
## sample5675  8.982535 10.108397 11.007401 10.229492
## sample5676 13.064464 13.011730 16.394406 11.464918
## sample5677  9.615283 12.455021 13.928073 11.141050
## sample5678  7.474874 10.135855  8.317352 11.803453
## sample5679  9.436947 12.732644 11.199345  8.130743
## sample5680 12.981334 10.931739 11.479306  9.622753
## sample5681  8.114450  8.013857  7.906896 10.262213
## sample5682  9.828641  7.161102  6.978156 16.475135
## sample5683  7.317459  7.288457  8.422309  9.607087

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## sample5684 6.261723 8.742398 11.934538 8.988053
## sample5685 9.685679 10.803549 10.316997 7.903680
## sample5686 10.776449 9.725412 6.356331 8.812088
## sample5687 10.572230 10.971473 7.380820 13.702883
## sample5688 9.337607 12.922923 11.099090 7.930652
## sample5689 11.310664 7.356476 7.407717 10.661495
## sample5690 9.644191 9.033473 12.143468 11.752548
## sample5691 10.503411 12.156811 12.752145 12.134091
## sample5692 8.395040 7.650335 10.128995 9.823908
## sample5693 8.445282 11.572499 9.157605 7.113595
## sample5694 7.739032 9.280578 8.912749 10.945742
## sample5695 11.522666 11.109050 9.918671 9.030597
## sample5696 8.993805 8.772585 9.939809 8.710475
## sample5697 10.199114 8.898965 7.614537 11.319730
## sample5698 8.816950 7.576956 12.793244 11.222611
## sample5699 13.942306 11.030704 11.547332 8.079642
## sample5700 10.229897 10.672892 7.331319 9.726954
## sample5701 11.889477 6.923889 12.127026 11.101807
## sample5702 10.463260 11.134493 10.477412 11.069445
## sample5703 10.767499 14.053749 9.233555 11.083378
## sample5704 9.138427 12.429494 8.649521 7.369917
## sample5705 9.647260 10.864304 11.655023 10.459036
## sample5706 13.929850 8.394105 8.881852 11.683513
## sample5707 8.747266 11.877408 12.932063 7.593937
## sample5708 13.968618 11.693036 7.477216 9.832126
## sample5709 9.481730 8.877217 11.559777 10.608480
## sample5710 11.902508 4.980319 11.935872 8.492302
## sample5711 9.852009 12.780809 7.236515 11.943430
## sample5712 10.052390 9.834381 8.670193 5.219859
## sample5713 12.463226 6.381906 3.799970 7.404492
## sample5714 9.760985 11.873863 8.132368 10.999598
## sample5715 9.078422 12.627005 9.716247 12.480513
## sample5716 13.045404 9.121194 7.961966 13.177536
## sample5717 11.133683 9.389418 8.361230 7.803054
## sample5718 6.191606 9.536433 9.853154 9.696863
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## sample5721 10.854521 9.170563 9.670899 7.820354
## sample5722 7.562062 11.931037 10.871574 8.947659
## sample5723 10.896052 12.302336 9.736909 8.249614
## sample5724 11.622337 8.917750 9.985190 10.092178
## sample5725 8.726384 11.121117 9.668699 9.536941
## sample5726 10.866242 9.026175 12.110768 10.609789
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## sample5729 8.954140 7.313874 8.731471 11.205279
## sample5730 10.101614 9.520152 9.559265 7.895484
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## sample5734 13.180123 9.612868 7.928638 8.461704
## sample5735 11.145122 5.796962 9.649041 9.456344
## sample5736 8.976907 10.912336 9.917141 10.676541
## sample5737 11.297304 7.938182 7.787807 7.562357

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## sample5738	10.402452	11.083139	7.868006	9.802200
## sample5739	9.770466	9.678954	6.338473	11.476373
## sample5740	9.017789	9.916530	10.634190	9.866244
## sample5741	9.004022	6.986781	10.812713	6.875332
## sample5742	11.419264	12.761494	9.648231	11.983251
## sample5743	9.168153	9.356921	8.603970	13.448972
## sample5744	8.774533	13.035862	9.701271	9.704461
## sample5745	9.668135	6.687057	7.712244	10.136348
## sample5746	9.479047	12.087998	12.300875	7.759466
## sample5747	10.027886	8.431020	8.427229	11.700931
## sample5748	8.009170	8.789032	11.308577	9.480674
## sample5749	9.604809	10.109113	5.919403	7.396202
## sample5750	11.897669	9.964724	6.649929	6.663918
## sample5751	14.653458	7.651284	8.440416	9.529000
## sample5752	11.489099	10.791631	5.688978	8.288966
## sample5753	8.197338	11.075468	7.904710	12.316967
## sample5754	10.040845	13.159670	7.215505	7.074485
## sample5755	13.494028	9.936171	6.957891	11.098102
## sample5756	11.837738	11.178003	6.996381	13.731914
## sample5757	9.238682	11.246254	9.887859	11.394101
## sample5758	10.276821	12.064231	9.210861	13.612310
## sample5759	11.916086	9.178103	12.049522	11.882542
## sample5760	10.077929	7.234276	12.675226	7.641983
## sample5761	8.070152	11.848693	8.159747	11.425489
## sample5762	11.329646	9.450622	11.503133	9.735894
## sample5763	11.842877	9.297243	7.764705	7.003545
## sample5764	9.273789	12.503374	10.343437	9.090466
## sample5765	11.821904	12.909315	12.128931	13.185759
## sample5766	7.535195	8.306053	11.169129	12.565762
## sample5767	6.550519	6.505036	9.772122	8.106590
## sample5768	10.093535	7.335203	11.489237	10.215076
## sample5769	9.192632	6.747961	12.497054	10.144695
## sample5770	10.948764	8.649398	8.543283	9.125514
## sample5771	8.975042	7.350864	9.381268	10.066860
## sample5772	11.067209	7.737415	11.050852	9.477115
## sample5773	8.134996	11.857933	8.335670	12.268870
## sample5774	12.467447	9.378676	12.309004	9.370811
## sample5775	8.642013	7.742020	7.477578	12.753262
## sample5776	8.984876	3.973417	9.675136	9.367713
## sample5777	12.578555	9.679572	9.352076	10.664870
## sample5778	13.253659	10.513598	8.183604	5.789648
## sample5779	9.996488	6.379099	9.670252	10.909522
## sample5780	6.010973	10.059138	9.338868	10.353902
## sample5781	9.534428	7.737265	12.498304	9.311516
## sample5782	8.092191	7.898342	12.512655	10.808335
## sample5783	10.652267	8.041852	9.633897	5.516580
## sample5784	9.394347	13.511957	10.944717	9.340761
## sample5785	8.590515	9.708256	9.644477	10.234760
## sample5786	11.656682	9.847648	9.960507	7.799909
## sample5787	10.620872	7.734983	8.963124	11.741446
## sample5788	8.564616	10.707553	10.049769	9.115257
## sample5789	12.863695	10.881995	9.710066	11.497794
## sample5790	10.641221	12.310253	6.486682	6.854245
## sample5791	8.845124	13.037074	7.725420	11.203832

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## sample5792 12.150601 12.055352 9.526193 12.736479
## sample5793 6.026755 13.398845 8.229213 11.553263
## sample5794 6.478960 8.923855 11.312571 10.492026
## sample5795 10.146696 10.922941 13.487578 9.310716
## sample5796 8.647297 9.607472 7.793336 10.219281
## sample5797 10.923379 10.220095 9.731107 8.353527
## sample5798 15.436315 12.151228 12.398208 11.028679
## sample5799 12.456343 11.215732 7.244618 9.800751
## sample5800 10.339844 10.868331 14.514391 8.619338
## sample5801 11.589762 7.911335 11.882757 8.633076
## sample5802 6.877869 8.644882 7.019999 10.794883
## sample5803 8.398976 9.837530 10.791229 10.002799
## sample5804 11.247821 14.485507 6.582961 13.629247
## sample5805 11.986731 11.230599 8.595990 11.853201
## sample5806 7.608704 14.292117 9.090926 9.488448
## sample5807 7.675102 10.383803 11.532321 9.861060
## sample5808 8.692759 10.444138 11.283376 8.869954
## sample5809 8.270173 7.914756 7.925006 12.547130
## sample5810 12.372193 8.609969 12.684460 8.060302
## sample5811 14.352742 7.958745 10.320523 10.477054
## sample5812 12.400129 9.512076 14.574548 8.784514
## sample5813 8.704164 10.037717 13.877666 11.353871
## sample5814 12.829800 9.496722 9.473722 13.502276
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## sample5816 11.736642 12.737526 9.144328 10.581730
## sample5817 11.165363 10.847093 10.245878 7.846155
## sample5818 9.075464 8.506010 10.876518 13.305798
## sample5819 8.635120 8.434618 7.226105 12.436424
## sample5820 7.321766 7.434909 9.948069 11.309709
## sample5821 9.941567 9.178033 11.231403 11.941747
## sample5822 8.917911 10.370940 7.619057 9.408689
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## sample5827 10.518976 11.010148 9.628682 10.436900
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## sample5830 12.012349 6.128634 7.462385 9.475938
## sample5831 8.866391 11.822701 10.362414 8.124893
## sample5832 12.044670 14.243777 8.972392 8.820656
## sample5833 6.313441 11.887800 4.982698 11.960739
## sample5834 9.595833 9.634306 12.100201 10.235319
## sample5835 13.379757 12.431637 7.715990 10.364984
## sample5836 9.202035 8.680340 10.270871 10.594568
## sample5837 7.468311 9.322916 10.849095 13.356098
## sample5838 12.293288 7.334970 13.859034 7.680819
## sample5839 9.593633 9.012990 9.749006 12.313450
## sample5840 12.002343 9.544533 11.511564 8.492171
## sample5841 8.995125 11.496859 10.798735 9.356061
## sample5842 10.419545 2.323150 11.182808 12.106563
## sample5843 14.524809 12.052563 10.612852 11.082372
## sample5844 11.096790 12.214533 13.415088 12.560355
## sample5845 11.389545 9.242269 13.883788 9.385566

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## sample5846 6.498955 12.886234 10.673796 10.500929
## sample5847 10.813710 8.322772 10.285056 7.147354
## sample5848 9.119786 12.933843 7.493620 9.573640
## sample5849 10.727226 8.518517 9.668047 11.680224
## sample5850 10.170607 7.691845 6.743202 9.594980
## sample5851 11.289976 12.502752 8.921126 9.472080
## sample5852 8.639579 10.713997 9.885764 10.435389
## sample5853 12.662507 8.622806 5.943415 9.091269
## sample5854 11.593540 9.687920 10.939811 9.378050
## sample5855 10.454771 11.767281 10.254463 11.480759
## sample5856 13.658275 12.230267 11.062938 13.901441
## sample5857 9.861656 9.391463 10.627821 15.363424
## sample5858 9.192590 10.542355 3.676296 9.258248
## sample5859 12.848454 7.878076 10.234217 8.008906
## sample5860 7.284329 13.018340 8.698186 8.939967
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## sample5862 6.139813 12.242273 10.546300 10.317795
## sample5863 10.672605 9.446301 9.042826 9.226424
## sample5864 10.661638 9.543827 14.793432 9.630020
## sample5865 15.813988 11.530185 7.515218 14.706836
## sample5866 9.380135 11.985147 7.781718 12.016428
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## sample5869 11.683176 11.310770 8.585874 10.520294
## sample5870 14.022739 10.137580 11.352268 10.645332
## sample5871 10.934428 12.233177 8.525654 5.651328
## sample5872 10.550135 13.272221 5.249785 10.563513
## sample5873 12.898286 9.383308 8.930084 9.012517
## sample5874 9.314584 9.505388 5.093759 12.771006
## sample5875 9.045340 8.085340 11.517776 12.500432
## sample5876 11.682838 9.189878 9.962414 6.848690
## sample5877 11.993757 7.936835 11.198489 6.348108
## sample5878 7.710819 9.150465 9.406679 13.831410
## sample5879 11.660907 10.188355 8.618852 13.080879
## sample5880 10.698208 7.808329 9.744632 12.176279
## sample5881 10.902339 10.245924 10.491012 8.607314
## sample5882 11.391899 7.269784 9.503766 9.830995
## sample5883 9.716117 8.060856 9.898879 9.090804
## sample5884 12.058346 6.517471 6.032029 9.692276
## sample5885 10.703244 6.728726 10.326024 5.882875
## sample5886 11.728834 9.675714 8.719624 14.329188
## sample5887 10.647848 10.606227 8.938566 13.268553
## sample5888 9.798405 13.909564 6.188534 9.923977
## sample5889 8.628157 13.578311 8.234107 10.213341
## sample5890 8.812457 11.154037 10.849671 12.730063
## sample5891 11.073173 9.314228 13.168037 10.313776
## sample5892 10.957426 8.326025 11.664650 8.695805
## sample5893 8.404985 11.248589 9.561916 10.505551
## sample5894 8.326811 9.787378 7.549684 10.979663
## sample5895 8.455650 9.133210 7.175934 9.651028
## sample5896 10.118661 9.896360 7.953174 11.244668
## sample5897 6.895180 6.225734 8.989323 8.469687
## sample5898 6.109462 14.519583 11.150955 10.179556
## sample5899 7.656620 9.900462 9.462215 9.940763

```

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## sample5900 13.473506 13.304526 10.969502 9.129691
## sample5901 6.238991 6.298095 9.971809 10.147269
## sample5902 6.542900 11.937856 6.249793 10.036891
## sample5903 10.432018 15.237496 9.599520 10.359329
## sample5904 10.344809 9.285401 12.490787 9.721306
## sample5905 14.584797 8.306053 9.499358 12.769806
## sample5906 10.392238 12.132667 8.150293 9.764307
## sample5907 8.655208 9.650080 11.465765 10.050508
## sample5908 15.185035 13.071064 6.271305 11.093983
## sample5909 11.300561 13.009785 7.895271 6.438951
## sample5910 11.364845 10.751241 11.451592 12.674704
## sample5911 13.585787 11.692480 11.519993 11.109683
## sample5912 11.792747 9.881563 7.228177 8.254224
## sample5913 7.917940 6.770474 12.345352 11.295122
## sample5914 9.757353 10.633819 7.956152 9.828984
## sample5915 10.369889 9.806442 11.083434 14.022188
## sample5916 9.458656 6.276396 9.888340 7.656244
## sample5917 10.930850 12.061099 8.214496 10.300742
## sample5918 8.368102 7.847547 8.307929 14.311490
## sample5919 11.763959 10.102813 11.708283 10.850403
## sample5920 6.953019 8.283347 9.888771 10.868757
## sample5921 12.998814 9.049264 9.997833 9.558487
## sample5922 12.331973 8.599591 9.251073 11.639258
## sample5923 8.481718 11.652054 10.591960 11.144910
## sample5924 9.517603 10.487343 9.559735 7.462201
## sample5925 9.645961 8.632222 11.181402 11.599711
## sample5926 7.394081 10.642254 11.188458 12.973847
## sample5927 9.418424 10.768816 13.485704 8.941086
## sample5928 5.889407 9.027337 10.479352 8.504028
## sample5929 7.349994 10.210365 9.371278 13.815710
## sample5930 8.734624 9.925253 10.181639 11.013578
## sample5931 11.184924 11.879937 9.637331 6.068230
## sample5932 7.822170 9.528523 10.016766 12.057300
## sample5933 13.387869 11.521148 13.941763 6.160066
## sample5934 10.108399 11.553378 8.196697 6.817092
## sample5935 10.391919 6.983264 8.174983 6.391158
## sample5936 12.372965 7.241333 8.432216 11.043856
## sample5937 7.501247 11.534597 10.526638 10.845643
## sample5938 11.847169 7.583601 9.804328 9.519102
## sample5939 9.215526 4.400973 8.216735 10.222945
## sample5940 8.018094 13.929057 12.537238 8.619848
## sample5941 13.676625 7.455652 8.329469 13.387188
## sample5942 8.969985 11.069425 6.213991 9.888515
## sample5943 10.592663 11.116712 7.545106 7.397649
## sample5944 9.397105 9.968923 5.082224 11.553970
## sample5945 6.794423 13.294464 10.618582 10.594139
## sample5946 9.610329 9.951274 9.763014 8.768878
## sample5947 8.718773 8.417764 8.292850 10.759921
## sample5948 13.295152 11.319812 12.286673 11.755185
## sample5949 9.847736 8.222282 10.060336 10.520267
## sample5950 11.779449 6.701675 9.565434 9.502048
## sample5951 12.002810 9.520319 9.929779 7.526471
## sample5952 10.020726 10.522226 9.223313 9.774419
## sample5953 9.625515 10.216396 7.108386 11.662774

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## sample5954	10.918996	13.045063	7.261978	11.047222
## sample5955	11.759214	7.555605	9.707080	5.277102
## sample5956	8.892584	9.178214	11.199297	12.694135
## sample5957	9.716806	7.266428	11.241058	8.408170
## sample5958	11.415294	9.413800	8.536881	8.771941
## sample5959	8.012153	9.069032	12.371671	6.521910
## sample5960	10.161645	9.267967	11.573017	11.050713
## sample5961	7.907923	10.738490	10.832201	10.571146
## sample5962	7.322810	9.680796	10.036854	12.511522
## sample5963	8.871894	11.105973	11.019549	10.097869
## sample5964	9.577397	9.115168	10.249831	9.926213
## sample5965	10.492278	7.979615	13.680602	11.193996
## sample5966	7.786004	8.210947	9.406140	10.389340
## sample5967	8.045729	8.197793	7.378384	8.225171
## sample5968	9.068734	9.431446	7.231536	10.847766
## sample5969	12.284078	10.914264	13.030217	12.622447
## sample5970	14.181140	12.845794	6.991720	8.510440
## sample5971	10.774483	10.849701	9.589055	9.977339
## sample5972	10.508432	12.651521	11.154273	16.356879
## sample5973	10.007675	11.508423	11.683683	6.478757
## sample5974	7.986053	10.824165	11.081856	12.422987
## sample5975	7.854492	11.506784	10.573341	6.074816
## sample5976	9.145123	10.424130	11.560577	10.846048
## sample5977	9.736234	9.065420	6.116630	12.378798
## sample5978	10.092070	11.634068	11.829275	7.550431
## sample5979	8.277094	14.375908	9.460041	6.047253
## sample5980	9.122190	8.404609	11.994481	14.877409
## sample5981	8.307613	14.984929	9.787543	10.753342
## sample5982	8.493970	10.909137	10.259203	10.201494
## sample5983	10.693552	8.764366	8.842506	15.363215
## sample5984	11.192100	11.715421	10.359470	12.651079
## sample5985	14.695357	8.745328	11.991605	9.848820
## sample5986	10.921354	10.079535	8.949902	10.667829
## sample5987	7.941303	10.504135	9.950162	12.089163
## sample5988	11.001950	10.340699	8.348559	10.790177
## sample5989	9.185266	10.549325	12.818796	9.292937
## sample5990	10.652194	9.156329	10.087475	10.905535
## sample5991	8.059037	11.362747	8.785516	11.842920
## sample5992	11.102001	12.829774	11.734636	10.345315
## sample5993	10.182216	14.086519	9.495932	9.792442
## sample5994	11.621520	7.516847	11.969718	7.999329
## sample5995	7.165059	9.229863	8.479874	9.024247
## sample5996	14.740246	9.355883	8.284325	10.463159
## sample5997	11.441112	9.093539	10.803758	9.416963
## sample5998	10.923340	8.150733	10.164765	11.369847
## sample5999	6.580834	10.797878	11.120345	7.740151
## sample6000	8.240570	11.035785	12.432560	8.439679
## sample6001	7.983070	7.871089	12.270205	10.399050
## sample6002	11.478849	13.107786	10.336207	14.138773
## sample6003	10.090962	9.619261	8.860347	8.959707
## sample6004	9.070665	11.334866	9.403696	7.496695
## sample6005	7.347166	9.977295	8.310380	12.339376
## sample6006	7.333730	8.454757	11.963330	9.985695
## sample6007	9.497373	13.128308	13.458285	11.056842


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## sample6008 7.345200 13.658023 10.947072 12.552350
## sample6009 8.308182 7.434082 10.087701 7.584924
## sample6010 11.703512 10.866963 9.613119 9.139668
## sample6011 12.684330 10.486167 9.469507 7.129592
## sample6012 4.644568 11.356970 6.747692 11.919451
## sample6013 7.039543 9.516883 12.509464 11.615707
## sample6014 10.375906 9.688488 8.312638 14.418042
## sample6015 8.501302 11.278593 11.383512 9.456376
## sample6016 8.431736 13.077318 9.963828 11.846651
## sample6017 11.934209 10.003474 15.036048 10.406915
## sample6018 8.866344 7.866613 9.814311 8.451316
## sample6019 7.973668 6.032187 7.209599 10.485341
## sample6020 9.555065 11.371481 12.120689 9.696343
## sample6021 9.973935 7.434896 11.552756 9.779122
## sample6022 7.782322 10.411291 10.890680 9.501598
## sample6023 8.469158 11.235641 5.643551 11.090768
## sample6024 6.973955 10.158983 8.849365 7.236261
## sample6025 10.353242 5.960268 9.683220 11.606295
## sample6026 8.862741 14.412473 10.526477 10.941676
## sample6027 10.130561 11.647629 10.012024 7.734481
## sample6028 9.768800 7.814368 12.485252 11.470927
## sample6029 8.805492 12.647654 12.755291 7.257161
## sample6030 10.371207 10.939115 10.713899 10.786332
## sample6031 11.422023 12.368907 13.465934 11.053337
## sample6032 11.082380 9.836406 11.207815 8.296226
## sample6033 10.200648 9.011729 10.790758 8.947752
## sample6034 6.387594 9.466923 10.744887 8.990590
## sample6035 11.023955 8.922660 9.030997 12.308164
## sample6036 10.101800 9.328197 9.852735 7.552918
## sample6037 7.291027 8.176593 11.072276 9.758532
## sample6038 11.160612 10.052928 10.625846 6.805794
## sample6039 10.971090 11.604878 7.906489 9.009537
## sample6040 7.800911 12.349157 9.910154 10.128873
## sample6041 11.546826 11.345446 12.939325 10.337175
## sample6042 10.328022 11.574646 7.878446 8.946974
## sample6043 10.340189 10.901419 10.575350 9.265191
## sample6044 8.794773 10.048670 8.437049 11.201891
## sample6045 11.998192 11.125557 8.333468 8.178979
## sample6046 9.873031 9.492530 14.203636 12.780243
## sample6047 10.103588 7.490835 8.699301 13.471752
## sample6048 10.121654 7.202849 10.219991 8.644618
## sample6049 7.594956 8.205393 9.531010 7.778688
## sample6050 7.922042 9.265429 8.840017 7.664879
## sample6051 5.396054 8.958935 8.192775 8.853555
## sample6052 8.034216 10.598443 11.804178 6.206099
## sample6053 7.433230 10.264245 8.103145 12.242836
## sample6054 12.117479 9.580041 12.993085 11.867649
## sample6055 11.513407 9.880428 12.229209 11.596294
## sample6056 9.767487 8.666532 11.171657 8.094325
## sample6057 9.115391 7.872449 9.567764 10.280059
## sample6058 10.564013 11.616362 11.901075 11.045705
## sample6059 11.020424 13.160816 10.986215 7.784198
## sample6060 7.632734 9.934689 13.487386 10.263590
## sample6061 6.717613 9.345925 8.795176 7.702041

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## sample6062 10.829598 11.118260 8.650762 7.301023
## sample6063 8.847243 9.008015 10.032478 7.093453
## sample6064 7.747955 16.111378 12.132442 11.875161
## sample6065 6.589770 9.586510 8.759767 9.181298
## sample6066 13.013030 8.205866 11.455509 11.037295
## sample6067 10.163048 8.442388 11.084243 11.011465
## sample6068 10.808115 11.461190 10.976814 10.872953
## sample6069 9.736708 10.941338 10.671715 10.929465
## sample6070 12.547217 4.520662 6.453670 7.923155
## sample6071 8.316120 10.252133 6.661128 10.372300
## sample6072 10.758847 7.998255 9.302514 8.034383
## sample6073 13.060516 6.355304 8.712713 8.804128
## sample6074 10.125310 12.641792 10.655452 15.330563
## sample6075 9.331273 10.847742 9.429445 8.763008
## sample6076 8.716099 7.589114 9.989375 10.204467
## sample6077 6.963726 11.676415 13.654177 8.971416
## sample6078 10.260092 11.485819 8.167046 13.908318
## sample6079 11.488850 15.264687 8.705467 7.117768
## sample6080 9.931574 8.560961 12.156322 9.289426
## sample6081 9.275479 8.105667 12.114638 6.400872
## sample6082 15.577176 7.848688 10.891292 10.562161
## sample6083 6.239227 9.591759 8.361375 12.376211
## sample6084 11.634356 4.805940 9.628143 12.221047
## sample6085 13.049900 10.698452 11.745722 11.306781
## sample6086 6.576873 10.781426 11.250445 10.583849
## sample6087 12.283465 8.470557 9.892558 12.702686
## sample6088 12.595229 9.527142 9.638187 11.488789
## sample6089 12.287427 9.321380 12.432022 8.743405
## sample6090 8.638153 10.146214 12.755774 13.713205
## sample6091 9.829017 10.255394 8.249784 9.758973
## sample6092 9.695029 9.456791 8.434013 10.524894
## sample6093 8.394687 8.846050 10.553048 9.078860
## sample6094 9.504797 10.903708 11.988159 10.601910
## sample6095 11.002116 8.742848 9.091150 11.837300
## sample6096 12.309494 12.249381 8.679430 11.383430
## sample6097 7.178766 9.505638 8.230596 8.680114
## sample6098 9.613612 10.166915 11.043037 7.938617
## sample6099 11.447551 12.205486 8.981716 8.609776
## sample6100 7.762130 11.687613 9.447510 13.058036
## sample6101 10.122341 7.761713 9.772203 9.128426
## sample6102 6.909257 11.296339 9.998438 7.045947
## sample6103 10.356279 11.105083 6.648395 10.635494
## sample6104 7.925970 10.497594 9.082821 13.771124
## sample6105 9.347559 7.283091 9.158953 10.220892
## sample6106 9.477865 12.125785 11.171901 8.548399
## sample6107 6.038074 11.581269 11.692771 11.991483
## sample6108 6.877829 8.974961 9.437413 7.612501
## sample6109 8.692795 7.907833 11.761244 12.851952
## sample6110 12.027236 8.981964 10.532493 9.869731
## sample6111 10.208513 10.008636 9.487105 11.314092
## sample6112 11.507543 11.418993 8.771563 9.732772
## sample6113 6.604420 10.638300 8.390009 10.320722
## sample6114 11.489658 9.348810 10.833753 15.058449
## sample6115 8.987610 7.092508 12.834682 12.519058

```

## sample6116	12.295031	8.983994	12.572069	14.170199
## sample6117	9.994669	9.357122	10.680956	12.773342
## sample6118	7.483350	10.525461	15.096152	10.328949
## sample6119	5.282822	11.252613	9.248578	11.137727
## sample6120	12.322982	10.953787	7.915125	11.399252
## sample6121	8.962752	9.506026	11.163256	12.195519
## sample6122	11.300476	12.039935	11.890532	11.334182
## sample6123	7.326459	7.597521	11.780930	7.365111
## sample6124	9.315818	7.915439	13.419136	4.456925
## sample6125	7.001981	12.115688	7.491687	10.681972
## sample6126	12.168486	10.613265	11.819002	8.066222
## sample6127	10.415963	12.917281	11.204233	12.835854
## sample6128	12.929852	12.354734	10.454203	10.885515
## sample6129	9.018993	11.196738	10.084214	9.400234
## sample6130	10.549232	10.674480	8.846406	8.254681
## sample6131	10.071653	13.686648	10.955559	8.088589
## sample6132	11.823305	5.393895	7.816452	12.726816
## sample6133	8.223845	4.348466	11.489732	11.417523
## sample6134	10.492740	10.556629	12.803967	9.974855
## sample6135	10.834350	8.221147	12.140650	7.467376
## sample6136	6.763853	7.591321	13.409892	9.652304
## sample6137	7.078288	8.043877	11.461252	11.287152
## sample6138	6.862883	10.808563	4.489817	8.397424
## sample6139	9.104923	9.576742	11.015306	10.820820
## sample6140	9.060069	13.091140	9.825711	6.612584
## sample6141	9.888560	9.597797	8.990670	11.156550
## sample6142	14.175552	8.349138	10.043166	12.777378
## sample6143	10.984226	12.210480	15.164902	8.369171
## sample6144	12.097325	10.428181	11.591987	4.419483
## sample6145	10.223035	12.159235	11.524302	9.878081
## sample6146	11.688905	9.053559	8.335267	8.289851
## sample6147	5.200880	10.982273	8.126498	10.833678
## sample6148	13.617434	8.173683	16.326260	11.517979
## sample6149	9.189493	9.562175	11.761847	9.186888
## sample6150	9.818721	8.662103	9.252927	12.470069
## sample6151	11.886122	10.966617	8.388313	6.010922
## sample6152	14.224459	11.535690	8.697221	9.443183
## sample6153	8.773216	7.354365	13.324383	11.078634
## sample6154	15.296195	10.568554	13.070958	9.636862
## sample6155	7.758543	12.812838	9.841926	13.591790
## sample6156	9.641027	7.462446	7.187421	9.810335
## sample6157	10.926939	10.601181	10.150486	6.405272
## sample6158	11.573359	9.391630	5.608030	11.155997
## sample6159	9.767926	14.001527	9.406355	11.944962
## sample6160	7.218926	9.376300	6.863286	10.286818
## sample6161	10.122317	8.923508	9.812930	11.792691
## sample6162	11.319875	13.553904	9.089615	8.978529
## sample6163	6.153072	12.603465	9.540888	14.329810
## sample6164	9.198362	7.624665	11.861803	10.706363
## sample6165	5.201172	10.607947	11.052390	10.873743
## sample6166	7.580950	10.593391	12.162754	8.975224
## sample6167	8.795748	9.027975	9.462279	6.424968
## sample6168	10.420658	13.987470	7.598337	13.942948
## sample6169	9.007221	12.172252	8.839494	8.264243

## sample6170	10.507602	9.452841	9.624731	13.338568
## sample6171	11.517212	11.637964	6.274896	6.986932
## sample6172	11.491530	12.032979	12.389937	8.707324
## sample6173	9.906997	10.435752	9.517593	15.656048
## sample6174	12.007503	9.528491	12.626955	6.562454
## sample6175	9.607127	12.446962	13.113976	10.247485
## sample6176	6.013105	9.652537	12.361932	13.222197
## sample6177	9.070470	10.037210	7.003882	5.948802
## sample6178	8.323045	8.281170	12.631379	9.544917
## sample6179	8.967174	12.573252	14.120518	8.831424
## sample6180	7.948691	8.079321	10.402773	8.313134
## sample6181	8.818835	10.665498	10.594506	10.616466
## sample6182	14.770968	11.865082	8.105789	9.830518
## sample6183	12.104601	11.343674	9.008115	10.377465
## sample6184	11.002178	8.790387	12.487062	9.048818
## sample6185	10.687455	9.526483	9.798244	7.910647
## sample6186	9.556127	5.038407	14.196493	11.022556
## sample6187	9.339437	6.323344	7.256930	6.684735
## sample6188	12.043928	7.898688	9.744392	13.068024
## sample6189	5.722979	8.865386	7.685549	7.980472
## sample6190	10.350842	12.987356	11.470967	9.667509
## sample6191	9.099355	8.125287	10.901367	7.816312
## sample6192	9.527868	10.916403	10.786111	8.786037
## sample6193	7.960330	11.749594	12.049556	8.706698
## sample6194	6.430842	10.229801	9.585747	9.236384
## sample6195	8.730651	10.632997	8.435059	10.691359
## sample6196	4.946774	9.668257	10.678686	9.915332
## sample6197	11.476458	11.130333	10.892187	11.307423
## sample6198	8.069968	9.607054	6.774116	10.469386
## sample6199	7.494086	9.865485	10.367894	11.474672
## sample6200	11.840902	11.623019	6.023635	10.377359
## sample6201	11.110900	12.200682	8.267806	10.665902
## sample6202	7.843071	10.314776	8.705417	8.683081
## sample6203	10.569819	9.829654	9.567829	8.331834
## sample6204	12.246388	9.920842	10.356297	9.803243
## sample6205	10.073506	13.327046	7.872749	11.837375
## sample6206	10.577657	13.993420	10.717796	3.926867
## sample6207	10.122000	9.626275	10.328981	9.977150
## sample6208	9.394482	10.443723	13.602586	11.846147
## sample6209	11.203562	4.777070	12.219436	10.451847
## sample6210	9.311142	11.291784	10.216829	8.344010
## sample6211	7.638011	8.706400	8.113576	9.403192
## sample6212	8.233193	10.187771	12.414888	10.957385
## sample6213	12.775864	7.729194	10.198352	6.753521
## sample6214	8.477162	4.951630	10.196745	8.617210
## sample6215	9.381265	10.049225	8.910546	9.239718
## sample6216	7.724688	7.256281	10.954333	7.916267
## sample6217	8.622003	11.939928	7.211338	8.722911
## sample6218	8.283651	11.747126	10.811935	12.122280
## sample6219	12.358566	8.912128	12.810771	8.024552
## sample6220	10.587506	9.436857	10.274821	12.278720
## sample6221	8.341597	10.404668	15.648577	9.467405
## sample6222	8.668392	11.288239	10.456976	11.480822
## sample6223	8.231463	11.364669	11.796151	11.379741

## sample6224	7.454702	8.644375	12.457303	11.167480
## sample6225	8.523558	9.076789	7.314526	7.414169
## sample6226	10.008543	9.024710	10.494494	10.929434
## sample6227	11.722922	9.696602	8.615355	10.963114
## sample6228	13.025328	9.576529	11.395385	8.791631
## sample6229	4.984422	7.129085	9.886305	8.474346
## sample6230	7.953668	11.538844	12.109559	10.482803
## sample6231	8.499651	6.586290	11.936937	12.157449
## sample6232	7.503383	5.583973	8.167667	10.341670
## sample6233	11.411421	8.967339	12.534406	4.212820
## sample6234	8.285332	8.495600	10.783214	6.300437
## sample6235	10.301042	13.077818	11.143869	12.288540
## sample6236	9.706342	13.286063	10.818267	12.176818
## sample6237	8.203651	11.025489	13.765556	10.396171
## sample6238	9.783028	12.455312	10.494874	8.625209
## sample6239	4.740994	10.836878	11.668257	10.065450
## sample6240	11.335551	8.720499	10.328166	10.048374
## sample6241	10.404361	9.158726	8.143642	12.773113
## sample6242	8.803164	8.578016	9.184009	4.600077
## sample6243	11.591485	12.760580	8.987376	9.691532
## sample6244	11.344328	12.587633	11.826695	7.771662
## sample6245	12.804213	13.869345	11.296766	7.723113
## sample6246	9.501778	8.650141	12.277523	8.852535
## sample6247	11.744822	8.163033	8.902493	11.800147
## sample6248	6.762983	9.921409	11.103736	9.229219
## sample6249	7.980006	7.727523	9.147438	11.344508
## sample6250	10.887817	9.902594	4.925385	7.838596
## sample6251	13.098754	12.132998	7.773609	13.518092
## sample6252	6.946173	12.873429	12.225598	9.373547
## sample6253	12.475767	7.386847	9.996645	8.861528
## sample6254	7.814718	10.285766	10.758639	9.139954
## sample6255	6.602413	10.475512	6.338625	10.106926
## sample6256	14.595998	10.353311	13.075195	12.023166
## sample6257	5.967647	12.071640	6.624314	10.129697
## sample6258	11.435175	9.978517	8.398828	9.673170
## sample6259	8.416670	12.114940	10.120918	7.943651
## sample6260	12.402589	8.909725	10.316858	9.828434
## sample6261	9.943489	6.857992	8.526326	8.507446
## sample6262	7.471775	12.523716	13.536692	8.475403
## sample6263	13.043170	8.609413	7.517325	11.380547
## sample6264	9.841261	9.557790	7.421975	7.771941
## sample6265	14.422342	9.432198	10.780249	10.957516
## sample6266	10.700265	10.375906	7.675497	9.293410
## sample6267	7.103472	9.767751	10.872132	8.927177
## sample6268	10.589318	9.300433	12.068072	9.056017
## sample6269	13.856785	6.555373	12.868218	9.915823
## sample6270	11.483509	7.468938	8.440898	12.646858
## sample6271	7.945146	8.296151	12.078707	7.927326
## sample6272	11.879177	11.827776	8.510852	9.536916
## sample6273	9.840751	7.306525	11.147184	8.132742
## sample6274	11.622738	7.223778	9.421241	8.231717
## sample6275	10.522988	9.505661	10.083271	11.644299
## sample6276	7.378195	10.990109	10.390285	7.793584
## sample6277	10.422213	12.407844	9.951037	6.749414

## sample6278	12.011263	9.432433	9.994630	11.851025
## sample6279	6.514011	12.291406	10.888607	7.845276
## sample6280	10.355815	10.308471	8.453545	9.565605
## sample6281	9.708974	12.527883	9.461942	8.518982
## sample6282	10.843620	11.838901	12.783687	11.658593
## sample6283	11.260302	6.266100	9.596540	13.532202
## sample6284	12.466271	8.838164	8.001655	11.568189
## sample6285	14.130342	8.745110	6.410079	10.954261
## sample6286	10.713526	11.929867	11.125233	8.195381
## sample6287	6.842682	10.006551	9.586003	12.529954
## sample6288	10.334434	8.744274	8.610392	7.291394
## sample6289	8.594942	12.165396	9.762908	11.395822
## sample6290	6.942009	9.370822	10.245328	8.766522
## sample6291	11.099140	10.507475	7.693565	8.546021
## sample6292	8.330679	7.479504	6.472384	11.852691
## sample6293	10.934314	10.614538	8.125722	12.261734
## sample6294	5.393844	6.695685	7.399325	9.813471
## sample6295	7.753691	9.973024	8.821562	8.901622
## sample6296	8.401846	8.680765	10.018074	9.625888
## sample6297	7.229551	12.227264	7.246109	7.345926
## sample6298	9.862606	9.105176	13.325440	11.956778
## sample6299	6.264666	10.690302	10.550792	7.824803
## sample6300	9.567590	7.003734	7.916987	9.912202
## sample6301	8.994208	10.178394	12.548152	12.805573
## sample6302	11.295100	9.111087	10.310530	9.047052
## sample6303	10.056196	8.267916	11.389362	9.289658
## sample6304	6.295031	9.245543	7.091933	12.737026
## sample6305	7.415971	10.430232	5.067025	10.212503
## sample6306	11.405060	9.616251	9.685996	13.707042
## sample6307	12.862634	7.896654	9.407924	11.720235
## sample6308	8.367183	10.334257	8.679392	8.536185
## sample6309	9.848086	13.503620	6.537149	9.118893
## sample6310	5.508018	6.739826	11.451275	8.434064
## sample6311	9.798164	6.341251	9.081644	9.524471
## sample6312	11.400457	7.813761	10.619874	9.595721
## sample6313	11.342783	9.828594	11.019031	10.206278
## sample6314	11.756689	12.732779	12.466491	10.801352
## sample6315	15.214666	9.002093	7.553396	10.177586
## sample6316	9.913526	11.881793	13.358510	9.872838
## sample6317	12.970870	10.926676	9.690661	4.989611
## sample6318	11.468562	6.549715	9.587221	8.939009
## sample6319	13.116131	10.236604	11.861361	10.822106
## sample6320	12.908756	9.842067	12.240436	10.702261
## sample6321	10.651681	10.900252	7.690124	9.711075
## sample6322	10.911165	8.699075	10.292298	10.489825
## sample6323	14.290605	9.539928	11.456641	7.855938
## sample6324	8.276182	11.766910	10.997383	9.795208
## sample6325	8.179411	12.008706	8.596645	7.039080
## sample6326	6.323189	13.550091	9.303292	5.761839
## sample6327	8.198531	8.409245	14.244186	11.918206
## sample6328	10.147807	10.865935	8.958431	5.803074
## sample6329	7.581225	9.987894	11.798311	7.859732
## sample6330	9.095286	8.066839	10.781017	11.686663
## sample6331	12.929443	7.900786	8.921776	5.468005

## sample6332	8.059281	10.463573	7.727894	9.461311
## sample6333	11.602204	9.400160	10.224787	11.219147
## sample6334	11.770345	7.773133	9.536172	7.572007
## sample6335	9.267234	10.622097	9.128728	11.647702
## sample6336	7.616450	8.382984	10.733072	7.804293
## sample6337	12.805189	10.043045	9.661014	10.206501
## sample6338	9.797937	7.555741	7.960898	11.085334
## sample6339	9.211806	11.013415	8.516842	9.843546
## sample6340	9.589454	9.606824	9.163792	6.900383
## sample6341	7.636765	9.451009	8.970180	10.684390
## sample6342	10.385601	10.117287	10.273663	10.588753
## sample6343	8.950617	7.237018	11.655206	9.887519
## sample6344	9.561413	10.674215	7.374045	14.587095
## sample6345	8.200778	13.006907	6.269720	10.448550
## sample6346	11.463278	8.417521	12.161752	11.568319
## sample6347	12.689745	7.690449	7.782569	10.549950
## sample6348	11.107396	15.639228	10.304777	11.605859
## sample6349	11.758239	8.514853	7.084636	9.038736
## sample6350	9.596824	11.665398	8.488345	10.218309
## sample6351	10.375246	10.869920	10.650144	11.037333
## sample6352	15.882270	9.713037	9.207540	11.955492
## sample6353	9.463743	10.035946	9.275350	11.441423
## sample6354	12.142900	9.450856	8.381022	8.923180
## sample6355	10.289367	10.134410	9.039823	7.862112
## sample6356	9.405705	10.103120	11.914332	11.359657
## sample6357	12.014071	11.912267	9.922189	10.834063
## sample6358	6.270651	11.127423	8.511753	9.059277
## sample6359	10.683907	8.907474	13.214080	9.984689
## sample6360	10.867338	8.273401	7.704045	10.819261
## sample6361	9.439180	11.442996	9.731147	9.681044
## sample6362	10.057393	10.577031	10.272409	10.333795
## sample6363	7.201481	8.586482	13.913378	10.735184
## sample6364	8.841948	11.135379	5.413957	11.233969
## sample6365	7.424570	10.405743	8.137967	14.057604
## sample6366	11.095440	7.571493	9.649503	7.322871
## sample6367	5.804299	11.364587	8.101839	10.552038
## sample6368	12.140890	10.559497	7.826549	10.916922
## sample6369	8.472495	11.035190	10.039504	8.065987
## sample6370	8.089605	9.652979	9.639421	10.907429
## sample6371	9.430915	8.889033	9.057818	12.363359
## sample6372	9.722243	10.297060	8.236608	10.646418
## sample6373	11.922524	8.808939	7.487841	12.227913
## sample6374	11.534456	9.319833	8.298237	7.587156
## sample6375	10.411012	11.693776	11.876860	8.979052
## sample6376	10.362302	15.536848	7.405635	13.018135
## sample6377	6.915046	6.855054	11.177751	9.689400
## sample6378	8.324488	10.297034	7.801923	8.487627
## sample6379	11.856054	4.531905	8.086450	9.446393
## sample6380	11.168267	12.858032	9.890375	5.694575
## sample6381	11.922151	11.474165	8.011115	8.424564
## sample6382	10.053714	9.811867	11.830263	13.541643
## sample6383	10.758760	12.516725	10.057759	9.364873
## sample6384	12.367536	7.931953	8.516790	8.903000
## sample6385	10.902439	10.170296	9.215160	5.638804

## sample6386	11.906374	8.958687	12.734546	10.603602
## sample6387	9.158570	10.933973	10.454599	11.565028
## sample6388	7.843094	7.421329	9.749138	8.463678
## sample6389	8.931254	10.502030	8.273699	11.222073
## sample6390	11.572840	8.999137	6.965643	6.620204
## sample6391	8.416947	8.635176	11.718445	7.844147
## sample6392	10.019162	10.582520	9.193963	7.564014
## sample6393	6.901574	12.319106	6.681730	12.413780
## sample6394	9.192875	10.545200	3.892389	11.849891
## sample6395	7.994960	12.143461	11.361577	10.965465
## sample6396	9.547358	11.045060	12.704351	12.726565
## sample6397	8.455492	8.599621	8.371991	11.430838
## sample6398	9.984023	10.175845	7.827317	11.805402
## sample6399	7.913979	7.049942	7.712521	9.805608
## sample6400	12.498471	6.484339	10.964478	7.424424
## sample6401	10.374569	11.638505	8.463899	6.787791
## sample6402	6.944163	15.058573	12.286113	9.202068
## sample6403	10.125036	9.432480	11.881267	9.415146
## sample6404	8.128574	10.777988	9.175920	11.338029
## sample6405	9.686693	7.142438	9.340668	8.989757
## sample6406	12.743604	11.285499	9.074178	10.491454
## sample6407	4.881302	11.552676	9.272571	7.248709
## sample6408	9.395446	11.956680	13.323899	10.707978
## sample6409	13.503902	11.660079	5.710861	10.653975
## sample6410	8.714852	11.254540	13.609837	7.855664
## sample6411	8.940826	13.497480	6.563003	9.919773
## sample6412	12.696651	8.521664	5.378121	6.116961
## sample6413	12.794586	8.470869	10.480375	5.765108
## sample6414	9.155563	6.478479	7.143510	12.582131
## sample6415	11.393679	13.070296	7.443388	7.663338
## sample6416	11.232992	10.776159	8.304811	8.104071
## sample6417	8.992519	7.411188	8.127639	10.924870
## sample6418	12.048007	9.612029	7.024279	11.845956
## sample6419	6.738190	10.495079	8.345175	8.557615
## sample6420	10.490437	7.581601	7.329086	11.203388
## sample6421	6.083414	9.440288	8.389468	9.381424
## sample6422	10.463149	11.572242	10.534610	9.143015
## sample6423	4.756123	11.266619	9.451954	11.033945
## sample6424	9.484074	10.326493	5.339449	11.227768
## sample6425	8.514882	8.200258	11.756671	9.968551
## sample6426	10.889973	4.965907	12.287034	11.374788
## sample6427	11.900699	7.945875	7.445980	13.452768
## sample6428	10.973301	7.358619	8.173112	10.668864
## sample6429	12.079333	12.151147	8.967485	10.553108
## sample6430	12.652529	6.234440	10.516694	8.518300
## sample6431	9.114906	8.090630	11.287516	9.912678
## sample6432	11.139949	11.877216	15.246879	11.012643
## sample6433	11.004239	6.920733	13.274579	9.214857
## sample6434	9.346987	10.881204	8.324480	10.168706
## sample6435	8.115190	11.149822	7.563668	7.579338
## sample6436	5.293250	12.675807	8.651429	10.749871
## sample6437	11.673201	9.247523	12.761951	11.372558
## sample6438	11.217237	8.959463	11.385127	13.014765
## sample6439	8.469642	8.038229	11.718799	11.871004

## sample6440	9.885894	8.866028	12.991014	9.197420
## sample6441	9.517842	11.142089	11.782065	11.428129
## sample6442	7.427085	8.862284	9.144756	8.338969
## sample6443	7.964389	13.215171	11.091894	13.294893
## sample6444	13.031353	13.800357	10.233624	12.692366
## sample6445	9.585640	11.557076	11.025030	12.465604
## sample6446	9.430931	9.397766	10.951163	9.611604
## sample6447	9.981112	14.210721	11.077120	10.926439
## sample6448	9.895323	7.897850	10.761064	10.519648
## sample6449	5.783225	10.017818	10.863804	7.872003
## sample6450	12.165498	9.369571	9.969824	13.254763
## sample6451	11.831166	8.964327	11.588054	10.135651
## sample6452	10.059936	9.813826	11.373462	8.958235
## sample6453	10.734198	8.648056	11.484316	9.080747
## sample6454	5.675594	10.240769	11.946439	9.692732
## sample6455	9.779409	8.837373	11.346966	8.592904
## sample6456	8.811188	9.321573	10.948711	9.734490
## sample6457	11.056241	11.640019	11.001888	8.227589
## sample6458	7.300887	9.842673	13.862350	9.625315
## sample6459	8.567467	10.471173	11.630580	7.357599
## sample6460	11.207749	6.367887	11.829632	9.847663
## sample6461	5.004273	11.197638	10.200913	9.271541
## sample6462	8.215048	8.188588	11.923479	12.704730
## sample6463	11.778116	7.696054	11.312942	12.286741
## sample6464	7.669044	9.652989	12.137869	12.446975
## sample6465	8.223791	11.801495	6.117366	7.120153
## sample6466	8.673003	9.491701	9.825550	9.650372
## sample6467	5.494250	11.610934	7.671887	8.993930
## sample6468	8.912612	14.160920	6.546575	7.867184
## sample6469	11.277165	10.111879	9.094521	8.132603
## sample6470	11.448909	6.786799	11.197043	10.846226
## sample6471	10.998626	10.613774	11.402990	9.811699
## sample6472	6.837593	11.528957	9.063448	10.718922
## sample6473	11.049522	12.199100	10.033756	11.728796
## sample6474	11.817930	10.087480	8.850569	10.203940
## sample6475	8.472712	8.717427	8.399772	7.807395
## sample6476	10.303720	11.612608	10.272838	13.457492
## sample6477	8.231587	8.207015	8.568231	12.951958
## sample6478	12.376638	8.063626	8.118594	7.799333
## sample6479	10.068965	10.616673	9.522052	9.768656
## sample6480	10.717588	10.221012	10.120212	10.104560
## sample6481	13.852416	12.862842	8.930709	7.127092
## sample6482	5.985853	13.445725	5.230427	11.338718
## sample6483	9.625243	10.868356	11.077859	12.710855
## sample6484	9.565686	10.408601	10.808437	10.652522
## sample6485	9.790513	8.726556	7.970602	7.036506
## sample6486	8.664130	11.249597	11.674869	14.161375
## sample6487	10.854699	5.803949	9.495420	11.005592
## sample6488	7.267516	8.767052	7.856738	6.462308
## sample6489	10.561943	10.598410	9.327850	13.322826
## sample6490	9.840483	8.850434	7.799316	8.922606
## sample6491	8.773507	7.963357	9.591355	12.170583
## sample6492	8.389333	9.564339	8.847031	11.113234
## sample6493	7.945590	8.762027	11.171033	7.620591

## sample6494	6.670006	11.305690	11.118152	9.276680
## sample6495	9.855783	11.492708	8.840080	9.178080
## sample6496	11.413681	11.953669	9.378823	10.814546
## sample6497	10.368920	11.802440	11.103865	7.895595
## sample6498	9.775818	9.590405	9.771403	8.227574
## sample6499	12.157526	10.633298	9.500850	13.553979
## sample6500	11.434065	7.822896	8.919078	10.357724
## sample6501	10.180109	10.054074	9.354800	11.661007
## sample6502	9.073889	8.336575	7.168126	8.384461
## sample6503	8.833087	8.255067	11.866068	11.332494
## sample6504	8.545091	9.530811	10.638517	11.237954
## sample6505	4.675193	11.849269	7.321440	9.373183
## sample6506	9.779795	12.154991	7.447188	15.880493
## sample6507	11.445490	10.776524	10.409270	8.868923
## sample6508	13.362307	4.588323	10.335886	9.410237
## sample6509	11.417858	6.617359	13.073014	13.145137
## sample6510	10.649945	8.138835	7.536294	9.292285
## sample6511	14.717865	10.277115	8.429106	8.345213
## sample6512	11.005658	14.681732	9.059132	9.143056
## sample6513	8.043576	9.154453	11.206934	10.866340
## sample6514	7.527199	10.863666	6.299994	8.373813
## sample6515	9.992065	9.718062	7.570671	11.727647
## sample6516	11.241356	11.100917	12.309584	12.724241
## sample6517	12.783506	7.127472	9.557137	7.701746
## sample6518	7.686589	9.074382	13.764948	8.472815
## sample6519	5.688172	9.163493	10.408669	10.184332
## sample6520	10.480695	10.453392	8.278560	12.578027
## sample6521	7.030044	7.843726	8.241552	10.266317
## sample6522	8.586187	13.246303	14.445729	8.171611
## sample6523	8.850502	11.803688	9.729534	7.795963
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## sample6525	10.455256	6.929660	10.461927	8.652054
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## sample6527	11.433701	9.325542	12.896979	11.315344
## sample6528	5.063052	11.321652	11.796692	10.089147
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## sample6533	14.622452	10.485983	9.649980	10.234936
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## sample6536	10.817766	9.901555	10.637553	9.464941
## sample6537	7.308815	9.590419	11.805059	9.396111
## sample6538	11.199690	8.882572	6.012464	8.354325
## sample6539	12.531425	6.977240	11.392872	11.796933
## sample6540	8.992757	9.483422	10.251911	8.338663
## sample6541	15.771265	10.074281	8.234856	10.562713
## sample6542	10.069191	10.811328	10.872950	7.914637
## sample6543	11.266609	14.433313	8.540502	9.228888
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## sample6545	9.214898	8.835794	13.738970	11.807004
## sample6546	11.501688	12.716670	9.267017	9.033300
## sample6547	5.423222	11.620851	13.154259	10.663638

## sample6548	10.318033	8.823611	12.499243	9.294314
## sample6549	9.732746	10.249810	10.877691	11.741000
## sample6550	9.229432	9.863932	8.232787	7.163315
## sample6551	9.422047	5.414981	10.193479	9.018141
## sample6552	11.682411	10.638225	10.889764	11.839444
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## sample6554	11.798667	11.435737	11.275417	10.857578
## sample6555	15.263521	9.476264	7.762142	8.986549
## sample6556	7.651706	12.046426	11.747674	11.133583
## sample6557	8.402471	13.341978	10.755738	11.014974
## sample6558	4.832539	9.330408	11.211898	8.898648
## sample6559	12.611383	9.397961	9.934362	9.270817
## sample6560	7.859189	7.621740	10.733613	10.995972
## sample6561	9.172621	14.150328	13.471272	6.081827
## sample6562	11.665984	11.687037	11.318624	10.625245
## sample6563	11.453901	11.011317	12.234845	11.260619
## sample6564	10.120293	7.566563	11.177393	6.740522
## sample6565	10.268096	10.808152	9.026235	12.276025
## sample6566	8.512749	10.723757	8.917277	8.037801
## sample6567	11.481863	8.846971	10.020722	8.554366
## sample6568	11.526202	11.609257	8.854313	9.348806
## sample6569	8.120851	7.976411	8.667701	9.044047
## sample6570	12.838440	7.361239	9.814848	10.034670
## sample6571	6.840467	8.296988	12.493282	10.230007
## sample6572	8.469733	9.069985	10.151627	6.106821
## sample6573	10.905823	9.777468	8.307181	9.204042
## sample6574	10.798657	8.720987	10.830061	12.592323
## sample6575	10.454541	9.915416	12.297811	10.048496
## sample6576	7.861864	10.051669	10.355038	9.559467
## sample6577	10.626161	10.526621	9.452266	10.681613
## sample6578	8.622218	13.488481	13.548520	10.383465
## sample6579	8.397441	8.912629	9.201550	13.266760
## sample6580	10.905289	10.233169	10.185811	8.746312
## sample6581	14.993629	12.483374	12.079691	10.669615
## sample6582	7.203664	7.924787	8.127396	8.636783
## sample6583	11.689064	8.565621	10.329701	8.599719
## sample6584	12.312456	12.081594	11.656620	10.295778
## sample6585	12.748031	8.788493	8.748156	7.609099
## sample6586	10.218206	13.483802	10.523090	4.682318
## sample6587	9.810985	9.310630	11.275148	9.818313
## sample6588	10.991263	9.057476	11.211123	9.299533
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## sample6591	9.217837	11.063789	10.859944	6.632331
## sample6592	10.347528	9.475425	10.608661	9.900046
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## sample6596	11.646436	10.868950	8.343912	8.646891
## sample6597	5.782159	9.860819	9.148365	8.541382
## sample6598	8.685692	11.334918	11.252273	11.919878
## sample6599	6.272191	10.783727	7.568716	10.570527
## sample6600	13.526533	7.340209	5.943483	9.873952
## sample6601	9.987488	10.717568	7.609905	11.970118

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## sample6603	7.957208	6.815138	9.449346	9.504954
## sample6604	10.191738	11.318821	4.648394	7.160373
## sample6605	8.843277	9.392815	7.796464	11.753861
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## sample6607	11.038747	9.168580	11.603924	11.938879
## sample6608	9.415523	5.145056	7.746711	10.063328
## sample6609	15.209311	7.818694	9.535340	6.979351
## sample6610	8.875113	13.082695	11.314782	6.510979
## sample6611	11.305880	12.395442	9.992318	11.852767
## sample6612	12.524805	10.998440	7.299944	8.052512
## sample6613	11.876977	10.101801	10.764040	12.304334
## sample6614	10.260901	7.417395	5.959783	4.302126
## sample6615	10.095752	9.577415	9.024233	11.324878
## sample6616	10.597379	11.343841	11.401621	10.782560
## sample6617	10.670341	8.359850	7.550117	11.087101
## sample6618	9.666490	6.507497	12.763229	8.890768
## sample6619	10.802438	15.484218	11.695915	9.500744
## sample6620	8.239784	13.617105	7.375585	13.045106
## sample6621	8.118225	12.555691	8.123642	11.856721
## sample6622	7.972543	7.218123	9.364829	7.869392
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## sample6624	12.050230	7.318903	7.479121	8.248312
## sample6625	7.467827	7.361382	13.331736	9.964588
## sample6626	7.408585	11.527824	7.130050	12.366892
## sample6627	9.050730	8.218881	15.313295	8.694437
## sample6628	10.219968	11.581660	9.362309	11.167384
## sample6629	3.673332	5.971582	7.585991	8.300820
## sample6630	9.650939	7.361670	12.435194	12.911725
## sample6631	9.447789	12.115054	11.611562	10.328133
## sample6632	8.290823	9.317072	9.479987	12.024832
## sample6633	9.974989	6.218937	10.749887	11.960469
## sample6634	13.624080	7.504822	9.901875	7.707961
## sample6635	5.846788	11.301906	9.058888	9.115407
## sample6636	11.239084	9.843346	13.917346	13.171506
## sample6637	8.275207	9.425738	12.672531	6.141339
## sample6638	7.593485	12.931233	11.543993	7.801710
## sample6639	6.348588	10.818163	6.580487	10.478282
## sample6640	8.739935	11.581117	10.185214	7.068943
## sample6641	14.205505	9.787640	14.228640	6.866258
## sample6642	8.558322	10.579764	12.801691	12.897279
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## sample6648	12.093325	9.126968	10.636938	8.300773
## sample6649	8.056767	10.560985	8.718075	12.304986
## sample6650	7.174831	9.796746	11.007377	7.932807
## sample6651	12.680848	13.636046	8.064224	11.198270
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## sample6653	9.785378	10.172170	8.721619	5.550447
## sample6654	8.649319	10.710004	8.023845	10.247533
## sample6655	10.516127	10.041149	8.186327	7.996979

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## sample6656 11.325690 10.577013 10.325688 9.217737
## sample6657 7.564708 8.523445 10.133840 9.341035
## sample6658 10.372735 10.948889 8.437528 10.889768
## sample6659 10.159447 10.972877 8.079237 11.461530
## sample6660 9.917838 12.654605 9.984132 11.162736
## sample6661 11.621487 14.233584 10.858165 7.267622
## sample6662 11.595613 11.415125 8.871341 10.227968
## sample6663 10.257880 8.018057 10.325893 6.234810
## sample6664 11.133413 11.843715 9.162582 6.621052
## sample6665 8.656643 8.788871 8.982743 9.141064
## sample6666 10.302188 10.892703 10.197739 7.193531
## sample6667 8.152719 11.063083 8.409455 7.735998
## sample6668 13.667536 11.637235 9.871150 9.106105
## sample6669 11.698735 7.307295 11.013903 8.691707
## sample6670 11.414264 7.935573 9.645875 10.065649
## sample6671 9.098710 11.164384 14.796727 9.448330
## sample6672 10.946357 11.289889 7.861745 6.817145
## sample6673 12.961033 11.693911 6.960175 8.845374
## sample6674 8.903143 9.539796 8.216814 10.368728
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## sample6677 9.893055 12.293824 8.882701 11.220339
## sample6678 7.858973 12.446389 11.272366 9.947377
## sample6679 9.209232 9.363127 9.144820 10.739903
## sample6680 10.914543 9.174855 9.017738 10.164087
## sample6681 9.931197 7.691915 10.358651 9.702817
## sample6682 10.233261 8.203975 12.302783 11.618581
## sample6683 9.644434 7.294569 9.593684 9.431186
## sample6684 10.409736 11.236071 6.976747 10.322115
## sample6685 8.626743 10.402614 10.886626 13.116905
## sample6686 10.253001 10.218800 11.185773 9.668727
## sample6687 7.870398 7.682672 10.387255 7.836281
## sample6688 13.858967 8.442290 11.370781 4.595127
## sample6689 12.321194 14.445361 9.921796 9.130966
## sample6690 11.815745 8.090629 11.880100 6.160665
## sample6691 11.799310 8.990862 9.255688 11.132354
## sample6692 12.540495 12.496171 11.294991 12.638262
## sample6693 10.988144 10.492167 11.577069 10.803865
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## sample6700 6.746882 8.700728 10.765224 12.015159
## sample6701 9.608776 8.741617 10.013288 9.589844
## sample6702 11.440837 10.496626 12.764468 10.372473
## sample6703 10.505373 9.387551 14.150650 8.432204
## sample6704 11.074959 7.883825 9.026934 13.269695
## sample6705 12.059793 10.333580 7.432283 13.910078
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## sample6707 7.418309 9.504598 9.332166 12.217978
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## sample6710	11.389751	14.446120	12.780389	8.761961
## sample6711	10.184296	12.290268	11.833379	10.923129
## sample6712	9.418763	15.327624	12.493057	10.380799
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## sample6714	7.446216	9.385161	10.729697	8.005730
## sample6715	8.031296	13.443273	11.423955	7.463334
## sample6716	10.551209	9.236641	10.596238	10.377227
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## sample6719	8.864776	9.023882	9.789233	11.945384
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## sample6721	11.251696	8.261814	9.471693	10.019270
## sample6722	11.004029	8.987340	11.009311	11.486913
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## sample6724	11.777677	9.864957	9.497256	10.939150
## sample6725	9.595884	10.869588	13.202633	12.607109
## sample6726	8.679691	9.227209	9.202672	9.934966
## sample6727	11.228653	9.144757	10.385664	9.074330
## sample6728	6.817766	13.637077	12.686707	10.837843
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## sample6732	11.926619	12.642894	8.793890	10.473502
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## sample6739	7.752085	8.663090	12.956800	8.564117
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## sample6741	9.759872	9.279786	9.469164	10.076944
## sample6742	6.760363	8.300503	7.503229	12.413650
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## sample6746	10.863630	9.044444	5.187379	10.824326
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## sample6750	11.464668	10.485229	9.847272	12.330688
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## sample6760	12.326623	9.641015	11.664216	6.619546
## sample6761	6.221073	12.491811	8.231985	5.997924
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## sample6764	10.883604	10.278197	9.622070	8.657417
## sample6765	10.207392	14.167726	11.479342	9.631563
## sample6766	12.245487	10.006606	10.807843	10.316344
## sample6767	10.920703	6.768982	13.791339	10.513090
## sample6768	10.886923	12.158136	12.691577	12.710337
## sample6769	8.089581	7.585683	5.151217	8.285338
## sample6770	11.605254	8.425823	7.856708	5.049523
## sample6771	12.142683	8.732886	8.270463	11.048318
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## sample7047 8.217386 9.646658 10.845292 10.895918
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## sample7062 11.548963 10.074025 10.009600 12.368710
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## sample7069 2.093174 11.140232 12.844858 9.816148
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## sample7075 10.175993 8.512496 9.320456 15.754438
## sample7076 10.436470 8.643226 10.350798 12.052093
## sample7077 6.976222 9.669979 10.657235 12.668861
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## sample7079 9.383152 9.497836 11.590628 11.867262
## sample7080 11.514047 10.666805 10.935420 7.819282
## sample7081 9.382693 11.376808 9.822802 15.344545
## sample7082 11.541940 6.703951 10.046025 13.270870
## sample7083 11.227579 5.182251 11.828024 10.401270
## sample7084 11.434268 11.630878 10.505508 12.192547
## sample7085 10.649645 9.947481 9.516957 11.631707
## sample7086 12.406588 5.020299 9.001196 10.858949
## sample7087 10.842324 14.658957 9.248811 11.893519

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## sample7088 11.039023 14.273077 6.822470 8.083317
## sample7089 11.279513 8.521057 7.340358 8.422754
## sample7090 11.480979 10.810531 12.044191 12.900933
## sample7091 9.492395 11.087435 11.239584 11.037951
## sample7092 7.888242 7.059008 8.270398 11.370466
## sample7093 11.257993 9.831575 10.513664 7.549315
## sample7094 12.874076 9.579604 10.702289 6.031802
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## sample7139 9.282543 9.840523 7.436187 8.746741
## sample7140 10.854027 9.521224 6.341430 11.894564
## sample7141 6.315072 6.161106 9.673662 12.621033

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## sample7142  7.306011 12.037791  9.328628  7.391451
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## sample7144 10.610850  6.538054 10.428516 10.391202
## sample7145 10.329153 10.638507  9.195309  9.451056
## sample7146 10.732279  8.310310 11.452508 10.698825
## sample7147 12.468424  5.184265 11.891645 11.327158
## sample7148  7.362458 11.384855 12.252813  6.264399
## sample7149 10.947944 10.023206 10.947392 10.032990
## sample7150 12.113603 11.938882 11.926296  9.723506
## sample7151  9.621577 11.078168  9.436463 12.563910
## sample7152  7.795976  5.880418  9.825291 10.737164
## sample7153  9.699716  7.950691  9.088708  9.905409
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## sample7182 11.426639  9.484871 10.225671  6.470228
## sample7183 11.077483  8.084460  8.208758  8.425697
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## sample7198 7.687670 11.540766 8.951415 10.371676
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## sample7250 8.284699 9.689416 8.961529 10.881796
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## sample7304 11.408184 13.265817 10.339237 7.618546
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## sample7306 12.894752 8.649404 9.972303 7.546670
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## sample7358 9.530032 10.815202 10.151771 10.274586
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## sample7373 10.107011 9.941924 12.113648 8.833808
## sample7374 7.323861 7.759473 14.160789 13.121358
## sample7375 8.246437 11.579782 7.698921 7.997161
## sample7376 10.543799 8.199975 7.005713 11.970044
## sample7377 11.373167 10.550259 14.087770 10.523833
## sample7378 11.766648 8.461262 12.907565 14.716114
## sample7379 11.845769 10.889826 8.454324 9.852315
## sample7380 10.736970 10.534194 12.699802 11.787738
## sample7381 10.803504 7.830776 11.722522 11.131392
## sample7382 13.203093 10.466802 7.852865 8.822424
## sample7383 9.396333 11.619747 10.780577 13.341004
## sample7384 12.021153 11.634931 8.937219 12.708646
## sample7385 10.184196 8.612919 10.496856 11.928223
## sample7386 12.009218 6.727717 11.146029 11.912980
## sample7387 10.186661 9.318291 13.579144 9.094114
## sample7388 9.446698 10.493866 7.428411 11.874610
## sample7389 10.135482 11.369730 8.926855 8.866620
## sample7390 9.482355 10.610110 7.696228 10.649581
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## sample7392 11.880734 6.386034 9.965906 5.514712
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## sample7394 8.057916 7.925293 10.907933 10.799852
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## sample7397 10.363690 10.005085 10.687888 10.337811
## sample7398 9.357814 9.155084 10.243523 9.760508
## sample7399 9.230502 10.184841 10.357634 11.685718
## sample7400 9.880808 11.954682 8.153423 9.908786
## sample7401 10.743252 12.138585 7.228527 9.492922
## sample7402 9.896342 9.794054 8.147436 8.038043
## sample7403 8.827605 6.946913 10.282594 15.694780
## sample7404 9.615747 11.299603 10.258005 7.201443
## sample7405 12.550218 12.756305 10.236452 9.991425
## sample7406 10.122865 7.653221 11.703293 5.587969
## sample7407 9.810144 12.824065 11.010132 6.595716
## sample7408 9.353297 14.667317 10.211121 9.222591
## sample7409 8.477712 11.741230 11.679657 11.321159
## sample7410 13.343401 10.737283 7.698020 12.339495
## sample7411 10.557043 8.595095 6.464094 10.881234

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## sample7412	11.747747	8.216458	11.975344	9.638556
## sample7413	8.704762	9.678771	12.275997	11.701553
## sample7414	6.591275	10.741155	12.018530	7.546375
## sample7415	9.184772	8.831559	10.303730	8.905062
## sample7416	14.088239	12.413525	12.080647	9.847471
## sample7417	9.461700	14.118291	11.674437	7.924370
## sample7418	10.416718	13.591133	7.942416	9.978432
## sample7419	9.814005	7.134000	7.929435	11.592365
## sample7420	9.654799	8.289302	8.327201	8.739216
## sample7421	10.540976	9.570841	9.439135	8.479355
## sample7422	12.309252	10.554075	11.716312	13.030556
## sample7423	4.259015	10.124846	8.034432	10.410445
## sample7424	12.222496	7.674007	10.085165	11.915924
## sample7425	11.242627	8.552773	9.498550	10.369552
## sample7426	11.097844	6.355088	7.484800	9.435814
## sample7427	12.357735	9.158065	8.760744	7.514888
## sample7428	8.481488	6.991278	8.655936	7.202123
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## sample7431	11.014479	12.417631	9.109133	10.550008
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## sample7434	7.820052	11.887926	8.126022	6.979590
## sample7435	10.616378	10.681224	13.012539	6.201447
## sample7436	8.658083	6.035372	12.011623	7.982729
## sample7437	12.271790	9.205002	7.310840	14.109214
## sample7438	9.293577	6.325215	11.712213	11.346755
## sample7439	8.094357	11.391448	11.532030	7.747311
## sample7440	10.145197	14.616864	7.468384	14.794914
## sample7441	8.319801	13.004100	7.597859	8.133751
## sample7442	9.730153	10.505030	9.967046	7.946159
## sample7443	9.766467	9.076787	9.520893	9.780622
## sample7444	11.547094	10.103663	9.272178	11.255387
## sample7445	8.603142	11.660609	11.520034	10.041862
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## sample7447	6.241918	7.309181	9.090958	8.804301
## sample7448	11.270070	11.902865	9.750323	13.859602
## sample7449	10.779636	12.335050	12.799127	8.499056
## sample7450	12.143974	6.558598	12.839005	8.575133
## sample7451	7.799059	9.216986	8.514261	9.867641
## sample7452	10.517982	13.394540	12.437516	9.084848
## sample7453	7.681523	6.739286	8.646949	8.879948
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## sample7459	9.254830	12.569937	9.478722	10.995951
## sample7460	11.661490	8.146015	6.860256	11.529862
## sample7461	11.671455	8.437230	11.084795	7.884354
## sample7462	13.744170	9.808340	8.822724	9.399867
## sample7463	8.653270	11.468320	12.197194	12.400359
## sample7464	7.325030	10.078399	11.644439	11.509208
## sample7465	9.448198	10.320258	8.894621	13.926273

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## sample7466 10.923014 11.247285 14.318481 10.916324
## sample7467 9.177362 5.577062 10.514005 10.465662
## sample7468 14.420150 10.667775 10.768960 8.705414
## sample7469 8.415537 10.102679 9.611198 10.870495
## sample7470 8.390866 9.794150 6.683921 9.604408
## sample7471 9.506825 9.471385 8.318048 9.138127
## sample7472 11.313300 3.871034 13.030924 10.332406
## sample7473 9.271618 8.428695 7.599014 8.985770
## sample7474 6.970215 8.488756 10.344321 5.680663
## sample7475 10.530994 9.567848 13.342490 14.292602
## sample7476 8.943968 7.793318 11.279182 10.108405
## sample7477 8.337461 10.254831 12.609962 7.423937
## sample7478 11.322534 13.949687 9.253003 12.194736
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## sample7480 10.315784 10.760124 10.536750 8.183755
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## sample7483 12.965107 9.051805 8.117971 14.093488
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## sample7485 11.647125 10.934978 7.445038 9.097174
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## sample7487 9.670521 8.578986 10.348064 10.496175
## sample7488 10.935714 11.100227 12.365390 10.543729
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## sample7495 7.046335 7.104326 10.171127 10.985968
## sample7496 12.675377 10.796178 10.538353 11.394707
## sample7497 7.867256 10.906642 11.879862 9.418588
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## sample7499 12.403922 9.429334 8.793972 14.238091
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## sample7517 8.555052 10.830868 11.156424 10.775370
## sample7518 9.924743 12.425033 10.220694 11.515996
## sample7519 13.360261 10.891366 5.897048 9.692900

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## sample7520 8.638465 8.657846 12.730196 10.585567
## sample7521 10.751842 10.568377 7.168782 10.071397
## sample7522 10.313284 9.362586 8.027941 10.111013
## sample7523 8.173722 11.258183 7.139495 9.336322
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## sample7527 8.089615 13.193720 12.663533 9.407223
## sample7528 12.170767 10.311961 9.419424 6.730708
## sample7529 9.089418 12.064210 11.405947 10.984025
## sample7530 10.556572 8.514766 10.472134 11.158363
## sample7531 8.182552 11.197221 9.584857 11.083523
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## sample7534 8.622671 9.701452 8.225290 12.902293
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## sample7537 7.891543 12.156811 7.807062 8.988438
## sample7538 6.813610 7.267979 8.840141 11.284050
## sample7539 9.803848 10.513186 11.423960 7.437673
## sample7540 13.456948 14.467487 9.472552 11.505862
## sample7541 12.005210 11.806749 8.211565 8.904443
## sample7542 6.354985 7.265866 11.813096 11.751608
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## sample7546 10.242057 11.881839 13.040002 6.272038
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## sample7548 7.150596 8.911807 8.061953 10.502855
## sample7549 14.433313 10.534692 8.687461 10.444475
## sample7550 8.513979 11.752816 10.583529 13.364249
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## sample7573 10.394767 10.954228 12.204368 9.372238

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## sample7574	12.718414	9.046548	9.108113	8.872455
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## sample7576	9.664975	9.900483	12.974885	8.137256
## sample7577	14.710881	11.412713	12.658526	8.852428
## sample7578	12.923355	8.285240	9.878227	10.323610
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## sample7580	13.500724	9.291386	6.341621	8.532275
## sample7581	10.774345	7.658609	9.002370	9.573915
## sample7582	8.102081	14.586903	7.679807	9.353080
## sample7583	7.052024	7.123771	10.262865	9.314009
## sample7584	11.061216	8.681895	7.520215	12.386254
## sample7585	10.609461	10.487997	9.138629	10.164040
## sample7586	13.482148	6.994906	9.477614	5.593224
## sample7587	6.258655	9.274770	8.129041	10.289458
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## sample7589	11.178866	11.165035	7.172171	14.010118
## sample7590	11.630104	7.956145	11.703486	9.393509
## sample7591	10.639080	11.021021	9.631979	12.354230
## sample7592	9.315266	11.004100	10.724059	11.297273
## sample7593	10.915158	10.464264	5.520289	13.047629
## sample7594	6.697808	9.679134	9.516778	12.063439
## sample7595	11.895425	6.503971	12.729430	9.727713
## sample7596	8.833835	10.764568	8.364544	10.722740
## sample7597	7.065060	7.238950	7.733677	10.822516
## sample7598	11.591701	8.462294	9.963458	8.464735
## sample7599	9.853406	8.221677	11.717601	11.211899
## sample7600	9.758902	9.537910	11.349340	7.122537
## sample7601	8.753211	10.926168	6.569620	13.390543
## sample7602	6.851165	11.263087	12.582996	11.634568
## sample7603	10.666992	6.826110	12.182369	10.302719
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## sample7605	5.844011	11.341423	14.041641	7.956070
## sample7606	9.441492	11.168939	10.223945	12.440923
## sample7607	12.167037	11.061781	9.140485	6.931956
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## sample7610	8.560530	6.547096	9.214535	9.776624
## sample7611	8.933839	11.726201	9.932129	8.736843
## sample7612	11.104392	13.144532	12.263472	8.284112
## sample7613	6.563443	9.618346	9.867523	13.552157
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## sample7620	8.326029	10.704137	9.721565	12.591945
## sample7621	11.471429	13.023427	12.681931	11.369914
## sample7622	8.922948	10.716124	12.213843	10.334818
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## sample7624	10.478039	8.975355	10.846556	13.693448
## sample7625	9.183152	9.756631	10.198601	14.131366
## sample7626	5.639092	14.951048	12.127361	15.009885
## sample7627	8.660536	7.903267	13.774042	7.664147

## sample7628	6.941041	8.033330	10.253493	11.758073
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## sample7630	9.704905	10.822497	10.517423	9.901217
## sample7631	10.811026	8.548074	13.034956	12.005308
## sample7632	11.308498	11.336497	11.067559	14.551497
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## sample7634	9.698733	10.575124	12.273136	9.109683
## sample7635	10.016026	7.171199	11.792049	11.743195
## sample7636	11.115111	5.541864	7.455320	11.466124
## sample7637	8.549037	3.360775	7.538862	10.118484
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## sample7639	12.990244	9.053672	13.696798	7.570632
## sample7640	11.561467	11.499777	10.905702	6.138653
## sample7641	10.549002	10.156051	13.771308	12.167052
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## sample7675	13.163740	8.075514	11.266034	9.324813
## sample7676	8.193114	9.797089	14.562573	8.464621
## sample7677	9.734140	14.981637	8.976725	8.733449
## sample7678	7.247423	11.961800	11.320144	11.005715
## sample7679	10.541771	10.625139	10.919895	10.131640
## sample7680	7.797332	13.234152	11.365476	2.868367
## sample7681	13.537274	9.000553	8.712578	9.484799

## sample7682	11.667720	10.079970	8.953019	12.117928
## sample7683	9.739374	9.357175	10.852578	9.372708
## sample7684	8.501251	8.100905	15.690570	7.425223
## sample7685	9.967515	11.511072	10.949720	11.928207
## sample7686	10.367607	9.375925	11.919908	11.544829
## sample7687	9.898216	7.963396	8.971082	10.996919
## sample7688	9.151792	7.032385	8.184819	8.327056
## sample7689	14.047881	5.379473	9.139177	11.359339
## sample7690	7.468981	9.094926	8.258488	9.180606
## sample7691	9.605688	7.535261	7.528884	11.318844
## sample7692	10.208337	9.206207	12.211900	13.374371
## sample7693	8.105287	5.702742	7.677228	7.334604
## sample7694	9.603110	8.188515	13.058691	7.763325
## sample7695	8.163802	10.323010	9.210304	10.720505
## sample7696	6.453592	7.811499	14.891456	9.103159
## sample7697	8.556163	10.787797	5.091775	10.450190
## sample7698	6.578038	8.833782	11.301022	9.302890
## sample7699	11.029812	11.369546	12.041399	12.853788
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## sample7702	7.497686	12.426415	11.595997	8.178703
## sample7703	11.314263	9.701781	7.159358	10.111567
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## sample7711	12.578782	8.549592	8.786420	7.953819
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## sample7732	8.881212	12.227045	8.321911	8.994098
## sample7733	7.856884	12.200128	10.873837	7.977873
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## sample7735	10.886271	7.718591	7.624394	7.709991

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## sample7738	11.506368	7.825690	10.086974	10.032364
## sample7739	11.829522	12.629031	10.321549	9.611838
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## sample7748	7.862860	11.452166	11.540027	9.979416
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## sample7750	11.279284	12.145435	7.751590	12.485080
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## sample7767	7.743434	8.754076	6.158446	14.472348
## sample7768	10.095915	9.945547	11.451429	11.655106
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## sample7770	7.938431	7.363184	11.850472	9.586178
## sample7771	6.820350	7.149760	13.367974	10.618115
## sample7772	8.624250	10.885418	3.909103	11.343187
## sample7773	7.373026	9.917626	11.947170	8.581890
## sample7774	8.528640	13.576568	9.183333	12.130718
## sample7775	7.090577	9.405552	9.941319	11.275603
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## sample7779	9.649359	9.825845	8.587086	8.247772
## sample7780	11.252667	11.056074	7.661557	11.416535
## sample7781	10.685932	8.425545	10.457035	11.391355
## sample7782	12.558633	6.314019	7.847392	9.859151
## sample7783	11.451600	12.534573	7.008405	11.452830
## sample7784	8.400466	9.713795	10.809880	8.092748
## sample7785	6.769525	7.772507	11.870848	6.841619
## sample7786	8.779282	8.315238	8.544495	9.032428
## sample7787	8.667017	11.092439	9.390382	10.300103
## sample7788	15.087549	6.386119	8.952074	6.716425
## sample7789	12.752919	7.260796	6.750445	9.055148

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## sample7790  9.264977 10.639185 13.113656  6.019150
## sample7791 14.113436 11.539850 10.683566 11.549116
## sample7792 12.375703 10.864085 13.086763 10.289066
## sample7793 13.977651  9.861346 10.226835  9.398460
## sample7794  6.496787  9.019846  9.376624 12.371185
## sample7795 12.174581 10.204379 13.129974  8.288277
## sample7796 10.146410 12.201795 10.276758 11.373986
## sample7797 10.687763 14.762491  9.509818 13.404502
## sample7798 10.336598 11.151017  9.051134 10.467524
## sample7799 11.647790 12.973231  9.036464  9.059274
## sample7800 14.212434  6.552839  8.783948  9.819325
## sample7801 11.085649 10.386968 11.535411 11.628257
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## sample7805 11.712557 11.358764  8.060508 12.343114
## sample7806  9.309758  8.908500  6.719340  6.524003
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## sample7809  6.285076  7.021038  8.461205 11.274213
## sample7810 11.224957 10.659502 11.647268  9.390290
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## sample7813 11.676816 10.402517 12.309055  9.831958
## sample7814  7.245041 10.786577 10.071110 12.316704
## sample7815  9.893915  9.620835  9.652184 13.840275
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## sample7817 10.114277 10.221955 11.989254 10.530176
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## sample7820 11.070051 12.102736 10.061368 13.613908
## sample7821 10.855781 10.057643 11.300054  9.490290
## sample7822  8.958790  8.185407 12.487109 15.746961
## sample7823  5.456182 12.562716 13.445549  6.336516
## sample7824  9.055185  9.575504 13.763543 10.711148
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## sample7826 11.693961 11.233534 11.449321 12.227962
## sample7827  9.623986  6.404520  9.288568  8.314540
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## sample7844 12.283077 9.236937 8.496064 9.896310
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## sample7848 7.857139 6.328247 8.126069 14.647541
## sample7849 7.243033 13.259206 10.664113 11.932400
## sample7850 11.170483 8.964067 12.262337 9.744793
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## sample7881 11.926043 10.359075 12.938650 10.702659
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## sample7898 7.833694 9.750341 14.995452 8.122515
## sample7899 7.212506 8.086037 8.433786 7.667301
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## sample7913 9.736410 10.843072 11.114805 13.568871
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## sample7919 12.536514 8.651197 7.055134 9.694534
## sample7920 12.755109 12.230841 10.633281 12.501918
## sample7921 10.816669 8.529582 9.656327 9.162035
## sample7922 6.499786 11.316184 10.741535 6.048972
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## sample7926 10.552360 7.609081 8.331461 13.143473
## sample7927 10.643248 9.282241 10.374513 9.385482
## sample7928 9.827470 6.130829 9.066037 6.613740
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## sample7949 11.250173 11.821214 10.551463 9.468735
## sample7950 11.816919 10.769113 7.984671 10.038287
## sample7951 11.486540 9.004392 7.037145 5.803178

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## sample7952	11.622473	11.899329	13.213753	10.240566
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## sample7955	12.078447	9.798500	7.350470	10.927879
## sample7956	8.953335	6.950575	9.484651	10.076311
## sample7957	9.373823	10.005393	9.004765	10.705576
## sample7958	12.636527	12.784510	12.636959	10.762415
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## sample7960	9.566306	11.984824	8.958574	7.984821
## sample7961	9.036053	8.898407	10.998353	6.929393
## sample7962	11.404393	12.022951	10.613908	11.139232
## sample7963	8.143769	13.087712	11.536932	9.468499
## sample7964	13.721173	8.197136	11.555158	13.809087
## sample7965	11.616434	9.840832	10.143082	8.288032
## sample7966	8.992618	11.879233	8.952107	8.269845
## sample7967	7.393605	10.121470	12.933202	11.405204
## sample7968	10.472027	12.374401	11.854061	9.004271
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## sample7970	7.873224	11.279552	10.515590	9.061794
## sample7971	11.858730	9.327170	5.943150	11.424585
## sample7972	11.837551	11.992860	11.392646	10.419245
## sample7973	10.014550	10.519619	9.386655	10.784859
## sample7974	10.888135	11.125031	7.468722	13.659826
## sample7975	11.105577	8.253387	9.417096	8.817032
## sample7976	7.586855	11.128702	11.999210	8.120751
## sample7977	10.194735	12.932428	13.139163	9.948135
## sample7978	9.813276	8.837269	10.863175	11.746093
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## sample7980	10.031201	12.274623	7.455161	11.610162
## sample7981	12.314295	8.449479	8.272269	10.455527
## sample7982	11.488104	9.371631	9.471040	7.657939
## sample7983	10.145838	8.653811	9.442899	9.907098
## sample7984	7.898393	12.059783	8.854235	8.727992
## sample7985	7.778978	10.843821	10.474030	13.062540
## sample7986	8.365980	5.851860	11.860925	6.774162
## sample7987	10.475231	15.207021	8.942658	6.302710
## sample7988	8.483150	8.951201	12.888481	10.802189
## sample7989	11.376059	11.335468	7.098770	11.088660
## sample7990	11.272757	10.986563	12.247241	7.806938
## sample7991	9.132187	13.506494	9.273280	10.812051
## sample7992	12.075667	13.323276	9.184129	12.215927
## sample7993	9.258355	8.832254	14.490921	7.985913
## sample7994	7.708441	8.940369	12.348306	11.282513
## sample7995	10.131424	9.656388	10.043337	8.515603
## sample7996	9.873892	10.416173	13.557562	10.538348
## sample7997	9.195154	12.248432	9.826291	8.695166
## sample7998	6.392869	13.115421	10.028154	7.261004
## sample7999	8.145711	12.652180	11.533135	9.805213
## sample8000	8.322013	12.994571	10.360170	13.312769
## sample8001	9.956686	8.357297	7.478746	7.935585
## sample8002	11.968961	9.279646	7.955819	8.285675
## sample8003	8.638164	4.678642	8.712799	9.231012
## sample8004	9.478955	8.348180	10.591498	11.597505
## sample8005	8.830646	11.027937	9.742475	10.215226

## sample8006	10.152878	10.503348	9.120866	7.988525
## sample8007	8.719449	7.796614	7.277641	8.889808
## sample8008	7.662734	9.215100	5.697896	7.309856
## sample8009	11.987712	10.049926	12.179386	7.430579
## sample8010	11.586797	10.828332	11.475665	9.679758
## sample8011	9.416380	9.835911	10.909885	11.522558
## sample8012	7.448940	7.997578	10.101064	7.813388
## sample8013	12.552231	6.363128	4.981041	8.177897
## sample8014	8.696307	11.848067	9.549504	8.887954
## sample8015	11.093043	11.790797	10.433448	10.184752
## sample8016	10.780133	11.486296	10.307701	7.993034
## sample8017	7.385895	10.681288	11.195922	10.064148
## sample8018	10.660819	8.112076	11.537641	11.606924
## sample8019	9.271218	6.230270	10.734021	9.219630
## sample8020	11.522755	9.618307	10.544411	11.647798
## sample8021	4.378559	9.576402	10.402443	8.999501
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## sample8023	7.560681	8.556667	10.018609	12.442223
## sample8024	8.724456	9.719291	12.283694	11.614283
## sample8025	11.181063	7.202511	8.789099	11.609916
## sample8026	7.526336	12.203642	7.990283	6.745337
## sample8027	8.624226	8.351702	11.964936	10.168400
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## sample8037	10.335567	7.537738	11.703477	9.761636
## sample8038	9.232660	6.982550	9.904747	12.851216
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## sample8040	11.502510	11.577660	9.581001	8.141836
## sample8041	7.846124	11.357549	12.217824	12.423289
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## sample8047	10.440470	12.374948	13.397020	10.943043
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## sample8050	12.389308	13.660151	10.155372	7.430446
## sample8051	4.907962	11.588173	9.521223	8.823644
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## sample8059	6.917670	12.738677	11.656692	11.852004

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## sample8060 12.064393 10.546981 8.033247 9.449274
## sample8061 8.581856 8.752398 9.294039 13.502586
## sample8062 10.816651 6.995664 11.986245 7.274093
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## sample8065 8.883132 13.057172 8.401030 8.546995
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## sample8069 7.654153 11.452401 6.625506 11.105499
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## sample8112 9.074790 9.654958 13.796824 12.045874
## sample8113 13.393404 9.326304 11.546644 9.321101

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## sample8114 6.044877 9.115395 6.638122 9.776587
## sample8115 10.234839 11.584927 13.449945 8.737609
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## sample8168  9.009364  9.410054  5.676032 12.544415
## sample8169  9.573289  8.139879  9.930505 10.998284
## sample8170 10.822284 11.388673  8.811453  8.329352
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## sample8173  8.521618 10.908560 10.101591  8.147570
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## sample8175 10.210389 11.848015  9.119742  8.543555
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## sample8186  8.339873 10.495946 12.322601  8.933691
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## sample8188 13.112801 10.962836  6.292039 10.620563
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## sample8216  9.137950 12.256908  8.903693  8.079022
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## sample8219  9.609407  9.319474 11.081430  8.271148
## sample8220  8.364177 13.319879 10.649653 11.377088
## sample8221  8.057178  7.795886  9.740492 11.254550

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## sample8222  9.430509  9.972068 10.847874 10.823451
## sample8223 10.555527  9.463174  7.980161 10.043141
## sample8224 12.332252 10.089964  8.597720 10.714194
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## sample8231  6.174045  4.353101  6.810957 10.180761
## sample8232  6.622051  9.601368  9.939217  9.808578
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## sample8236  6.742247 11.043512 13.381522  9.746842
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## sample8246 11.864751  7.949951  7.841883 11.977225
## sample8247 10.335849  7.552259 11.522451 10.538873
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## sample8275  9.826519 15.111843 12.322918 11.218427

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## sample8276 8.712711 11.542557 6.345792 12.341314
## sample8277 9.134844 12.019606 8.854082 12.975998
## sample8278 13.221550 8.935926 10.061361 6.076698
## sample8279 8.822509 7.268591 9.137222 11.093230
## sample8280 7.960023 11.595681 13.053502 12.307218
## sample8281 11.164430 10.241005 9.576324 11.466664
## sample8282 13.365140 10.070691 11.734975 7.399451
## sample8283 10.523190 10.216946 8.926496 10.514309
## sample8284 9.886858 10.151695 10.396480 7.870510
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## sample8286 12.056198 13.482150 11.123461 9.070689
## sample8287 10.809392 9.138660 6.005572 11.885969
## sample8288 9.813166 11.441214 7.376588 8.564848
## sample8289 10.490126 10.321567 12.922589 9.155316
## sample8290 8.154142 7.697281 8.874747 8.646782
## sample8291 9.075728 8.939822 11.973695 11.187730
## sample8292 16.695508 11.623275 9.500868 7.909376
## sample8293 7.571161 11.435552 12.344902 12.274810
## sample8294 11.355069 12.789399 10.430406 9.128770
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## sample8304 6.753127 5.550361 9.377269 10.549243
## sample8305 10.717900 11.924209 10.041896 9.177478
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## sample8325 9.631230 11.300831 7.948854 7.869163
## sample8326 7.272591 10.956139 9.479688 11.494796
## sample8327 12.260969 9.466443 11.004228 12.422523
## sample8328 7.722096 9.966701 11.410237 14.856332
## sample8329 13.676665 12.517017 9.460543 5.463887

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## sample8330 8.569808 10.334803 6.213133 12.718179
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## sample8383 8.332550 11.878172 9.214411 7.133088

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## sample8384 11.819257 10.315621 9.630226 8.093678
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## sample8426 10.574551 8.828880 10.083289 13.785202
## sample8427 10.601644 10.141340 13.340267 9.687161
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## sample8431 11.740707 8.599700 9.623162 8.242063
## sample8432 7.003333 10.258598 9.621709 8.982465
## sample8433 9.334894 10.790192 8.025570 11.489101
## sample8434 7.988095 11.101816 8.995988 11.487716
## sample8435 9.183351 8.598056 7.208343 12.944733
## sample8436 4.803346 9.748150 12.562146 12.383425
## sample8437 9.183575 10.575468 9.706654 12.221481

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## sample8438 11.588774 12.078871 11.359442 10.395722
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## sample8440 9.691986 8.517688 9.318310 8.559550
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## sample8492 10.661001 7.337139 10.382316 11.201240
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## sample8544 12.910226 12.764863 9.883713 13.154110
## sample8545 11.918897 12.127608 5.793154 10.950356

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## sample8546 10.385894 11.400226 11.950798 9.596619
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## sample8565 8.972820 11.193292 13.874290 6.740856
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## sample8567 6.192333 9.162651 9.834144 6.063254
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## sample8571 7.331903 10.137609 9.422224 8.357011
## sample8572 6.950771 11.037331 10.917705 11.651427
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## sample8597 7.610432 12.874904 9.594883 6.819236
## sample8598 7.961026 11.767579 8.656556 9.625877
## sample8599 11.314570 13.275837 10.996357 9.024687

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## sample8600	9.373710	11.481317	13.230638	10.837186
## sample8601	9.665763	11.681434	9.994201	12.278389
## sample8602	8.934389	4.984870	6.524514	10.542125
## sample8603	9.366784	7.991980	10.016269	11.968811
## sample8604	4.055827	9.877035	12.375596	11.514301
## sample8605	11.035172	13.270577	7.916950	7.163479
## sample8606	9.312426	8.716964	11.691082	10.243878
## sample8607	8.842197	13.041065	13.725602	11.533300
## sample8608	8.884917	10.859585	7.102192	7.801245
## sample8609	11.185879	10.593787	11.464909	8.703601
## sample8610	7.097680	7.157712	12.621799	7.426784
## sample8611	8.324359	10.334723	11.416735	9.739335
## sample8612	8.648203	10.171792	9.006953	13.747566
## sample8613	11.166839	10.832374	11.872138	9.474370
## sample8614	9.071245	10.063972	11.071723	10.630276
## sample8615	9.487307	9.288979	8.975714	9.807739
## sample8616	7.351048	11.596724	8.487030	8.384883
## sample8617	9.528785	11.074749	11.052685	10.908726
## sample8618	12.788486	13.550939	8.259975	7.333877
## sample8619	11.052447	8.621613	11.284847	14.314453
## sample8620	11.384908	12.856630	11.072370	10.095756
## sample8621	11.794473	8.410647	10.020967	9.492234
## sample8622	10.016714	13.102983	9.513777	11.994102
## sample8623	9.778024	6.189970	9.338459	7.126312
## sample8624	7.823736	13.361368	10.498052	9.444373
## sample8625	9.256082	10.238868	11.731917	13.469442
## sample8626	7.645798	7.735675	7.281368	6.466298
## sample8627	6.004745	9.676639	9.145352	10.228960
## sample8628	7.038049	12.981783	10.594005	12.420368
## sample8629	12.797400	9.137716	8.498436	5.919578
## sample8630	11.124202	13.397516	8.940576	9.806732
## sample8631	7.768817	16.429309	8.615029	9.407752
## sample8632	10.811251	9.650723	8.171408	12.014114
## sample8633	8.785755	9.325850	8.280874	9.565163
## sample8634	9.367859	11.532586	10.367613	12.125582
## sample8635	7.465876	7.873154	7.117597	8.929093
## sample8636	10.484095	6.355090	10.254060	8.527881
## sample8637	11.279965	11.577674	13.231487	10.365370
## sample8638	7.407581	12.061035	10.423261	8.055503
## sample8639	13.643746	9.820810	8.473064	6.919874
## sample8640	11.751615	9.094793	5.886148	9.418941
## sample8641	9.430884	10.202891	7.622935	9.375782
## sample8642	8.863406	10.378143	7.651308	10.412102
## sample8643	7.973802	5.512372	11.326207	11.917318
## sample8644	8.851061	9.545765	8.552498	12.041241
## sample8645	7.640973	6.225185	11.245102	12.428423
## sample8646	12.153607	7.402745	12.008024	11.227655
## sample8647	10.941867	8.349391	5.795525	7.897432
## sample8648	5.241852	11.217928	9.421044	11.900206
## sample8649	10.370770	8.910137	9.774883	7.962232
## sample8650	6.129084	9.631281	9.346631	9.166318
## sample8651	6.740812	9.119122	7.524142	10.563058
## sample8652	8.033845	8.306589	10.055953	8.272731
## sample8653	6.053489	7.157310	8.641783	9.821187

## sample8654	11.926605	8.336774	9.159023	11.163764
## sample8655	9.780011	11.053844	10.178503	9.937122
## sample8656	9.063868	11.968200	13.306186	12.648380
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## sample8660	7.708330	9.773556	9.732078	8.013230
## sample8661	10.250169	7.787932	13.596572	13.141455
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## sample8679	8.835705	9.117860	13.062918	11.254838
## sample8680	11.597141	8.838440	8.789447	10.273835
## sample8681	13.927296	10.577750	9.793779	6.396708
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## sample8685	9.326548	9.135037	6.898779	13.250356
## sample8686	9.594535	10.055119	7.222780	10.321001
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## sample8689	6.426676	11.293854	12.197617	9.667382
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## sample8692	12.015465	9.289982	10.884771	9.088152
## sample8693	11.848937	8.437712	11.537988	8.569267
## sample8694	11.927647	10.029181	8.909891	11.604606
## sample8695	8.339875	11.277583	9.553707	5.856296
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## sample8698	6.937737	10.847173	9.578096	14.011959
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## sample8706	11.865571	6.776708	5.622424	9.937117
## sample8707	9.016177	10.732347	10.861078	11.880115

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## sample8708 10.640271 8.814801 10.173185 11.207773
## sample8709 7.659235 12.519390 11.858761 10.603857
## sample8710 8.358768 9.390328 8.922314 11.439545
## sample8711 8.628610 4.915806 9.601647 9.165709
## sample8712 8.406086 9.899835 6.636137 12.824485
## sample8713 14.101519 10.281611 10.914604 9.636705
## sample8714 9.436943 4.722395 9.148940 10.651221
## sample8715 9.551164 9.335588 7.920715 10.757449
## sample8716 6.942399 10.109158 9.683807 11.092295
## sample8717 11.109103 10.394766 13.577325 8.715581
## sample8718 11.342172 11.358205 8.085192 7.720099
## sample8719 10.025173 8.193065 9.638197 9.191373
## sample8720 9.076411 9.568704 10.090672 10.568580
## sample8721 10.040578 5.165744 10.957225 11.447038
## sample8722 6.745740 7.604730 10.391425 10.236201
## sample8723 8.453821 11.033737 9.216746 13.553320
## sample8724 11.046947 8.940984 11.425309 12.023306
## sample8725 9.242279 10.218134 9.700815 7.807770
## sample8726 12.933045 8.692477 10.604039 11.794409
## sample8727 7.685005 7.745834 11.778017 9.009527
## sample8728 13.083457 10.869199 14.464661 7.452175
## sample8729 9.819875 13.596966 8.224905 10.772518
## sample8730 7.990895 8.492339 9.202622 10.852263
## sample8731 13.539283 11.660951 6.742478 11.480161
## sample8732 9.876782 12.286729 12.289921 7.900938
## sample8733 7.330752 11.107412 9.199933 12.966569
## sample8734 10.573948 9.234009 5.522133 12.388144
## sample8735 14.029108 7.443018 5.190238 13.168590
## sample8736 6.722138 8.132344 8.695592 13.161805
## sample8737 11.290069 11.259323 7.864619 8.961563
## sample8738 10.497490 8.181828 10.378695 7.742324
## sample8739 11.934078 12.986476 9.303083 14.075542
## sample8740 9.451126 7.508995 10.354153 10.965581
## sample8741 12.367739 10.485671 7.151510 10.794575
## sample8742 12.215791 9.089115 13.539608 12.684611
## sample8743 7.780228 10.440071 9.396364 9.692044
## sample8744 12.238775 8.336729 11.765558 9.721890
## sample8745 12.186012 8.802459 11.340370 9.825598
## sample8746 14.616546 10.140832 7.436037 8.571135
## sample8747 12.084393 14.112826 9.441786 9.110859
## sample8748 11.049361 9.420735 10.362778 10.691466
## sample8749 10.735891 8.740198 12.775209 11.065672
## sample8750 6.986898 9.632107 6.376201 12.628767
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## sample8752 11.836567 8.277764 13.709288 13.076201
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## sample8759 7.542228 12.983155 8.782914 7.790385
## sample8760 9.597694 7.742150 10.216527 10.496389
## sample8761 7.119246 11.251133 14.927907 9.813354

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## sample8762  7.315056 12.524709 11.078229  9.041851
## sample8763 10.513981  6.946662  8.537405 10.569151
## sample8764  7.171352 10.556826  7.108964  7.033710
## sample8765 12.652766 11.697073 11.029292 12.358173
## sample8766  7.276857 10.022826  8.675289  8.700247
## sample8767 10.802234 10.446907 11.039298 10.655159
## sample8768 11.828686 12.173536  8.242117 10.273467
## sample8769 11.995359  7.426024 11.480786  8.961411
## sample8770 11.056577  8.237341  9.796044 10.378429
## sample8771  4.711745  9.066579  8.579042  9.033881
## sample8772  9.656828  8.339256 11.936850 10.202412
## sample8773 11.718705  9.200301 11.487506  9.351377
## sample8774 10.435963 11.613717  6.633217 10.152656
## sample8775 11.187617 11.363230 14.146053 11.044604
## sample8776 13.830453 11.197305 10.480446 13.183295
## sample8777 12.112945  9.482631 10.519502 10.820454
## sample8778  6.906500  6.643895  7.105773  4.754146
## sample8779  9.528910 10.476494  8.474814 10.156578
## sample8780  6.377529 10.593185  6.465858  8.354000
## sample8781  9.449693  9.494252 12.954561 10.934281
## sample8782 14.797521  9.158293  9.737966 10.296952
## sample8783  9.536440  7.458262  6.591670 11.626546
## sample8784  7.190823  9.186061 11.809281 11.495205
## sample8785 12.162775  8.562666  9.139711  9.390372
## sample8786  6.747808  9.934219  8.862454 12.063273
## sample8787  7.040268 10.411636 10.114466  8.877456
## sample8788 10.248953 13.577227  7.457710 11.864101
## sample8789  9.666031 11.464763 10.008599 10.284523
## sample8790 11.046443 10.212730  8.688676  9.883939
## sample8791  8.188160 12.416598 12.226309 11.223740
## sample8792  8.837071 15.154111  9.889150  8.708009
## sample8793  7.229233  9.023793  6.411185 10.252002
## sample8794  8.160213  9.762826  9.332426  9.205017
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## sample8797 12.340225 10.179131  9.282894 13.304037
## sample8798 10.048544 15.576238 10.203064  8.902158
## sample8799  9.477206  7.662458 11.861971 14.147815
## sample8800 10.975259  9.364704  7.296949  9.475737
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## sample8805  7.211672 12.038519 12.640800  8.090522
## sample8806  8.398543 10.747720 13.730960  6.521710
## sample8807  8.571394  9.831565 12.640102  9.275615
## sample8808 10.726127  5.440548 12.691563  8.659718
## sample8809  7.456398 13.168637 10.077790 10.378607
## sample8810  6.061449 10.807711 14.005503 10.862986
## sample8811 12.334802 12.078110 12.937228 15.254617
## sample8812  6.188750  9.558934 12.985654  7.399087
## sample8813  8.738494 11.746525  7.657197 10.000655
## sample8814 11.727343 10.878620  8.609584 10.340794
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## sample8816	8.887384	8.074277	7.518601	11.597032
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## sample8818	9.715960	11.979152	10.286408	9.247699
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## sample8821	8.489327	13.056475	7.234496	14.150026
## sample8822	12.946232	10.254186	12.770823	8.123643
## sample8823	12.900597	11.697760	11.212960	11.493176
## sample8824	11.654637	9.943968	11.980881	9.435964
## sample8825	8.179416	9.458265	6.900830	11.621759
## sample8826	12.390943	10.251073	8.515848	6.405666
## sample8827	10.949885	7.410745	8.580266	12.750909
## sample8828	9.410939	7.507079	8.471505	11.818103
## sample8829	7.628695	10.491057	9.113787	13.655212
## sample8830	9.861350	10.159828	8.037798	12.279902
## sample8831	9.449559	11.087936	11.213055	10.705486
## sample8832	10.687988	8.327671	11.589251	10.344316
## sample8833	7.080805	7.588770	10.892157	9.161663
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## sample8836	9.253505	9.914504	10.373881	11.617296
## sample8837	9.171689	8.274547	10.494149	9.780762
## sample8838	8.782468	7.444930	9.483390	10.897377
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## sample8840	10.462525	7.293720	10.514294	12.766246
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## sample8846	10.866207	10.554272	11.899932	6.255734
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## sample8854	12.342759	8.426784	8.165050	15.328500
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## sample8870 7.885720 11.626689 11.501165 11.292681
## sample8871 14.291491 8.637384 9.858259 12.418286
## sample8872 10.404813 12.190167 10.744320 11.765735
## sample8873 8.520977 5.739671 13.914112 7.000937
## sample8874 10.672972 9.312150 9.855492 12.996002
## sample8875 12.295355 13.721678 7.176029 11.855946
## sample8876 10.123239 9.307055 11.324331 9.399421
## sample8877 13.221713 13.245598 11.102981 11.567943
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## sample8879 9.562591 9.352598 8.094349 7.327087
## sample8880 13.974845 9.709929 10.782764 8.517711
## sample8881 9.318865 5.007129 11.386593 8.833669
## sample8882 13.967719 9.892319 9.314613 11.275528
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## sample8884 7.445961 9.371763 9.525745 9.360939
## sample8885 6.200905 9.296565 12.854962 13.114207
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## sample8895 9.972454 8.751142 8.782190 7.328099
## sample8896 12.931400 9.005073 9.590163 5.581850
## sample8897 12.203854 10.487240 10.241299 12.502468
## sample8898 10.197581 6.428887 11.737811 11.383427
## sample8899 12.050731 10.178149 10.595785 7.536929
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## sample8902 9.458447 11.603972 13.759901 7.390680
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## sample8904 9.917974 7.122666 10.754079 11.729818
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## sample8906 11.771354 8.529052 13.351279 9.674750
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## sample8910 11.848982 12.293883 9.729016 10.452074
## sample8911 8.858291 7.258584 10.135879 10.566465
## sample8912 11.318315 9.844571 10.282756 12.518218
## sample8913 9.857011 8.885363 10.295502 8.518946
## sample8914 11.199919 7.046875 9.514147 5.646019
## sample8915 10.300798 8.288919 12.665381 9.850249
## sample8916 11.404874 9.690902 6.642606 8.640565
## sample8917 12.568391 13.146306 11.394145 13.930035
## sample8918 11.079931 11.529270 11.227011 10.901589
## sample8919 8.668738 9.758344 7.895745 9.762231
## sample8920 8.540223 6.642100 9.935346 12.324340
## sample8921 10.087011 8.767497 5.972765 10.208578
## sample8922 11.406024 11.069837 10.204890 11.742455
## sample8923 9.693487 8.268792 9.638233 11.408832

```

## sample8924	11.734330	9.992821	12.694167	9.604754
## sample8925	10.055136	8.316855	12.079949	9.266220
## sample8926	9.293589	11.314746	7.970809	12.003664
## sample8927	10.129732	9.689591	6.902090	11.553783
## sample8928	7.516806	14.238114	12.059810	7.500942
## sample8929	7.823043	12.137998	8.531346	6.380127
## sample8930	11.111368	8.258518	7.499210	9.792463
## sample8931	6.684349	8.473028	10.615035	13.703451
## sample8932	10.432588	6.877428	10.841328	8.529130
## sample8933	10.720820	7.566985	9.718458	8.507987
## sample8934	10.474580	8.781195	7.422059	11.239543
## sample8935	13.332007	7.660124	10.033431	8.057376
## sample8936	10.265258	12.178615	10.308295	9.462557
## sample8937	9.858624	12.453950	8.648029	7.055506
## sample8938	9.367119	10.988496	10.126045	10.139037
## sample8939	9.569504	11.746211	11.345691	10.783593
## sample8940	10.861407	11.583677	10.779874	11.530913
## sample8941	10.887653	12.134506	11.429158	10.044539
## sample8942	10.009929	11.051015	11.813816	9.879431
## sample8943	11.844643	11.254338	9.183056	7.152910
## sample8944	6.643997	4.580128	8.900844	5.333404
## sample8945	9.969878	10.015202	12.853192	9.535095
## sample8946	9.666881	7.624170	12.927101	12.590320
## sample8947	9.412915	12.279388	10.518037	6.428688
## sample8948	14.458523	9.293658	11.586256	12.810052
## sample8949	11.122633	13.370438	9.708614	10.233249
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## sample8951	10.449930	9.340366	12.164851	8.862761
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## sample8953	8.864586	11.109288	9.551757	8.833911
## sample8954	11.252716	10.435860	10.073696	8.896151
## sample8955	11.427652	9.410175	7.918758	7.105037
## sample8956	9.699712	9.183857	9.433203	11.260332
## sample8957	7.670572	11.241117	8.571097	11.694891
## sample8958	8.284072	10.884441	12.026163	8.485348
## sample8959	15.253080	11.358303	10.146387	11.982096
## sample8960	10.143113	11.477275	12.023032	11.339405
## sample8961	10.098224	9.842334	9.711698	13.975080
## sample8962	8.331081	8.380275	10.366481	7.506261
## sample8963	10.379062	13.090609	12.516428	11.770002
## sample8964	5.843696	9.642536	9.060409	14.018755
## sample8965	10.844222	11.752614	9.746254	12.726500
## sample8966	7.396160	7.705614	11.950043	9.889568
## sample8967	6.051087	11.204590	10.276153	10.261051
## sample8968	10.769960	7.492504	4.963084	12.951412
## sample8969	12.658279	10.381442	9.547020	8.704540
## sample8970	11.848963	11.744011	9.197449	11.179352
## sample8971	9.364132	9.358705	9.794191	13.579837
## sample8972	9.660276	10.287642	6.507437	9.474285
## sample8973	5.720848	9.701219	7.352017	9.374877
## sample8974	9.207007	11.565652	5.808667	12.167466
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## sample8978	6.958726	9.915427	11.313437	10.703304
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## sample8980	8.776455	7.416284	10.995557	8.629238
## sample8981	10.127300	11.835531	10.762197	8.714244
## sample8982	11.073318	11.267138	8.303636	4.844537
## sample8983	10.256390	12.742890	9.072789	12.064539
## sample8984	11.516060	11.129054	11.679843	8.843815
## sample8985	13.995044	8.684916	12.050643	8.783959
## sample8986	5.926930	9.816660	9.468622	11.096848
## sample8987	11.149862	7.660929	8.911322	7.081111
## sample8988	7.751410	11.029256	11.904380	9.817766
## sample8989	11.306001	8.280538	9.130075	9.037737
## sample8990	10.756596	8.481588	9.652351	9.630778
## sample8991	9.314557	9.210913	8.095530	11.531898
## sample8992	9.997068	8.646759	7.557400	9.350412
## sample8993	10.236449	9.951133	10.014655	11.136803
## sample8994	10.254865	9.889262	10.507393	9.757297
## sample8995	8.211951	10.443386	9.765990	10.732260
## sample8996	7.465435	7.813118	13.323138	10.496300
## sample8997	10.154666	12.854930	9.029350	10.478872
## sample8998	10.874675	7.050698	9.311224	15.383569
## sample8999	12.590316	10.607064	10.674199	13.200948
## sample9000	9.433462	10.868002	9.563814	8.813063
## sample9001	11.541166	8.143633	7.478480	10.029091
## sample9002	8.459494	13.110831	9.566883	10.904795
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## sample9005	11.012381	9.905852	12.026236	9.736004
## sample9006	12.562461	7.964829	9.146416	10.124550
## sample9007	11.163827	8.124194	9.617127	12.268945
## sample9008	9.766755	10.892413	11.126391	8.319061
## sample9009	11.625134	10.694066	10.432550	10.861395
## sample9010	12.523444	9.780114	13.527990	6.106747
## sample9011	11.782591	15.439292	9.619300	11.279810
## sample9012	11.631625	9.531224	12.704378	14.181587
## sample9013	10.578249	9.770907	7.820593	10.985046
## sample9014	7.466433	6.989377	10.705184	11.521934
## sample9015	10.297157	8.122072	9.041843	9.965623
## sample9016	12.660012	11.933929	8.022721	8.320928
## sample9017	10.818139	6.678975	8.803314	11.799197
## sample9018	9.322862	10.693862	11.665157	7.556637
## sample9019	13.022164	6.350912	12.246300	12.427489
## sample9020	8.159336	9.080501	9.994325	10.710151
## sample9021	11.733162	9.205892	11.716678	12.523055
## sample9022	10.360686	10.284957	8.859062	12.226071
## sample9023	12.833111	4.607425	7.313763	8.481339
## sample9024	8.306405	10.425568	8.381412	10.216928
## sample9025	8.885280	8.592979	9.527660	6.254019
## sample9026	6.239463	11.203876	12.042135	10.442913
## sample9027	15.288281	12.129287	9.390684	7.977107
## sample9028	12.868166	10.341089	12.161359	10.233671
## sample9029	7.715864	8.853533	6.136943	11.724269
## sample9030	10.708661	7.658845	8.658431	10.903165
## sample9031	10.290702	8.305826	10.298185	11.068592


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## sample9032    8.804849 10.327144  7.527204 12.291765
## sample9033   12.577481 10.711866  6.471144  8.447381
## sample9034   11.983316 10.549120 10.746106  6.427304
## sample9035    8.327831 11.341552  7.326322  9.017299
## sample9036   12.000717  9.535913 11.865538  7.621503
## sample9037   12.576511 12.295087 12.579541 11.280177
## sample9038    8.761779  9.585117 11.345625  9.161223
## sample9039   10.859004 10.790286  7.990911  8.732759
## sample9040   11.476015 10.862345 11.961450 11.927606
## sample9041   12.936828 11.006403  8.768749 10.154478
## sample9042   11.138442 10.597799  8.337729  7.612064
## sample9043   10.804347  9.326219  6.753799 12.124933
## sample9044    9.888746  9.256287  8.920595 11.152737
## sample9045    8.565724 10.481932  9.179334  9.534495
## sample9046    7.414526  9.051599  9.958047  8.306135
## sample9047   12.400188 11.313615 11.563019  7.235542
## sample9048    9.813735 10.304317  9.881750 10.379698
## sample9049   12.440250 10.625953 12.287877 10.780489
## sample9050    7.296651  8.046908  4.311282  6.871696
## sample9051   11.090517 11.057987  6.077612  9.011170
## sample9052   11.624256  8.417580  7.762467 10.229498
## sample9053    7.377205  8.139092  8.597629 11.925767
## sample9054    8.414205  9.535559  4.911782 10.131259
## sample9055   11.728921 10.457909 10.434702 10.184613
## sample9056   14.424105  9.768427  9.201623 10.349017
## sample9057    8.612651  9.392146 12.858524  8.281019
## sample9058    8.481262  4.173456  8.094728 13.510959
## sample9059   11.151107 10.281899  9.467265 12.350301
## sample9060    8.945829  8.103409  9.805522 10.994141
## sample9061    7.141620  6.826124  7.733646 10.066334
## sample9062    8.989404  9.904837 10.973237  7.875121
## sample9063   10.328509 10.059102 10.146050  7.796855
## sample9064   10.921242  8.762636 10.483707 11.450627
## sample9065   12.928973  6.755266 11.669863  8.801605
## sample9066   12.260395 13.237377 11.452523 14.861478
## sample9067   11.929965 10.476717  8.753683 11.205345
## sample9068   11.498606 10.685782 10.932808  9.026866
## sample9069   12.519852 11.868433 11.330168  9.875012
## sample9070   12.257978 10.260803  6.846696  7.566976
## sample9071   10.051634 12.039313  7.875962 10.904897
## sample9072    8.018187 11.403880  7.865231 13.316451
## sample9073   10.036225  7.549638  9.352125  7.942878
## sample9074   12.217875  9.918971 12.290772  8.913699
## sample9075   10.015153 11.314102 11.469160 13.040624
## sample9076   10.147277 12.252569  9.437525 12.089564
## sample9077    9.952448 15.161601 10.823274  9.596862
## sample9078   11.788574 12.501191 14.283911  7.144474
## sample9079   12.923508  9.483826  9.234916  9.860355
## sample9080    7.839869  3.914294  9.210798  8.878840
## sample9081   12.998072 13.347628  7.588364 11.823265
## sample9082   13.243024  9.108821  6.049762 10.358178
## sample9083    8.178595 11.174013 11.670589 14.335307
## sample9084    9.479797 13.620443 12.317319 10.501909
## sample9085    7.767683  6.173274 12.731607  7.155537

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## sample9086	8.096369	15.408481	7.824195	12.462721
## sample9087	10.531367	8.327326	8.747832	11.162505
## sample9088	10.186121	7.843232	11.926769	11.475381
## sample9089	7.256367	14.155699	15.079097	9.839975
## sample9090	7.752797	7.582384	13.197162	7.785277
## sample9091	8.297165	10.293057	8.580256	13.356312
## sample9092	5.500616	8.492342	14.072800	8.537389
## sample9093	10.297602	7.818737	11.619282	7.622826
## sample9094	9.497556	12.325078	9.132452	9.000337
## sample9095	8.039036	11.840235	8.180166	10.023630
## sample9096	7.604099	9.443514	8.539120	8.646378
## sample9097	10.041849	11.914973	7.480587	7.540408
## sample9098	8.733371	10.400338	9.618558	9.250026
## sample9099	8.474509	6.255596	12.220705	7.800128
## sample9100	9.609519	10.191725	8.936016	14.231411
## sample9101	10.200682	8.471042	11.084516	7.788719
## sample9102	8.854354	10.063059	7.714540	10.236618
## sample9103	7.410064	9.004455	12.824803	14.242851
## sample9104	8.464625	7.415454	13.631397	9.752234
## sample9105	8.825783	8.959246	7.223652	12.677924
## sample9106	10.945923	9.768210	8.348950	5.541340
## sample9107	13.419276	14.304436	11.273101	11.533462
## sample9108	7.538408	10.309540	11.597665	11.109011
## sample9109	5.504893	9.624523	9.091525	10.653471
## sample9110	8.390492	11.308240	9.443267	10.495760
## sample9111	8.339663	12.372643	11.071733	10.513016
## sample9112	9.449193	12.827307	10.398926	8.676214
## sample9113	9.059983	10.159213	9.469370	8.123714
## sample9114	9.944506	6.284726	9.882628	7.977553
## sample9115	4.136975	8.537430	9.292308	9.932216
## sample9116	10.912679	10.445500	11.518989	10.751034
## sample9117	10.386882	6.585338	8.983052	9.424695
## sample9118	10.273072	13.301442	9.687968	7.444656
## sample9119	10.215225	11.958884	8.159841	10.691634
## sample9120	8.347246	9.660330	9.377523	7.738436
## sample9121	11.682760	7.638115	9.137883	14.059493
## sample9122	15.032818	6.530651	10.738766	13.914226
## sample9123	8.689526	11.725083	10.327280	8.989737
## sample9124	6.864000	9.866289	6.034751	13.047830
## sample9125	7.857039	13.984343	10.144680	8.145852
## sample9126	14.177006	10.521007	8.924761	5.624839
## sample9127	7.786619	10.739261	11.478343	11.586499
## sample9128	12.312564	12.066515	8.175448	10.067034
## sample9129	11.000579	11.859825	9.497447	8.368634
## sample9130	5.702121	10.147763	9.986593	6.901214
## sample9131	10.834671	11.555789	10.079485	8.532610
## sample9132	5.731454	10.419551	7.901542	7.498828
## sample9133	14.036308	8.306226	9.725286	10.346595
## sample9134	7.549357	12.404114	11.330677	12.163869
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## sample9137	12.664415	10.482729	7.048624	11.537771
## sample9138	9.602450	10.834472	11.747666	9.635509
## sample9139	9.578787	8.832212	10.590727	8.100996

```

## sample9140  9.725014 10.551373 10.096543  7.959575
## sample9141 10.745849 14.974055 10.748224  7.313311
## sample9142  9.178261  9.315617  8.444804 11.166226
## sample9143  9.668122 10.182786 13.912057  8.756580
## sample9144 11.712870 11.949403  9.534457 11.380348
## sample9145 10.955176 11.738322 12.722229 10.063079
## sample9146  9.765954 10.566475  9.353996 10.959542
## sample9147  7.322682  7.099408  8.336314  8.591411
## sample9148  8.477279  8.297255 12.051164 11.696229
## sample9149  7.960454 11.215051 11.307687  8.359191
## sample9150  8.095419 13.290972  8.698468 11.291292
## sample9151 12.445419  9.629099  9.399146  8.508355
## sample9152  9.317098  8.708883 12.954679  9.290793
## sample9153 12.311161 10.766093 11.406343  9.999986
## sample9154 13.373980  8.735030  5.105379  9.282508
## sample9155  8.708962 12.540413 10.455610  9.701445
## sample9156  8.303439  8.569555 11.463372  8.999841
## sample9157 10.840601  8.868636  6.924692 10.534498
## sample9158 10.233893  7.154917 10.059196 11.236614
## sample9159 10.360344  9.027273  8.288669  9.667261
## sample9160 10.205878 11.701438 10.348800  9.068618
## sample9161 11.724188  9.959035  9.841248 10.179018
## sample9162  5.939233  9.385287 11.147583 12.276695
## sample9163  8.163205 10.951364  8.648127 10.004758
## sample9164  8.630898 11.442040 12.227134  6.915564
## sample9165  8.294857  9.499282 10.963474 10.591082
## sample9166 10.680376  9.004704 11.048981 10.737274
## sample9167  9.906454 12.590309 10.951448 11.210971
## sample9168 11.711411 12.726478 14.114143 10.333803
## sample9169  9.991463 13.112557  9.835807  8.004680
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## sample9171  7.702699  9.164370  9.190225 10.801186
## sample9172 14.616059  6.097646  8.361621 10.030252
## sample9173  7.167421 11.972769  5.549679  7.203229
## sample9174  9.683725 10.318696 11.860644 11.343232
## sample9175  9.475377  6.537679  9.064162 11.225530
## sample9176 11.299834  9.803224  8.266926 10.589590
## sample9177 10.005674 11.247812 11.579857 12.794667
## sample9178  5.886998 13.010916 11.616063 11.567924
## sample9179 11.169079  5.657518 10.180770  9.550525
## sample9180  9.057499 10.478656  6.950073  8.779971
## sample9181 10.607495 11.369362  6.714637  9.832383
## sample9182  9.585249 10.984227  8.356239  7.668596
## sample9183  7.996148 11.128252  9.933388 10.795385
## sample9184 12.560047  8.934940  9.261140 11.531441
## sample9185 11.292977  8.265482 10.057365  7.555341
## sample9186 12.276212 14.814961  8.796142  8.541040
## sample9187  9.955304 10.184051  7.556343 10.273811
## sample9188  4.967224  8.336740 10.870838 11.246454
## sample9189 14.005010 11.839492  8.575523 15.452875
## sample9190  9.846062 11.767513  7.732207 10.472070
## sample9191 14.291346 10.253729  8.344528  8.334412
## sample9192 10.525912  6.892841  8.429488 10.413329
## sample9193 10.926964 12.601640 13.759228 10.190356

```

## sample9194	10.327032	11.186872	7.299678	7.431032
## sample9195	12.703317	6.641108	13.056192	8.294772
## sample9196	11.529930	6.748914	10.320619	6.132559
## sample9197	10.062955	9.518522	8.363178	6.314033
## sample9198	11.454832	11.266092	9.796462	11.715419
## sample9199	13.657191	10.080490	9.454893	12.113845
## sample9200	9.098688	10.115448	8.625180	4.548152
## sample9201	9.255846	6.690514	8.481456	11.125814
## sample9202	10.261746	5.690633	11.816894	9.297690
## sample9203	9.398800	7.127789	9.663783	8.427640
## sample9204	11.454166	12.063787	14.175612	12.273222
## sample9205	11.488401	3.641468	11.246334	11.674596
## sample9206	9.751973	8.826300	12.016808	11.494596
## sample9207	10.212243	8.419017	10.285232	10.128014
## sample9208	10.415674	12.440977	12.158200	7.130949
## sample9209	9.837532	9.215981	7.247662	6.382324
## sample9210	11.902418	10.416311	12.923697	11.380008
## sample9211	11.023956	11.695156	7.015099	8.718713
## sample9212	11.913470	7.430469	9.578011	10.455982
## sample9213	3.489409	11.291147	13.008300	9.421821
## sample9214	7.500399	12.110211	7.452034	12.521026
## sample9215	8.733670	12.159679	14.987375	13.110519
## sample9216	10.423226	10.566876	7.449019	11.007295
## sample9217	6.411673	10.365888	9.652765	7.177074
## sample9218	13.084363	11.805109	11.827771	13.914605
## sample9219	10.082067	9.434641	11.966647	10.034878
## sample9220	11.324676	11.380323	9.549574	9.526706
## sample9221	12.738706	10.397269	5.886779	9.966792
## sample9222	7.283071	9.568226	4.855220	10.239115
## sample9223	11.328542	11.253681	10.840130	10.292454
## sample9224	7.308742	11.204342	17.689554	8.280714
## sample9225	7.208024	10.861326	8.092964	10.705365
## sample9226	10.111937	6.251901	8.678572	8.551065
## sample9227	8.509778	9.019718	8.896181	12.514696
## sample9228	10.565704	8.770900	8.673249	8.939637
## sample9229	10.696933	12.951143	8.005584	10.901698
## sample9230	11.777269	8.639524	10.487697	9.569971
## sample9231	11.735494	11.506453	9.582101	9.656562
## sample9232	11.078192	7.680088	10.608776	8.712026
## sample9233	7.732637	7.130610	11.136324	9.505265
## sample9234	8.049206	6.822313	12.157448	11.169441
## sample9235	8.371056	11.113611	9.301619	8.862552
## sample9236	4.989344	10.658307	6.974656	11.575987
## sample9237	12.092641	10.485837	11.489470	12.223718
## sample9238	9.248630	8.440295	11.110997	7.621388
## sample9239	12.999390	10.238718	9.693938	9.403737
## sample9240	10.353260	10.436733	9.068917	10.322341
## sample9241	8.553448	8.942024	8.425960	11.885316
## sample9242	7.535191	9.762444	13.522687	10.594302
## sample9243	8.212328	7.163959	7.597672	8.750426
## sample9244	13.001633	7.816223	14.504998	11.944970
## sample9245	10.135691	15.766400	8.733114	13.252515
## sample9246	7.789136	12.601961	13.138290	10.023493
## sample9247	8.761720	10.732849	10.422001	12.554785

## sample9248	11.253694	9.467910	4.633079	9.021090
## sample9249	9.588426	9.584847	11.158351	11.053030
## sample9250	8.472057	10.090315	9.938886	10.629839
## sample9251	10.343216	6.665319	11.984928	10.624188
## sample9252	8.147259	9.724171	8.838462	12.735141
## sample9253	10.007433	4.468451	9.164901	7.800511
## sample9254	10.729938	8.830331	6.476604	7.735176
## sample9255	10.341491	13.018321	8.734246	11.354533
## sample9256	7.074161	8.497663	9.476078	10.966487
## sample9257	5.956175	11.530705	7.610412	8.896052
## sample9258	12.883332	10.112620	10.561505	12.236219
## sample9259	6.095898	11.786305	5.405085	12.768435
## sample9260	6.988996	13.678232	12.805004	12.677966
## sample9261	10.420922	9.794567	8.956811	9.736272
## sample9262	8.983473	11.068559	9.710640	10.421096
## sample9263	9.943501	11.388691	9.060515	12.490810
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## sample9265	6.891644	10.819709	10.838449	12.640959
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## sample9268	10.480889	4.775418	8.567131	9.600913
## sample9269	10.691739	11.531010	7.857653	10.303518
## sample9270	8.530819	9.095611	10.205994	9.253476
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## sample9274	9.841165	12.943272	8.705327	8.908794
## sample9275	11.965842	8.436562	11.437514	9.426114
## sample9276	7.699438	9.996941	10.044169	12.914802
## sample9277	7.208598	11.049062	9.338043	8.989304
## sample9278	9.009305	9.191348	10.754979	12.610289
## sample9279	9.753880	8.550228	9.957766	9.220143
## sample9280	8.126323	12.030090	10.983240	8.518740
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## sample9282	10.189191	11.958378	11.543357	12.819026
## sample9283	11.110390	8.109548	8.688794	9.547530
## sample9284	10.339938	12.790960	7.528007	10.601753
## sample9285	8.887537	9.592546	11.129006	8.678310
## sample9286	9.925539	9.758457	10.188887	13.309099
## sample9287	13.593659	13.349506	11.255798	11.235156
## sample9288	6.324039	10.735480	9.607615	9.177425
## sample9289	9.186654	6.534621	9.796444	9.945303
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## sample9291	8.817594	8.651234	9.239964	7.595050
## sample9292	7.611740	7.969676	6.452644	10.777131
## sample9293	8.414872	11.695677	8.665435	10.923836
## sample9294	9.295416	8.050113	8.387489	9.567051
## sample9295	9.060769	10.824256	7.226083	10.030039
## sample9296	6.503970	12.785328	10.446744	9.881324
## sample9297	9.452946	7.301444	9.784335	10.769380
## sample9298	9.807156	7.618140	6.148168	9.043660
## sample9299	9.301196	12.450427	8.975719	13.345858
## sample9300	8.955183	8.641082	13.983131	10.762492
## sample9301	9.921733	4.209953	6.129333	11.445452

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## sample9302 11.101069 8.322246 13.992964 9.166965
## sample9303 9.982063 8.616778 11.005334 10.765211
## sample9304 7.215638 12.354868 9.602857 13.002088
## sample9305 11.436830 7.877503 9.205470 8.270480
## sample9306 12.831478 10.649710 10.655032 9.216563
## sample9307 11.989678 10.869754 7.434268 11.646799
## sample9308 10.817705 9.603430 14.678573 8.677222
## sample9309 12.556921 11.897037 9.315837 12.178614
## sample9310 11.755522 9.805241 12.514652 11.172211
## sample9311 9.947345 10.235664 9.359442 13.833433
## sample9312 7.265048 9.285846 8.834349 8.876013
## sample9313 11.805226 10.563859 15.046230 11.141036
## sample9314 11.828266 8.107060 10.703525 11.396153
## sample9315 5.621539 6.744177 14.205224 12.325815
## sample9316 12.584640 13.064728 12.322060 8.601208
## sample9317 8.151012 10.917834 9.675442 14.767635
## sample9318 13.706902 7.331190 10.150673 7.888447
## sample9319 12.753095 12.587430 13.136799 11.632951
## sample9320 8.159003 9.634913 10.454348 11.313824
## sample9321 8.228364 10.041490 9.125724 10.992524
## sample9322 9.760703 10.157966 10.339960 8.559909
## sample9323 14.131157 12.443387 12.663050 9.508891
## sample9324 9.521792 10.664112 14.340269 7.760461
## sample9325 8.825376 12.919496 12.371237 12.751715
## sample9326 9.578456 7.793974 7.116855 6.185685
## sample9327 8.370175 9.381585 9.802945 9.815925
## sample9328 7.491087 8.796394 14.260118 7.581804
## sample9329 11.105622 14.317439 12.052088 4.377367
## sample9330 6.845443 12.705693 11.153104 11.844066
## sample9331 9.356767 8.438189 7.520480 11.431802
## sample9332 12.117960 12.300171 13.342862 14.240835
## sample9333 12.056700 7.644669 12.533923 7.553791
## sample9334 8.102274 7.018378 10.584347 11.755713
## sample9335 7.807464 12.629133 10.068122 8.233938
## sample9336 10.485343 7.845914 8.204909 10.638734
## sample9337 11.791308 11.207295 10.977691 7.159213
## sample9338 10.047924 10.236495 5.512869 7.385066
## sample9339 9.905130 9.816652 9.642190 9.501666
## sample9340 8.217395 12.064798 9.073106 12.441304
## sample9341 9.547948 13.528981 9.297163 8.641995
## sample9342 8.319772 10.060460 14.110459 11.942845
## sample9343 12.160099 10.098590 13.200648 7.696475
## sample9344 7.616468 10.700375 10.803599 10.103709
## sample9345 7.888122 8.696068 10.752688 7.190438
## sample9346 8.542417 8.424435 8.677235 8.827152
## sample9347 12.278493 11.680119 11.131241 9.796606
## sample9348 8.486756 11.082736 12.500815 5.708774
## sample9349 5.452373 10.691944 9.969727 11.943495
## sample9350 10.197281 12.215935 9.040150 13.613790
## sample9351 9.904845 11.136605 10.936355 12.070484
## sample9352 12.873072 9.065010 10.159462 10.190251
## sample9353 9.174762 8.715907 9.689821 11.106239
## sample9354 10.763390 10.449852 11.498629 10.527874
## sample9355 8.355553 7.813791 11.885746 9.785514

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## sample9356 8.929897 10.267768 11.244109 12.234216
## sample9357 11.035985 9.846918 10.237044 9.898931
## sample9358 10.902974 10.091032 10.130736 11.433883
## sample9359 15.532252 11.018425 8.684778 10.354418
## sample9360 10.946060 10.974401 8.519806 13.180981
## sample9361 10.022870 6.632031 6.504383 6.753056
## sample9362 11.275106 11.103730 10.576925 11.313199
## sample9363 9.671398 9.354740 10.227478 9.660282
## sample9364 10.077850 14.243268 11.921973 13.271735
## sample9365 11.957337 12.182977 10.644019 11.231431
## sample9366 13.903617 8.765357 10.489558 6.851986
## sample9367 10.514298 9.562862 10.911456 10.226509
## sample9368 11.397858 10.382906 8.440662 10.692925
## sample9369 8.259454 8.875542 9.250047 10.092052
## sample9370 10.793167 8.275416 8.290539 8.987113
## sample9371 10.369162 10.438958 8.742400 9.975716
## sample9372 12.333720 10.428961 9.559831 10.301737
## sample9373 7.364545 13.027643 10.516660 10.924647
## sample9374 8.142394 12.102879 10.968980 9.519108
## sample9375 11.596560 9.689316 8.695985 9.188638
## sample9376 12.021522 12.273300 10.560635 10.311849
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## sample9378 12.827920 11.837754 13.702639 10.797558
## sample9379 10.262311 12.157939 6.469651 9.701202
## sample9380 10.799960 13.203211 5.703152 8.993316
## sample9381 7.247922 8.564734 10.439017 9.840253
## sample9382 12.311330 8.777396 11.675782 9.961475
## sample9383 7.245514 10.808316 5.508601 8.898442
## sample9384 9.971969 6.351271 11.581207 7.460933
## sample9385 8.138063 9.639920 7.050919 12.140301
## sample9386 14.097053 7.401146 8.086368 9.760569
## sample9387 9.693315 10.347318 11.208455 12.484174
## sample9388 10.626856 11.041195 9.773393 9.862499
## sample9389 8.071299 14.844429 13.405908 8.926572
## sample9390 8.701286 5.801140 8.361054 11.727333
## sample9391 7.887085 10.336157 5.266898 10.773113
## sample9392 9.824103 10.819068 12.166267 7.972978
## sample9393 9.132527 13.074043 10.192702 9.848575
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## sample9396 15.396786 9.580345 5.908122 9.055168
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## sample9401 8.864856 5.759696 13.839391 11.047093
## sample9402 9.569545 11.787432 11.082952 6.504563
## sample9403 7.846470 7.916461 9.527428 12.529676
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## sample9405 11.485128 12.813739 11.312551 12.483111
## sample9406 9.342375 10.302255 7.249740 12.022557
## sample9407 11.394569 10.584782 10.127622 9.441548
## sample9408 8.324525 9.873947 9.374184 7.177856
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## sample9410	11.650435	9.961013	9.495953	9.631669
## sample9411	9.603887	6.892294	12.846840	9.548483
## sample9412	10.380885	7.391060	10.464700	8.518142
## sample9413	10.153369	8.974464	10.259059	9.304167
## sample9414	8.500394	12.909953	9.041353	10.528398
## sample9415	11.461833	11.644822	10.941994	10.763972
## sample9416	7.045989	7.980049	9.986560	10.121426
## sample9417	13.161176	9.674752	8.644151	10.949199
## sample9418	8.036484	10.103623	9.117423	7.333965
## sample9419	12.198920	9.766045	8.408432	16.024180
## sample9420	12.642448	8.792239	8.302647	9.822910
## sample9421	11.269050	9.623533	7.256239	7.659997
## sample9422	11.267062	8.717444	8.797120	10.948295
## sample9423	11.148617	10.492810	8.978051	13.961667
## sample9424	9.551223	10.152156	7.881959	11.987637
## sample9425	10.111865	8.601694	10.569918	9.701276
## sample9426	11.812400	6.900826	5.225692	10.291296
## sample9427	9.606871	9.079096	10.193723	12.759917
## sample9428	9.389306	7.826849	7.544098	9.935167
## sample9429	9.548874	13.035701	9.067285	7.325394
## sample9430	8.009116	8.622231	9.994241	10.566981
## sample9431	6.803759	8.066441	9.660339	8.968001
## sample9432	10.910689	10.922004	8.001804	10.812401
## sample9433	10.421329	10.734019	8.899766	8.655790
## sample9434	11.322729	7.546688	11.976099	12.096523
## sample9435	10.231583	13.411527	12.501361	13.393502
## sample9436	9.904966	9.466181	7.730324	12.363091
## sample9437	10.479162	7.475380	14.502194	8.184766
## sample9438	10.214675	10.903208	10.405170	5.845946
## sample9439	13.625717	7.370246	11.922460	10.423782
## sample9440	10.009835	8.048397	6.014409	9.781662
## sample9441	8.462835	11.737254	7.138251	10.818773
## sample9442	8.437427	6.958613	4.971845	9.501643
## sample9443	9.693297	9.340124	10.247675	9.236608
## sample9444	8.503674	14.331884	11.192535	10.084120
## sample9445	7.921360	7.951297	5.336328	8.472942
## sample9446	9.123683	9.799894	14.164673	12.860184
## sample9447	11.055025	12.836453	10.205780	8.552792
## sample9448	8.502360	9.329397	12.534202	9.536812
## sample9449	11.593952	11.355314	11.874461	8.856571
## sample9450	11.269441	10.198623	9.823962	10.643175
## sample9451	11.818741	12.027208	7.891846	9.570281
## sample9452	8.782732	8.156560	11.975253	11.034655
## sample9453	9.903716	11.527375	9.959198	12.401588
## sample9454	11.207701	11.070266	7.235422	9.800180
## sample9455	7.837027	7.069875	8.094871	9.998768
## sample9456	8.565783	7.225019	8.486531	9.939226
## sample9457	10.930473	8.433224	9.149826	9.446966
## sample9458	12.680519	8.555074	11.474310	11.238474
## sample9459	14.039662	10.893320	12.564620	12.224869
## sample9460	5.598235	13.834860	10.710135	10.173402
## sample9461	10.785090	8.778348	7.652940	12.809744
## sample9462	7.571412	5.199296	10.882306	11.634091
## sample9463	11.658694	10.629327	12.492970	8.735085

## sample9464	7.242096	8.936391	9.801516	8.257087
## sample9465	8.226577	11.211763	7.908490	11.804891
## sample9466	6.429725	8.460121	8.589047	12.999951
## sample9467	8.836858	9.394120	10.569708	8.446757
## sample9468	9.523481	9.382290	6.813335	11.820980
## sample9469	12.456161	8.553393	7.748958	12.042139
## sample9470	11.716086	8.184633	9.301178	10.763114
## sample9471	9.174640	10.153309	9.254497	12.118611
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## sample9475	6.709692	10.476448	8.010465	11.417394
## sample9476	10.908187	9.648492	12.223155	9.258219
## sample9477	9.528466	11.327531	8.380890	8.023108
## sample9478	10.505436	10.809044	9.511467	9.850177
## sample9479	9.418049	8.296356	7.763033	11.362491
## sample9480	10.987037	8.844609	8.576447	9.674243
## sample9481	10.592855	7.978658	13.697356	13.081433
## sample9482	12.243735	8.315725	8.978181	12.456514
## sample9483	10.887744	11.555211	10.541777	7.578663
## sample9484	13.213918	9.012296	9.773555	8.207461
## sample9485	8.856844	11.419553	9.726195	9.978508
## sample9486	9.124993	9.070194	9.686888	7.058496
## sample9487	9.824022	12.720903	11.077965	6.894701
## sample9488	11.512351	9.080630	11.696239	10.427530
## sample9489	11.693587	9.017377	9.732850	11.609668
## sample9490	6.738265	13.652299	8.367527	8.247713
## sample9491	11.256234	9.493852	10.921313	12.284087
## sample9492	8.919970	10.773289	8.223976	11.100895
## sample9493	11.624816	10.982538	8.779319	13.937570
## sample9494	8.069533	10.518872	12.669482	10.527242
## sample9495	8.322569	7.858872	8.388466	12.139673
## sample9496	6.513697	14.347985	12.003891	9.237000
## sample9497	10.926120	9.956008	10.765307	11.429371
## sample9498	12.881161	10.901764	5.638838	8.724445
## sample9499	9.923210	12.553645	11.552313	11.692230
## sample9500	9.812530	11.785166	11.963140	7.440549
## sample9501	9.453685	9.920868	8.884249	11.269739
## sample9502	13.649285	11.288247	11.631256	12.785018
## sample9503	12.453576	12.347345	12.130940	9.961863
## sample9504	10.669573	12.402891	10.581386	7.651830
## sample9505	9.729937	12.283567	9.927991	7.952585
## sample9506	11.035778	11.279941	10.304287	14.071984
## sample9507	7.183584	7.807179	8.379913	7.705244
## sample9508	9.001190	12.300822	8.615942	11.034065
## sample9509	10.468172	9.027218	11.857040	11.282515
## sample9510	10.901111	8.473484	10.244577	6.279698
## sample9511	9.008276	11.909902	9.473994	13.798493
## sample9512	8.526369	10.946090	12.713063	11.394112
## sample9513	5.788874	10.455034	10.058263	9.577128
## sample9514	8.516247	11.373374	13.673193	11.146966
## sample9515	8.596848	12.088124	11.383258	8.289482
## sample9516	9.010885	7.779377	8.551246	9.360324
## sample9517	9.740157	7.921462	7.570149	6.135517

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## sample9518 11.349100 12.461260 9.908999 10.852222
## sample9519 8.255715 7.779814 12.377264 9.235411
## sample9520 8.360914 8.921555 9.850797 13.223834
## sample9521 10.438917 8.561518 12.349395 9.999946
## sample9522 8.107182 8.984045 8.675548 10.279832
## sample9523 6.996227 10.896687 12.849944 10.056771
## sample9524 10.487793 12.979877 11.743957 12.990852
## sample9525 11.947461 12.703540 10.418083 8.032489
## sample9526 11.249511 8.218883 11.652354 13.208970
## sample9527 10.558028 6.785430 7.668724 10.501858
## sample9528 9.443687 9.450455 10.810965 8.402338
## sample9529 6.667557 11.516310 12.065284 11.686805
## sample9530 12.553874 11.033382 6.609748 11.485351
## sample9531 9.451911 15.445347 9.870013 10.248004
## sample9532 11.586035 12.393122 12.192133 8.002094
## sample9533 10.359053 9.235187 6.761617 12.369264
## sample9534 10.987826 11.641615 11.182093 9.932768
## sample9535 7.941232 12.230290 13.106044 8.407681
## sample9536 8.060978 10.214426 5.876554 9.404813
## sample9537 11.971391 9.398613 7.925797 12.365047
## sample9538 8.675311 10.613043 9.853385 10.539303
## sample9539 9.456552 8.177805 10.902931 9.278076
## sample9540 10.241492 10.446894 10.238095 7.473121
## sample9541 11.554713 10.561405 10.537435 9.803380
## sample9542 8.094319 9.430220 9.745978 7.989439
## sample9543 10.359268 13.071690 10.696482 13.046908
## sample9544 7.880598 8.599860 13.202815 10.492453
## sample9545 8.705282 11.668160 11.544273 7.910037
## sample9546 10.712767 12.063625 6.456255 12.930251
## sample9547 11.304803 4.814547 12.734638 6.715111
## sample9548 8.351378 6.899066 12.279129 6.888004
## sample9549 9.215454 10.854822 8.174567 10.244667
## sample9550 9.548325 8.410911 9.085645 8.688881
## sample9551 11.047903 12.823350 10.295928 6.942975
## sample9552 12.865439 9.653264 10.689807 12.548355
## sample9553 11.324311 7.914716 10.352260 6.849692
## sample9554 6.218105 9.497060 9.574431 12.158772
## sample9555 6.562683 8.486501 9.975011 12.274977
## sample9556 12.233954 8.873913 11.508705 10.443131
## sample9557 10.917765 13.086176 11.775399 12.228942
## sample9558 8.044869 11.902589 11.749409 9.836959
## sample9559 5.453932 10.728765 11.972578 11.163713
## sample9560 11.500180 12.323348 8.895006 11.740862
## sample9561 8.326876 8.868472 7.617096 11.353124
## sample9562 13.049031 10.373476 8.411864 12.703570
## sample9563 10.705275 10.499366 9.172462 5.870640
## sample9564 9.787847 10.493487 10.007806 11.687720
## sample9565 11.659080 12.689267 9.855409 8.984870
## sample9566 11.953836 10.092235 11.219209 11.586487
## sample9567 10.473050 9.762754 9.560321 12.762886
## sample9568 10.556336 9.602533 11.094289 12.262957
## sample9569 12.865468 9.252201 9.353731 11.418695
## sample9570 8.192770 9.592956 8.095238 9.541836
## sample9571 11.484116 9.700353 11.541687 8.087909

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## sample9572  7.226119 10.452766 10.675247  8.271635
## sample9573 11.677633  9.419735  8.655718 10.329117
## sample9574  7.835506  7.559265  7.567684  9.074975
## sample9575 10.993292  8.423190 11.228126 12.150714
## sample9576 13.757719  8.942533  9.766182  6.659758
## sample9577  6.943312  6.388772 11.192491 10.782725
## sample9578  8.065210 10.483212 10.128948 11.783905
## sample9579 12.679433 11.074525 12.043236 12.417890
## sample9580  9.892021 10.482427  9.774766 14.901040
## sample9581  8.436605  6.850599 11.171396  6.265565
## sample9582  8.319041 13.818524 10.858796  6.917191
## sample9583 12.866900 12.849745 11.637573  9.917112
## sample9584 10.692599  6.469149  9.344679 11.884292
## sample9585 13.309685 11.358212 10.861929  8.963506
## sample9586  5.364804 10.394558  8.052260 10.357743
## sample9587 11.159898  9.287995  6.024529  6.450274
## sample9588  9.902173 10.987625 12.090467  6.977864
## sample9589 13.117061 12.288117  8.002273 11.488891
## sample9590 10.701056  9.012286  7.096115 11.411987
## sample9591  5.437992 12.511169  7.131326 10.910826
## sample9592  8.648316  8.967358  7.454120 11.108462
## sample9593 10.570660  9.871396  6.952276  9.396729
## sample9594  9.905422  9.701160  9.897685 10.446778
## sample9595 10.063993  8.971158  8.703334 10.908663
## sample9596 11.705681 12.371029 10.848693 10.486563
## sample9597 12.452367 11.051460 10.903365 11.273222
## sample9598  9.569519  7.596195  8.469616 10.698541
## sample9599 13.165363  9.289790  7.817350  8.538499
## sample9600  9.794115  9.699888  9.409140  6.210331
## sample9601  9.636637 13.785277 14.896408  9.017334
## sample9602  9.651245 12.863814 11.130477 10.449917
## sample9603 11.613439 11.583719  8.679802 10.740963
## sample9604 10.644875 10.136586 12.624025 12.893782
## sample9605 11.731366 12.985076 10.036251 10.557291
## sample9606 13.438049 11.994247 10.473316  9.772453
## sample9607  6.128762 11.089175  8.287137 11.190287
## sample9608 10.597938 11.315647  9.671147 11.080357
## sample9609 11.150425  6.300355 10.367799 10.857269
## sample9610 10.682528 12.146831 10.309607  9.725973
## sample9611 12.168788 10.297455  9.273345  7.475599
## sample9612 12.353788 10.913123  7.234440  6.100093
## sample9613  9.813600  6.337943  9.251996  6.659289
## sample9614  8.371433  9.770555  8.958358  8.662369
## sample9615 10.555521  5.841009 11.173213  9.857399
## sample9616 13.775638 12.981469  8.100934 15.104556
## sample9617 12.513533 12.903254 10.978840 12.589394
## sample9618  7.692291  7.552404 10.872154  8.750148
## sample9619  7.579062 11.044442  8.770631  7.972122
## sample9620  5.022843  8.038963 13.285512 10.096977
## sample9621 11.763897 16.126247  9.461939 10.417450
## sample9622  6.503780  6.864882  9.545190  9.066897
## sample9623 12.499451 11.787745 11.233220 11.799308
## sample9624  8.313479  8.641392 10.715524  8.682309
## sample9625 11.476588 11.378377 12.148498  8.174453

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## sample9626 10.884160 10.036492 9.245406 13.548478
## sample9627 10.913336 10.883221 9.391764 12.469698
## sample9628 11.763162 10.457857 6.530639 5.480138
## sample9629 11.547284 10.284595 10.378460 9.035779
## sample9630 5.052107 8.991680 9.428924 10.150525
## sample9631 9.891310 12.808707 8.981472 6.986536
## sample9632 12.001249 10.712194 10.633132 10.516049
## sample9633 7.824919 8.336101 10.796243 11.479326
## sample9634 7.149749 9.295638 8.429831 9.265965
## sample9635 9.128334 9.823267 8.152945 12.174796
## sample9636 12.039226 9.158496 10.722245 12.549994
## sample9637 9.409949 8.342290 10.563020 6.756762
## sample9638 13.487368 10.870240 9.271002 9.329001
## sample9639 9.014011 10.225555 10.487055 5.803917
## sample9640 9.700594 9.328878 8.527100 11.593393
## sample9641 8.564355 7.740398 11.238821 13.207571
## sample9642 14.313521 10.840385 6.707272 10.037522
## sample9643 11.643990 11.489313 6.515953 9.884017
## sample9644 13.624965 9.023549 11.701236 12.191812
## sample9645 10.401305 10.309039 9.502671 7.730668
## sample9646 11.142726 7.190730 7.969776 14.099178
## sample9647 10.183407 12.700015 11.308161 10.047983
## sample9648 10.061743 11.165677 11.366049 9.381549
## sample9649 11.595942 8.720929 12.422115 14.643359
## sample9650 7.659710 11.505364 9.408340 9.236747
## sample9651 9.949978 9.302650 12.837460 11.051305
## sample9652 9.503571 15.809014 7.693702 9.720629
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## sample9657 8.358470 9.620155 10.746227 13.984588
## sample9658 10.492559 10.874797 10.791329 10.089594
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## sample9663 10.566230 9.181257 9.298246 8.692981
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## sample9665 11.394068 9.647861 10.423754 8.629705
## sample9666 10.588914 7.588315 11.471489 8.564968
## sample9667 13.828283 9.170222 10.935966 10.281776
## sample9668 11.334999 11.427310 9.831860 9.957402
## sample9669 11.113042 8.546351 8.194620 10.530967
## sample9670 9.860524 8.318273 9.864100 10.873636
## sample9671 9.819255 11.248331 7.838615 8.682718
## sample9672 8.952418 11.834457 9.700749 11.046160
## sample9673 11.198129 6.093155 8.736502 6.412029
## sample9674 10.039799 10.431781 11.677845 8.364370
## sample9675 9.962602 11.380529 12.185785 5.983535
## sample9676 11.706559 10.256165 9.281410 11.077442
## sample9677 10.499865 9.557949 5.341527 8.438626
## sample9678 12.414167 12.123141 12.138351 7.906468
## sample9679 9.861716 12.618762 9.643287 12.899992

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## sample9680	10.790604	10.535587	8.492948	7.124115
## sample9681	10.978936	9.607751	9.876788	11.144154
## sample9682	8.687568	9.055982	7.303092	6.311125
## sample9683	7.507057	9.306042	8.756262	7.048461
## sample9684	9.647525	12.721726	9.333587	9.630860
## sample9685	11.864528	8.872411	9.519010	11.625446
## sample9686	13.792721	9.482216	12.016216	11.063909
## sample9687	9.212511	10.624893	9.470247	9.456048
## sample9688	11.575491	8.475248	11.073965	7.835169
## sample9689	10.445737	10.313454	6.588767	11.578325
## sample9690	13.280282	6.889280	12.039017	7.927236
## sample9691	13.329523	7.589712	10.953288	9.119902
## sample9692	7.279392	11.920062	8.657371	13.961763
## sample9693	7.739733	10.478768	11.760797	10.381183
## sample9694	11.485825	11.523863	10.748059	12.167681
## sample9695	12.108186	8.950524	9.194180	9.432660
## sample9696	8.613053	11.129734	10.660006	9.739973
## sample9697	11.626112	11.366039	9.975968	10.205548
## sample9698	9.675348	11.789774	10.793021	9.277265
## sample9699	9.227373	8.150185	8.077463	11.979598
## sample9700	7.725693	12.348467	12.584413	8.765602
## sample9701	10.933170	9.402820	7.143799	12.233677
## sample9702	7.914275	10.604621	11.256918	11.285564
## sample9703	10.649616	10.461090	12.494367	6.460212
## sample9704	10.188414	13.816291	12.873735	9.989497
## sample9705	10.938999	7.033832	11.734220	6.905135
## sample9706	11.005988	8.562384	6.917504	8.393559
## sample9707	11.162459	11.525181	6.683023	9.679499
## sample9708	12.341579	10.896464	8.521683	10.023926
## sample9709	11.300464	6.489342	8.121459	7.340450
## sample9710	12.484963	10.256113	12.712647	12.008023
## sample9711	11.838283	9.530058	12.678249	8.940655
## sample9712	12.259794	7.508331	12.443005	9.557110
## sample9713	7.579422	10.791976	7.579449	9.153584
## sample9714	11.662187	14.601185	12.316400	9.625208
## sample9715	9.097933	10.945372	9.256167	6.764808
## sample9716	11.297915	10.957777	11.153133	10.140865
## sample9717	14.702385	11.450364	9.632510	8.869446
## sample9718	10.632058	11.508347	8.128661	11.441708
## sample9719	11.977726	8.352412	9.668521	11.802301
## sample9720	8.119135	8.257944	7.686556	11.589341
## sample9721	14.858097	7.323507	9.806098	10.208237
## sample9722	10.290600	9.042669	8.301241	10.282371
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## sample9725	9.742710	10.169550	9.025343	12.449565
## sample9726	7.307183	7.780221	14.280722	8.705510
## sample9727	13.887131	7.561940	13.749906	8.991694
## sample9728	8.033177	9.126625	11.674280	7.325891
## sample9729	12.165940	8.816471	8.880997	12.381931
## sample9730	11.244868	4.597027	9.550466	8.349083
## sample9731	8.445984	8.017889	11.610008	12.132239
## sample9732	8.390935	8.768732	9.050044	7.297440
## sample9733	7.943238	10.757154	8.448021	8.674221

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## sample9734 13.276189 8.239031 8.703532 13.871766
## sample9735 9.703642 11.206143 10.811404 12.009739
## sample9736 10.209565 8.933308 12.382495 13.956837
## sample9737 12.826093 5.135699 13.378898 8.917826
## sample9738 11.042459 8.564670 7.303176 9.515812
## sample9739 11.543207 8.170316 8.691756 12.275231
## sample9740 9.011319 11.189652 10.179053 9.905520
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## sample9742 12.383640 12.661383 8.254388 14.879022
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## sample9746 10.091689 8.960591 10.356455 9.114218
## sample9747 11.177322 11.159287 8.541572 7.030519
## sample9748 9.590805 10.130980 11.932247 8.371812
## sample9749 9.452468 9.732231 6.634424 10.015586
## sample9750 9.880380 10.800378 9.321614 9.193524
## sample9751 7.299247 13.828678 13.274454 11.726008
## sample9752 8.481790 9.731836 7.714333 11.263730
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## sample9754 12.676232 10.509591 14.460037 10.388836
## sample9755 12.942895 10.763442 10.836158 6.672681
## sample9756 10.614967 7.074726 7.966337 10.106548
## sample9757 10.709562 8.380010 10.755499 8.961290
## sample9758 9.409782 9.968619 7.717497 11.247023
## sample9759 10.447362 8.425636 10.413386 9.333675
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## sample9761 6.932119 12.197418 8.624461 8.773713
## sample9762 11.751276 11.112636 10.966805 13.711432
## sample9763 10.320596 12.150877 12.414019 9.356149
## sample9764 10.570231 7.760669 11.147304 6.157582
## sample9765 8.503781 12.127248 11.571701 12.069940
## sample9766 9.470622 10.175977 11.210847 7.170467
## sample9767 14.651584 12.568831 9.153662 11.394502
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## sample9769 11.123648 10.821900 8.978816 11.726340
## sample9770 9.678247 11.333029 10.089289 10.726442
## sample9771 7.411787 13.649435 9.938253 7.588094
## sample9772 13.807012 9.530075 9.342327 7.008034
## sample9773 6.213781 10.713886 8.006197 8.592105
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## sample9777 10.296350 10.029537 9.321221 9.045510
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## sample9780 10.058756 7.459053 10.272022 9.639789
## sample9781 13.068213 11.342854 8.345184 6.927019
## sample9782 9.335834 10.747719 12.637375 9.911852
## sample9783 9.527212 9.267897 10.607110 8.741332
## sample9784 10.581659 9.343277 10.263827 10.125728
## sample9785 11.842706 8.705120 8.066761 11.976114
## sample9786 11.201187 11.049102 9.959415 11.474982
## sample9787 10.218206 11.958651 10.017858 12.888565

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## sample9788  9.343736 11.936954  6.603291 10.173566
## sample9789 11.915376 10.495179  9.262574  7.699507
## sample9790 11.538365 10.788088 11.388673 13.135234
## sample9791  8.940335  9.314703  9.939618 10.069267
## sample9792  7.864371  5.149804  9.382478 13.747306
## sample9793  8.996650  9.314978  8.273391 14.149347
## sample9794 11.441375  9.362378 14.738274 10.924068
## sample9795  9.036650  9.110407  6.426127 12.101822
## sample9796  7.707488  9.887861 11.621841 12.127494
## sample9797  9.990290  6.585203 12.856004 13.418163
## sample9798 11.508521  9.305397 10.413985 12.924271
## sample9799  9.499890 11.989644 12.320294 10.573975
## sample9800  9.343858 13.174517 14.133013 11.012140
## sample9801 14.152351 10.910488  7.696184 10.489155
## sample9802  8.991777  9.895173 10.841380 13.003581
## sample9803  9.448506  9.130241 11.935492  8.602639
## sample9804  9.412354 11.949236  9.452583  8.086197
## sample9805 12.502116 11.289780 10.521275 10.996234
## sample9806 10.980496  9.607072  8.598483  8.298786
## sample9807 11.638165  7.632994 10.073950  7.492860
## sample9808  9.376827  7.342235 10.306028 12.693109
## sample9809 10.320527  9.965349 11.477367  8.450368
## sample9810 10.033722  8.104221 11.746165 10.871455
## sample9811 13.558616 11.494624 10.304486 10.684375
## sample9812  9.434665  8.425884 13.678054  6.954428
## sample9813  9.208234  9.857492 10.997581 12.183867
## sample9814 10.839974  8.260603 12.834260 10.136178
## sample9815 10.795405  8.399964  9.890089  9.212148
## sample9816 10.941860  9.628137  8.881413  7.490678
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## sample9818 11.310107 10.278581  6.671899  8.870813
## sample9819  8.250693 11.423191 12.216967  9.944094
## sample9820  9.550420 11.073022 13.512341  8.781412
## sample9821 12.511284  9.596817  8.751379  6.712960
## sample9822  8.630383  8.898468  7.687082  9.281376
## sample9823 10.872851 15.771703  6.469171 13.232326
## sample9824 11.154796 14.109147 11.261543  9.871455
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## sample9826 13.276672  6.647082 11.008669 11.917066
## sample9827 10.986299  9.098297 10.365772  6.212967
## sample9828  7.834087  7.434623  6.496275  8.599234
## sample9829 10.159029  8.310702  9.417349  8.911971
## sample9830  9.747014 10.747552 11.618259 12.217376
## sample9831  7.483636 11.045025 11.569774  9.005406
## sample9832  8.679236 12.377143 10.013771  9.071847
## sample9833 10.573073 11.156944  8.046199 11.452378
## sample9834  9.599069  9.499135 11.031068 13.909706
## sample9835  9.899518  9.941598  9.836004  9.233419
## sample9836 10.814167  4.992500 11.962033  7.521491
## sample9837 10.443843 12.692447 13.274941 14.890622
## sample9838  7.174445 12.617869 11.229308  7.652384
## sample9839  8.097522  8.474378 10.487586  9.766665
## sample9840  9.332509 10.325730  8.786881  8.506849
## sample9841 11.669603  9.530083 11.342339  8.612423

```

```

## sample9842  9.761863 10.065505 11.413527  6.865987
## sample9843  7.058794  8.384753 14.603267 14.461820
## sample9844 11.628254 14.554966  8.147028  9.193472
## sample9845 11.162659 11.201282  7.357224  6.493193
## sample9846  4.320988  6.810070  9.025693 11.636041
## sample9847  9.287419  8.639397 10.918170 10.364733
## sample9848 10.346295 12.067125  8.610567  8.704503
## sample9849  9.116789 13.080123  9.975183  6.631905
## sample9850 10.081256  9.528171  9.767305 10.468023
## sample9851 13.463795  8.070529  9.179932 11.544009
## sample9852  9.597647 10.848780 11.328730  9.864315
## sample9853  8.955090 10.140286 10.884284 14.320133
## sample9854  8.884111 10.777695 11.032412 10.516160
## sample9855  9.497291  9.034606  8.132390  9.527646
## sample9856  9.181403  9.393891 11.826483 12.068471
## sample9857 12.270524 10.456822 11.516343 13.719145
## sample9858  9.883346  7.377222 10.918329  8.858104
## sample9859 11.638979  7.698165  9.479690  9.035719
## sample9860 11.356486  9.302564  6.681026  9.042421
## sample9861 11.170628  7.792721 10.668668 10.621129
## sample9862 13.277691 11.420165 11.037078 10.663596
## sample9863  7.737165 11.529930 11.505432 11.237369
## sample9864  9.402760  6.200541  9.806394 10.560513
## sample9865  9.544303  3.339863 10.902011  8.740130
## sample9866 10.258723 11.339643  9.641717  9.857995
## sample9867  7.879526  9.827516  8.633695 12.269123
## sample9868  9.699600 11.740590 10.818642  7.349280
## sample9869  9.781990 11.434404 12.541413 10.835300
## sample9870  8.987163 10.936232 10.016045 11.552094
## sample9871 11.451089  9.588929  9.697910  9.840298
## sample9872 10.910598 12.612016 11.909741  9.824290
## sample9873 10.274286 10.094800  8.592712  7.689454
## sample9874 10.862180  9.291995 12.917935 10.092739
## sample9875 10.376415 10.885085  6.781533 10.245899
## sample9876 11.983637 12.118854 10.129144  7.083500
## sample9877 10.931995  8.114456  8.595686  7.869451
## sample9878 12.247608  8.344797 11.454612 14.180616
## sample9879  9.294215  8.039172 11.007493 10.777737
## sample9880 13.553870 12.494477 11.511749 12.347663
## sample9881  9.770577 11.973590 10.243056  7.368632
## sample9882 10.291143 10.198979  9.855281  7.297315
## sample9883  8.096987  9.472840  8.788840 10.588015
## sample9884  9.556965  8.923244  9.551969 11.154808
## sample9885  9.269693  5.480571  8.911410  9.843098
## sample9886  9.820668  8.894266  9.103553 12.838289
## sample9887  9.682878  9.085517  8.027318 10.489495
## sample9888 11.351087 14.318775 12.750873  9.526863
## sample9889  8.807574 13.357006  8.943447 10.441911
## sample9890 10.020540  9.543581 10.348788 10.742431
## sample9891 11.481009 10.852841 10.621040  8.292685
## sample9892 12.193336 14.409287 10.013010  8.652724
## sample9893 10.455060 11.873466 11.800777 10.678038
## sample9894  8.920076  7.859404 10.305676 11.251584
## sample9895 10.453270 11.681503 12.100047  9.771368

```



```

## sample9896 13.942967 10.857713 8.283051 10.848529
## sample9897 9.775402 10.926415 6.606972 11.349927
## sample9898 12.774810 11.125924 10.931221 8.771235
## sample9899 8.851292 9.758790 11.215873 13.057153
## sample9900 11.102232 10.052344 3.862846 9.310011
## sample9901 10.483306 9.560374 10.651697 16.665654
## sample9902 12.328147 8.222484 12.678309 11.055137
## sample9903 12.652491 6.925077 9.947254 9.078137
## sample9904 9.679398 11.425098 13.024650 8.923105
## sample9905 11.406267 10.839002 11.211155 12.244956
## sample9906 9.382363 11.109001 11.546025 12.048486
## sample9907 8.306545 9.177436 8.793141 10.687225
## sample9908 6.256397 9.122563 10.847422 11.299775
## sample9909 9.590001 12.087259 7.583590 13.930368
## sample9910 10.625652 8.866469 8.559583 10.223246
## sample9911 12.755576 9.016416 10.041152 10.299808
## sample9912 7.660073 7.710752 9.981268 9.726711
## sample9913 8.121463 7.093099 7.665707 8.292007
## sample9914 9.372445 6.420436 11.770023 11.465625
## sample9915 7.470794 7.967420 9.766042 9.534459
## sample9916 9.721193 11.526972 8.636767 12.976708
## sample9917 9.775862 9.398448 10.804613 8.455384
## sample9918 9.046171 7.772552 12.214912 11.444653
## sample9919 9.046158 9.824718 13.315581 10.200364
## sample9920 9.509004 10.773616 11.952620 9.255665
## sample9921 11.850408 14.138463 9.358637 10.047606
## sample9922 8.928332 11.093315 9.489149 10.151676
## sample9923 10.120078 12.851809 10.249665 11.123001
## sample9924 7.817962 9.179222 9.709198 10.322280
## sample9925 9.303312 9.707654 9.343876 10.800596
## sample9926 9.273424 11.966501 7.972986 13.150602
## sample9927 13.377471 8.646893 10.255329 10.971598
## sample9928 13.393819 8.098551 7.853402 9.001436
## sample9929 11.165443 10.205362 13.946562 9.543341
## sample9930 11.776497 10.544397 12.548153 12.486796
## sample9931 8.598590 13.110653 8.365040 10.528883
## sample9932 8.393407 10.186227 13.711713 7.231161
## sample9933 12.889714 9.079223 8.368105 12.247160
## sample9934 9.221255 8.623478 12.047211 9.434289
## sample9935 11.274071 8.962497 9.473583 10.984625
## sample9936 10.948198 11.873227 9.469045 9.091330
## sample9937 7.989302 9.595354 10.940102 7.987004
## sample9938 8.898191 11.997427 8.180264 10.531107
## sample9939 9.151210 11.193250 8.367434 14.710621
## sample9940 12.504856 11.915177 10.361269 8.814690
## sample9941 10.684108 5.586188 13.840189 10.961045
## sample9942 8.357209 15.037579 9.454194 13.272439
## sample9943 7.336661 8.115344 12.820841 13.113578
## sample9944 10.761435 9.100173 11.643215 13.063206
## sample9945 10.300385 8.161395 7.186519 11.025969
## sample9946 10.938562 7.621188 9.143428 8.972411
## sample9947 12.773696 9.698823 8.881589 8.088536
## sample9948 9.049509 7.653228 11.415353 14.792095
## sample9949 7.898732 11.410737 10.337753 11.719021

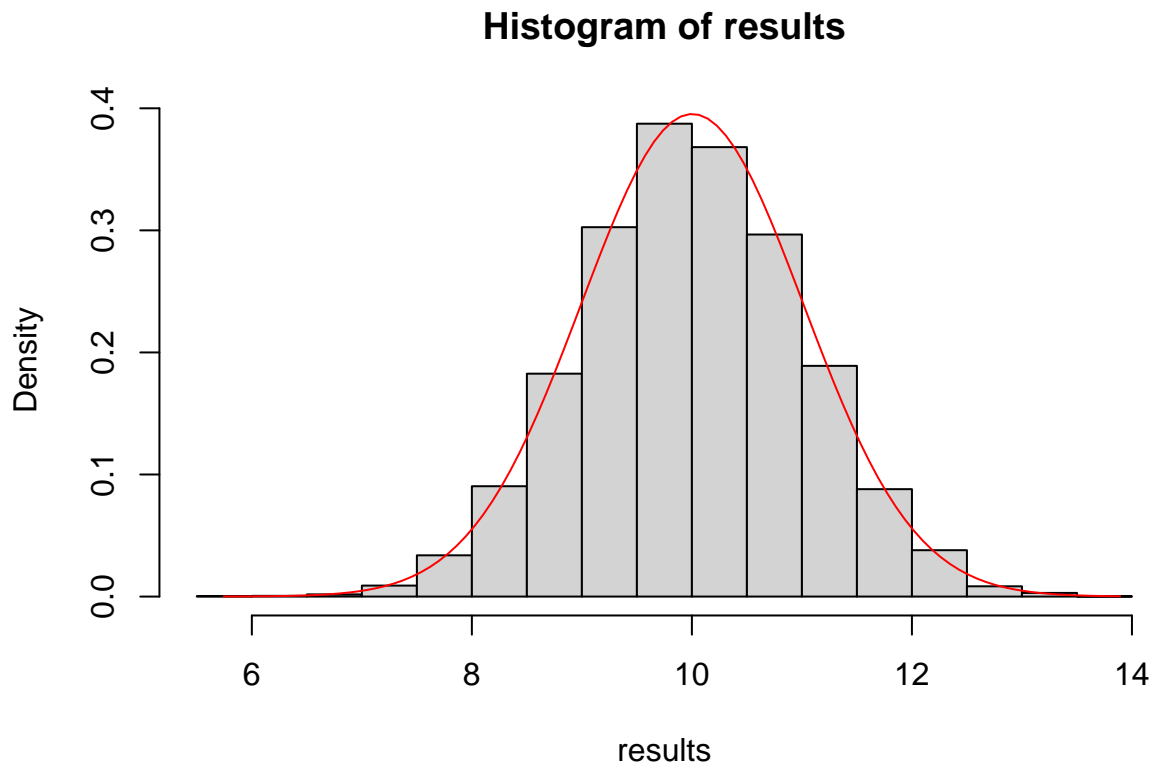
```

## sample9950	10.320965	6.373275	8.981975	7.264294
## sample9951	12.416116	9.640348	6.613622	7.620852
## sample9952	7.725601	9.735605	6.080355	11.104286
## sample9953	9.234518	7.493255	8.159515	6.843760
## sample9954	11.588670	7.460014	9.605008	9.022906
## sample9955	11.783722	10.234697	7.790611	11.513611
## sample9956	11.410966	14.561692	12.241989	11.934953
## sample9957	5.905247	7.424678	11.656470	9.771411
## sample9958	9.845590	10.773224	13.741247	13.412960
## sample9959	12.307688	10.087843	10.060621	7.420372
## sample9960	9.882170	7.520119	7.414591	9.285396
## sample9961	10.404678	9.949073	12.551608	10.889957
## sample9962	8.989707	8.158518	14.726527	10.001338
## sample9963	10.081312	8.334097	11.750028	9.265060
## sample9964	9.553802	9.395645	9.619400	8.413705
## sample9965	6.244178	13.719472	8.884139	7.206985
## sample9966	7.373929	9.438070	11.626935	8.388097
## sample9967	11.203709	7.959452	11.472906	8.164647
## sample9968	10.264008	12.639881	8.624979	10.590830
## sample9969	7.473319	10.301186	13.711433	12.774950
## sample9970	12.457319	8.627836	10.107086	10.548775
## sample9971	7.971799	11.260980	8.532605	13.295404
## sample9972	7.762344	9.663060	9.936081	8.509586
## sample9973	8.958382	9.110415	10.609835	11.269445
## sample9974	10.324185	11.192851	10.105899	12.822379
## sample9975	10.607556	4.069958	9.962182	10.436127
## sample9976	9.094220	8.802446	10.751152	9.212446
## sample9977	10.447859	8.666864	11.237513	10.078869
## sample9978	10.354057	9.957588	5.737143	8.773540
## sample9979	9.226495	9.241657	10.716446	9.193381
## sample9980	12.097335	7.232543	14.980725	8.534894
## sample9981	9.347496	10.913492	9.426995	9.413466
## sample9982	11.284318	11.943651	9.583113	10.309751
## sample9983	10.296183	13.300511	8.184909	10.481445
## sample9984	11.761166	7.578351	12.451225	6.266290
## sample9985	9.212494	12.424991	11.831889	9.266417
## sample9986	10.615061	9.402955	10.199225	9.731567
## sample9987	8.093441	9.674394	14.121277	8.260769
## sample9988	11.730305	7.048927	9.212849	8.856163
## sample9989	9.996216	8.297766	9.789038	10.928316
## sample9990	11.736572	13.437268	13.769424	10.864478
## sample9991	12.284348	9.851792	8.484461	8.860422
## sample9992	9.155983	8.612766	11.754726	13.321761
## sample9993	10.693374	8.175817	7.529571	6.670083
## sample9994	9.319551	9.603022	10.118413	10.407712
## sample9995	8.059074	10.186582	8.727024	10.571160
## sample9996	10.436107	10.295781	10.214301	11.376600
## sample9997	10.968402	11.096099	9.257123	11.400166
## sample9998	7.735811	10.659523	9.695602	14.370347
## sample9999	9.877047	9.414189	6.446423	10.925600
## sample10000	9.182387	9.908098	8.886603	10.938417

```
#results
```

Now, we plot the histogram of all simulated values of the test statistic T , and compare it to a Normal distribution, with μ and σ approximated by the average and standard deviation of all simulated values of T .

```
hist(results,prob=T)
curve(dnorm(x,mean=mean(results),sd=sd(results)), from = min(results), to = max(results),add=T,col="red")
```



```
#curve(dnorm(x,mean=mean(results),sd=sd(results)), from = 4.5, to = 12.5,add=T,col="red")
```