

Applera microarrays quality control and data filtering

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1 Introduction

The `applera` package is an environment for data analysis and exploration of Applied Biosystem AB1700 oligonucleotide arrays.

1.1 Applied Biosystem arrays generalities

The Applied Biosystem arrays are single channel oligo arrays developed for human, mouse and rat genomes. Probes are 60mers oligonucleotides. Probes are located within the last 1500 bp of the transcript end. Whenever possible, a unique probe is designed to detect all different isoforms of a gene. Probe mapping to human, mouse and rat genes can be extracted from the PANTHER database: <http://panther.appliedbiosystems.com/>

In these arrays chemiluminescence (CL) is used to measure gene expression and for quality control. On the other hand fluorescence (FL) is used to auto-grid, and normalize every feature in a way independent from gene expression signal. Chemiluminescence signal is generated by cDNA/cRNA labelling with digoxigenin (DIG), by RT or by RT/IVT approach. The quantification of the amount of DIG label cDNA/cRNA hybridized on probes is based on the use of an anti-digoxigenin antibody labelled with an alkaline phosphatase. Feature (spot) characteristics (size, homogeneity, etc.) is evaluated using a unique 24mer fluorescence dye

(Liz Dye labeled oligo), co-spotted with gene specific oligo. The Liz Dye signal is used as internal control to normalize chemiluminescence.

Applera arrays are characterized by the presence of:

Labeling controls , which are used to monitor enzyme activity and DIG incorporation during the labeling protocols (RT - bacterial genes -, IVT - linearized plasmids -).

Hybridization controls , which are used to monitor mixing, stringency, and washing during the array hybridization protocol (pre labeled DIG target).

Chemiluminescent controls , which are used to demonstrate that the CL reaction chemistry is performing well during the assay (DIG labeled oligo co-spotted).

2 Data structure

The `aplera` package contains the `readAp` function that allows to read tab delimited files generated by the AB1700 instruments. Each array readout should be described by a tab delimited file containing the following columns:

ProbeID , the probe array identifier

GeneID , primary Ids associated to spotted probes

Signal , the CL signal normalized by the FL signal over the feature integration aperture. See AB1700 manual.

SDEV , which is an estimate of measurement uncertainty of Normalized Signal. See AB1700 manual.

CV , which is the fraction of uncertainty in the signal. Cv indicates the predicted spread of feature signal. See AB1700 manual.

S/N , which expresses the confidence of feature detectability. See ABI1700 manual.

Flags , which is a numeric code that identifies conditions for each feature. It allows to eliminate possibly problematic data. Features with flags greater than 100 might have quality issues. See AB1700 manual.

This array-specific tab delimited file can be easily created using the AB1700 software.

The function `readAp` needs two arguments:

- A `phenoData` file containing as rownames of the covariates the names of the files to be uploaded by the function.
- The organism identifier ("Hs.v1" or "Hs.v2" for human, "Mm" for mouse or "Rn" for rat).

The `readAp` will read all the files present in the R working directory using the information available in the `phenoData` file. The function will select the correct size of the array on the basis of the organism identifier and it will create an instance of the `aplera` class. The slots of this object are:

Organism , an `character` object

Geneid , an vector object

Signal , an exprSet object

Sdev , an exprSet object

Cv , an exprSet object

Sn , an exprSet object

Flags , an exprSet object

Ctrl , an list object

All slots up to Flags refer to gene probes as instead the Ctrl slot refers to all Applera controls, which can be used for quality control, although fuctions performing quality control based on Ctrl features are not yet implemented.

An object of the **applera** class (**test**) is available as data file:

```
> library("applera")
```

```
KernSmooth 2.22 installed
```

```
Copyright M. P. Wand 1997
```

```
> data(test)
```

```
> test
```

```
An object of class "applera"
```

```
Slot "exprs":
```

```
<0 x 0 matrix>
```

```
Slot "se.exprs":
```

```
<0 x 0 matrix>
```

```
Slot "description":
```

```
An object of class "MIAME"
```

```
Slot "name":
```

```
[1] ""
```

```
Slot "lab":
```

```
[1] ""
```

```
Slot "contact":
```

```
[1] ""
```

```
Slot "title":
```

```
[1] ""
```

```
Slot "abstract":
```

```
[1] ""
```

```
Slot "url":
```

```
[1] ""
```

```
Slot "samples":
```

```
list()
```

```
Slot "hybridizations":
```

```
list()
```

```

Slot "normControls":
list()
Slot "preprocessing":
list()
Slot "other":
list()
Slot "annotation":
[1] ""
Slot "notes":
[1] ""
Slot "phenoData":
An object of class "phenoData"
Slot "pData":
NULL data frame with 0 rows
Slot "varLabels":
list()
Slot "varMetadata":
NULL data frame with 0 rows
Slot "Organism":
[1] "Mm"
Slot "Geneid":
character(0)
Slot "Signal":
An object of class "exprSet"
Slot "exprs":
      MA001I9  MA000VO  MA0019Y  MA000UR  MA001I7  MA001D0
297784 16.229198 17.169065 15.161862 16.791070 18.797867 18.126274
297907  7.703350  9.938727  8.090483  7.389223  8.282301  8.213639
297912 12.559336 13.339036 12.148677 12.331331 13.305733 12.871711
297935  8.665940  7.386725  8.632668  7.650406  8.579429  8.132371
297990  9.011227 10.297329  9.115174  8.991975 10.813517 10.477202
297993  8.239599  7.432291  7.067811  7.611836  8.577429  7.637929
298000 17.481582 17.527649 17.402276 16.217189 16.496959 16.244707
298038  7.868143  8.992797  7.715138  7.407608  8.728499  8.152640
298121  7.415404  8.859845  9.299002  7.274914  8.166264  7.830167
298130  8.983849 10.179300 10.192922  9.601102 10.449561  9.406141
298143 12.087184 12.643563 11.327985 13.466529 14.562250 13.954491
298150  8.358300  8.928814  8.541290  7.918625  9.802403  7.886855
298151  8.107479  9.395663  7.470293  8.538305  8.055879  7.818518
298155  7.865238  9.144735  9.558134  8.521247  9.314107  8.110092
298165 12.758733 12.738390 12.210653 11.642083 12.061145 12.599632
298174 11.074416 12.074402 10.644812 11.033760 12.253915 12.135100
298188  8.980568  9.974601  8.176173  8.880441 10.585704 10.280608
298200 17.237773 17.827008 16.688750 16.856603 17.455599 17.459690
298246 12.895657  9.099006  8.672920  7.203984 12.486712 12.717884
298248  7.758889  7.870919  8.559033  7.985500  8.753083  7.618386
298276 14.817164 15.372113 14.504550 14.129925 15.163118 15.053380

```

298312	8.126033	8.113013	9.421034	8.591485	9.813252	9.262753
298316	12.508377	13.229989	12.387377	11.999345	12.973782	12.553905
298331	12.145117	12.736804	12.250399	11.547680	12.761219	12.217776
298347	10.875281	8.814294	8.805292	8.427941	9.723934	8.687901
298367	10.534984	11.871116	10.333323	11.151017	11.440475	10.918707
298384	10.736436	10.867711	10.816056	9.845678	9.865146	10.711787
298422	8.253942	8.009885	8.363609	8.117124	8.958988	8.984333
298428	9.713301	9.657569	9.863273	10.157221	11.442648	10.654412
298431	7.769441	7.453353	7.763080	6.910253	8.695820	7.601028
298459	11.734930	12.810507	8.842885	12.197846	13.100258	12.045517
298460	8.636842	8.936432	8.686395	8.871012	8.619706	10.070765
298479	12.013877	12.377403	9.816280	12.341844	13.309206	12.421279
298518	9.474314	10.646478	7.415995	9.608698	12.065857	10.845129
298523	9.268285	9.380418	7.794936	8.300353	8.746817	8.253800
298527	14.940714	15.068606	12.852943	14.373339	15.483318	14.901874
298556	7.440869	10.200065	8.990955	9.789224	11.295941	9.366606
298558	15.167529	15.887590	14.834148	14.601139	15.713328	15.413951
298593	10.476665	11.188638	10.760662	10.510131	10.812947	11.082994
298594	8.063611	7.718567	8.408202	8.356012	9.956420	8.317955
298604	12.211271	12.702212	10.765808	11.301388	12.506848	12.402516
298614	8.308111	12.458278	8.196381	9.662686	9.610859	8.362821
298619	7.242793	9.799735	8.304739	8.316825	9.008345	7.618165
298631	13.013750	13.240086	12.950004	12.291199	10.810339	11.864914
298654	8.096188	8.574707	8.049413	9.071596	10.130506	8.885086
298655	13.456539	13.951342	13.061030	13.286848	14.618104	14.171507
298656	8.621173	8.323505	7.825468	6.970278	8.240457	10.047342
298704	11.130403	13.336278	10.296985	12.229816	13.314798	12.803500
298742	8.516764	9.231725	8.681168	9.141698	8.656818	8.177719
298746	8.354558	7.364660	7.940754	8.065174	7.918863	7.684538
298760	8.088576	8.852561	7.516803	8.344296	8.797986	8.154818
298761	9.864975	11.330637	8.493455	11.291015	11.752054	10.834021
298770	14.024171	14.469260	14.149706	13.392625	13.478768	13.463065
298771	7.990501	8.453806	7.693417	11.280487	8.621979	8.261766
298780	8.125052	8.084596	8.894787	8.115252	8.071033	8.086189
298785	11.465602	11.241477	10.675357	9.903897	8.986980	10.080058
298789	9.859426	8.070282	8.249303	8.076388	11.582438	7.909053
298811	11.341107	9.029011	9.070282	8.302685	9.390534	10.236863
298812	14.128029	12.258301	9.790625	11.112251	11.259932	11.087741
298816	13.832541	14.022464	11.714859	14.167096	16.027382	15.606486
298853	12.876860	11.905003	14.828070	11.454217	10.168246	11.140191
298861	8.836871	9.258330	9.426202	9.128484	8.261484	8.286974
298871	8.605702	7.477273	7.695924	8.434962	8.499288	8.643568
298882	8.873752	9.624009	8.742478	8.887190	10.418991	9.742764
298887	14.005328	14.430790	13.295888	13.434013	14.732839	14.459667
298923	13.302582	13.603031	12.753772	12.758519	13.726714	13.127198
298936	11.828363	13.329830	12.131503	11.136395	12.101198	12.214167
298941	9.948177	9.959611	8.310249	8.794351	10.327440	9.683012

299001	7.408117	8.251814	8.788164	7.713627	8.294483	8.528884
299110	9.230981	10.049263	8.749098	9.378403	10.126485	9.255406
299116	13.619585	13.763690	13.460947	12.819846	13.531903	13.122752
299125	7.682082	7.454998	8.328854	8.048160	9.079191	7.305150
299126	9.555126	10.394163	9.259320	8.292460	9.162190	10.358234
299127	8.585939	8.654779	7.741400	7.206917	8.706772	7.743959
299151	10.282382	9.170100	8.252287	7.557119	9.701722	9.694880
299157	9.599188	9.068026	7.447083	9.434232	8.491212	8.025250
299162	14.739240	14.463846	13.895819	14.695735	15.978419	15.314357
299172	8.210087	9.572359	9.079591	9.753919	9.445967	7.905688
299179	9.142464	8.464219	7.829152	10.504769	9.265896	9.321793
299205	10.807210	10.175961	7.854931	8.650729	8.983991	8.833206
299208	13.409639	13.709015	12.720888	12.476632	14.014657	13.518680
299212	13.872000	13.879594	13.579622	12.836161	13.403541	13.173825
299227	8.250725	8.748293	8.503349	7.415404	8.522464	7.778471
299231	11.075586	11.875715	10.085526	10.513925	11.110111	11.141188
299261	9.201707	9.422990	8.625782	8.775972	8.615188	8.236206
299270	9.232709	8.226894	8.115356	8.899266	9.359662	8.297879
299304	11.223489	14.335414	12.303923	13.091668	13.195218	13.553635
299322	12.364529	12.733293	13.242689	11.534245	11.253398	11.473406
299329	10.970307	11.538737	9.692110	10.308987	12.125669	12.244970
299330	13.298000	13.638617	12.496142	12.541808	13.554421	13.160243
299345	19.174983	20.003033	19.014052	19.354225	19.689892	19.796558
299366	8.123863	10.956456	9.404695	13.760523	9.450778	8.722364
299422	7.866352	6.719457	8.257482	7.675886	7.591560	7.806002
299424	10.598676	9.278031	9.513964	10.361001	11.114146	10.181053
299440	7.700648	7.722398	8.377991	8.481154	8.385776	7.624905
299458	14.225686	15.159970	14.160571	13.975060	14.779082	14.311843
299468	8.561975	7.739983	8.372734	8.538732	8.242269	8.519243
299513	9.501419	10.650020	9.108185	9.654887	10.564588	10.674563
299548	8.978968	10.219592	9.039029	7.556199	9.079085	8.027077
299554	7.113117	8.037712	7.446008	7.944917	8.249445	7.776236
299556	9.119564	8.010388	7.516803	7.644649	8.682995	7.874736
299559	8.594661	9.371232	7.457052	8.168321	9.135401	7.647674
299599	8.092863	7.908993	8.729791	7.671152	8.644938	9.345139
299604	16.346756	15.731661	15.974013	14.194671	14.960946	14.710860
299608	8.663629	10.317379	8.015861	8.952829	9.584042	7.907492
299615	7.299208	8.094658	7.592382	7.791879	7.752013	7.569932
299618	12.845792	12.882387	11.488342	12.170973	13.416303	12.825012
299626	8.472610	8.344118	7.656210	9.027464	9.224846	8.534809
299636	7.860901	8.648070	7.992938	7.867341	8.191059	8.561975
299661	8.646199	9.512385	8.276311	9.831846	8.303278	9.166063
299672	7.921008	8.603478	9.086853	7.808514	9.846054	10.477384
299674	13.739034	14.237582	13.110041	13.149842	13.644649	13.302615
299694	10.684328	11.594567	8.190862	11.865938	13.438823	13.054158
299731	12.483604	13.161809	10.982416	13.299272	15.154121	14.048514
299744	10.215205	9.863846	9.999831	10.341964	10.279378	9.475794

299780	7.563234	8.584436	6.992429	8.105280	8.778274	7.989196
299781	8.164052	7.270529	8.851780	7.764540	8.097505	7.607626
299789	8.238644	8.157044	8.337577	6.171127	8.141290	8.564645
299792	10.273306	10.892558	9.554781	9.345161	11.120238	10.944053
299800	7.573117	7.205060	8.910823	8.179163	7.988798	8.799346
299826	8.306745	8.212278	7.472650	8.406035	9.123682	7.872644
299844	13.532587	13.879479	12.964900	13.158458	14.662097	14.131817
299865	8.418991	7.957450	9.795195	8.248781	10.799006	9.815479
299883	15.226864	15.124177	14.427048	13.606410	14.510753	13.705379
299904	9.868838	8.724889	6.707911	9.033285	8.574745	6.927185
299915	11.965892	15.286434	13.395126	13.764382	14.139106	14.075282
299931	14.742937	14.553320	14.119269	13.370355	13.700678	13.891312
299933	9.683117	8.980511	8.194314	8.296687	8.480023	9.812274
299973	12.693646	13.261924	12.470003	12.634444	13.600207	12.955476
299990	8.803421	10.559368	9.006074	8.986838	9.874613	9.861273
299991	11.792563	12.361121	10.291873	11.200978	12.209322	11.989529
300026	15.992998	16.433441	15.899376	15.232715	16.178092	15.932158
300048	12.489236	13.661623	12.068348	13.070446	14.964161	14.251743
300051	9.281513	8.117591	7.763611	7.235536	8.509696	7.530835
300067	7.918327	8.568640	7.816024	7.198199	8.017978	7.695785
300089	9.559262	8.937992	7.449396	8.635682	8.812177	8.602179
300142	10.891943	11.239968	9.770367	10.269255	10.781737	10.842995
300199	10.621081	10.881030	10.147498	9.433627	10.256645	10.730266
300235	8.367764	9.302022	8.257152	8.115200	8.878143	8.342741
300258	16.758296	17.028740	16.985467	15.613683	15.305757	15.530535
300305	9.873690	13.609808	10.765551	11.925499	12.517957	12.301868
300312	13.491742	13.448835	12.683767	12.181882	12.978387	12.963013
300322	10.406992	11.887975	9.963156	11.155912	11.908892	11.482405
300327	10.642404	11.992471	9.758873	10.698896	11.471904	11.256669
300398	7.964572	8.062694	8.169274	7.710324	9.290388	7.492654
300400	10.333368	11.094295	10.505573	10.643766	11.088782	10.954611
300409	14.091924	13.999681	11.749006	13.950842	14.839690	13.530965
300422	7.817176	8.083160	8.015248	9.120627	8.268940	9.589239
300428	9.765120	10.831086	8.981025	10.879216	11.569414	10.692031
300505	12.180549	12.539023	11.393900	11.386234	11.923821	12.125068
300524	8.246456	9.560352	8.523523	9.916715	10.032018	8.574442
300530	10.640010	11.209252	9.414241	10.151181	10.937683	11.503060
300537	8.619303	11.736207	9.463667	9.970969	11.399289	9.080604
300542	8.208283	8.581653	7.074034	8.550093	7.712802	7.479295
300547	12.887447	13.425519	11.445072	12.901533	13.921640	13.619557
300553	12.742328	13.183040	10.926489	12.468609	13.760766	13.341484
300565	8.257953	7.726831	7.354822	7.535742	9.771489	8.348861
300596	10.862862	9.551112	9.772117	9.443503	9.946438	9.578958
300600	8.469235	8.973095	7.579090	8.114315	8.992853	8.315557
300605	13.862549	13.716016	12.910217	12.802920	14.341941	13.822247
300612	8.535586	7.374692	8.573382	8.441824	8.491332	9.010164
300627	14.990959	15.051073	14.277565	14.276320	15.656862	15.181049

300692	8.327283	7.911332	7.880747	7.018923	9.243888	7.609696
300722	9.455594	10.074101	9.496614	8.969905	9.615078	9.522895
300729	8.828454	8.814134	7.986070	7.724718	9.039330	8.014411
300748	8.509577	8.627716	8.490971	8.705909	10.070765	8.744867
300771	7.931269	9.075265	8.501240	7.468502	8.795033	9.139526
300813	10.703834	9.374083	9.273003	8.806421	9.399705	10.977910
300839	8.592569	7.276497	7.670302	7.552669	8.447538	8.413966
300853	8.084755	9.691429	8.936432	9.568811	8.839361	8.119097
300862	12.668136	13.010432	11.569856	12.049937	13.261570	13.025506
300890	9.390384	10.124819	8.419286	10.414738	10.101582	9.088470
300922	19.317801	19.163687	18.972475	18.545207	19.091881	19.015677
300961	11.856908	13.184410	10.365852	12.113934	13.417595	12.504891
300967	9.334631	7.596190	7.243079	6.690417	8.326295	8.688250
300969	8.093655	9.749970	8.146492	8.087092	9.340651	9.873459
301005	17.816401	18.794956	17.627818	17.553929	18.440035	18.224181
301015	9.747387	10.787535	8.780343	10.503826	11.860361	10.677182
301024	7.927482	8.378121	7.879338	8.559454	8.407438	9.227135
301035	14.734795	15.192336	14.335767	14.670949	15.468771	14.825249
301049	7.728193	7.906169	7.212958	7.561173	8.121896	8.833712
301054	10.485447	10.296996	9.845490	10.048691	9.096689	9.737298
301068	7.980311	8.147103	8.304329	7.654922	9.580692	10.442218
301070	8.408117	8.680606	7.975791	8.333692	9.048759	7.908513
301124	7.334050	9.251743	8.265005	8.779522	7.637132	8.447662
301139	8.162089	9.018923	7.979682	8.797499	9.211134	10.216916
301141	8.515660	8.211450	8.383315	7.730029	9.545370	9.683293
301143	11.246224	11.709131	11.675393	10.915491	11.674413	11.266810
301169	11.083034	10.737399	9.753752	10.530299	9.874566	9.900052
301171	7.998026	8.122414	7.760554	8.252192	8.600916	7.258802
301214	13.520764	14.764761	13.325308	13.284091	13.954455	13.572313
301218	9.656586	13.648250	11.544259	13.143409	12.742695	13.095385
301240	13.378065	13.432936	12.464676	12.195612	12.420450	12.278316
301266	12.596979	13.137484	11.656085	12.269360	13.466482	12.512355
301281	7.697107	8.860125	8.173827	7.984760	8.473178	9.453435
301306	10.598276	10.590718	10.074931	9.081324	10.037451	10.365305
301307	7.974013	7.317865	7.822794	7.641040	8.384309	7.258330
301313	8.196922	10.139423	8.775347	9.779490	10.254745	8.146696
301376	14.570059	14.649341	13.512808	14.394742	15.719305	15.256030
301377	7.833839	8.296916	8.171377	7.863257	10.246681	7.868761
301391	11.777185	11.469387	9.066170	11.244756	12.893582	11.612131
301393	8.184330	7.314425	7.884354	7.642052	7.842099	7.678987
301399	9.889975	9.886550	9.871767	11.183195	10.294311	9.634049
301410	8.338781	8.095133	7.966188	9.393433	8.807258	8.173727
301418	8.517315	8.943892	8.770168	7.940402	8.164605	9.165736
301448	8.311658	9.415066	8.332439	8.551900	8.930116	7.924278
301451	8.443980	7.213542	8.186808	7.542413	8.840841	8.108577
301490	8.099453	8.884781	8.740219	7.786204	8.533369	7.152995
301498	12.540729	13.371507	11.312174	12.019365	13.461298	13.063870

301506	14.232779	14.405952	12.675225	13.829007	15.094722	14.490746
301517	7.405227	7.980882	7.674192	7.739781	8.596749	7.968724
301554	9.988443	10.681950	9.414833	9.161308	10.996417	10.973532
301582	13.509332	13.835175	13.159960	13.027590	13.675176	13.393865
301606	9.819924	10.779194	12.110552	8.641221	10.415721	9.401413
301664	12.005849	12.966864	10.583562	12.364633	13.526322	12.823315
301691	15.520718	15.057055	12.309721	14.548509	14.938295	14.625080
301694	6.662205	9.110353	9.067300	8.714211	10.713258	7.874490
301736	8.154565	8.238214	7.629065	7.982480	9.059561	8.560677
301738	8.930028	7.967457	8.950877	8.015471	7.918148	7.855741
301782	14.956756	14.989128	13.649019	14.444071	15.568347	14.909790
301819	11.314804	11.673291	9.848263	10.634139	11.596427	10.902722
301828	15.245367	15.562117	15.105282	14.734391	15.070279	14.785479
301877	12.341060	12.347187	10.691124	11.089490	12.845782	12.271717
301916	8.378598	10.182531	8.112856	9.120471	9.186189	8.631541
301921	8.673344	9.939212	7.874182	9.533661	10.465444	9.661564
301932	9.091753	9.896363	7.822666	8.708842	9.696011	8.649400
301934	10.062181	9.027381	8.116136	8.112179	9.381435	8.237975
301947	8.499288	10.832336	8.367109	8.814166	10.131767	8.013797
301956	13.445907	14.352486	13.077702	13.176323	14.145151	14.066502
301972	10.796575	11.230375	10.408255	10.624530	11.294856	10.638680
301985	12.929785	13.741350	12.742053	12.260417	13.056577	12.920344
301994	11.454685	11.847053	11.272466	11.138790	11.619665	11.716374
301995	8.493015	9.472508	9.226653	8.030612	8.285911	9.658586
302054	10.449479	10.394859	8.772513	10.006887	10.752347	9.773733
302064	9.599987	10.503776	8.904183	9.822523	9.190319	8.792855
302170	12.252467	12.666251	12.308712	12.025579	12.800979	12.068711
302176	10.012764	8.598350	9.285240	8.569970	8.418106	8.747589
302207	7.760421	7.111344	8.615115	9.201266	9.228650	8.566701
302215	8.972233	8.032652	8.013016	7.597755	8.862730	8.408797
302224	8.181252	7.904785	7.047015	8.134529	8.732574	10.652128
302259	9.050474	10.837683	8.162039	8.995258	9.634339	9.684293
302279	18.342190	17.385674	17.991650	16.509837	16.228463	17.159970
302285	14.884778	15.509838	14.255405	14.423683	15.290639	15.152202
302309	8.477070	7.958205	8.673062	7.731387	9.205353	9.674422
302319	13.778430	14.605708	13.745582	13.896117	14.456675	14.181504
302328	16.491932	16.387632	16.073961	15.337407	16.165226	15.984209
302336	7.153501	6.908933	7.160577	7.608661	8.683977	7.469153
302342	9.250014	8.526343	8.489567	7.715550	9.167167	9.259955
302346	9.995979	8.199869	8.911991	7.077991	8.080338	7.585488
302365	9.831434	10.301256	8.352485	9.115772	9.679251	8.147765
302390	10.174002	10.270330	8.814262	11.103465	12.254391	11.128091
302412	9.773980	9.752916	8.632268	8.480911	7.553437	8.376603
302442	9.967154	10.515434	8.918297	9.385496	10.610194	10.573600
302450	11.222378	11.762527	8.263879	11.484511	12.080541	11.190331
302455	8.215630	9.388362	7.991182	8.112804	8.671647	8.738430
302463	8.103025	7.810829	8.110770	7.780638	7.964745	8.357728

302464	8.587440	8.276683	7.884781	6.798051	9.329101	7.312248
302488	15.146030	14.970999	14.440218	14.061853	14.760517	14.436984
302489	7.414981	6.904364	7.355439	7.310158	8.167870	7.807484
302490	8.617614	7.387070	7.984134	8.620036	8.934487	8.777222
302519	9.247833	8.648789	8.374170	8.271930	9.684784	10.442798
302539	8.732269	9.372038	9.236660	7.937580	7.792595	7.964283
302541	8.934340	9.123552	6.757690	9.223495	9.333580	8.407863
302579	8.504660	7.668247	8.403694	8.497053	9.044012	7.925703
302583	10.727716	12.088739	10.893878	11.434352	11.981011	11.932366
302585	10.355637	7.636552	8.297283	8.239789	9.031412	8.809832
302602	8.249303	8.524424	8.858168	8.279286	9.166188	7.643712
302611	7.978024	9.580786	7.202026	7.532005	8.643459	9.769044
302631	7.960871	9.039495	8.868205	9.744750	11.557904	7.606960
302644	8.863691	8.685169	8.417177	8.304009	8.376256	10.269863
302679	11.150122	11.630094	9.544192	10.688644	11.163386	11.517689
302690	7.631614	7.400709	7.841784	7.961971	7.853247	7.358959
302704	9.769441	10.241769	8.228145	11.722633	9.090589	8.910343
302754	9.176273	9.070228	7.525834	8.356980	8.979568	7.795001
302766	13.430958	13.646002	13.298136	12.691338	13.417001	13.384975
302772	12.068446	13.266880	11.747123	11.921607	13.026105	12.286494
302796	14.892229	15.533410	12.405386	14.775434	15.973783	15.154934
302820	8.324045	8.544308	7.873690	8.215436	8.211450	7.567652
302827	10.456057	10.831941	10.104166	10.153641	11.426480	9.971199
302836	9.009745	9.171502	9.194486	7.455327	9.333960	8.014299
302864	13.347919	13.176796	11.787384	12.630984	12.754539	12.074463
302886	14.475407	14.886352	13.984205	13.707478	14.762596	14.077871
302956	12.309670	13.442903	12.039070	11.968048	12.906336	12.892575
302962	12.509951	13.476065	11.022631	12.317588	12.286919	12.798186
303065	7.891662	9.155375	7.837691	8.579580	8.552708	7.774721
303088	10.356936	12.082126	10.055106	10.154173	11.013002	11.322604
303110	10.171515	11.176722	9.360540	9.816376	10.749484	10.456816
303148	9.877744	11.208734	10.290894	10.448560	11.548302	10.821854
303159	12.272111	13.058570	11.595929	11.998939	12.778720	12.451703
303171	8.423914	7.276683	7.879583	8.031605	8.311975	7.892877
303177	10.144429	11.074530	10.361407	9.440184	10.379887	10.669062
303184	10.149963	10.783006	10.369717	10.173939	10.735624	10.945166
303190	8.415742	8.476220	9.202491	8.241030	7.968264	8.136991
303192	14.206644	15.094112	13.573261	14.312014	15.067273	14.484061
303204	18.139238	18.642960	17.724747	18.298466	19.311702	18.903113
303226	12.713152	13.141188	12.331230	11.697163	12.954082	12.584995
303232	9.555663	9.519459	8.925703	8.558842	7.688320	9.171677
303237	8.599950	8.901953	8.044995	8.734269	8.357508	8.918655
303257	7.767522	7.790120	8.749668	6.829215	8.959480	9.089821
303292	9.486594	7.693278	7.659568	9.329146	8.609881	8.806711
303322	8.711288	8.289327	9.377124	8.117643	8.299025	7.916656
303343	6.258896	9.887510	7.542954	7.964918	9.662615	9.045541
303354	10.355351	10.476766	8.991494	8.938080	9.376212	10.175861

303359	8.216988	7.700232	8.551170	8.718019	9.193772	9.515877
303366	9.419813	10.076882	13.528797	8.966246	10.533476	9.277148
303370	9.490570	7.990728	8.717368	8.841218	8.859876	9.310181
303410	10.421676	7.377731	9.121093	8.654815	9.745456	9.836981
303430	8.402458	9.651662	8.493255	9.044667	9.780687	9.059912
303435	12.823783	13.626670	12.614774	12.273341	13.401436	13.158712
303455	8.412146	8.929998	7.619340	9.873490	8.837218	8.556774
303461	12.452959	12.947051	12.616976	11.972851	12.636326	12.708254
303482	7.970681	9.166414	8.375170	7.581803	8.120808	8.331947
303484	9.677085	10.408500	9.884857	9.457566	10.137901	10.025375
303487	6.945444	7.203691	8.862110	7.935754	8.117228	7.786400
303490	9.829517	10.153197	10.639277	8.975475	8.385949	8.796072
303567	14.011147	14.136896	13.614043	13.269171	14.266261	14.042803
303584	14.700132	15.308709	14.611306	14.388857	15.024189	14.684836
303607	9.230765	12.039824	9.088497	11.087111	11.641749	11.783056
303639	8.773667	8.444559	8.314243	8.349834	8.666579	8.698670
303657	18.084418	18.718655	18.304767	18.206640	18.755981	18.161518
303659	8.306472	11.853372	10.530699	10.760545	10.909008	11.491923
303682	10.764299	10.535635	10.072347	8.719012	10.030584	11.398642
303688	8.756590	9.198862	9.394527	8.438251	9.843026	9.951197
303700	15.034891	15.047128	14.641293	13.967748	15.022754	14.741107
303703	8.738295	8.092123	7.870118	7.324271	7.634230	7.112075
303719	13.890715	13.198278	13.235850	12.426988	12.667513	12.781261
303727	13.563710	13.003753	12.465077	12.184482	13.265328	12.886596
303732	12.104661	12.934743	11.492960	11.994311	12.809959	12.100656
303755	13.729033	14.883791	13.173854	13.587004	14.616514	14.343438
303758	13.672305	14.190429	13.013996	13.674987	14.228413	13.565857
303766	11.678411	12.152991	10.218067	10.964124	12.476096	11.879300
303797	9.374474	7.606368	7.484863	7.842727	11.290428	8.859783
303805	7.534108	7.325800	5.393004	7.135042	8.465281	8.145474
303817	9.437898	8.457217	8.090112	9.135555	7.719047	8.566967
303843	16.305802	15.800112	16.655209	15.605364	16.038671	15.850267
303901	8.113794	7.660566	8.064096	7.745439	8.526069	7.880930
303916	8.207356	8.500205	8.752916	7.515227	9.558842	8.187501
303925	6.838322	8.273189	7.662063	8.279936	8.051590	7.477111
303954	9.406460	8.900927	8.707325	9.176098	9.408691	8.261625
303957	8.797856	9.541174	8.612131	8.618753	7.667041	8.704007
303962	12.959602	13.331250	12.993996	11.631377	12.391614	12.539382
303973	14.300426	13.770481	11.450459	13.085952	13.768521	13.369247
303982	8.172428	9.845725	7.433711	10.020286	8.538305	7.947199
303983	13.808232	12.947998	12.862728	11.985077	12.156999	12.195618
304005	7.265849	7.157549	7.436045	7.742074	7.998703	8.430954
304008	9.214246	8.561555	8.215679	7.479376	8.066735	8.452612
304038	7.921543	7.764606	7.736267	8.260825	9.083798	8.451335
304111	12.901129	13.499477	12.428415	11.786257	13.044346	12.456655
304116	8.245933	7.980025	7.636190	7.203005	9.308225	8.107165
304139	8.121223	7.274541	8.455492	8.311113	10.385258	8.421265

304156	14.864341	15.240138	14.114692	13.842994	14.985527	15.120476
304158	12.240934	13.212226	12.107688	12.419489	13.736396	13.341677
304194	7.775775	7.259743	7.044831	8.344962	9.096346	8.081776
304260	13.517155	14.362073	12.962833	13.485496	14.711772	14.053054
304278	8.091065	7.624613	7.651195	9.890690	7.968206	8.279750
304281	15.945744	15.974435	15.769988	15.107872	15.504790	14.907734
304310	14.172035	13.851487	14.038327	13.046478	13.509985	13.246671
304317	9.850109	10.982010	10.086455	9.742613	11.124942	10.101726
304333	15.110200	14.813795	14.139427	14.021924	13.481820	14.345222
304340	8.926118	11.021077	7.724718	9.542819	8.568412	8.057234
304359	8.376256	8.179710	7.950818	8.379812	8.619963	9.846462
304379	7.894757	8.532161	8.038919	7.982138	8.641329	8.629903
304385	8.223085	8.323235	8.841690	7.008765	8.817016	8.872152
304397	11.987932	12.412091	11.022264	11.523787	12.048899	11.744115
304410	10.850242	11.716695	10.200899	10.505970	11.383488	10.623452
304430	11.700487	12.283971	11.169649	11.330463	12.485452	11.513288
304455	9.633994	10.172352	9.700908	10.316259	12.131664	11.351425
304456	12.486176	13.295991	12.237688	11.804684	12.802331	12.351086
304466	8.432250	10.596441	8.335212	8.049413	10.012247	7.826676
304467	15.972391	16.122996	16.111615	15.356570	14.646111	16.154248
304478	7.573041	7.865919	8.493295	7.197610	9.542761	7.167820
304479	12.890713	13.721303	11.897350	13.017818	14.091626	13.435537
304484	8.556506	10.929244	9.642647	9.855834	9.766993	10.199280
304513	10.968609	12.572807	10.904160	11.038679	12.732611	12.558684
304550	8.785191	9.071650	8.781294	8.091806	9.054740	9.153552
304554	8.185421	8.715310	9.463034	7.292874	8.216018	8.204669
304580	9.597010	11.488649	10.077323	9.316146	11.392693	10.625270
304617	7.554589	7.709291	7.736808	9.481477	8.627315	7.177619
304630	7.959712	8.688180	8.423242	9.602884	9.008036	9.180953
304660	8.372560	8.306153	8.503985	8.131343	8.361110	8.055011
304701	8.610877	8.335078	9.561250	8.034524	8.199967	8.034689
304720	8.939991	10.734854	8.939285	9.671435	9.391179	10.998760
304754	8.727070	8.127994	7.986183	9.218587	11.172734	8.642449
304843	11.837766	12.005347	11.893988	10.670019	12.490013	11.838314
304855	10.706099	11.236415	9.850578	9.626676	10.971263	9.988046
304895	9.994368	8.915670	8.784209	8.902375	9.244673	9.813669
304938	8.008709	9.609936	7.754019	10.798326	9.317797	8.991182
304956	11.675009	12.186724	10.789224	11.466826	11.213912	11.289523
304961	9.080418	10.107976	10.068631	9.836650	11.287066	9.947389
305023	8.344207	8.103235	8.283505	8.329707	9.242126	8.937433
305056	12.269407	13.148295	12.229858	12.254261	12.688541	12.673762
305065	7.962433	7.699607	8.319717	9.058506	8.833681	8.013406
305089	9.910568	11.492694	9.302753	10.408924	11.985209	11.254822
305139	7.236301	7.237258	7.917551	7.536752	8.156184	7.243269
305143	13.982043	13.943340	13.283784	12.733770	13.621135	13.501927
305147	13.846765	14.651852	11.507264	14.699354	16.146944	16.080818
305151	12.967457	13.578754	12.878421	13.208778	14.644207	13.820541

305157	15.070482	14.872176	14.357124	14.557104	15.752855	15.404854
305171	7.924040	9.555260	8.065443	7.179909	9.572264	7.666331
305185	7.901350	8.851718	9.401967	7.823431	9.312384	9.243483
305193	14.459852	15.127405	14.010438	14.593278	15.558275	15.023843
305197	14.153463	14.522470	13.770993	13.366737	14.515059	13.977355
305205	8.403097	7.647818	8.292828	6.895545	8.073070	7.753284
305222	7.686080	9.357002	10.813998	7.586314	9.199942	9.482183
305255	9.094790	9.888180	9.220403	8.642882	9.112231	8.529782
305278	12.505248	13.243521	12.295910	12.114094	13.495982	12.214234
305309	8.291079	8.463565	9.498331	8.018812	8.474233	8.019591
305335	11.382338	10.491242	10.249576	10.398252	12.013145	10.892178
305337	10.022881	12.195732	11.200120	11.199654	11.943394	11.894909
305366	14.661371	15.506370	14.656031	13.979924	14.479925	14.789190
305378	17.684335	17.749550	17.014826	17.074354	17.996215	17.389605
305396	8.683521	8.362996	7.846556	7.844047	7.920174	8.134426
305400	8.175974	7.785027	7.948834	7.967053	7.439291	7.225834
305439	9.236660	9.256114	8.863319	7.933809	9.925376	8.740961
305463	7.837439	8.823718	7.946321	7.795260	9.899538	8.821104
305531	9.460497	10.979397	8.907942	9.918476	10.805365	10.240123
305543	8.067649	8.419876	7.265287	7.908273	8.237114	8.105594
305557	11.561589	12.569656	11.742832	11.123468	11.781487	11.821543
305559	9.025167	10.880280	10.534001	9.667750	10.452838	10.472752
305586	12.473749	12.537992	12.456128	12.190865	12.991761	12.368839
305590	9.028735	10.231593	9.656586	10.111266	8.008317	9.126343
305601	7.489928	8.039029	7.409815	6.538228	8.123759	8.282440
305649	11.254007	11.891769	11.116805	10.826429	10.150077	11.740649
305669	10.411744	14.156253	9.879078	12.243900	13.274326	13.105774
305684	9.664536	10.752698	9.125517	10.810708	10.948316	10.564035
305687	13.383797	13.741928	13.008581	12.590994	13.933434	13.388806
305705	8.401946	11.228771	10.192108	8.704907	9.237975	9.822810
305711	8.532122	7.421897	7.660566	8.661742	9.063476	7.766661
305716	13.545079	15.428973	12.961526	14.423330	15.682796	14.423108
305721	8.746078	11.487724	9.777272	10.191664	9.806791	9.230285
305729	6.802969	8.578788	9.020786	7.892209	8.559645	7.860342
305754	8.225834	8.354029	9.719098	7.334050	7.872336	9.184057
305759	8.575766	10.500951	9.484481	10.302456	10.640136	10.749936
305778	7.372778	9.234650	8.457135	8.951372	8.398273	8.229251
305822	7.980368	7.972233	8.184627	7.324811	9.493475	8.189775
305846	13.052033	16.625866	15.522362	14.062588	13.050304	14.508816
305854	9.808659	8.339316	8.397589	8.825881	8.836429	8.485789
305864	9.649669	11.225394	9.327957	9.581671	9.964615	10.298017
305901	9.831814	11.047144	8.833459	9.912919	10.569115	10.291493
305924	8.423620	7.907071	8.534692	7.800641	8.050066	8.192391
305928	8.089477	7.713008	8.433752	8.252760	9.596022	8.794253
305939	7.636770	8.533135	7.861025	7.719389	8.307474	8.498371
306013	9.251175	8.145728	9.049413	9.303621	8.747656	8.155021
306025	9.956275	10.886017	9.736554	10.002703	11.737421	10.641871

306036	15.797534	15.729020	14.608042	15.389682	16.715088	15.822331
306042	8.509973	8.966563	8.059399	11.031129	9.137683	7.953149
306044	13.198058	13.459319	13.151633	12.952567	13.785224	13.654096
306055	8.672920	9.228458	8.147510	7.617063	8.857172	8.435295
306082	14.895319	15.933614	14.831020	15.712052	16.617496	15.966170
306096	7.110405	8.621429	7.968494	8.006017	9.964947	8.619560
306111	18.609212	17.877549	16.653107	16.838877	16.764710	17.279226
306169	7.602959	8.628737	8.112127	8.695019	8.592233	7.481557
306188	7.601548	9.460661	9.719782	8.531381	9.404184	8.760454
306200	8.793408	7.760421	8.780409	7.378251	9.073767	7.712389
306206	8.272723	8.757923	8.571601	8.374431	9.769640	7.880624
306262	13.935447	14.826277	13.835216	13.835255	15.201002	14.910252
306289	7.322469	7.277613	8.114315	7.882521	8.433043	7.707635
306290	10.271673	11.288987	9.960292	9.202932	10.699486	10.461326
306349	11.375583	11.078404	12.070524	10.946519	11.740223	11.621782
306365	14.956972	15.779844	14.209684	14.968779	15.593815	15.253768
306391	7.408967	9.131677	8.410833	8.410324	7.814679	7.786204
306410	8.669452	10.070658	7.844361	9.338558	10.308646	9.093021
306448	17.687735	18.483822	17.265702	17.201690	18.090217	17.472062
306454	18.348556	18.054588	17.928498	17.398675	18.515349	17.904341
306468	7.695019	7.930796	7.490731	7.131548	8.317820	7.626512
306483	16.979216	17.429119	16.884709	16.787359	17.788513	17.311454
306485	7.558115	7.458694	7.875411	7.577278	8.277892	7.746649
306516	11.284263	12.297424	11.154274	11.150318	12.424235	11.709260
306521	10.018311	10.770300	7.909293	9.134195	9.156892	9.175924
306595	9.063206	9.750690	9.900776	10.169574	9.849937	9.612113
306596	8.060912	7.243174	7.964052	7.659496	9.236062	8.327732
306600	16.134807	15.775048	15.394919	15.204030	15.940441	15.651879
306661	14.178428	13.825209	13.314828	12.846523	14.298854	14.198549
306687	13.418733	13.178805	12.524777	11.971529	13.153161	12.609264
306698	12.687791	13.508445	12.236059	12.194735	13.482261	12.995769
306701	8.241173	8.296182	8.970940	8.535470	8.694079	7.330110
306706	7.824513	10.431069	8.059344	10.282834	11.033292	8.366235
306707	12.248864	12.441679	9.700682	12.003412	12.376541	11.729595
306708	11.356507	12.247447	10.353786	11.680505	12.676982	11.867661
306753	11.887099	11.705736	10.624083	11.371602	12.250269	11.691390
306756	12.811074	13.346357	12.510472	12.878363	14.376406	13.552334
306837	9.074195	9.469825	7.927659	7.897301	10.254946	7.029895
306849	8.623552	6.802452	8.556583	7.223036	9.691778	8.283181
306866	8.771390	8.267161	8.242841	7.557502	9.069665	8.301862
306867	11.831212	9.430139	8.687376	8.321161	9.411935	8.263551
306961	8.244887	9.031026	8.416333	7.007532	8.540283	7.525991
306964	7.535042	9.585526	7.191503	8.271556	9.564188	8.184677
306985	10.076241	9.453600	8.354514	8.212861	10.982052	10.101109
306988	9.700630	9.408733	11.200451	8.506803	9.391501	7.856176
307000	7.618312	9.301633	8.434545	7.775643	8.408075	8.099453
307024	7.017254	8.669275	7.944800	7.351116	7.394634	8.956870

307028	8.727342	12.220233	13.130625	10.049535	9.713954	10.965084
307057	8.878174	7.849311	7.743757	8.167167	9.030695	7.513254
307067	8.087092	8.731658	8.130622	7.601697	8.409349	7.528102
307071	10.536879	7.121223	8.062586	9.514635	8.715344	9.713146
307091	10.215157	11.133354	10.919787	9.976249	9.804276	11.023914
307095	15.245042	15.688824	16.160309	14.561967	14.403328	14.398493
307122	7.838700	7.705079	7.789208	8.922406	7.805679	7.641907
307146	10.860831	11.870241	10.565140	11.361500	11.420097	11.401973
307147	8.729825	7.778866	8.072427	7.840841	8.482566	8.350674
307149	12.503187	13.030129	12.165614	11.655982	12.636457	12.110823
307151	7.642918	9.156892	8.657819	6.740658	8.223664	9.208966
307169	8.306973	7.225545	7.246788	7.481073	9.306700	10.730181
307199	7.902435	7.433460	8.159114	7.514201	9.043848	8.281976
307231	15.158726	15.447730	13.459830	14.967677	15.908640	15.414437
307239	7.596935	8.111031	8.646811	8.236158	9.072401	7.867896
307269	7.855055	7.381543	9.218030	7.679058	7.420297	7.741467
307295	11.199740	11.490520	10.630076	10.046101	11.119531	10.954814
307318	9.085499	9.119382	8.585075	8.453764	9.810427	8.293656
307333	16.249370	16.511837	15.728988	15.314653	15.983517	15.904411
307343	8.755155	8.977194	8.325215	9.497073	9.909788	9.222867
307417	12.777677	13.613842	12.492439	12.281692	13.693614	13.389098
307478	7.424082	8.169875	7.865548	8.155881	8.086667	7.492815
307485	12.508084	13.074167	11.490224	13.612841	15.059457	14.507732
307512	9.422717	8.643387	9.034496	8.785877	8.976306	8.980311
307562	8.492534	11.298950	8.917879	10.555481	10.918662	10.153273
307588	12.643885	13.037813	12.611357	12.045521	13.169687	12.947354
307602	18.068149	17.900329	17.632986	16.857889	17.582865	17.353302
307688	15.836958	16.723390	16.386712	15.897356	15.901923	15.558611
307692	8.649580	7.955243	7.913966	7.242126	8.390298	8.362426
307734	7.437710	7.081297	7.620586	6.606442	7.457463	8.764308
307749	10.622363	11.590227	9.881037	9.863164	11.405094	10.989430
307774	12.027429	11.980393	11.433575	12.233167	13.758322	13.068998
307787	10.815487	10.957385	7.275007	13.670566	15.223050	14.586832
307797	14.571000	15.114271	14.388696	13.840273	15.238762	14.727886
307808	12.241495	13.030341	12.173424	12.449530	12.686864	12.392073
307817	7.915103	8.115564	10.500633	8.980682	7.637567	8.679832
307827	14.392526	14.401186	13.629488	13.170745	13.951246	13.922340
307828	8.941928	8.988287	7.988401	7.838700	10.361527	9.203642
307845	7.943746	8.217085	8.448695	7.945034	8.787903	8.330200
307847	12.081404	12.641275	12.105486	12.251962	12.951511	12.313303
307853	11.092698	12.299099	8.411596	11.877050	13.311193	12.455093
307892	7.504779	7.559415	7.947082	6.255123	8.051590	7.991182
307916	8.040509	8.246123	10.076856	9.458673	9.347378	8.118214
307921	9.880532	8.780999	8.905748	11.503955	10.142503	9.280864
307943	13.374381	13.787200	13.092916	13.220498	14.423832	13.718504
307944	15.896826	15.584671	15.735827	14.864531	16.012542	15.523529
307981	9.426747	10.754320	8.727308	10.856752	9.848686	9.334229

307996	8.818007	8.357992	7.577655	8.078151	8.614857	7.695228
308009	10.838928	12.425984	10.558842	11.110137	11.959542	10.822507
308021	13.119395	13.794690	12.136821	12.849120	14.726124	13.540260
308032	11.154514	11.303387	9.945590	10.710514	11.231695	11.026447
308055	8.507953	7.248212	8.179561	8.494216	9.089821	10.645812
308058	7.486393	8.784177	8.998590	8.135658	11.004649	8.770763
308117	10.528014	10.755847	7.248212	10.731277	11.565968	10.377493
308129	8.078791	7.943511	8.472772	8.020980	8.534848	7.606812
308131	8.254651	8.809736	9.592756	7.241745	8.767059	8.031384
308136	8.254415	9.081856	8.299574	9.081377	8.975877	8.086030
308141	14.660630	15.574861	14.829777	14.463604	15.661815	15.205315
308143	12.499525	12.272942	11.744918	11.693722	12.771605	12.458801
308157	7.911092	11.397985	8.439000	8.831624	10.622903	10.544182
308179	8.182941	8.119875	7.806904	7.700717	8.536752	8.126033
308193	14.150599	14.866837	14.244548	13.753956	14.158087	13.737920
308239	7.499527	6.899659	7.163096	7.534108	7.693905	7.560104
308247	13.275548	13.280194	13.265773	12.294658	12.434732	12.255763
308281	14.574585	14.733102	14.092235	13.825562	14.731836	14.687957
308306	8.191207	8.219265	8.880379	7.194855	8.015415	7.295907
308308	12.187470	12.033616	9.876594	11.395898	12.277523	12.549414
308336	7.998985	12.763704	7.942808	12.364184	12.347253	12.484141
308377	9.018506	7.304237	9.094579	7.622418	8.300444	7.994976
308384	7.983621	8.524307	7.992032	9.730929	10.256846	8.013797
308387	14.953703	15.116320	14.460086	14.222492	15.687567	15.013520
308395	16.776828	16.968638	16.362434	16.404423	17.341044	17.134609
308406	9.339538	7.829913	9.301016	9.608477	8.545737	8.843450
308419	10.505802	12.059284	10.290388	10.536063	10.325721	10.014816
308421	9.243698	7.974185	7.373300	9.380288	8.525012	7.454752
308461	8.312565	9.382819	7.101083	8.101976	8.010444	8.437294
308471	8.216746	8.608846	7.136991	8.764274	9.464913	8.824036
308508	12.063503	12.655573	11.967936	11.180680	12.201539	12.088036
308517	9.041248	8.918297	8.033037	9.136504	9.060804	8.038590
308525	11.550853	14.813156	12.292408	13.600000	14.229414	14.294324
308545	9.891753	10.172940	10.460814	9.748713	9.542896	10.048855
308550	8.036613	8.217618	8.432918	7.589239	8.743084	9.574385
308602	8.249445	7.388878	7.546740	8.007532	8.710393	7.817367
308605	13.827208	13.724689	13.026876	12.992799	13.793432	13.475597
308635	8.636806	12.676272	8.965986	11.463877	11.683723	11.528474
308640	8.469194	8.841313	8.335078	8.009773	9.134683	8.018145
308675	7.771622	8.282532	7.449396	7.859100	8.861738	7.884781
308676	8.020202	6.924931	7.492414	7.285310	7.195052	7.585939
308723	12.206474	13.243033	11.416396	11.704012	12.343810	12.654882
308725	11.924048	12.466041	11.585193	11.152082	12.802351	11.919653
308754	9.188960	8.880104	9.572151	8.214805	9.185842	9.238046
308761	9.675445	8.461152	9.308817	8.262706	9.159897	8.657533
308766	8.282393	9.635519	8.581502	9.849264	9.063665	8.563997
308784	15.235235	15.603337	14.562144	15.054082	15.930659	15.398852

308790	7.321387	7.265568	7.916417	8.412316	9.568982	7.810379
308793	7.390341	9.015666	7.988855	7.772216	8.871566	7.741332
308822	13.286374	12.868635	12.099502	12.220868	13.214636	12.661938
308836	10.079285	9.824052	9.665496	7.827311	8.225111	8.129077
308846	10.006621	8.789012	9.773799	8.611283	8.870087	8.084968
308858	7.417431	8.238023	8.312429	8.195003	8.102343	7.995485
308861	13.336833	13.481717	13.013036	12.781688	13.547338	12.911744
308907	7.541097	9.798796	7.106432	8.073017	10.164040	8.623260
308913	10.958408	11.342364	10.307725	11.821515	11.986934	10.472599
308943	18.215012	17.343814	16.533682	16.094588	16.474300	16.509927
308947	7.878971	8.659604	7.634884	7.791749	8.527790	7.877622
308985	16.976305	16.891910	16.882559	15.499139	16.124293	16.072778
309006	8.053274	7.938286	6.869501	8.480992	8.997603	8.431163
309023	8.947929	8.563120	8.759888	9.328069	8.323685	8.529977
309033	8.546046	9.678565	8.130159	9.083267	9.874382	8.460128
309034	9.020424	8.760188	9.583233	10.140970	9.487840	8.424376
309042	16.197817	17.140217	15.494808	16.842419	18.583988	18.050436
309058	11.407629	11.457617	8.372517	10.353400	11.681181	11.055249
309086	13.774157	14.734702	12.711564	13.471093	14.845288	14.805450
309091	10.372974	11.900252	10.413110	12.099591	13.328525	12.797532
309098	8.994721	9.409773	7.354558	7.796169	8.367895	7.869440
309111	14.083650	14.310493	12.906626	12.837726	14.462919	14.430200
309120	15.317261	15.995677	14.718510	15.126055	16.477673	15.896843
309126	16.309133	16.050743	15.804893	15.473375	16.403415	16.270360
309143	18.548573	18.966461	18.090865	18.505932	19.534361	19.128868
309186	13.004712	13.648637	12.195394	13.182368	14.657446	14.126035
309203	9.217546	11.686409	9.486453	12.100616	13.812570	12.590014
309205	13.572711	13.963439	12.916415	13.426342	14.294227	13.798062
309248	8.066789	7.790316	8.362689	8.737687	11.043984	10.431174
309252	10.928777	8.404162	8.033093	8.819572	8.901802	8.991947
309261	16.704762	16.910041	16.096214	15.969814	17.181146	16.705920
309283	11.076401	12.296890	11.119402	9.871243	10.585085	10.897006
309290	7.940578	8.204669	7.776499	8.421602	8.757857	8.168421
309297	12.693014	12.966752	12.618186	12.194381	14.054088	13.159874
309328	10.383402	10.963207	10.723192	10.527379	11.149322	11.592387
309377	12.115027	12.114064	10.134952	12.089282	12.942460	11.801126
309382	7.910253	9.112257	8.503388	8.021757	9.036229	7.856861
309430	12.898539	13.507523	12.216928	12.322937	13.780413	13.362901
309442	13.432158	14.291336	13.348276	12.996692	13.949208	13.797614
309451	15.401324	16.429402	15.469265	16.439129	17.546730	16.797848
309460	14.553576	15.295804	14.392525	14.120483	14.809432	14.712850
309470	11.734540	11.937205	10.133348	11.127762	13.029273	12.242558
309487	8.726184	7.774655	7.199672	8.935843	8.784308	8.650729
309553	12.666035	12.830331	11.839389	12.098220	13.387860	13.005847
309584	7.922793	10.575813	7.539159	6.929199	10.325350	10.088603
309588	9.076335	7.956521	9.492915	7.690277	8.623881	7.802839
309617	7.888317	7.901410	7.481315	10.829144	8.320620	8.273329

309624	13.550479	13.709659	11.917984	13.552611	14.623437	13.735104
309644	7.707083	8.065928	7.537917	8.145677	9.085047	10.104900
309651	9.221950	10.003420	7.926296	8.291493	9.038590	8.750640
309675	13.328479	14.621860	12.871572	13.338438	14.260676	13.538467
309734	8.718088	8.513451	7.709222	9.844392	9.050774	8.353632
309759	11.860854	12.130484	10.452499	11.853964	12.906981	12.298750
309760	8.257105	8.834250	8.894969	8.013797	9.347488	8.390642
309778	8.568032	9.422191	8.019368	7.987264	10.528981	9.623388
309779	8.451747	8.318452	8.692790	7.586014	8.750607	7.554589
309783	8.274821	7.579391	9.150560	8.572473	8.696585	7.983450
309800	8.293104	11.527550	8.838448	8.023643	11.163901	10.969027
309805	8.212910	8.838448	8.473462	8.992938	9.816376	8.015192
309811	10.376896	13.366544	9.373539	12.497113	14.148769	12.765191
309815	7.393090	8.098822	7.281235	7.791423	8.481315	8.748696
309824	8.101503	8.402799	8.472528	8.647422	9.240243	9.576749
309847	15.352874	15.121619	14.762299	14.168391	15.178540	14.794889
309860	9.099348	9.111397	7.924219	8.707256	9.169649	8.546817
309866	8.372909	8.240362	8.361066	9.225593	9.306472	8.352485
309879	12.455738	13.150888	12.635741	12.071767	12.551742	12.421094
309885	8.551362	8.655781	8.632850	8.000563	8.467850	7.800188
309889	13.266156	13.130001	12.253936	12.096771	13.625583	13.109124
309908	9.003265	9.076575	8.552823	7.214222	9.276613	8.381629
309937	6.466301	7.939285	8.566777	8.501001	8.195397	8.803324
309949	8.617063	8.723832	7.724446	8.140830	9.053709	7.593727
310004	14.769678	14.905859	14.165788	14.264488	15.326778	14.780833
310009	10.305070	10.025195	9.518319	9.780540	9.556678	9.638508
310034	7.915401	6.731862	7.730640	7.649831	8.838857	7.493375
310061	15.076391	15.646351	14.637332	14.885141	15.763067	15.537916
310064	13.803024	14.189157	13.400926	12.996276	14.653390	14.252057
310072	7.561861	7.612058	9.113456	8.273329	8.356672	8.342741
310106	7.232661	7.746380	6.731591	8.115096	8.319311	10.349204
310120	9.055987	8.296595	7.711495	7.917790	8.950935	8.794123
310123	12.837719	12.654607	10.766065	12.039885	12.611341	12.198589
310124	12.943866	13.577454	11.859577	12.815221	14.107331	13.600367
310130	7.708877	9.232373	7.666686	7.119356	8.214173	8.916178
310139	11.823574	12.986567	11.898919	11.398599	11.618096	12.192157
310174	11.642255	13.175893	10.975002	13.053261	14.749059	13.967000
310187	8.892998	7.684959	7.536364	7.875289	10.012960	8.098716
310205	8.773007	7.931978	7.346868	7.436878	8.573079	8.005568
310210	10.852358	11.647139	8.242126	10.769623	11.342947	10.958357
310231	10.365885	11.510833	10.526900	10.630103	10.821638	11.020911
310233	13.173562	13.685317	12.602133	12.839086	13.880015	13.646817
310265	8.762548	8.464178	7.686360	7.934045	9.309590	7.777091
310294	15.896244	15.864116	14.826366	15.181365	16.531561	15.950255
310335	11.639517	12.239951	12.160562	11.131683	12.744523	11.922105
310349	9.474132	10.943306	9.233692	10.001099	11.454952	10.765957
310368	7.211694	6.229011	7.593503	6.824131	8.707359	7.902315

310400	11.673101	13.774336	10.642945	12.291600	13.606279	13.113452
310407	7.731658	8.096293	7.156134	7.675675	9.021591	8.016195
310410	8.046142	7.078845	7.786923	8.148934	7.905026	7.369466
310414	8.810250	7.992089	8.533408	8.994693	8.864093	9.449706
310434	10.619661	8.808739	11.296738	9.630486	8.324136	8.157953
310452	13.043114	13.989652	10.450809	12.862633	14.543991	13.820712
310457	8.837723	13.700103	11.083027	12.943747	12.821975	13.096628
310484	11.074215	10.938308	10.070362	9.604979	11.202179	10.985842
310498	9.632086	10.854650	7.907492	9.861893	10.803905	9.495735
310513	13.795803	14.274200	12.231227	13.499979	14.598294	14.222724
310517	10.095080	10.008947	8.112022	10.618486	9.601919	8.729723
310551	7.807484	8.007308	7.718293	8.008261	8.268238	7.751745
310556	10.147714	12.365401	8.263457	10.316564	11.420171	11.768308
310587	6.147510	5.736605	7.872521	6.298292	6.495695	6.690836
310647	8.487961	9.933219	9.322446	9.169224	8.482727	8.822348
310662	13.270622	13.361842	12.945025	12.234069	12.746701	12.355021
310671	7.489607	9.043602	9.019062	8.795780	8.881206	8.149239
310681	9.141954	10.349934	9.594623	11.190139	9.198028	9.894120
310716	9.789061	9.487519	10.235236	9.017365	10.183040	10.007812
310731	12.790917	13.190940	12.534317	11.940281	13.402921	13.158611
310752	12.945490	13.156545	12.149715	11.890317	12.858179	12.934776
310764	8.031274	8.790446	8.832637	8.071945	9.542219	7.831687
310766	14.003595	14.103123	13.625596	13.028208	14.369779	13.808565
310772	7.841155	7.705079	7.852373	8.243126	7.878235	8.169825
310801	12.678202	13.153573	12.485925	11.500419	11.667546	11.666322
310810	12.540801	13.208763	10.952887	12.549530	13.815936	12.945254
310811	8.721133	8.162140	8.236684	7.269875	8.477475	9.188910
310836	12.793540	14.579274	12.928798	13.319243	14.117960	13.979115
310840	10.805220	11.169656	8.691848	12.442088	13.884913	13.066996
310863	10.284361	10.548745	9.465791	9.739055	10.329897	10.260896
310869	9.393090	8.609290	9.035981	7.367458	7.416924	7.234578
310877	8.277473	8.696098	7.296641	8.299529	8.534420	8.886642
310990	8.974386	7.986809	8.300490	7.930974	9.203128	7.865176
311006	13.274464	13.492548	12.252887	12.410751	13.746763	13.510066
311048	8.796429	8.056692	8.536519	7.865115	7.694602	8.294391
311052	13.436240	14.781553	10.985422	13.854314	15.088272	13.863961
311086	10.180406	9.049522	10.243983	7.838700	9.308407	9.395406
311095	8.075479	9.025970	7.863815	8.579467	8.761053	6.048759
311119	14.145541	15.121151	13.713513	14.013695	15.404810	14.867657
311131	8.523601	8.951022	9.833001	7.303415	8.156943	8.505057
311137	14.333417	14.309653	13.343161	14.188823	15.578540	14.974591
311160	8.579618	8.626877	8.601288	8.280446	8.580334	8.066789
311181	11.707182	12.654186	10.400175	12.598264	13.688748	13.432838
311184	8.049467	8.215824	7.975791	8.534186	9.136684	10.965936
311190	12.956719	13.716046	12.939550	11.398706	11.526519	12.352504
311243	13.030965	13.846698	11.739046	13.167486	14.406436	13.943628
311251	14.717694	15.108109	14.122826	14.110909	15.020644	14.967910

311255	8.806807	8.026302	8.362864	10.696463	9.046551	8.745708
311257	17.239258	17.306930	17.294656	15.650530	15.517511	15.939209
311342	9.298773	8.452159	9.957842	9.796169	9.550516	6.743892
311389	10.613219	11.874171	10.516055	10.283956	11.065833	10.580720
311394	12.662929	13.527671	11.150687	12.868003	13.911251	13.308215
311396	8.610730	9.870765	9.119849	11.472183	10.097742	10.848020
311416	7.884537	8.158054	7.868946	7.757557	10.233775	10.578005
311417	14.175736	14.876657	13.979306	13.880761	14.968275	14.528886
311434	7.568716	7.970509	7.354382	8.363083	9.182965	7.642413
311449	10.023352	11.904093	9.271066	10.966318	12.944384	11.987712
311493	7.825849	9.683819	8.615151	8.517984	11.429360	11.297123
311530	7.955185	10.770119	9.279657	10.386811	10.350409	10.450871
311542	9.843340	8.667821	6.593802	6.455163	9.054062	8.590475
311584	14.641541	15.144289	14.453701	14.608042	15.364629	15.134367
311624	11.805978	11.498465	10.581153	8.241268	10.838046	10.779998
311637	7.068671	8.648897	8.085552	7.758090	9.895575	8.440329
311643	8.445884	8.678530	8.576295	7.391802	9.761584	7.968897
311659	17.043152	17.707474	16.865032	16.981539	17.498748	17.501330
311678	8.705079	9.842460	8.988543	8.918714	9.826056	8.797305
311694	10.688993	10.031315	9.024946	9.753752	10.510566	11.518265
311734	16.098930	16.365199	15.696461	15.926808	16.354647	15.749699
311758	11.680720	13.414313	11.592649	12.232907	13.311520	12.949026
311769	8.859473	7.438126	8.076869	8.220862	7.351204	7.795585
311790	7.517669	8.542800	7.486634	8.140983	7.651554	7.313609
311817	10.003968	10.952632	9.336105	9.655727	9.972650	10.486594
311821	10.227796	10.496524	9.346093	9.873290	11.379752	10.334072
311833	13.842976	14.486492	13.595139	13.948362	14.743828	14.355721
311856	15.295274	15.283982	14.194851	14.577950	15.643947	15.302215
311876	11.391850	12.264651	11.081989	10.775125	9.549515	9.543515
311919	8.907041	9.603701	9.428695	8.568184	7.878541	8.198543
311946	10.944361	11.602309	9.649615	11.225762	11.847891	11.285391
311995	8.136171	7.506288	7.523248	7.781622	8.170876	7.757690
312013	13.181958	13.256120	12.390814	11.910403	12.936441	12.632209
312020	8.190072	8.021035	8.166113	8.898118	10.708722	8.213687
312029	7.579693	9.120030	7.905568	7.115720	10.672319	9.425615
312031	9.989778	8.249161	8.334676	8.246408	8.566891	7.540322
312067	10.100623	9.759938	9.086534	9.638364	10.346181	7.908873
312080	11.647099	12.805111	10.974565	11.431879	12.410711	11.918807
312088	7.471513	7.517354	8.289881	5.791033	8.663273	7.079378
312133	8.655209	9.145881	8.564721	9.065093	9.009493	8.247026
312135	9.753133	11.363418	8.798051	10.495585	11.705844	10.803606
312137	9.203275	9.615593	9.436961	9.898617	10.305583	7.917909
312148	15.106603	15.202251	14.832532	14.234367	15.559440	15.142170
312162	8.673450	9.669789	8.923327	8.786531	10.459688	9.583102
312168	11.710195	11.965218	11.654502	10.219544	11.065207	11.226539
312249	14.459743	13.990032	10.506149	13.337554	13.719301	13.399016
312274	10.548022	10.515384	8.710290	10.277462	10.572350	8.666721

312292	6.562853	6.563463	7.434628	7.972693	7.969358	8.015973
312322	11.492559	11.953276	10.107819	10.500623	11.762639	11.386757
312356	10.723431	10.908760	8.692092	10.196504	11.524884	11.484627
312376	15.992063	15.572600	14.558405	14.466130	15.441636	15.114232
312391	9.788017	8.865702	9.281374	9.010025	8.435879	10.135607
312450	10.961775	10.014718	9.797840	9.428360	10.711555	10.527760
312503	11.818902	10.959321	10.103511	8.783031	10.023449	9.983492
312549	9.999775	11.473559	8.774853	9.793473	11.012645	10.651132
312581	15.704084	16.153201	14.387949	15.841447	16.718654	15.568496
312593	14.241963	14.762780	12.682543	14.296832	15.391381	14.970047
312653	9.098427	12.493560	11.038199	11.854054	12.092357	12.080021
312697	8.754988	8.773238	8.758723	8.268425	9.941121	8.897029
312704	10.718841	12.486471	11.124328	11.349574	12.327384	11.540966
312707	7.354822	7.901591	7.607922	8.258849	8.291539	8.309795
312711	11.359618	10.859838	10.031660	10.342653	10.632923	10.907920
312739	10.389266	8.647566	8.028901	8.728533	10.420929	9.686010
312743	7.276031	8.657676	7.793766	7.668389	8.591822	7.218781
312744	12.777257	13.149411	11.690871	12.765185	14.282703	13.598312
312780	8.986667	7.945970	8.044995	8.453106	9.904815	8.397033
312787	8.569856	9.174901	8.247310	8.172578	8.532512	8.145117
312791	9.743236	10.955933	10.042904	10.965972	11.925443	11.492895
312816	15.582095	16.226081	15.689887	15.678051	15.864509	15.681666
312829	12.091594	12.653383	10.249955	11.776902	13.107876	12.255672
312835	13.877926	14.602167	12.762002	13.219807	14.739714	14.166048
312883	10.875350	11.631018	10.830246	10.235201	9.702554	10.832471
312891	14.007598	14.288535	10.746296	14.019951	15.072633	14.143768
312895	7.732201	7.422317	7.583534	7.967457	8.736537	7.836808
312925	9.306267	9.488382	8.852373	8.951110	9.468196	8.626366
312951	13.367396	14.193451	13.136294	13.425937	14.323788	13.754404
312996	13.298585	13.830591	12.486486	12.587292	13.183806	13.066230
312998	8.184479	9.666117	8.737011	9.871505	8.663772	10.760670
313009	10.366519	7.611689	6.810443	7.343852	8.412189	10.371363
313014	7.099400	10.927022	7.157852	8.259696	8.150407	7.688110
313028	8.473543	8.132834	8.009269	8.380461	9.990912	8.214853
313055	9.717077	6.948718	7.352264	7.457052	8.632195	9.638726
313098	7.882582	8.206965	10.207234	8.257624	9.244102	7.971371
313129	10.086733	11.160886	10.284014	9.415256	9.630249	9.203054
313142	14.534428	14.702131	13.965421	13.750323	15.131150	14.598771
313167	11.793778	12.143763	11.025465	11.568118	12.497847	12.372598
313245	9.154793	8.839361	7.893605	8.408372	10.079245	9.457607
313282	14.893757	14.869536	14.637027	14.378297	15.271349	14.804648
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313336	12.522677	12.976772	11.826938	11.241191	12.716500	12.509901
313342	7.501439	7.193673	7.165711	7.788164	8.227279	8.538034
313345	10.487056	11.738325	10.326935	11.831929	11.676949	11.372794
313346	9.035321	9.650100	7.978939	8.548398	9.078898	8.152133

313388	8.319040	8.163851	8.360320	8.309976	9.220523	8.865857
313398	13.257733	14.299256	11.338190	13.897541	14.755791	14.787500
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Slot "notes":
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Slot "phenoData":
An object of class "phenoData"
Slot "pData":
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MA000V0   7     30 15
MA0019Y   8     31 15
MA000UR   9     13 19
MA001I7  10     14 19
MA001D0  11     15 19
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Slot "varLabels":$sample
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Slot "Sdev":
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297912	348.85	283.69	288.51	250.92	367.57	298.03
297935	406.17	167.35	396.91	200.91	382.53	280.60
297990	516.00	349.99	356.77	367.61	435.71	370.94
297993	302.25	172.72	134.16	195.61	382.00	199.18
298000	1777.10	1884.24	1777.67	877.19	1131.69	837.68
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298121	170.71	464.60	204.20	154.87	287.27	227.57
298130	506.30	1159.51	1170.51	776.64	1398.40	678.47
298143	299.85	205.11	158.60	297.73	391.64	335.77
298150	328.17	487.35	139.23	241.96	250.47	104.31
298151	275.80	176.50	177.33	174.44	266.11	225.74
298155	233.17	170.15	306.54	174.17	636.54	276.30
298165	332.55	249.60	172.10	221.62	345.29	410.33
298174	448.31	205.75	272.50	214.46	673.99	277.82
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298200	2403.89	3865.71	2001.99	2861.44	3022.30	3343.83
298246	633.33	548.37	408.14	147.44	391.34	504.46
298248	216.60	234.09	204.03	253.44	218.92	196.50
298276	878.01	949.63	540.52	701.05	934.90	1027.49
298312	279.37	276.86	685.51	385.74	899.67	614.28
298316	199.39	214.79	179.46	182.93	317.59	147.09
298331	339.37	270.34	299.33	170.93	550.86	331.48
298347	1878.39	450.16	447.36	344.40	313.54	383.20
298367	374.68	208.98	206.68	246.38	558.44	299.01
298384	598.47	270.36	386.06	270.03	932.62	351.12
298422	213.11	257.76	329.38	277.65	497.65	195.00
298428	277.20	246.32	337.76	437.28	533.08	488.19
298431	218.19	175.26	217.23	120.28	280.05	194.15
298459	151.21	225.04	189.69	276.94	305.64	203.87
298460	398.06	489.93	351.40	468.21	393.36	382.26
298479	317.02	279.33	490.42	296.24	542.27	188.12
298518	237.41	243.12	170.78	180.85	92.94	359.87
298523	616.64	666.48	222.08	315.25	429.59	305.24
298527	516.37	624.84	248.79	553.12	918.27	619.48
298556	173.75	237.79	399.24	516.67	402.74	353.45
298558	932.25	1445.13	581.97	636.08	2319.07	1236.20
298593	267.46	293.82	473.20	189.17	415.24	292.37
298594	267.54	210.63	339.72	327.65	993.53	167.17
298604	274.31	235.13	368.64	304.06	404.63	301.45
298614	316.95	598.47	293.33	584.11	781.91	329.20
298619	151.46	180.67	316.21	205.93	514.97	196.47
298631	669.83	1536.06	918.19	804.79	1795.71	918.92
298654	273.65	381.28	264.92	293.09	476.96	308.57
298655	300.95	274.68	193.72	341.69	406.12	541.22

298656	393.76	223.95	226.83	125.39	302.43	207.20
298704	369.54	393.94	452.84	237.33	447.83	266.48
298742	366.27	601.21	410.48	564.84	403.61	289.56
298746	327.32	164.81	245.70	59.89	242.00	205.72
298760	272.21	259.14	183.14	195.56	218.01	274.59
298761	392.92	235.22	188.53	183.11	322.94	159.80
298770	502.03	1012.69	493.81	391.31	1045.12	1053.99
298771	254.32	350.63	206.99	335.74	393.98	306.93
298780	279.18	271.46	475.99	277.29	268.92	271.76
298785	230.13	310.61	382.81	224.53	488.99	192.96
298789	378.39	268.78	304.29	269.92	3066.63	240.36
298811	524.46	497.14	537.56	315.76	460.96	143.28
298812	1277.38	318.80	192.91	267.84	886.72	153.93
298816	381.20	465.44	232.13	372.75	1540.60	1440.51
298853	369.40	2161.00	1702.65	271.67	362.30	357.00
298861	457.26	612.40	687.97	559.69	306.87	312.34
298871	389.56	178.19	207.35	346.08	361.86	399.92
298882	469.10	789.07	428.30	473.49	1369.08	856.77
298887	332.35	411.49	376.41	445.45	734.71	561.25
298923	910.60	529.15	793.38	316.29	1202.32	580.05
298936	377.93	243.52	101.34	99.85	491.38	200.54
298941	264.19	245.06	182.97	160.55	238.48	196.39
299001	169.85	304.82	442.08	209.91	313.97	184.36
299110	600.90	1059.57	430.27	665.55	833.64	611.16
299116	366.97	298.49	246.44	331.04	161.15	325.35
299125	205.37	175.46	241.54	264.69	540.89	158.15
299126	275.48	232.97	335.59	166.19	337.42	341.26
299127	384.26	403.04	213.99	147.74	417.83	214.37
299151	440.08	331.37	304.92	188.33	263.54	466.41
299157	221.17	125.65	174.50	183.80	359.84	260.52
299162	363.90	287.10	244.28	292.98	774.89	557.39
299172	296.13	293.58	42.47	187.06	274.59	124.93
299179	338.42	353.17	227.41	1452.95	615.62	333.90
299205	240.03	387.61	231.51	401.91	506.35	257.95
299208	288.76	554.31	364.06	368.16	724.52	428.46
299212	529.01	612.54	380.94	408.53	576.42	294.21
299227	304.59	125.37	362.88	170.71	347.92	219.56
299231	412.67	91.37	183.34	171.46	309.51	255.61
299261	128.92	135.53	395.02	220.22	392.13	301.54
299270	275.91	299.60	277.31	384.99	441.19	155.42
299304	199.46	385.44	445.03	310.60	588.17	462.49
299322	359.54	503.87	395.06	256.26	433.55	189.40
299329	281.80	293.88	349.91	309.26	528.35	348.52
299330	278.45	295.83	335.87	176.69	429.84	562.81
299345	4623.17	9197.40	5339.19	8209.58	8881.85	9599.41
299366	278.95	234.48	207.28	451.62	699.79	422.37
299422	233.35	105.38	306.02	204.49	192.88	223.79

299424	131.80	192.04	176.82	216.37	251.53	308.42
299440	208.03	211.19	142.84	158.15	334.48	197.39
299458	426.89	863.84	509.99	296.45	598.85	517.65
299468	359.02	213.78	331.47	371.89	302.81	366.90
299513	234.56	182.79	264.79	258.05	429.45	300.91
299548	504.59	622.71	526.04	188.21	540.85	260.85
299554	138.44	262.78	174.37	246.41	304.32	219.22
299556	182.74	257.85	183.14	200.11	411.00	234.71
299559	277.52	148.91	175.71	219.42	226.08	200.53
299599	241.36	240.35	424.55	203.82	400.30	258.83
299604	1222.70	919.58	735.48	300.22	836.16	394.15
299608	405.52	182.88	258.83	138.79	251.15	240.10
299615	157.50	273.36	192.99	221.61	215.57	190.01
299618	300.61	201.29	238.10	277.51	535.97	278.84
299626	355.23	324.96	201.72	521.84	598.35	370.88
299636	162.22	401.17	254.75	233.51	292.25	377.93
299661	400.65	221.61	310.04	187.35	315.89	174.23
299672	242.36	388.96	214.86	224.18	361.90	360.99
299674	332.58	460.62	366.47	223.56	522.48	289.53
299694	213.62	276.53	292.21	262.78	367.64	243.49
299731	315.43	287.31	234.88	167.32	558.58	323.25
299744	245.86	272.89	198.18	1297.90	278.51	125.90
299780	189.13	149.32	127.33	275.38	439.06	254.09
299781	286.83	154.40	170.31	217.45	273.90	195.04
299789	302.05	285.44	323.49	72.06	167.65	378.63
299792	290.30	170.41	180.58	262.73	593.44	198.14
299800	190.43	147.55	159.77	289.85	254.02	235.55
299826	316.65	296.58	177.62	296.63	258.34	234.37
299844	430.17	333.16	342.24	224.27	776.64	346.64
299865	342.27	248.56	273.48	188.54	359.95	303.67
299883	546.48	406.62	391.65	227.23	452.24	330.77
299904	345.54	423.11	104.54	523.95	381.29	121.70
299915	422.43	585.06	292.40	386.78	438.90	412.04
299931	450.92	495.31	341.10	353.31	339.32	390.52
299933	267.45	505.13	292.91	314.45	357.06	328.25
299973	148.26	288.83	434.35	423.27	386.48	299.79
299990	446.78	227.38	278.47	327.37	363.31	257.29
299991	394.39	195.65	193.69	198.76	168.11	308.07
300026	1210.72	1970.23	1273.95	941.11	1996.43	1614.42
300048	195.86	276.24	235.75	269.36	492.45	425.03
300051	166.60	273.96	217.31	150.70	364.48	182.34
300067	241.91	179.91	176.26	146.85	259.21	207.33
300089	561.22	256.03	174.78	397.74	449.50	388.61
300142	323.15	424.39	208.12	364.22	731.39	280.33
300199	222.87	144.71	130.81	187.90	325.18	131.15
300235	330.33	201.19	305.95	277.28	470.53	324.65
300258	1398.67	2079.59	2119.70	753.26	648.29	568.99

300305	202.82	314.81	255.50	176.81	610.00	499.17
300312	173.13	317.27	324.11	390.24	307.68	275.74
300322	188.07	296.81	269.55	139.31	353.41	252.74
300327	339.67	336.93	120.12	205.26	320.38	294.05
300398	249.79	267.37	287.87	209.43	626.16	180.10
300400	335.27	130.34	179.23	257.44	294.97	146.85
300409	342.32	273.50	214.60	315.65	487.62	738.01
300422	225.53	271.19	258.72	556.65	308.46	199.13
300428	390.68	516.81	505.31	336.78	352.70	280.48
300505	162.34	200.74	191.78	179.00	327.95	274.47
300524	271.63	302.00	179.59	171.13	304.46	381.21
300530	289.27	127.76	214.07	139.01	425.14	275.28
300537	343.42	301.98	252.50	240.02	401.95	208.04
300542	295.76	159.21	134.74	374.83	209.79	178.44
300547	449.88	260.73	471.17	270.77	364.34	327.03
300553	412.38	251.36	296.55	322.25	553.60	279.82
300565	306.12	211.84	163.69	185.56	874.00	326.03
300596	469.75	290.88	363.59	259.41	400.80	148.53
300600	354.40	154.09	186.53	277.11	507.78	318.59
300605	335.41	288.21	168.87	284.33	1115.22	569.60
300612	371.08	165.96	380.93	347.73	359.87	298.89
300627	733.04	646.81	357.11	527.98	1240.84	906.80
300692	321.19	157.66	235.69	115.82	606.30	195.32
300722	324.74	1077.97	722.38	501.43	784.20	564.42
300729	454.60	217.24	253.54	211.53	526.15	258.57
300748	364.45	395.55	359.78	417.58	1075.48	429.01
300771	244.09	539.42	362.35	177.11	283.85	563.99
300813	314.05	299.49	618.66	447.71	675.45	381.64
300839	277.01	135.79	147.18	187.75	349.11	341.08
300853	271.49	271.48	217.29	257.75	314.47	278.03
300862	292.25	215.17	237.46	389.44	353.31	184.83
300890	220.78	128.27	190.54	202.19	622.96	204.83
300922	8991.01	5063.30	6295.86	4057.55	6942.49	8129.65
300961	1889.25	744.75	537.30	572.75	571.28	502.17
300967	189.46	193.50	151.49	103.28	320.97	230.60
300969	273.17	336.31	166.08	271.93	371.45	262.26
301005	2872.85	4610.87	3147.64	2771.88	4522.51	4049.72
301015	404.89	275.91	402.05	527.83	1099.81	336.73
301024	243.45	332.71	235.46	377.27	339.54	322.15
301035	413.26	465.24	311.34	353.92	655.90	450.87
301049	212.04	139.20	148.36	188.86	262.00	151.76
301054	334.52	305.54	380.65	215.83	547.49	249.38
301068	252.53	283.48	231.79	201.54	765.73	359.20
301070	339.70	236.99	218.53	322.62	529.60	240.27
301124	161.35	234.06	307.62	439.44	199.07	201.78
301139	286.44	250.18	146.26	444.95	369.62	249.35
301141	365.99	296.41	333.91	212.31	198.78	245.34

301143	164.24	247.51	239.26	183.15	345.90	199.28
301169	297.62	290.31	421.58	203.53	204.11	248.16
301171	255.65	278.67	216.85	98.15	388.27	153.15
301214	357.27	517.43	233.44	590.37	512.67	231.35
301218	438.65	437.81	292.32	629.24	438.51	358.65
301240	221.67	325.27	209.88	237.26	466.80	381.81
301266	159.21	172.03	186.80	180.08	385.57	208.05
301281	207.52	248.74	288.78	253.31	355.37	131.56
301306	1281.48	1048.58	706.69	541.69	1050.93	778.11
301307	251.43	159.55	226.41	135.88	334.14	153.10
301313	293.44	380.06	438.17	202.83	613.12	283.40
301376	563.80	468.98	370.18	398.67	798.47	659.11
301377	228.15	314.50	288.29	232.85	308.79	206.73
301391	431.03	526.25	499.88	474.52	2055.58	457.46
301393	290.89	159.17	236.28	199.75	229.46	204.93
301399	436.32	551.97	936.91	479.47	509.63	393.09
301410	217.47	273.45	250.07	208.22	447.97	288.76
301418	366.41	199.49	305.46	237.73	286.94	381.95
301448	317.73	682.68	322.34	375.30	487.79	242.91
301451	348.25	148.42	291.39	186.42	458.52	276.01
301490	274.27	472.70	427.63	210.62	370.51	142.32
301498	164.05	180.14	184.92	192.24	233.19	234.47
301506	526.98	425.06	390.11	504.71	777.39	498.56
301517	169.51	252.63	204.25	213.75	387.15	250.51
301554	209.10	208.00	189.71	129.19	267.35	153.23
301582	702.42	967.85	716.17	476.37	890.10	885.60
301606	244.96	337.28	385.63	305.05	176.51	222.30
301664	223.65	215.12	244.36	181.79	474.74	314.43
301691	678.72	453.17	252.34	355.37	539.48	471.71
301694	101.28	552.70	374.32	419.99	527.30	234.67
301736	284.95	301.96	197.96	252.91	533.58	377.59
301738	487.76	250.29	494.86	239.80	241.88	231.64
301782	362.73	494.72	253.74	390.19	557.04	395.70
301819	198.44	276.14	132.77	510.77	380.55	208.55
301828	454.03	633.41	610.72	452.07	455.50	352.57
301877	423.44	304.35	303.06	242.03	439.71	169.33
301916	247.10	304.90	276.83	465.93	452.96	370.84
301921	210.76	211.36	234.62	231.35	259.26	507.75
301932	341.29	287.79	226.39	187.49	829.45	401.54
301934	503.10	295.56	277.46	276.70	666.95	301.91
301947	177.01	205.64	330.18	285.79	828.55	258.46
301956	351.27	406.00	207.77	237.05	472.92	330.06
301972	107.48	234.53	174.87	112.17	320.07	259.15
301985	189.07	239.43	233.39	151.97	416.47	181.88
301994	506.81	446.90	516.44	407.29	537.93	236.17
301995	360.29	272.25	599.10	261.49	312.11	124.13
302054	206.65	139.79	160.96	180.73	406.65	252.14

302064	119.60	141.41	84.30	157.48	196.42	250.61
302170	271.52	262.49	304.53	282.32	271.56	273.27
302176	1033.10	271.92	623.93	380.03	342.06	429.82
302207	216.83	138.27	392.11	270.52	599.93	379.17
302215	502.24	261.86	258.32	193.71	465.53	270.68
302224	209.12	239.65	132.24	281.02	425.37	395.56
302259	183.57	187.76	286.43	251.78	322.40	224.67
302279	4436.85	3029.95	4524.72	1552.41	1129.06	2194.07
302285	619.45	864.67	493.24	531.06	792.32	785.26
302309	356.33	174.76	408.18	212.51	430.93	257.77
302319	409.47	610.26	407.72	510.10	1023.53	795.19
302328	931.69	1032.22	767.83	605.63	778.49	771.07
302336	142.37	120.17	143.07	48.42	395.32	177.19
302342	608.88	368.71	359.43	210.19	574.90	300.94
302346	345.10	135.96	179.34	135.11	207.87	192.07
302365	299.70	220.75	234.85	174.68	434.39	283.61
302390	489.32	246.46	450.15	172.62	372.20	146.43
302412	265.23	333.32	249.20	357.28	167.52	332.36
302442	304.18	280.25	223.27	375.49	367.80	439.38
302450	272.63	417.38	211.45	274.04	484.73	192.86
302455	297.27	285.58	254.44	276.82	407.78	253.40
302463	274.95	224.54	240.58	219.89	249.82	328.04
302464	150.55	233.39	236.35	111.28	643.19	158.93
302488	658.59	654.77	420.99	327.57	475.63	346.11
302489	170.66	119.79	163.76	158.70	287.59	224.02
302490	392.79	167.39	253.20	170.18	489.27	438.74
302519	607.96	401.37	331.80	309.10	823.02	1391.86
302539	271.61	291.39	268.56	245.16	221.72	249.74
302541	489.22	291.58	108.21	597.79	586.42	339.64
302579	363.21	203.41	338.66	361.30	362.65	243.15
302583	261.51	254.99	218.85	315.36	309.58	260.33
302585	175.18	198.99	314.58	302.29	523.27	346.76
302602	304.29	368.22	464.06	297.27	574.51	199.98
302611	175.43	337.16	147.24	185.08	399.89	872.52
302631	249.15	180.47	369.91	207.76	293.85	168.96
302644	465.84	411.62	341.84	316.05	332.28	1234.63
302679	301.15	281.11	237.88	275.10	274.56	194.80
302690	198.31	168.98	229.41	78.40	231.24	164.16
302704	188.44	248.27	238.14	359.22	536.16	481.15
302754	248.24	199.57	184.29	327.87	331.19	222.09
302766	327.82	271.87	252.38	204.06	457.45	282.58
302772	193.29	222.73	234.12	249.03	274.49	266.69
302796	423.31	457.07	160.42	494.85	557.85	604.31
302820	320.47	359.17	234.54	297.23	296.41	189.71
302827	323.32	304.04	240.28	252.15	609.72	422.08
302836	359.82	179.44	118.84	175.50	645.36	207.76
302864	414.47	410.64	264.66	224.08	625.07	380.77

302886	343.78	377.62	595.14	538.63	435.93	388.67
302956	175.98	265.82	415.78	186.09	246.25	366.86
302962	1277.53	2725.93	2080.38	2037.51	1027.58	869.80
303065	237.48	299.59	228.76	336.99	375.51	218.99
303088	363.91	181.23	277.68	128.15	372.99	224.03
303110	351.31	251.56	132.69	376.70	183.90	221.09
303148	421.74	255.79	337.05	288.27	394.02	354.52
303159	246.95	322.05	468.86	206.70	1268.32	222.98
303171	183.37	155.06	235.50	194.65	279.47	237.68
303177	136.69	172.10	198.62	186.47	282.53	155.90
303184	195.42	254.11	158.19	443.11	299.45	248.32
303190	341.50	356.12	293.01	302.55	250.43	281.50
303192	1102.36	1021.37	509.18	994.77	1613.30	828.74
303204	4535.04	7546.74	4424.25	4540.03	8971.46	7945.70
303226	242.22	396.45	227.71	152.13	781.46	209.53
303232	257.88	158.33	106.54	185.68	206.26	181.99
303237	388.01	327.16	264.11	406.79	327.99	483.93
303257	217.90	221.34	430.44	113.71	497.82	124.98
303292	172.29	206.97	202.19	170.49	377.94	278.82
303322	419.14	312.85	664.96	277.75	314.96	241.63
303343	76.58	384.88	186.49	249.85	496.07	211.30
303354	378.53	159.91	161.82	275.78	662.64	264.58
303359	297.55	207.97	375.11	169.75	526.60	693.16
303366	181.83	217.48	635.35	153.04	479.75	126.61
303370	212.14	254.36	287.02	274.38	464.61	337.99
303410	251.31	166.31	204.38	215.55	321.78	208.93
303430	338.37	359.90	280.09	528.10	879.59	533.71
303435	377.89	457.33	416.33	492.69	515.11	462.68
303455	340.65	175.06	194.60	435.97	457.37	277.01
303461	301.97	296.81	472.30	209.78	892.74	260.79
303482	250.85	187.16	332.03	191.58	278.36	322.23
303484	282.26	103.73	299.01	170.92	299.98	152.10
303487	123.25	147.41	207.02	244.85	272.09	220.77
303490	134.54	162.77	280.03	171.19	334.52	145.97
303567	458.42	400.41	338.81	554.85	463.83	400.60
303584	592.60	586.20	445.02	317.41	563.44	503.63
303607	600.81	2599.47	374.68	558.73	424.69	286.52
303639	289.55	348.39	318.30	326.25	406.35	224.13
303657	2528.62	4226.91	3237.63	3285.38	4896.25	2697.73
303659	316.59	353.74	232.46	187.36	322.96	255.48
303682	323.45	268.01	222.30	357.85	328.35	329.69
303688	432.51	472.35	673.03	342.04	446.68	399.98
303700	1103.25	1278.30	1214.04	692.41	750.07	1282.39
303703	126.63	272.88	233.96	160.26	198.67	138.34
303719	405.86	314.54	304.19	264.66	463.40	553.23
303727	258.42	164.14	339.65	143.72	488.31	235.16
303732	277.34	299.05	495.55	249.46	194.56	170.81

303755	371.42	518.69	384.51	437.69	560.94	659.85
303758	327.66	425.77	615.24	391.14	508.06	369.86
303766	847.57	569.61	836.09	546.39	682.76	616.43
303797	104.91	194.87	179.13	229.56	2504.71	159.47
303805	185.35	160.43	42.02	140.56	353.43	283.16
303817	347.92	351.46	272.50	562.44	210.70	269.13
303843	1034.14	700.02	1530.68	684.31	865.52	795.13
303901	277.01	202.33	267.63	214.59	368.64	235.72
303916	295.57	163.60	431.41	182.94	754.22	291.53
303925	114.43	198.71	202.54	310.82	265.32	178.17
303954	678.62	435.53	417.99	207.43	679.67	306.90
303957	445.06	240.46	391.30	393.10	203.24	147.77
303962	266.57	259.30	276.55	283.03	358.33	286.95
303973	384.91	356.35	273.44	280.03	529.64	359.05
303982	288.50	365.84	172.89	115.38	371.78	246.80
303983	222.42	268.78	258.84	155.10	426.34	241.32
304005	153.90	142.77	173.17	214.09	255.77	345.12
304008	593.97	337.64	297.28	178.45	268.12	350.34
304038	242.45	217.46	213.23	306.73	542.62	350.03
304111	344.68	293.94	288.94	206.16	309.57	312.42
304116	111.25	252.48	198.94	147.34	231.98	275.74
304139	278.44	154.83	351.04	317.61	512.27	342.81
304156	6884.87	4677.89	4809.50	2089.56	9935.48	4143.85
304158	424.84	304.45	257.99	238.90	379.82	416.92
304194	219.15	153.25	132.04	325.15	547.36	270.93
304260	250.92	308.20	293.77	295.84	586.02	290.49
304278	272.68	197.35	201.02	182.25	250.42	310.78
304281	1262.07	1064.69	1496.54	603.62	693.34	745.48
304310	290.39	308.68	363.60	245.95	501.88	289.70
304317	358.44	322.81	174.62	165.77	536.49	248.77
304333	686.30	576.38	361.39	511.43	344.40	506.42
304340	486.44	438.82	211.53	424.13	379.62	266.36
304359	332.28	289.96	247.42	142.31	393.43	217.65
304379	237.99	213.01	215.44	252.85	399.30	396.15
304385	298.81	320.29	458.79	128.78	451.01	468.58
304397	278.99	281.96	266.17	155.68	253.96	287.66
304410	138.29	135.82	120.83	137.21	196.12	163.23
304430	262.14	170.05	118.56	246.84	508.04	244.51
304455	326.96	228.00	219.65	331.31	193.70	349.30
304456	166.23	413.35	143.41	310.24	607.00	400.28
304466	335.60	298.65	217.09	264.92	385.22	214.40
304467	789.91	1184.77	1190.05	867.40	1192.75	1118.75
304478	190.42	233.28	135.85	146.79	526.20	143.79
304479	138.88	252.82	168.33	163.21	462.92	207.89
304484	376.50	178.87	284.73	299.45	610.37	371.74
304513	321.04	550.11	334.98	397.89	520.97	481.94
304550	441.17	235.26	229.22	272.82	531.80	129.79

304554	291.11	192.43	251.78	156.81	297.35	295.02
304580	170.80	213.72	157.00	199.36	392.77	199.09
304617	188.00	177.14	213.31	172.42	395.44	144.77
304630	248.95	292.60	343.28	777.60	514.86	580.42
304660	331.43	300.10	363.04	280.40	328.81	265.95
304701	311.28	322.93	367.63	262.20	294.06	262.23
304720	119.40	212.90	124.58	314.35	353.79	187.18
304754	423.75	279.75	253.56	595.76	477.50	399.61
304843	252.44	226.98	289.02	384.35	394.42	361.03
304855	297.12	208.74	273.02	166.18	440.42	266.31
304895	144.70	132.45	157.40	270.37	325.16	203.86
304938	257.55	333.89	151.56	328.10	317.34	427.24
304956	319.03	260.09	339.73	136.60	386.20	187.04
304961	222.03	182.48	171.59	192.41	220.27	204.72
305023	324.98	274.99	311.59	321.73	605.56	490.27
305056	150.56	543.79	445.95	161.39	706.00	317.59
305065	249.42	207.88	319.51	138.34	456.25	258.39
305089	89.98	197.65	146.40	154.11	382.85	217.92
305139	150.78	150.88	241.78	185.69	285.27	151.51
305143	327.04	304.31	213.24	243.18	477.21	205.73
305147	419.07	396.35	292.38	357.24	938.49	701.54
305151	249.55	391.45	338.77	351.22	415.66	229.43
305157	629.72	522.65	395.26	540.80	930.97	1536.84
305171	242.87	365.63	267.88	145.00	391.33	203.14
305185	239.08	372.61	340.93	226.51	635.78	368.05
305193	494.42	911.53	950.69	752.19	1041.42	939.77
305197	344.61	293.52	321.36	270.12	355.38	455.31
305205	219.68	200.55	313.61	119.06	269.30	215.76
305222	196.24	236.82	331.48	192.18	410.14	278.06
305255	188.41	229.54	214.87	296.45	553.42	369.59
305278	386.30	319.47	167.32	270.02	599.04	307.95
305309	313.23	353.01	723.24	259.36	355.63	259.50
305335	2669.47	1439.39	1217.39	1349.54	4133.49	1888.97
305337	312.69	403.72	300.47	274.23	686.29	196.42
305366	947.72	948.25	626.99	489.36	761.61	872.73
305378	3566.68	4646.65	3309.42	2500.41	6314.55	3549.24
305396	283.03	228.59	230.17	153.54	242.22	158.49
305400	289.21	220.56	247.08	250.22	173.56	149.69
305439	264.47	269.00	465.72	244.52	972.38	427.85
305463	228.72	246.29	246.65	222.13	955.12	452.29
305531	153.82	196.18	179.68	303.41	160.78	143.76
305543	268.29	342.48	153.84	240.23	301.73	275.44
305557	278.71	299.57	195.62	170.51	599.92	145.95
305559	361.98	678.28	531.76	568.06	547.16	418.84
305586	387.49	529.81	1361.56	189.38	560.83	329.91
305590	148.29	215.82	253.66	313.05	122.27	244.44
305601	179.76	263.02	170.05	92.94	278.93	311.36

305649	216.16	296.31	78.25	225.78	1136.26	394.24
305669	214.24	329.45	223.67	239.95	285.23	140.00
305684	317.35	189.48	220.66	188.79	254.35	228.81
305687	247.89	352.36	227.02	387.69	488.42	493.05
305705	178.11	259.12	340.77	338.13	166.40	289.76
305711	370.19	171.48	202.33	211.27	535.03	217.77
305716	554.77	941.94	485.98	430.42	1066.79	489.32
305721	429.37	349.89	292.16	173.62	416.45	231.56
305729	111.66	382.36	263.95	237.57	377.32	232.38
305754	227.20	327.20	312.23	161.35	234.32	227.90
305759	381.56	571.65	716.33	1262.84	1123.00	639.85
305778	144.57	165.42	159.39	132.64	337.39	161.37
305822	252.54	251.12	290.95	160.32	720.81	291.99
305846	424.93	881.66	717.06	324.39	412.75	374.26
305854	319.38	323.88	337.23	453.79	457.12	358.49
305864	290.42	225.13	195.40	362.59	457.95	274.33
305901	362.21	619.50	456.18	295.54	518.92	455.68
305924	343.37	240.03	370.85	222.96	265.04	292.52
305928	272.38	100.89	203.65	305.02	773.91	119.27
305939	199.02	247.11	232.49	210.75	316.81	361.63
306013	609.37	283.21	529.84	235.53	429.84	285.04
306025	993.43	1892.42	853.09	1025.92	3414.41	1597.80
306036	672.21	547.61	474.61	429.51	1174.72	885.29
306042	364.55	500.27	266.76	190.36	563.27	247.82
306044	265.54	652.51	363.98	387.13	591.46	375.00
306055	408.14	599.85	283.56	196.32	463.74	346.16
306082	629.48	777.28	2785.51	608.68	1686.05	1165.75
306096	138.18	393.83	250.47	257.07	568.10	393.32
306111	3301.81	3065.93	1143.22	1095.74	1578.92	2093.01
306169	194.41	395.83	276.69	414.44	385.94	178.72
306188	194.22	428.12	344.21	370.00	677.55	433.67
306200	240.84	216.83	366.48	166.37	345.62	209.73
306206	309.27	282.97	380.46	202.46	872.88	235.67
306262	473.49	479.60	383.21	438.58	873.05	684.69
306289	160.06	155.16	277.11	235.98	345.62	209.04
306290	407.76	86.90	268.03	301.28	369.32	280.08
306349	261.98	275.18	3307.48	238.32	320.87	298.25
306365	509.37	891.99	683.09	634.87	833.11	782.58
306391	169.95	395.49	340.34	340.22	225.14	220.74
306410	407.16	343.16	229.82	217.74	190.23	149.59
306448	2218.78	4647.75	2372.95	2415.97	3243.67	2046.90
306454	3445.97	2171.35	2246.97	2029.71	3674.29	2616.21
306468	207.22	227.86	179.86	140.22	319.09	197.61
306483	1707.75	1773.47	1454.14	1166.22	2211.79	1496.00
306485	188.46	175.91	234.82	190.98	310.38	214.77
306516	345.50	510.94	506.09	249.35	663.80	287.73
306521	200.64	275.31	180.47	186.22	291.44	206.41

306595	534.93	861.49	508.71	1151.72	922.84	782.59
306596	267.04	151.50	249.70	202.18	603.02	321.29
306600	1134.78	699.14	790.94	629.26	1450.80	1225.33
306661	643.51	332.43	437.91	221.83	423.02	719.32
306687	305.02	277.52	290.87	272.05	485.63	335.14
306698	265.94	475.09	637.29	360.00	527.63	379.78
306701	302.58	314.34	157.85	208.82	287.29	160.91
306706	226.68	219.15	266.75	129.19	2095.81	329.98
306707	162.52	206.36	262.14	275.56	417.18	286.74
306708	226.09	145.22	246.68	170.38	143.98	209.83
306753	233.42	244.92	188.20	307.17	752.50	225.82
306756	308.13	266.95	324.49	397.56	612.81	379.86
306837	183.55	188.53	243.48	186.04	220.98	80.14
306849	394.41	111.62	268.41	149.40	512.68	311.52
306866	436.97	308.08	302.93	188.38	537.33	315.58
306867	700.75	240.47	412.25	319.83	681.20	307.31
306961	250.18	285.79	341.64	111.06	372.29	184.31
306964	185.47	152.80	146.17	108.31	396.77	119.47
306985	468.56	310.31	327.31	278.83	202.36	238.09
306988	165.77	335.21	2353.27	363.75	184.62	231.71
307000	196.49	241.38	345.98	219.13	339.69	212.61
307024	129.54	407.11	246.39	163.27	168.27	162.05
307028	423.83	322.12	396.24	212.67	839.83	319.15
307057	470.54	122.18	214.34	287.45	523.01	182.67
307067	271.93	123.35	280.26	122.92	339.99	184.58
307071	386.10	99.03	267.35	731.46	420.32	239.18
307091	232.87	301.05	455.58	170.85	404.58	187.95
307095	733.83	927.65	982.08	455.16	396.18	343.95
307122	228.92	208.67	221.20	179.79	223.74	199.73
307146	224.33	169.62	229.28	403.31	268.59	251.53
307147	424.56	219.62	269.18	229.26	357.69	326.44
307149	879.04	444.59	471.71	637.81	560.47	987.98
307151	199.87	164.46	403.89	106.94	298.93	384.22
307169	316.70	149.66	151.88	178.66	633.28	1698.66
307199	239.26	172.86	230.91	182.81	527.80	311.26
307231	618.23	686.26	292.38	529.70	1106.84	908.79
307239	193.60	276.48	203.13	301.53	285.94	233.60
307269	231.53	166.75	231.38	204.94	171.29	214.00
307295	353.86	539.18	222.63	417.39	326.35	327.14
307318	543.26	556.17	384.03	350.62	897.91	313.79
307333	910.42	1277.27	833.93	655.82	841.53	980.55
307343	432.08	503.97	320.73	722.61	961.93	597.53
307417	332.20	520.77	252.45	335.31	467.92	191.50
307478	171.74	287.99	233.22	285.21	271.85	180.12
307485	586.27	338.25	420.95	400.74	553.97	308.81
307512	686.31	399.87	524.39	441.38	503.66	505.06
307562	360.17	191.34	182.19	207.62	332.35	207.71

307588	489.29	396.34	245.70	411.35	480.24	252.13
307602	3327.37	2682.27	2510.81	1089.73	2534.12	1921.58
307688	670.52	1777.12	1836.82	1214.89	896.66	862.41
307692	401.59	125.36	151.44	151.39	335.53	196.85
307734	173.37	135.42	196.80	97.44	175.76	301.00
307749	222.97	167.53	138.53	140.57	615.18	146.40
307774	311.19	283.80	223.50	316.70	507.97	500.50
307787	307.41	211.95	93.72	210.39	593.58	497.34
307797	308.18	513.74	370.42	307.60	743.62	372.92
307808	250.71	332.31	268.17	304.08	440.55	292.33
307817	241.37	277.35	1301.38	414.07	199.13	410.10
307827	324.74	468.62	289.24	227.42	306.47	260.85
307828	491.80	262.56	253.95	228.92	537.23	589.62
307845	246.21	297.57	349.39	246.43	442.00	321.84
307847	171.59	232.42	275.15	227.02	400.84	306.52
307853	233.44	249.30	340.52	163.41	718.88	249.97
307892	181.62	188.63	246.78	76.38	265.32	254.44
307916	263.29	303.62	277.16	215.29	651.39	277.86
307921	175.27	439.89	479.62	490.03	477.82	228.62
307943	369.49	413.56	375.91	428.31	696.95	564.18
307944	870.49	515.18	790.60	408.54	1115.04	718.96
307981	304.09	433.88	423.82	251.66	743.80	381.09
307996	154.07	328.10	191.03	270.25	392.04	207.25
308009	257.61	329.85	185.22	161.80	326.85	234.99
308021	276.99	394.59	240.14	260.55	691.01	371.38
308032	321.32	217.37	238.65	259.64	188.83	289.15
308055	364.04	152.03	289.93	360.59	544.89	1602.17
308058	179.32	298.69	163.92	281.24	395.53	261.26
308117	303.52	104.86	152.03	139.57	348.26	147.52
308129	270.37	246.17	355.27	259.75	370.89	194.93
308131	305.42	231.11	238.30	151.35	435.66	261.63
308136	305.37	235.07	274.81	320.30	253.08	271.73
308141	406.74	675.23	546.53	334.95	527.84	413.59
308143	400.99	457.79	220.73	368.68	411.47	387.72
308157	240.70	918.79	347.05	232.81	368.68	535.83
308179	200.60	278.18	223.93	208.04	371.38	279.37
308193	374.18	593.36	352.85	351.09	790.32	333.88
308239	180.96	119.40	143.32	185.35	174.28	188.72
308247	235.99	484.41	353.66	315.32	606.48	192.66
308281	395.01	342.59	260.35	279.40	427.24	459.04
308306	292.28	177.79	471.26	146.51	258.75	151.02
308308	133.04	170.16	110.52	121.63	391.11	224.99
308336	255.82	254.35	246.05	124.51	391.39	247.54
308377	136.34	158.05	546.69	197.05	315.27	255.11
308384	253.11	368.19	254.59	275.42	290.59	258.46
308387	517.76	468.30	436.25	449.00	1050.77	562.83
308395	1253.18	1606.07	1412.12	1384.03	2404.10	1984.75

308406	207.94	174.60	265.56	228.54	373.70	200.94
308419	180.35	500.68	63.04	183.62	260.14	315.85
308421	182.56	139.55	165.80	131.33	368.37	175.43
308461	270.31	195.77	137.29	274.75	257.86	150.83
308471	297.50	390.41	140.75	434.82	706.68	453.21
308508	221.17	231.05	193.52	167.92	195.38	160.25
308517	526.85	249.70	261.93	412.34	534.04	229.01
308525	721.78	916.25	390.94	737.48	832.09	429.56
308545	301.74	203.26	265.14	234.68	350.82	411.99
308550	262.58	297.68	214.04	192.57	428.48	248.33
308602	200.34	167.60	186.98	257.34	338.24	225.56
308605	375.69	295.86	206.88	287.24	336.27	258.77
308635	398.05	665.40	500.07	291.91	520.35	288.39
308640	354.39	458.67	322.93	257.74	562.10	259.24
308675	218.52	311.38	174.78	232.18	465.21	236.35
308676	259.61	121.51	180.07	155.99	146.53	192.13
308723	334.68	227.88	317.21	289.46	288.42	260.28
308725	295.48	268.41	174.88	227.99	462.11	291.64
308754	583.65	471.17	761.21	297.10	582.39	603.85
308761	348.50	260.97	634.21	307.13	572.01	314.66
308766	311.35	332.61	383.08	231.26	369.04	378.46
308784	488.01	925.64	411.14	583.83	790.77	516.32
308790	159.94	153.87	146.81	255.93	195.64	224.47
308793	167.77	517.59	254.03	206.36	468.39	213.98
308822	321.34	200.66	191.34	238.81	311.89	186.22
308836	242.04	166.94	166.59	227.12	299.23	279.96
308846	267.93	442.34	345.54	391.07	467.91	271.53
308858	170.95	301.92	317.90	133.05	274.82	255.20
308861	464.12	329.76	245.99	283.46	454.65	316.21
308907	186.25	182.71	137.80	269.29	184.43	170.67
308913	144.72	271.82	323.26	376.77	230.80	242.70
308943	3159.47	1352.02	1070.22	797.89	1096.07	1297.34
308947	235.40	66.78	198.76	221.59	369.08	235.18
308985	1140.16	1729.58	1337.79	526.08	918.62	915.99
309006	256.07	244.04	116.93	357.30	511.15	345.17
309023	264.86	174.03	256.76	145.93	320.39	369.64
309033	65.20	162.31	209.08	141.67	208.03	232.45
309034	519.30	433.59	767.08	352.64	408.01	343.55
309042	1026.14	1756.27	822.78	1209.04	4551.13	2935.32
309058	298.62	188.78	331.42	213.11	418.83	256.16
309086	471.22	554.45	291.27	667.16	722.77	1186.19
309091	531.49	286.21	244.48	216.46	804.98	340.49
309098	317.32	189.69	163.66	222.27	256.48	233.85
309111	371.98	401.12	290.43	221.13	414.75	555.19
309120	753.84	1170.83	704.42	770.95	1704.84	1151.36
309126	1012.18	1064.01	638.42	650.91	1138.36	914.66
309143	3683.32	6112.61	3456.16	3723.26	9267.56	6339.46

309186	531.98	527.59	290.49	252.89	1033.71	428.43
309203	301.06	265.50	250.19	276.61	662.65	360.89
309205	270.16	294.24	202.29	301.11	1064.66	2423.97
309248	268.13	221.37	329.17	150.45	504.99	388.85
309252	325.68	338.77	144.42	210.63	478.31	509.15
309261	1459.23	1650.66	943.41	672.96	1736.02	1509.64
309283	215.38	387.70	410.08	398.85	301.88	227.91
309290	245.67	267.30	219.26	342.89	432.89	287.70
309297	563.53	248.93	311.27	265.39	538.31	399.25
309328	208.77	175.29	169.67	157.08	358.78	275.75
309377	443.06	269.59	309.57	285.14	380.07	297.83
309382	240.56	292.74	362.89	259.89	242.83	231.82
309430	340.70	310.38	384.22	263.02	744.53	530.48
309442	211.08	287.35	299.79	497.19	372.39	247.05
309451	541.04	881.87	532.58	885.58	1909.37	1504.11
309460	394.92	511.49	463.89	222.71	603.52	520.53
309470	479.04	585.11	410.69	664.97	937.53	665.53
309487	423.49	218.98	147.00	489.73	440.90	401.91
309553	225.29	221.58	220.93	236.46	251.00	194.41
309584	242.66	575.92	186.00	112.47	414.86	324.98
309588	199.23	248.40	195.34	171.73	394.50	223.30
309617	236.93	239.09	100.33	259.72	319.71	309.40
309624	302.44	455.34	381.47	300.90	519.39	273.81
309644	208.96	151.69	185.84	283.20	175.41	433.17
309651	296.75	594.37	243.25	313.32	525.88	430.73
309675	211.01	581.23	290.75	291.98	478.98	470.72
309734	351.07	365.43	209.27	204.05	530.34	327.11
309759	272.52	314.08	222.01	197.41	380.77	246.69
309760	305.94	456.43	476.05	258.46	651.44	335.61
309778	379.52	167.36	259.46	190.16	430.04	177.92
309779	304.06	319.23	413.80	192.14	430.72	188.00
309783	221.21	191.26	475.62	265.53	414.89	253.08
309800	251.21	248.21	457.76	177.69	577.36	366.56
309805	296.71	332.49	355.44	253.40	901.62	258.71
309811	480.12	346.96	193.61	390.23	940.41	439.17
309815	168.09	274.15	155.55	221.54	357.38	430.15
309824	274.66	338.45	355.21	400.99	604.77	763.64
309847	472.65	376.56	345.60	298.12	437.37	356.39
309860	548.50	220.95	242.90	295.36	336.89	373.98
309866	331.51	302.41	328.80	157.53	633.18	316.32
309879	402.34	451.79	372.69	232.46	619.70	363.17
309885	375.16	403.32	396.96	256.10	354.06	222.89
309889	253.82	245.81	156.99	215.37	326.13	229.00
309908	431.38	198.45	375.54	148.49	620.21	333.52
309937	88.42	245.45	141.30	167.90	293.13	186.57
309949	392.64	233.52	211.49	282.25	531.42	182.69
310004	525.30	420.16	588.33	419.13	650.33	511.58

310009	273.04	201.22	372.68	399.21	265.26	309.52
310034	241.42	106.29	212.40	145.98	184.29	180.19
310061	474.74	1011.85	425.27	548.78	1007.16	740.75
310064	376.70	518.96	402.44	432.73	576.35	392.97
310072	188.95	195.64	395.86	309.40	327.80	324.65
310106	150.40	134.52	106.27	277.26	319.42	194.82
310120	532.26	314.43	209.60	241.82	494.88	443.91
310123	259.59	393.64	325.61	300.67	399.63	210.62
310124	310.25	234.92	295.11	272.19	432.07	222.69
310130	209.22	318.29	203.19	89.26	296.97	299.65
310139	433.45	517.10	293.49	217.14	402.69	276.76
310174	180.33	196.99	201.67	167.42	435.33	254.33
310187	205.69	205.78	185.64	234.80	1033.24	274.13
310205	437.46	244.21	162.79	130.77	202.91	256.99
310210	123.58	341.25	172.37	256.87	202.68	175.57
310231	243.18	290.91	301.29	132.53	507.94	277.16
310233	445.44	610.92	219.98	265.18	680.81	479.96
310265	434.30	353.16	205.98	244.56	634.55	219.35
310294	1018.71	651.71	479.45	725.11	1191.81	796.76
310335	423.75	385.13	265.93	463.99	769.36	683.42
310349	152.65	162.92	148.16	183.90	167.97	171.72
310368	148.23	75.01	127.94	113.31	418.00	239.24
310400	302.53	384.46	248.24	215.19	232.76	255.28
310407	212.55	273.67	142.63	204.46	519.72	258.89
310410	264.32	135.19	220.85	283.84	239.69	165.36
310414	448.90	254.60	370.52	510.12	465.97	699.27
310434	320.54	448.43	241.03	321.17	320.49	285.62
310452	252.85	223.24	233.31	239.80	437.09	289.43
310457	193.83	275.30	334.30	336.56	689.34	239.99
310484	273.86	500.20	173.83	154.02	178.54	537.90
310498	261.17	293.86	236.89	244.05	329.10	152.65
310513	258.70	300.15	218.30	224.56	416.26	310.38
310517	212.95	424.07	276.67	165.79	393.95	317.46
310551	224.02	160.46	210.59	257.47	308.31	215.53
310556	497.59	366.01	307.29	431.64	578.51	572.10
310587	70.89	53.32	141.89	78.70	90.24	103.31
310647	359.03	242.58	177.03	170.37	357.73	320.79
310662	214.55	665.16	350.43	321.48	568.99	256.68
310671	179.72	219.44	518.81	444.42	471.53	283.90
310681	564.94	470.75	424.38	536.82	587.33	441.97
310716	884.71	717.84	723.59	518.20	1162.52	1029.56
310731	301.13	280.22	184.18	167.21	301.08	284.35
310752	339.99	316.39	229.59	176.40	338.31	261.39
310764	261.61	442.78	455.92	269.09	745.58	227.81
310766	454.31	373.17	259.59	280.41	402.26	338.52
310772	229.31	195.01	231.10	302.99	235.28	287.98
310801	231.31	186.57	144.97	209.84	350.21	301.12

310810	313.12	499.23	341.14	229.85	564.49	245.54
310811	422.01	240.46	301.64	151.69	356.43	296.72
310836	168.34	409.72	371.10	301.31	637.71	428.51
310840	132.85	220.43	280.38	399.72	625.22	329.54
310863	187.81	407.02	402.89	170.83	610.61	418.80
310869	160.73	210.94	157.10	165.13	170.89	150.60
310877	310.29	178.17	157.22	315.07	370.78	473.31
310990	391.37	253.67	315.28	244.04	589.41	233.16
311006	588.92	497.34	334.17	271.18	560.85	451.87
311048	212.73	266.26	177.90	233.15	207.16	313.95
311052	442.55	711.75	232.97	463.72	1041.88	348.47
311086	1160.40	529.88	1212.68	228.92	634.03	673.44
311095	269.75	150.89	232.94	156.18	209.76	66.20
311119	453.34	464.76	275.54	231.44	510.85	516.42
311131	368.01	494.91	912.07	157.96	285.42	363.31
311137	415.54	351.35	231.31	371.99	627.27	389.01
311160	382.58	395.32	388.37	310.93	382.77	268.13
311181	1208.11	882.15	1351.34	603.74	1224.91	631.49
311184	264.93	297.31	251.74	356.18	562.88	644.82
311190	552.65	359.34	625.55	479.52	347.35	230.80
311243	211.81	204.80	202.89	198.19	423.66	230.03
311251	395.47	384.71	239.50	253.89	427.30	480.94
311255	447.83	260.71	251.65	314.31	528.79	429.26
311257	1941.32	2009.91	2264.39	684.37	901.95	916.25
311342	319.83	350.23	306.67	286.14	749.88	107.18
311389	185.34	225.44	254.51	172.01	373.46	158.14
311394	260.86	379.75	431.01	235.84	403.85	267.50
311396	215.42	183.01	280.46	244.82	328.40	171.43
311416	236.31	285.64	233.77	216.40	343.57	187.01
311417	340.46	472.84	349.46	321.65	591.86	479.69
311434	189.85	237.26	163.64	329.26	327.75	199.80
311449	341.79	434.92	271.37	204.16	255.34	300.10
311493	226.89	381.32	310.66	366.58	663.82	463.22
311530	214.45	238.42	216.63	228.82	388.18	303.27
311542	302.71	406.70	96.59	87.74	531.55	385.47
311584	765.32	722.97	673.87	592.13	1044.36	826.26
311624	393.61	190.61	480.20	222.53	816.67	252.70
311637	134.24	217.09	271.64	216.48	952.50	347.37
311643	247.75	235.49	381.70	167.94	295.06	230.13
311659	1521.65	2753.49	1631.33	1137.81	2943.51	2749.16
311678	307.67	207.31	148.57	209.34	249.29	170.40
311694	1357.45	768.46	520.93	863.32	1316.25	2933.21
311734	1168.59	1464.26	1102.58	1061.65	1624.48	859.03
311758	228.80	314.18	549.33	328.71	407.45	271.82
311769	464.48	173.42	270.01	298.35	163.28	222.18
311790	183.25	250.14	179.35	201.76	201.07	159.08
311817	181.89	366.54	255.99	282.58	648.03	230.63

311821	169.20	200.59	193.01	169.66	303.51	152.34
311833	269.51	336.98	195.23	376.82	492.01	289.26
311856	454.02	503.83	273.05	511.63	838.75	518.90
311876	407.84	266.19	200.85	117.76	499.06	234.27
311919	201.54	145.83	221.52	293.39	235.33	196.72
311946	131.87	209.97	180.35	203.58	228.29	161.58
311995	281.34	181.81	183.96	156.25	288.19	216.42
312013	314.08	406.83	381.79	288.65	1215.88	493.29
312020	292.05	259.76	287.24	292.28	454.31	296.87
312029	191.30	153.56	239.78	138.69	453.96	227.13
312031	147.04	304.26	322.84	202.43	280.32	186.15
312067	254.81	184.43	543.65	274.98	1301.70	240.33
312080	236.09	282.52	253.12	130.25	276.00	174.54
312088	177.48	183.21	312.97	55.37	405.42	135.24
312133	292.68	566.48	378.65	535.63	515.38	303.81
312135	465.73	398.73	445.12	245.51	308.56	358.22
312137	197.03	202.32	434.74	327.35	334.33	213.88
312148	508.11	660.21	453.69	329.04	778.96	776.24
312162	407.00	346.44	485.50	441.58	790.64	559.72
312168	182.02	146.01	101.51	159.03	177.87	248.30
312249	466.37	334.43	237.93	415.32	565.84	444.55
312274	517.11	289.39	418.85	259.70	449.58	406.39
312292	94.54	94.58	173.00	251.20	250.62	258.85
312322	494.17	474.23	341.87	507.14	1162.25	455.09
312356	250.64	358.53	413.60	363.35	365.94	332.46
312376	968.85	652.80	397.78	442.73	893.04	545.54
312391	316.61	383.87	512.15	150.30	315.80	267.75
312450	1994.45	767.45	890.11	689.00	1676.87	1476.29
312503	326.57	363.07	237.02	248.69	1040.78	416.26
312549	243.65	239.91	228.68	407.29	217.09	573.30
312581	953.10	1242.18	791.65	896.80	1607.51	881.40
312593	240.14	351.41	178.13	277.18	540.84	369.13
312653	411.77	330.53	553.97	195.93	549.68	439.55
312697	432.03	437.53	250.86	308.35	983.05	476.73
312704	674.93	466.70	245.23	256.64	494.89	553.75
312707	163.69	239.12	195.08	100.63	252.27	317.32
312711	629.46	312.38	194.21	236.84	362.02	315.39
312739	318.69	222.12	261.18	235.30	410.21	252.40
312743	154.99	298.10	221.90	203.43	277.33	148.96
312744	368.73	305.88	211.78	333.80	634.88	294.56
312780	462.60	246.59	264.11	144.76	958.62	209.20
312787	380.00	339.80	303.87	288.53	370.29	283.09
312791	217.30	242.25	199.56	113.86	539.73	290.95
312816	528.12	723.61	719.48	589.59	628.02	608.79
312829	257.19	364.15	234.97	223.46	502.15	198.20
312835	237.19	483.59	221.85	377.95	521.19	382.18
312883	80.50	195.30	298.46	206.44	297.64	284.26

312891	585.08	993.29	795.60	683.38	1209.10	1165.92
312895	212.63	171.53	98.95	215.59	426.54	228.62
312925	633.09	718.27	462.20	494.94	704.05	395.18
312951	175.23	413.04	207.41	283.31	389.33	250.27
312996	321.21	354.82	3774.25	226.59	653.87	335.57
312998	290.92	276.98	202.26	208.04	405.56	1734.94
313009	255.13	195.59	112.24	162.45	340.66	198.93
313014	137.13	387.75	142.80	306.49	284.13	206.23
313028	355.46	280.69	257.65	120.84	688.05	297.11
313055	207.45	123.53	163.40	175.71	396.78	227.21
313098	235.99	295.49	1182.18	306.05	606.39	250.97
313129	262.14	342.45	356.33	191.94	569.04	430.82
313142	412.60	454.22	448.41	331.12	696.43	392.82
313167	190.50	219.67	240.80	189.55	337.75	221.92
313245	569.99	134.96	237.80	339.76	316.61	353.78
313282	411.96	797.01	494.09	269.06	754.31	421.81
313325	88.27	191.41	124.09	190.70	237.79	312.92
313335	225.94	307.31	225.95	156.21	478.55	162.51
313336	476.21	326.12	193.96	75.61	555.70	327.05
313342	181.20	112.99	143.58	221.04	299.68	312.91
313345	145.89	116.18	139.15	344.62	341.77	154.08
313346	436.59	302.26	252.29	157.68	540.78	284.47
313388	319.36	286.79	328.63	317.36	596.56	466.54
313398	320.85	357.46	265.28	245.72	686.50	527.92
313402	482.86	811.67	431.77	384.62	1199.98	685.06
313407	244.67	331.03	300.34	363.94	379.53	222.95
313414	419.99	243.96	249.58	140.30	451.77	304.35
313415	291.54	145.78	224.26	126.84	281.71	377.82
313421	145.12	229.05	99.27	148.44	280.57	208.59
313467	697.29	335.70	502.02	487.67	612.15	650.65
313470	531.14	656.73	591.06	349.87	874.30	568.40
313527	420.10	676.27	295.92	323.73	700.02	542.88
313536	803.23	770.39	634.70	1137.70	2014.96	719.92
313559	353.28	242.84	245.77	228.39	444.40	299.70
313590	439.65	226.78	210.86	349.78	382.48	336.98
313644	544.25	1105.13	663.16	605.35	1235.67	1041.64
313652	1858.45	1299.00	1406.68	805.14	993.89	1576.61
313661	331.66	313.32	206.98	269.93	395.89	183.77
313669	397.87	517.99	504.92	244.19	761.22	316.24
313693	171.06	269.93	141.16	120.14	283.25	169.27
313737	393.67	555.93	336.93	287.33	415.78	285.42
313753	322.88	478.34	324.43	355.29	518.02	383.44
313764	245.49	638.64	214.53	408.25	1364.19	340.21
313790	483.42	447.02	354.08	222.92	526.72	371.03
313803	274.11	341.44	232.31	284.86	420.96	228.14
313808	221.10	259.09	222.07	211.79	369.29	345.40
313864	693.73	655.95	678.72	535.63	583.34	1117.01

313876	327.37	256.24	220.03	133.04	288.11	157.53
313927	237.50	202.93	140.47	134.82	173.77	240.24
313942	398.54	356.34	286.60	387.85	374.93	139.10
313949	351.98	578.32	556.41	314.52	739.56	454.35
313957	183.55	140.02	197.20	143.21	245.40	266.92
313999	368.86	408.93	363.30	400.88	244.99	250.74
314011	300.69	105.33	237.03	168.23	383.49	340.29
314016	513.35	397.93	889.28	578.08	496.80	538.26
314028	182.04	157.09	377.22	210.21	385.84	121.41
314029	548.85	569.66	392.02	496.42	1336.98	291.29
314048	195.60	245.45	377.34	101.33	402.65	301.53
314050	260.39	226.41	211.64	144.27	327.92	245.24
314070	358.07	493.27	254.09	209.64	486.66	322.80
314102	117.93	223.70	150.08	240.14	257.32	92.62
314114	269.60	213.07	279.26	156.81	374.82	208.39
314127	269.15	393.22	373.34	312.14	1015.13	749.02
314159	215.00	290.97	322.53	357.92	202.42	139.05
314264	285.57	334.91	407.50	466.62	481.70	684.55
314308	311.13	256.67	285.88	331.60	376.02	283.83
314325	178.82	301.32	271.31	227.92	141.26	80.41
314328	220.83	274.13	210.10	155.20	308.71	169.48
314329	463.53	205.97	440.50	234.32	488.47	394.68
314346	199.33	251.62	269.38	459.35	318.60	201.62
314374	328.77	141.94	216.08	134.42	420.21	134.99
314402	275.78	184.47	194.40	143.10	351.80	264.02
314424	174.48	315.28	228.85	181.53	387.16	207.62
314434	1311.94	2609.07	1490.66	1139.27	1328.45	1656.91
314470	585.79	526.67	285.30	219.09	777.83	420.56
314506	310.85	183.87	207.62	270.48	510.87	207.72
314528	153.94	139.57	215.04	231.54	260.57	273.45
314537	200.45	178.61	164.21	426.42	307.13	139.35
314556	217.57	203.73	210.38	217.70	498.36	349.35
314586	1654.03	2188.38	1720.69	1095.92	1446.81	1292.33
314598	234.35	262.53	239.22	179.12	474.93	322.99
314631	702.52	471.65	328.99	764.46	688.50	794.70
314636	1288.35	656.51	845.17	579.68	560.41	815.30
314650	140.87	220.89	397.22	229.51	255.87	149.11
314651	458.93	225.48	540.12	248.03	471.53	282.43
314652	208.40	279.35	223.61	189.52	218.89	136.86
314654	594.89	1317.02	733.30	2306.14	3440.92	2194.00
314661	317.91	259.50	665.14	675.17	333.83	372.98
314711	292.36	273.78	255.50	169.61	354.57	164.37
314714	749.00	371.71	238.04	482.20	667.09	478.15
314724	334.16	398.29	207.71	363.55	245.85	250.81
314727	229.64	972.50	469.95	485.39	761.84	898.96
314757	272.12	495.47	211.17	350.50	384.70	368.83
314856	121.33	155.93	239.90	335.48	235.94	225.79

314968	945.80	1441.67	763.79	421.85	1509.12	1482.03
315022	383.40	184.92	228.97	78.25	603.70	191.67
315030	632.15	569.46	1743.90	1001.45	3548.51	1503.09
315068	254.62	402.51	218.95	240.99	311.38	245.01
315101	192.26	209.81	401.68	196.20	780.70	165.94
315106	268.97	249.50	341.57	293.29	438.63	329.60
315111	247.37	334.52	290.16	336.70	248.09	246.14
315112	645.60	346.31	456.60	315.53	410.08	233.77
315141	439.33	796.70	538.68	276.60	673.02	447.46
315151	289.75	188.44	274.79	198.58	258.87	300.66
315176	403.13	375.67	533.83	302.73	532.31	323.18
315190	991.00	427.00	311.18	935.07	615.08	402.86
315206	268.73	265.55	143.00	310.30	578.84	766.93
315249	209.41	170.73	107.10	203.50	516.26	111.11
315253	215.99	278.23	158.79	323.10	344.87	384.64
315294	2234.51	3639.50	1788.53	1914.31	6989.19	2580.33
315341	252.34	237.52	190.54	105.79	485.09	306.20
315353	464.42	368.48	403.10	651.52	960.57	477.85
315355	406.98	420.46	363.75	507.85	417.20	371.83
315356	402.48	306.13	336.26	130.21	416.64	343.01
315360	244.25	213.62	308.17	306.55	407.14	161.01
315372	325.76	187.99	256.75	219.85	347.77	686.42
315408	304.40	276.51	163.39	283.26	419.25	338.20
315460	211.77	212.66	256.07	256.09	234.56	215.54
315461	465.80	321.85	441.96	476.78	549.82	334.64
315496	210.26	152.77	205.51	110.40	334.66	126.09
315512	275.78	179.18	324.22	245.67	281.17	393.21
315559	2227.61	1739.96	1676.05	1173.37	2074.46	1613.84
315586	374.03	295.21	276.75	235.18	434.58	267.71
315594	373.29	407.46	286.24	249.24	405.03	310.26
315597	241.80	314.16	182.01	172.37	460.86	197.77
315657	156.72	250.66	106.39	243.84	269.36	104.13
315669	384.05	683.76	1089.75	1158.16	848.16	927.79
315710	481.75	336.56	199.74	205.82	935.29	508.42
315737	255.27	467.59	137.03	304.98	428.95	570.24
315756	374.46	479.42	177.57	197.79	320.09	139.40
315802	606.70	532.65	369.01	335.73	490.13	291.71
315811	268.18	387.98	291.32	111.37	424.79	187.11
315822	460.52	310.96	377.08	320.34	386.75	352.93
315838	1063.99	1385.72	729.95	796.79	1810.55	1469.00
315886	426.84	378.48	3153.04	496.07	500.06	334.56
315892	211.86	197.69	315.40	181.53	398.98	182.90
316006	339.47	404.39	390.98	393.77	609.66	278.90
316013	213.19	306.30	1202.00	391.52	1002.82	414.69
316015	727.05	570.88	463.27	297.40	587.21	599.74
316026	241.21	281.98	171.70	336.67	388.45	325.89
316090	186.20	112.19	246.96	90.98	319.51	104.70

316096	955.80	1095.36	908.14	422.57	1072.18	591.58
316110	285.24	353.49	141.04	168.51	252.24	301.25
316115	409.93	384.50	252.92	317.27	308.00	283.56
316156	163.27	174.01	115.84	234.25	356.76	363.93
316157	243.54	293.65	233.92	250.51	317.67	225.48
316200	119.16	169.94	246.20	214.12	235.57	157.20
316223	482.30	735.55	210.34	611.73	477.54	606.95
316240	408.18	610.93	303.16	315.18	456.55	238.36
316250	268.43	226.90	264.76	482.87	604.20	303.72
316256	278.83	260.33	336.64	416.77	992.26	594.07
316260	262.36	292.11	328.93	246.83	1633.33	222.37
316262	619.94	412.26	364.30	391.45	470.12	347.21
316264	263.60	271.02	211.87	273.33	447.69	448.19
316270	349.24	239.77	280.13	147.76	240.97	447.37
316279	341.28	407.06	602.45	613.38	851.84	593.93
316283	309.41	145.52	193.33	381.83	334.70	241.53
316311	180.00	189.50	175.92	292.10	429.42	300.04
316369	270.44	148.44	311.14	180.41	362.95	216.92
316370	458.36	478.83	393.15	171.24	544.11	307.01
316375	460.16	507.17	461.26	292.39	747.19	333.72
316378	544.20	400.74	517.44	539.89	773.88	662.48
316400	315.72	200.13	219.19	241.12	460.23	281.89
316433	1010.76	1272.90	690.25	366.00	840.69	687.57
316436	798.53	1269.56	1218.17	786.84	1681.09	1896.61
316450	322.14	304.35	213.31	193.38	460.58	148.75
316461	195.07	156.39	200.52	33.98	212.59	276.96
316469	254.70	366.82	210.41	247.87	531.70	290.76
316473	371.78	259.62	425.75	169.00	280.05	304.25
316492	210.73	272.96	175.44	185.93	420.48	201.42
316510	282.59	227.63	428.83	154.85	481.50	737.90
316559	386.80	1228.23	1063.93	486.37	617.52	469.34
316561	531.61	299.46	340.89	298.03	579.94	380.20
316570	226.61	187.42	259.44	178.88	371.73	305.27
316587	339.92	632.87	3917.67	237.07	383.58	499.87
316642	613.06	217.37	301.27	196.09	527.15	707.90
316646	295.30	712.67	550.74	199.05	519.84	273.66
316676	1007.82	866.84	820.91	560.60	824.70	1021.76
316681	323.78	223.13	176.34	299.09	286.11	169.21
316701	249.46	212.90	136.34	182.46	206.31	177.82
316711	503.59	257.44	418.92	301.20	348.80	325.37
316748	186.01	152.07	124.87	150.49	223.23	126.80
316778	256.78	187.76	146.69	225.59	433.12	130.48
316830	661.47	906.34	631.38	510.92	971.10	778.92
316843	265.74	513.26	235.11	270.49	417.11	343.89
316868	182.80	244.10	372.51	86.42	270.36	137.62
316901	243.54	240.85	337.52	354.87	301.88	294.32
316916	272.43	193.96	110.02	254.87	277.32	160.03

316933	524.53	998.93	815.67	1082.17	1632.71	1302.28
316944	244.25	273.13	274.93	285.94	432.80	251.68
316945	264.56	468.14	189.26	164.69	286.94	211.64
316991	215.45	238.98	144.59	326.28	454.48	221.20
317005	202.35	113.86	189.08	229.19	281.74	265.76
317008	215.98	263.32	301.97	365.18	378.58	250.59
317015	386.19	429.45	329.84	362.21	507.15	450.80
317017	281.32	147.91	381.48	236.13	174.73	175.92
317030	166.35	234.74	222.34	173.83	323.21	339.93
317031	189.45	143.56	164.31	225.98	227.60	112.91
317064	369.27	290.94	392.48	215.37	462.38	261.46
317068	622.56	1101.94	518.96	688.62	1365.26	936.35
317099	328.82	198.25	180.67	195.18	285.22	149.42
317132	636.11	807.62	450.29	552.12	950.75	854.69

Slot "se.exprs":

<0 x 0 matrix>

Slot "description":

An object of class "MIAME"

Slot "name":

[1] ""

Slot "lab":

[1] ""

Slot "contact":

[1] ""

Slot "title":

[1] ""

Slot "abstract":

[1] ""

Slot "url":

[1] ""

Slot "samples":

list()

Slot "hybridizations":

list()

Slot "normControls":

list()

Slot "preprocessing":

list()

Slot "other":

list()

Slot "annotation":

[1] ""

Slot "notes":

[1] ""

Slot "phenoData":

An object of class "phenoData"

Slot "pData":

	num	sample	wk
MA001I9	6	11	15
MA000V0	7	30	15
MA0019Y	8	31	15
MA000UR	9	13	19
MA001I7	10	14	19
MA001D0	11	15	19

Slot "varLabels":

Slot "varLabels":\$num

[1] "read from file"

Slot "varLabels":\$sample

[1] "read from file"

Slot "varLabels":\$wk

[1] "read from file"

Slot "varMetadata":

NULL data frame with 0 rows

Slot "Cv":

An object of class "exprSet"

Slot "exprs":

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
297784	0.06	0.05	0.07	0.06	0.07	0.05
297907	12.07	0.32	1.79	5.67	5.18	3.31
297912	0.08	0.06	0.09	0.07	0.07	0.06
297935	1.26	0.49	1.43	1.26	15.30	1.18
297990	2.78	0.28	0.65	0.72	0.25	0.27
297993	0.70	0.56	6.03	0.83	1.23	0.35
298000	0.05	0.04	0.07	0.06	0.04	0.04
298038	6.68	0.44	2.81	0.42	0.79	4.03
298121	0.65	1.84	0.33	1.03	1.54	0.91
298130	1.86	1.38	5.16	2.68	6.48	3.26
298143	0.09	0.06	0.09	0.06	0.07	0.05
298150	3.47	0.92	0.38	0.58	0.28	0.44
298151	2.57	0.27	1.58	0.47	1.18	0.55
298155	1.62	0.30	0.41	0.48	1.55	0.59
298165	0.07	0.06	0.08	0.09	0.09	0.08
298174	0.21	0.06	0.18	0.12	0.14	0.07
298188	0.46	0.27	3.48	0.40	0.32	0.24
298200	0.05	0.05	0.07	0.06	0.07	0.05
298246	0.10	0.90	2.96	2.53	0.08	0.08
298248	0.87	1.54	0.54	0.52	0.51	1.46
298276	0.06	0.05	0.07	0.07	0.07	0.06
298312	2.42	0.33	20.17	0.72	2.19	0.86
298316	0.06	0.05	0.08	0.07	0.07	0.06
298331	0.09	0.06	0.09	0.08	0.09	0.08

298347	101.43	0.41	4.37	765.35	0.37	0.93
298367	0.26	0.07	0.17	0.12	0.21	0.16
298384	0.35	0.15	0.22	0.30	1.42	0.21
298422	0.70	0.98	0.82	0.57	1.08	0.39
298428	0.33	0.31	0.37	0.39	0.20	0.31
298431	0.67	0.64	0.41	4.66	0.68	0.74
298459	0.07	0.06	0.42	0.08	0.07	0.07
298460	2.67	1.07	0.86	1.07	11.24	0.36
298479	0.09	0.07	0.55	0.08	0.08	0.06
298518	0.34	0.16	1.04	0.24	0.05	0.20
298523	3.91	1.48	1.01	19.63	0.73	1.43
298527	0.05	0.05	0.08	0.06	0.07	0.05
298556	2.29	0.21	0.79	0.59	0.17	0.54
298558	0.05	0.05	0.07	0.06	0.06	0.05
298593	0.19	0.13	0.28	0.14	0.23	0.14
298594	0.24	1.20	2.77	2.77	1.85	0.53
298604	0.08	0.06	0.22	0.13	0.09	0.08
298614	0.56	0.11	0.35	0.72	7.39	1.40
298619	0.39	0.21	2.14	0.65	1.19	1.74
298631	0.09	0.16	0.13	0.17	1.14	0.25
298654	2.48	2.46	1.14	0.55	0.43	0.65
298655	0.06	0.05	0.07	0.06	0.07	0.06
298656	1.57	0.70	1.11	2.85	24.90	0.20
298704	0.17	0.06	0.37	0.08	0.06	0.05
298742	6.10	1.30	0.71	5.27	1.14	1.05
298746	0.61	3.96	0.55	0.23	0.67	0.46
298760	1.10	0.56	1.83	0.60	0.49	0.96
298761	0.42	0.10	0.53	0.09	0.10	0.09
298770	0.06	0.06	0.07	0.07	0.10	0.10
298771	1.21	0.93	1376.58	0.15	1.30	7.96
298780	8.79	5.76	0.61	1.27	0.68	1.55
298785	0.09	0.13	0.24	0.24	0.96	0.18
298789	0.41	0.85	0.61	0.57	1.97	1.44
298811	0.21	0.95	2.04	1.02	0.69	0.12
298812	0.09	0.08	0.23	0.13	0.36	0.08
298816	0.06	0.06	0.10	0.06	0.07	0.06
298853	0.07	0.57	0.09	0.11	0.32	0.16
298861	1.47	0.65	1.33	1.40	3.47	1.96
298871	4.27	18.29	5.47	2.88	0.39	9.36
298882	1.32	3.17	3.31	2.82	2.31	1.94
298887	0.06	0.05	0.08	0.07	0.07	0.06
298923	0.10	0.06	0.13	0.07	0.10	0.07
298936	0.11	0.05	0.07	0.07	0.12	0.06
298941	0.27	0.25	0.58	0.37	0.19	0.24
299001	0.64	1.75	19.52	5.92	4.63	0.50
299110	16.19	1.79	12.83	7.28	0.75	2.96
299116	0.06	0.05	0.07	0.07	0.06	0.06

299125	0.48	1.93	0.75	2.46	1.76	0.55
299126	0.37	0.18	0.55	0.53	0.59	0.26
299127	0.60	1.37	6.21	94.86	12.89	0.40
299151	0.36	0.58	1.42	1.05	0.32	0.56
299157	0.29	0.24	0.89	0.27	0.60	2.12
299162	0.05	0.05	0.07	0.06	0.06	0.05
299172	2.69	0.39	0.10	0.22	0.40	0.52
299179	0.60	1.26	0.73	6.35	0.95	0.52
299205	0.14	0.34	1.90	1.42	7.35	0.57
299208	0.06	0.06	0.09	0.08	0.08	0.06
299212	0.06	0.06	0.07	0.08	0.07	0.05
299227	0.34	0.29	133.05	1.15	0.95	1.52
299231	0.20	0.05	0.18	0.13	0.15	0.12
299261	0.23	0.20	6.18	0.51	3.02	1.05
299270	0.46	2.30	0.46	0.81	0.67	0.50
299304	0.10	0.05	0.11	0.06	0.09	0.06
299322	0.08	0.09	0.08	0.10	0.18	0.08
299329	0.15	0.11	0.43	0.25	0.13	0.08
299330	0.05	0.05	0.09	0.07	0.06	0.07
299345	0.05	0.05	0.07	0.06	0.06	0.05
299366	1.31	0.13	0.31	0.06	2.86	0.82
299422	1.88	2.01	0.61	1.01	1.58	38.93
299424	0.10	0.31	0.25	0.17	0.13	0.27
299440	1.83	1.20	0.43	0.45	2.66	5.58
299458	0.06	0.05	0.07	0.06	0.07	0.06
299468	0.95	0.93	1.21	0.60	5.84	1.30
299513	0.33	0.12	0.48	0.32	0.29	0.19
299548	1.94	0.52	2.04	4.53	0.79	2.84
299554	0.23	0.62	1.12	3.57	2.19	1.38
299556	0.33	1.39	1.64	2.07	0.55	0.59
299559	0.72	0.23	1.03	0.76	0.41	2.13
299599	0.89	1.93	1.84	3.13	1.16	0.40
299604	0.05	0.05	0.07	0.06	0.05	0.04
299608	8.46	0.15	2.09	0.29	0.33	2.07
299615	0.95	2.28	77.81	0.62	0.59	1.30
299618	0.06	0.05	0.11	0.08	0.07	0.05
299626	1.16	0.39	25.02	4.54	18.34	2.46
299636	0.70	1.20	0.58	2.30	1.05	1.54
299661	42.09	0.31	11.96	0.21	1.08	0.31
299672	1.15	1.39	0.40	15.68	0.40	0.26
299674	0.05	0.05	0.08	0.06	0.06	0.05
299694	0.14	0.10	2.82	0.09	0.07	0.06
299731	0.07	0.05	0.13	0.06	0.05	0.04
299744	0.21	0.30	0.20	1.04	0.23	0.18
299780	6.56	0.39	0.34	2.54	5.27	0.65
299781	0.34	0.75	0.37	0.90	5.09	0.42
299789	1.69	20.27	1.50	0.47	0.60	1.46

299792	0.24	0.10	0.25	0.41	0.27	0.11
299800	0.41	5.51	0.34	6.20	0.43	0.53
299826	1.32	1.26	2.16	0.88	0.47	0.56
299844	0.06	0.05	0.08	0.06	0.05	0.04
299865	1.43	5.84	0.31	0.62	0.21	0.34
299883	0.05	0.04	0.07	0.06	0.05	0.04
299904	0.37	1.83	1.10	0.76	0.44	4.46
299915	0.12	0.04	0.07	0.06	0.05	0.04
299931	0.05	0.05	0.07	0.07	0.05	0.04
299933	0.33	1.02	1.36	2.05	1.37	0.37
299973	0.06	0.06	0.10	0.09	0.07	0.06
299990	1.62	0.16	0.55	0.65	0.39	0.28
299991	0.12	0.06	0.17	0.10	0.07	0.09
300026	0.05	0.05	0.07	0.06	0.05	0.04
300048	0.06	0.05	0.09	0.06	0.07	0.05
300051	0.27	0.99	4.21	1.97	2.96	0.99
300067	3.69	0.48	0.78	13.28	1.37	4.13
300089	0.75	0.52	1.13	1.62	1.30	1.02
300142	0.18	0.18	0.25	0.30	0.42	0.16
300199	0.15	0.09	0.13	0.28	0.27	0.09
300235	1.18	0.32	0.59	7.33	1.50	0.41
300258	0.05	0.05	0.07	0.06	0.07	0.05
300305	0.22	0.05	0.16	0.07	0.12	0.11
300312	0.05	0.05	0.08	0.10	0.06	0.05
300322	0.15	0.09	0.28	0.08	0.10	0.10
300327	0.22	0.09	0.15	0.14	0.12	0.13
300398	0.67	1.39	0.78	64.79	1.89	0.75
300400	0.26	0.07	0.14	0.17	0.14	0.08
300409	0.06	0.05	0.09	0.06	0.07	0.08
300422	0.54	1.03	0.92	0.74	1.41	0.26
300428	0.45	0.29	21.31	0.19	0.12	0.17
300505	0.06	0.05	0.10	0.09	0.09	0.07
300524	0.90	0.40	0.49	0.19	0.29	1.31
300530	0.19	0.07	0.32	0.13	0.23	0.11
300537	0.87	0.10	0.36	0.25	0.15	0.39
300542	2.23	0.42	2.12	3.90	3.35	12.36
300547	0.08	0.05	0.18	0.07	0.05	0.04
300553	0.08	0.06	0.17	0.08	0.08	0.06
300565	0.46	2.58	1.17	2.95	3.10	1.83
300596	0.26	0.39	0.42	0.38	0.41	0.20
300600	1.44	0.31	0.98	1.76	1.00	0.74
300605	0.06	0.05	0.07	0.07	0.08	0.06
300612	3.63	0.47	0.64	3.64	13.86	0.58
300627	0.06	0.05	0.07	0.06	0.07	0.06
300692	0.90	0.66	0.56	0.89	2.92	0.50
300722	0.46	2.57	1.06	0.90	1.16	0.77
300729	1.28	0.49	0.67	1.50	0.80	1.47

300748	2.38	1.22	10.63	1.28	14.14	2.00
300771	0.60	2.62	2.79	2.20	0.64	1.18
300813	0.20	0.45	31.42	2.43	3.95	0.20
300839	0.72	0.88	0.73	0.48	1.34	23.90
300853	5.23	0.33	0.45	0.34	0.69	1.57
300862	0.06	0.05	0.10	0.11	0.06	0.04
300890	0.33	0.12	0.56	0.16	0.57	0.38
300922	0.05	0.05	0.07	0.05	0.06	0.05
300961	0.51	0.09	0.41	0.14	0.08	0.10
300967	0.30	1.38	1.10	2.19	2.90	0.56
300969	2.01	0.39	0.59	1.17	0.57	0.28
301005	0.05	0.05	0.07	0.06	0.06	0.05
301015	0.47	0.16	0.92	0.37	0.30	0.21
301024	0.60	3.26	0.88	2.76	1.51	0.54
301035	0.05	0.05	0.07	0.06	0.07	0.05
301049	1.08	0.58	1.13	2.25	0.94	0.34
301054	0.24	0.25	0.42	0.21	1.30	0.29
301068	1.27	2.74	0.74	3.69	2.62	0.26
301070	0.63	0.58	0.87	0.81	0.55	65.97
301124	1.19	0.39	1.07	69.33	0.49	0.58
301139	2.79	0.48	0.58	1.01	0.63	0.21
301141	1.16	0.41	0.67	1.05	0.27	0.30
301143	0.08	0.08	0.10	0.11	0.11	0.09
301169	0.15	0.18	0.49	0.15	0.23	0.26
301171	5.34	1.20	3.01	0.33	10.49	0.22
301214	0.06	0.05	0.07	0.08	0.05	0.04
301218	0.55	0.05	0.12	0.09	0.08	0.05
301240	0.05	0.05	0.08	0.08	0.10	0.08
301266	0.06	0.05	0.09	0.07	0.07	0.06
301281	2.65	0.54	9.81	1.15	1.65	0.19
301306	0.83	0.68	0.66	1.59	3.83	0.59
301307	1.63	2.16	0.76	0.68	5.73	1.46
301313	11.87	0.34	1.94	0.24	0.50	79.78
301376	0.06	0.05	0.08	0.06	0.07	0.05
301377	0.30	1.67	0.99	0.97	0.26	0.89
301391	0.13	0.19	0.94	0.20	0.28	0.15
301393	1.63	0.58	0.49	0.93	2.67	0.42
301399	0.46	0.58	12.02	0.21	0.41	0.50
301410	0.67	1.18	0.49	0.32	1.32	0.76
301418	1.03	0.41	0.70	0.97	8.56	0.67
301448	9.15	2.26	1.47	1.21	0.65	2.00
301451	0.69	0.71	1.18	0.70	7.24	0.66
301490	6.48	2.39	2.33	0.96	2.03	1.73
301498	0.06	0.05	0.10	0.07	0.07	0.06
301506	0.05	0.05	0.09	0.07	0.05	0.04
301517	1.46	7.07	1.21	0.69	4.93	12.17
301554	0.21	0.13	0.29	0.23	0.14	0.08

301582	0.08	0.08	0.10	0.08	0.09	0.10
301606	0.27	0.20	0.11	0.77	0.14	0.33
301664	0.07	0.05	0.17	0.07	0.06	0.06
301691	0.05	0.04	0.08	0.06	0.05	0.04
301694	0.41	4.87	0.70	0.62	0.32	1.62
301736	0.62	1.44	0.83	25.36	0.74	1.19
301738	7.36	4.41	18.63	0.93	0.99	0.91
301782	0.05	0.05	0.07	0.06	0.06	0.05
301819	0.09	0.09	0.16	0.33	0.13	0.11
301828	0.05	0.04	0.07	0.06	0.04	0.04
301877	0.10	0.08	0.20	0.12	0.09	0.06
301916	0.74	0.27	0.74	0.84	0.78	0.94
301921	0.52	0.22	2.28	0.32	0.19	0.63
301932	0.63	0.31	2.04	0.45	6.36	2.86
301934	0.47	0.57	0.59	2.23	1.24	0.63
301947	0.49	0.12	4.40	0.64	0.74	133.11
301956	0.06	0.05	0.07	0.06	0.05	0.04
301972	0.08	0.11	0.14	0.09	0.13	0.17
301985	0.06	0.05	0.08	0.06	0.08	0.06
301994	0.19	0.13	0.22	0.19	0.18	0.08
301995	0.85	0.39	4.11	4.08	0.69	0.16
302054	0.16	0.11	0.37	0.18	0.24	0.29
302064	0.16	0.11	0.19	0.18	0.34	0.57
302170	0.07	0.06	0.09	0.09	0.06	0.07
302176	1.12	0.70	1.82	2.17	2.28	2.88
302207	0.67	2.26	0.53	0.46	3.34	0.97
302215	1.14	1.44	2.95	0.40	1.30	0.80
302224	0.72	4.69	7.24	3.14	1.23	0.25
302259	0.35	0.11	1.18	0.50	0.41	0.28
302279	0.05	0.05	0.07	0.06	0.07	0.05
302285	0.05	0.05	0.07	0.06	0.05	0.04
302309	0.81	0.70	0.93	3.37	0.73	0.32
302319	0.06	0.05	0.07	0.06	0.08	0.07
302328	0.05	0.05	0.07	0.06	0.06	0.05
302336	1.24	3.13	1.98	0.25	0.96	0.54
302342	2.84	0.79	0.53	1.54	0.58	0.49
302346	0.34	0.46	0.38	5.57	0.77	1.62
302365	0.33	0.18	0.72	0.32	0.53	1.04
302390	0.43	0.20	0.84	0.10	0.09	0.07
302412	0.31	0.39	0.63	2.28	0.89	1.12
302442	0.31	0.20	0.47	0.56	0.24	0.29
302450	0.12	0.13	0.69	0.11	0.12	0.09
302455	1.37	0.43	4.58	1.24	2.01	0.60
302463	2.69	5.69	0.87	0.81	1.56	3.42
302464	0.39	0.75	2.12	1.38	7.25	3.31
302488	0.05	0.05	0.07	0.06	0.05	0.04
302489	118.91	5.74	0.30	4.88	1.01	0.55

302490	0.49	0.71	0.70	0.44	1.15	5.26
302519	1.89	0.68	12.62	1.04	1.76	1.19
302539	0.64	0.44	0.45	0.54	29.00	6.02
302541	1.18	0.52	0.27	1.55	0.91	0.99
302579	10.86	2.05	6.42	1.32	0.69	1.66
302583	0.16	0.08	0.13	0.13	0.10	0.08
302585	0.14	1.32	8.13	1.33	4.51	0.77
302602	2.08	0.42	1.20	0.96	20.56	25.52
302611	0.70	0.44	0.30	1.75	0.61	1.98
302631	1.58	0.35	0.79	0.25	0.12	0.87
302644	3.13	8.69	1.66	4.92	0.48	0.81
302679	0.14	0.10	0.33	0.18	0.14	0.08
302690	1.42	0.98	1.17	0.32	0.87	1.46
302704	0.22	0.21	0.80	0.12	0.98	1.01
302754	0.43	0.37	0.38	7.51	0.66	4.58
302766	0.06	0.05	0.07	0.07	0.06	0.04
302772	0.07	0.05	0.10	0.08	0.07	0.07
302796	0.05	0.05	0.07	0.06	0.06	0.05
302820	1.86	0.96	0.56	1.37	3.96	1.11
302827	0.24	0.17	0.23	0.23	0.23	0.42
302836	0.70	0.31	0.21	2.54	5.94	0.80
302864	0.06	0.06	0.10	0.07	0.10	0.10
302886	0.05	0.05	0.08	0.07	0.07	0.06
302956	0.06	0.05	0.12	0.07	0.05	0.06
302962	0.23	0.24	1.08	0.40	0.22	0.13
303065	0.44	0.53	0.69	0.88	1.15	1.86
303088	0.28	0.06	0.27	0.13	0.19	0.09
303110	0.31	0.12	0.21	0.42	0.12	0.17
303148	0.45	0.12	0.28	0.21	0.15	0.20
303159	0.07	0.06	0.17	0.07	0.19	0.06
303171	0.54	2.09	4.67	0.75	0.88	3.06
303177	0.13	0.09	0.16	0.27	0.22	0.10
303184	0.18	0.15	0.14	0.39	0.18	0.13
303190	2.68	1.84	0.50	1.12	0.67	4.27
303192	0.07	0.05	0.08	0.08	0.06	0.05
303204	0.05	0.05	0.07	0.06	0.07	0.05
303226	0.06	0.06	0.08	0.07	0.11	0.05
303232	0.35	0.22	0.23	0.50	2.35	0.32
303237	1.43	0.69	0.80	0.96	2.33	0.71
303257	1.98	0.84	5.48	1.10	5.62	0.23
303292	0.24	1.35	7.55	0.27	0.97	0.62
303322	3.77	1.09	1.59	1.42	0.37	6.24
303343	0.53	0.41	0.58	1.52	0.61	0.40
303354	0.29	0.12	0.33	0.56	1.00	0.23
303359	0.99	1.15	1.37	0.41	0.90	0.95
303366	0.27	0.21	0.09	0.31	0.33	0.21
303370	0.30	3.47	0.69	0.60	0.60	0.53

303410	0.19	1.72	0.37	0.54	0.38	0.23
303430	14.30	0.45	0.78	1.22	4.48	10.19
303435	0.07	0.06	0.10	0.11	0.08	0.07
303455	0.73	0.36	0.99	0.47	3.52	0.74
303461	0.07	0.06	0.10	0.08	0.15	0.05
303482	0.35	0.33	5.07	0.59	2.86	0.83
303484	0.35	0.09	0.32	0.25	0.27	0.15
303487	1.95	0.38	0.45	31.39	0.98	1.41
303490	0.15	0.15	0.19	0.35	2.56	0.33
303567	0.05	0.05	0.07	0.08	0.05	0.04
303584	0.06	0.05	0.07	0.06	0.07	0.05
303607	1.13	0.62	0.69	0.26	0.15	0.10
303639	0.66	43.32	9.84	1.05	33.30	0.54
303657	0.05	0.05	0.07	0.05	0.06	0.05
303659	1.76	0.10	0.17	0.12	0.17	0.10
303682	0.19	0.19	0.22	0.85	0.32	0.13
303688	3.32	0.81	0.83	0.99	0.49	0.41
303700	0.06	0.06	0.08	0.07	0.07	0.07
303703	0.30	0.84	0.50	0.53	1.17	13.41
303719	0.06	0.06	0.08	0.07	0.10	0.09
303727	0.05	0.05	0.09	0.07	0.07	0.05
303732	0.08	0.06	0.19	0.08	0.07	0.06
303755	0.05	0.05	0.08	0.07	0.05	0.05
303758	0.05	0.05	0.10	0.07	0.05	0.05
303766	0.26	0.13	0.71	0.28	0.13	0.17
303797	0.17	1.52	1.78	13.58	2.70	0.35
303805	6.37	0.53	1.10	0.39	48.98	0.85
303817	0.50	0.72	1.93	1.22	0.54	0.71
303843	0.05	0.05	0.07	0.06	0.06	0.05
303901	1.24	1.48	6.13	0.56	1.67	1.07
303916	1.15	0.45	1.85	2.91	2.91	2.14
303925	2.62	0.64	1.24	0.82	432.33	0.81
303954	2.84	0.91	2.25	0.36	0.88	1.84
303957	1.48	0.33	1.50	1.32	1.67	0.36
303962	0.06	0.05	0.08	0.10	0.09	0.07
303973	0.05	0.05	0.12	0.07	0.06	0.05
303982	1.91	0.40	0.90	0.13	1.98	1.68
303983	0.05	0.05	0.07	0.07	0.10	0.06
304005	0.77	0.37	0.63	1.02	1.41	1.84
304008	1.38	0.89	4.01	0.57	1.52	7.86
304038	0.84	2.02	0.73	8.61	4.67	0.62
304111	0.07	0.05	0.09	0.08	0.07	0.08
304116	0.37	1.77	1.19	93.16	0.37	1.22
304139	3.56	0.61	0.54	1.20	0.39	81.14
304156	0.24	0.13	0.28	0.15	0.31	0.12
304158	0.10	0.05	0.09	0.07	0.05	0.05
304194	1.42	1.00	8.77	1.55	2.35	2.56

304260	0.05	0.04	0.08	0.06	0.05	0.04
304278	1.18	11.32	2.14	0.20	1.10	4.64
304281	0.06	0.05	0.07	0.06	0.07	0.06
304310	0.05	0.05	0.07	0.07	0.06	0.05
304317	0.39	0.17	0.17	0.20	0.24	0.23
304333	0.05	0.05	0.07	0.07	0.05	0.04
304340	3.91	0.22	6.87	0.57	1.14	2.44
304359	1.10	2.75	1.25	0.43	2.56	0.24
304379	0.95	0.58	0.82	0.73	1.51	1.56
304385	0.60	10.99	3.92	1.55	3.27	1.28
304397	0.08	0.07	0.14	0.08	0.07	0.09
304410	0.09	0.06	0.12	0.11	0.10	0.12
304430	0.09	0.05	0.08	0.11	0.10	0.09
304455	0.41	0.20	0.27	0.27	0.08	0.14
304456	0.05	0.06	0.07	0.10	0.10	0.08
304466	0.97	0.20	0.68	1.47	0.38	0.95
304467	0.05	0.05	0.07	0.06	0.06	0.04
304478	0.35	1.99	0.38	0.41	0.71	1.00
304479	0.05	0.05	0.08	0.06	0.05	0.04
304484	1.07	0.10	0.36	0.33	0.70	0.32
304513	0.17	0.10	0.19	0.20	0.10	0.09
304550	2.36	0.44	0.53	3.21	5.88	0.23
304554	2.50	0.46	0.36	17.54	13.13	0.83
304580	0.23	0.09	0.16	0.32	0.15	0.13
304617	0.77	0.85	1.30	0.25	3.57	2.65
304630	0.91	0.71	4.51	1.65	1.43	1.03
304660	0.70	0.95	0.78	1.26	1.44	1.37
304701	0.80	2.52	0.49	2.84	0.74	3.50
304720	0.25	0.13	0.26	0.39	0.53	0.10
304754	0.59	10.65	0.44	2.29	0.21	3.62
304843	0.08	0.07	0.10	0.24	0.08	0.10
304855	0.19	0.10	0.30	0.22	0.23	0.27
304895	0.15	0.28	0.36	0.57	0.54	0.23
304938	34.81	0.43	0.71	0.19	0.50	0.84
304956	0.11	0.07	0.20	0.08	0.17	0.08
304961	0.41	0.17	0.17	0.22	0.10	0.21
305023	0.68	0.36	1.85	0.91	1.20	0.97
305056	0.06	0.07	0.11	0.07	0.12	0.06
305065	0.83	3.57	2.30	0.27	1.35	2.95
305089	0.11	0.08	0.24	0.13	0.11	0.10
305139	0.37	1.16	78.48	1.16	0.48	0.98
305143	0.06	0.05	0.07	0.06	0.07	0.05
305147	0.05	0.04	0.12	0.06	0.04	0.04
305151	0.06	0.05	0.08	0.07	0.05	0.04
305157	0.06	0.05	0.07	0.06	0.07	0.06
305171	13.33	0.49	2.46	0.96	0.52	2.20
305185	4.50	0.81	0.51	0.55	0.87	0.61

305193	0.06	0.05	0.09	0.06	0.07	0.06
305197	0.06	0.05	0.07	0.06	0.07	0.06
305205	0.65	0.30	2.96	3.90	6.44	1.07
305222	0.95	0.36	0.20	8.87	0.70	0.39
305255	0.35	0.25	0.37	0.74	1.36	1.74
305278	0.08	0.06	0.08	0.08	0.08	0.08
305309	2.75	11.52	14.18	0.54	1.07	3.10
305335	2.00	1.64	8.52	1.84	4.26	0.99
305337	0.30	0.10	0.14	0.13	0.18	0.06
305366	0.06	0.05	0.07	0.06	0.07	0.06
305378	0.05	0.05	0.07	0.06	0.07	0.05
305396	0.69	0.70	12.36	0.67	2.47	0.57
305400	5.13	1.64	1.50	7.46	0.42	1.42
305439	0.44	0.44	3.90	4.84	0.85	11.94
305463	0.61	0.55	47.48	18.11	1.45	1.14
305531	0.22	0.11	0.38	0.32	0.11	0.13
305543	1.37	10.04	1.61	2.54	12.84	50.67
305557	0.10	0.06	0.09	0.10	0.18	0.05
305559	0.70	0.36	0.37	0.70	0.40	0.30
305586	0.08	0.10	0.25	0.07	0.08	0.07
305590	0.29	0.19	0.32	0.29	0.48	0.44
305601	0.56	0.50	1.59	1.01	0.48	1.67
305649	0.10	0.09	0.08	0.14	2.53	0.13
305669	0.17	0.05	0.25	0.07	0.07	0.05
305684	0.39	0.12	0.40	0.12	0.14	0.16
305687	0.06	0.05	0.07	0.08	0.07	0.07
305705	0.53	0.12	0.30	0.81	0.28	0.32
305711	1.82	0.44	0.82	0.52	10.51	1.32
305716	0.07	0.05	0.09	0.06	0.05	0.04
305721	14.28	0.13	0.34	0.16	0.47	0.39
305729	2.38	0.54	0.51	4.29	0.65	1.08
305754	0.76	2.08	0.38	0.78	8.82	0.39
305759	1.31	0.40	2.98	1.20	0.70	0.37
305778	0.87	0.28	0.46	0.27	76.72	0.54
305822	1.03	1.17	1.18	0.50	14.72	17.26
305846	0.07	0.04	0.07	0.06	0.06	0.04
305854	0.36	0.58	2.22	1.81	1.08	4.97
305864	0.36	0.10	0.31	0.48	0.46	0.22
305901	0.40	0.30	1.75	0.31	0.34	0.37
305924	0.63	1.39	0.59	0.76	2.67	0.69
305928	3.09	0.48	0.59	9.99	0.94	0.27
305939	0.41	0.67	2.29	1.19	4.00	1.19
306013	15.75	7.64	7.25	0.38	3.45	0.84
306025	1.09	1.08	4.12	4.62	3.21	1.19
306036	0.05	0.05	0.07	0.05	0.06	0.05
306042	64.86	5.26	1.44	0.11	1.87	1.30
306044	0.05	0.07	0.08	0.08	0.06	0.05

306055	0.76	8.77	2.25	4.36	1.11	2.59
306082	0.05	0.04	0.12	0.06	0.05	0.04
306096	0.48	0.99	1.11	9.24	0.57	1.08
306111	0.05	0.04	0.07	0.06	0.04	0.04
306169	1.53	0.87	0.61	1.96	2.89	0.32
306188	0.65	0.61	0.41	3.93	2.01	0.53
306200	0.55	0.97	0.84	0.58	0.64	2.12
306206	1.62	0.65	3.07	0.61	1.12	1.96
306262	0.06	0.05	0.07	0.07	0.05	0.04
306289	3.04	0.98	12.28	1.82	1.34	4.31
306290	0.33	0.06	0.28	0.51	0.23	0.20
306349	0.11	0.13	0.77	0.13	0.10	0.10
306365	0.05	0.04	0.08	0.06	0.05	0.04
306391	0.27	0.71	6.30	0.53	0.47	4.97
306410	10.59	0.32	4.30	0.34	0.16	0.28
306448	0.05	0.05	0.07	0.06	0.06	0.05
306454	0.05	0.05	0.07	0.06	0.06	0.05
306468	0.57	0.93	0.67	0.25	1.53	0.95
306483	0.05	0.05	0.07	0.05	0.06	0.05
306485	1.29	0.46	17.34	0.24	0.88	0.83
306516	0.15	0.11	0.23	0.12	0.14	0.10
306521	0.20	0.16	0.75	0.34	0.51	0.36
306595	0.65	0.75	0.54	0.94	0.69	2.82
306596	1.54	0.63	1.36	0.20	0.86	2.69
306600	0.05	0.04	0.07	0.06	0.05	0.04
306661	0.06	0.05	0.08	0.06	0.07	0.06
306687	0.06	0.06	0.08	0.09	0.08	0.07
306698	0.07	0.06	0.15	0.09	0.08	0.07
306701	1.27	1.76	0.32	0.57	0.69	34.17
306706	0.32	0.17	0.61	0.12	5.74	0.61
306707	0.06	0.06	0.32	0.09	0.09	0.09
306708	0.10	0.06	0.20	0.07	0.07	0.08
306753	0.08	0.08	0.14	0.13	0.16	0.08
306756	0.06	0.05	0.09	0.08	0.05	0.05
306837	0.34	0.27	1.56	0.78	0.19	0.61
306849	2.74	0.33	0.72	0.80	0.62	3.76
306866	0.33	1.33	1.15	4.47	1.18	1.27
306867	0.20	0.35	0.44	3.56	4.25	1.87
306961	0.83	0.55	14.63	0.87	1.83	4.10
306964	1.98	0.20	0.97	0.35	0.53	0.41
306985	0.44	0.44	1.06	0.94	0.11	0.22
306988	0.20	0.49	1.28	2.01	0.28	3.32
307000	3.18	0.38	1.12	0.77	86.15	0.78
307024	0.62	0.76	1.00	1.75	0.86	0.33
307028	0.44	0.08	0.08	0.21	1.49	0.16
307057	2.38	0.53	1.13	0.36	1.13	1.00
307067	0.47	0.29	0.84	0.64	1.68	1.26

307071	0.26	0.71	7.71	1.62	0.72	0.29
307091	0.20	0.14	0.24	0.18	0.46	0.10
307095	0.05	0.05	0.07	0.06	0.05	0.04
307122	6.52	0.58	0.73	0.37	1.36	1.45
307146	0.13	0.07	0.17	0.16	0.12	0.11
307147	5.92	0.53	2.80	19.04	1.25	2.65
307149	0.16	0.07	0.12	0.21	0.10	0.23
307151	3.15	0.29	1.22	4.49	0.39	0.65
307169	1.19	6.09	2.13	1.68	0.27	0.62
307199	4.92	1.01	0.81	1.28	0.69	14.30
307231	0.05	0.04	0.07	0.06	0.05	0.04
307239	1.20	4.24	0.51	0.64	0.53	1.10
307269	4.83	1.03	0.39	1.14	2.26	1.62
307295	0.16	0.19	0.16	0.40	0.15	0.17
307318	0.90	0.41	0.66	0.42	0.72	1.91
307333	0.05	0.05	0.07	0.06	0.06	0.05
307343	3.45	0.84	1.20	15.39	0.92	19.87
307417	0.07	0.06	0.08	0.09	0.06	0.04
307478	2.06	0.52	1.41	1.09	2.21	3.35
307485	0.11	0.06	0.16	0.07	0.05	0.04
307512	1.06	20.16	1.76	40.07	0.43	0.94
307562	6.76	0.09	0.38	0.15	0.18	0.19
307588	0.09	0.06	0.08	0.11	0.07	0.05
307602	0.05	0.04	0.07	0.06	0.04	0.04
307688	0.05	0.05	0.07	0.06	0.05	0.04
307692	15.09	0.51	0.63	1.78	2.05	0.60
307734	0.65	2.06	20.20	0.59	2.40	0.69
307749	0.15	0.07	0.16	0.16	0.24	0.09
307774	0.09	0.09	0.11	0.09	0.07	0.08
307787	0.18	0.11	0.61	0.06	0.05	0.04
307797	0.05	0.05	0.07	0.06	0.07	0.05
307808	0.07	0.06	0.09	0.08	0.08	0.06
307817	0.57	2.08	0.90	0.82	1.55	1.07
307827	0.05	0.05	0.07	0.06	0.07	0.05
307828	2.25	0.52	0.91	1.25	0.41	8.03
307845	5.88	3.36	2.22	3.47	1.32	4.06
307847	0.07	0.06	0.09	0.07	0.08	0.08
307853	0.12	0.07	1.46	0.07	0.10	0.07
307892	2.78	1.08	4.04	0.19	8.86	1.27
307916	2.21	15.86	0.27	0.31	1.33	4.45
307921	0.19	2.17	0.86	0.18	0.42	0.37
307943	0.06	0.06	0.08	0.07	0.07	0.07
307944	0.05	0.04	0.07	0.06	0.05	0.04
307981	0.44	0.25	13.76	0.15	0.81	0.59
307996	0.35	3.28	0.70	0.80	1.07	0.48
308009	0.15	0.07	0.14	0.09	0.09	0.13
308021	0.06	0.06	0.09	0.06	0.07	0.06

308032	0.15	0.10	0.25	0.16	0.10	0.15
308055	0.69	0.50	1.26	1.11	5.06	2.95
308058	3.19	0.68	0.33	56.73	0.20	0.60
308117	0.21	0.08	1.80	0.10	0.13	0.12
308129	1.45	0.47	1.65	11.98	186.06	1.61
308131	0.53	0.52	0.32	0.32	4.89	0.45
308136	0.87	0.44	0.87	0.59	0.50	0.48
308141	0.05	0.05	0.07	0.06	0.06	0.05
308143	0.09	0.10	0.09	0.12	0.09	0.09
308157	1.48	0.34	12.17	0.51	0.24	0.36
308179	0.69	3.80	1.47	0.42	1.01	2.08
308193	0.05	0.05	0.07	0.06	0.06	0.04
308239	1.17	0.32	31.40	1.89	0.84	1.11
308247	0.05	0.06	0.08	0.09	0.12	0.05
308281	0.05	0.05	0.07	0.06	0.07	0.05
308306	0.60	0.60	10.07	0.40	1.19	0.96
308308	0.06	0.06	0.14	0.07	0.10	0.06
308336	54.19	0.06	0.99	0.06	0.09	0.06
308377	0.27	6.08	3.83	1.29	4.51	2.23
308384	3.52	1.45	1.38	0.33	0.25	2.12
308387	0.05	0.05	0.07	0.06	0.07	0.05
308395	0.05	0.05	0.07	0.06	0.07	0.05
308406	0.32	0.77	0.43	0.30	1.30	0.44
308419	0.13	0.12	0.08	0.14	0.21	0.31
308421	0.30	0.56	0.64	0.21	1.15	0.83
308461	0.85	0.30	3.53	0.82	3.66	0.44
308471	1.84	2.08	25.45	0.96	9.85	0.56
308508	0.07	0.06	0.08	0.09	0.06	0.05
308517	2.76	0.52	4.05	0.73	0.63	0.87
308525	0.25	0.06	0.10	0.08	0.08	0.05
308545	0.32	0.18	0.20	0.28	0.47	0.39
308550	13.90	7.31	0.62	1.12	0.54	0.33
308602	0.66	0.51	0.44	8.18	0.81	0.37
308605	0.05	0.05	0.07	0.07	0.05	0.04
308635	0.56	0.11	4.04	0.12	0.16	0.10
308640	1.80	2.45	2.46	1.66	2.15	1.81
308675	12.00	0.68	4.23	0.76	0.99	1.25
308676	1.01	0.61	1.84	0.69	0.58	11.48
308723	0.09	0.05	0.13	0.10	0.08	0.06
308725	0.09	0.07	0.09	0.11	0.09	0.09
308754	3.25	0.99	1.82	0.63	2.41	2.03
308761	0.43	0.74	4.95	2.11	1.44	0.78
308766	0.49	0.42	1.94	0.26	0.69	6.22
308784	0.05	0.05	0.07	0.06	0.06	0.05
308790	1.24	2.09	0.61	0.75	0.27	0.99
308793	0.55	4.27	2.01	0.95	1.73	3.66
308822	0.06	0.06	0.08	0.07	0.07	0.06

308836	0.23	0.19	0.22	1.61	1.36	1.28
308846	0.26	1.37	0.40	0.57	2.81	6.07
308858	0.51	3.39	1.18	0.46	1.04	2.49
308861	0.06	0.05	0.07	0.07	0.06	0.05
308907	1.11	0.21	3.33	1.37	0.17	0.44
308913	0.09	0.11	0.26	0.12	0.07	0.17
308943	0.05	0.05	0.07	0.06	0.06	0.05
308947	2.42	0.17	2.06	2.31	7.46	0.57
308985	0.05	0.04	0.07	0.06	0.04	0.04
309006	0.97	1.00	0.26	0.39	0.94	4.28
309023	0.54	0.46	0.60	0.23	0.90	1.10
309033	0.18	0.20	0.75	0.27	0.23	0.66
309034	8.33	2.03	3.35	0.32	0.57	2.23
309042	0.05	0.04	0.07	0.06	0.04	0.04
309058	0.12	0.08	1.17	0.17	0.13	0.13
309086	0.06	0.05	0.08	0.08	0.07	0.07
309091	0.40	0.09	0.19	0.08	0.09	0.06
309098	0.62	0.28	2.43	17.68	0.78	10.96
309111	0.06	0.05	0.08	0.06	0.07	0.06
309120	0.05	0.05	0.07	0.06	0.05	0.04
309126	0.05	0.04	0.07	0.06	0.04	0.04
309143	0.05	0.04	0.07	0.06	0.04	0.04
309186	0.08	0.06	0.09	0.06	0.06	0.04
309203	0.51	0.09	0.36	0.08	0.08	0.08
309205	0.06	0.05	0.07	0.06	0.08	0.18
309248	1.59	4.31	6.66	0.36	0.25	0.29
309252	0.17	1.04	0.56	0.47	1.31	11.23
309261	0.05	0.04	0.07	0.06	0.04	0.04
309283	0.11	0.09	0.20	0.43	0.21	0.13
309290	49.44	0.91	0.47	2.31	3.51	0.89
309297	0.10	0.06	0.08	0.08	0.07	0.07
309328	0.16	0.10	0.12	0.12	0.17	0.10
309377	0.11	0.08	0.28	0.08	0.08	0.10
309382	1.00	0.53	1.56	3.98	0.46	3.44
309430	0.07	0.06	0.11	0.07	0.08	0.07
309442	0.05	0.04	0.07	0.08	0.05	0.04
309451	0.05	0.05	0.07	0.05	0.06	0.05
309460	0.05	0.04	0.07	0.06	0.05	0.04
309470	0.15	0.16	0.37	0.30	0.13	0.15
309487	2.28	1.02	0.76	0.63	43.40	1.05
309553	0.06	0.06	0.09	0.08	0.07	0.06
309584	1.60	0.38	12.09	0.92	0.33	0.30
309588	0.37	1.05	0.28	0.83	3.71	0.93
309617	2.82	1.82	0.57	0.15	0.61	1.07
309624	0.05	0.05	0.12	0.06	0.05	0.04
309644	1.20	0.57	1.31	0.56	0.33	0.40
309651	0.50	0.58	1.13	0.87	1.36	6.25

309675	0.06	0.05	0.08	0.06	0.07	0.06
309734	0.84	1.18	1.25	0.23	1.01	0.81
309759	0.09	0.08	0.17	0.08	0.07	0.06
309760	0.60	2.04	1.29	1.33	25.36	1.06
309778	5.74	0.25	1.48	0.75	0.29	0.23
309779	0.87	56.53	0.53	2.92	1.03	19.81
309783	0.72	24.31	0.84	0.70	1.85	1.09
309800	0.80	0.10	3.15	0.68	0.26	0.19
309805	1.43	0.73	2.61	0.50	11.22	2.15
309811	0.36	0.06	0.30	0.09	0.08	0.08
309815	0.74	10.48	0.36	1.63	1.79	1.06
309824	1.40	2.23	0.41	1.35	0.80	4.03
309847	0.05	0.05	0.07	0.06	0.06	0.05
309860	1.11	0.40	1.81	0.71	0.59	1.74
309866	2.67	3.12	19.02	0.27	3.52	0.97
309879	0.09	0.06	0.09	0.08	0.11	0.08
309885	0.89	0.59	228.07	22.62	0.71	0.39
309889	0.06	0.06	0.08	0.07	0.07	0.06
309908	0.84	0.37	1.40	1.09	1.01	1.56
309937	1.23	0.95	0.38	0.47	5.53	0.42
309949	1.09	0.55	13.13	0.83	1.14	0.95
310004	0.06	0.05	0.08	0.06	0.07	0.05
310009	0.22	0.20	0.51	0.46	0.36	0.39
310034	1.16	0.34	2.12	0.73	0.41	0.39
310061	0.05	0.05	0.07	0.06	0.05	0.04
310064	0.06	0.06	0.08	0.08	0.07	0.05
310072	2.46	2.17	0.72	3.62	0.70	1.41
310106	10.18	0.63	0.64	4.22	2.40	0.16
310120	2.97	0.41	1.69	0.82	1.53	3.29
310123	0.06	0.08	0.20	0.09	0.09	0.07
310124	0.06	0.05	0.10	0.07	0.05	0.04
310130	1.45	0.53	2.50	0.64	1.73	0.62
310139	0.13	0.08	0.10	0.10	0.14	0.08
310174	0.08	0.05	0.12	0.06	0.07	0.05
310187	0.44	0.47	9.56	0.53	1.66	1.96
310205	7.82	1.64	32.54	0.76	0.53	22.84
310210	0.08	0.12	0.57	0.16	0.10	0.10
310231	0.19	0.11	0.21	0.10	0.28	0.14
310233	0.07	0.06	0.08	0.07	0.06	0.05
310265	2.85	4.25	1.02	0.84	0.94	1.90
310294	0.05	0.05	0.07	0.06	0.06	0.05
310335	0.14	0.09	0.09	0.21	0.13	0.18
310349	0.22	0.10	0.26	0.19	0.09	0.11
310368	1.18	0.84	0.67	0.93	1.14	44.40
310400	0.11	0.06	0.17	0.07	0.07	0.06
310407	277.90	0.57	1.40	0.55	1.06	0.50
310410	1.34	0.42	0.77	2.20	2.03	2.67

310414	0.44	1.58	0.76	2.72	2.41	3.15
310434	0.21	1.45	0.12	0.41	2.33	1.30
310452	0.06	0.05	0.18	0.06	0.07	0.05
310457	0.43	0.05	0.17	0.07	0.10	0.04
310484	0.14	0.26	0.17	0.21	0.09	0.27
310498	0.33	0.17	0.99	0.27	0.19	0.22
310513	0.05	0.04	0.08	0.06	0.05	0.04
310517	0.20	0.41	1.04	0.12	0.51	0.75
310551	1.03	0.63	7.41	1.99	1.70	14.81
310556	0.44	0.08	13.46	0.34	0.22	0.17
310587	0.96	5.28	0.61	0.52	6.12	1.81
310647	2.89	0.25	0.28	0.30	3.36	0.71
310662	0.05	0.08	0.08	0.09	0.09	0.06
310671	1.06	0.42	1.89	6.64	0.80	0.36
310681	4.56	0.36	0.55	0.24	1.59	0.47
310716	20.20	1.79	0.60	64.05	27.38	0.93
310731	0.07	0.06	0.08	0.07	0.07	0.06
310752	0.06	0.05	0.08	0.07	0.06	0.05
310764	0.33	0.63	1.60	1.15	0.68	0.57
310766	0.05	0.05	0.07	0.07	0.05	0.04
310772	4.38	0.94	2.07	0.44	1.30	3.40
310801	0.06	0.05	0.07	0.09	0.12	0.10
310810	0.07	0.07	0.18	0.07	0.06	0.05
310811	0.76	0.84	1.10	0.98	3.39	0.51
310836	0.06	0.05	0.08	0.06	0.07	0.06
310840	0.09	0.11	0.68	0.09	0.08	0.06
310863	0.16	0.28	0.57	0.21	0.48	0.35
310869	0.24	0.54	0.31	1.37	0.23	0.85
310877	0.41	0.43	0.76	0.56	4.00	1.02
310990	0.78	2.74	0.91	1.18	1.00	1.01
311006	0.08	0.06	0.10	0.08	0.06	0.05
311048	0.48	3.93	0.48	2.99	0.72	1.17
311052	0.07	0.05	0.13	0.06	0.07	0.06
311086	2.46	1.82	3.84	0.51	0.86	1.70
311095	1.06	0.29	3.46	0.41	0.49	0.13
311119	0.05	0.04	0.07	0.06	0.04	0.04
311131	0.45	3.15	2.18	1.15	1.89	0.47
311137	0.05	0.05	0.07	0.06	0.04	0.04
311160	1.96	2.41	1.56	1.67	3.30	1.52
311181	0.36	0.14	1.69	0.11	0.10	0.07
311184	0.85	15.71	1.44	0.96	2.24	0.32
311190	0.08	0.05	0.10	0.19	0.13	0.06
311243	0.06	0.05	0.09	0.06	0.07	0.05
311251	0.05	0.05	0.07	0.06	0.06	0.05
311255	2.63	1.65	0.77	0.20	2.20	1.86
311257	0.05	0.04	0.07	0.06	0.05	0.04
311342	0.51	1.44	0.32	0.33	4.55	1.10

311389	0.13	0.08	0.19	0.15	0.19	0.11
311394	0.06	0.05	0.20	0.07	0.05	0.04
311396	0.55	0.20	0.51	0.10	0.31	0.11
311416	21.68	1.16	0.43	1.15	0.29	0.13
311417	0.05	0.04	0.07	0.06	0.05	0.04
311434	3.41	0.95	1.71	1.78	0.57	1.30
311449	0.33	0.12	0.44	0.12	0.07	0.09
311493	0.33	0.47	0.80	1.51	0.25	0.19
311530	0.87	0.14	0.35	0.18	0.30	0.22
311542	0.33	1.70	1.32	2.50	1.06	0.74
311584	0.06	0.05	0.07	0.06	0.07	0.06
311624	0.12	0.08	0.32	0.74	0.45	0.15
311637	3.16	0.54	4.10	1.14	0.90	0.36
311643	0.71	0.58	1.09	12.30	0.34	0.92
311659	0.05	0.04	0.07	0.06	0.05	0.04
311678	0.74	0.23	0.30	0.44	0.28	0.39
311694	0.82	0.74	1.10	1.04	0.90	1.91
311734	0.05	0.05	0.07	0.06	0.07	0.05
311758	0.08	0.05	0.19	0.09	0.06	0.05
311769	12.67	0.97	0.72	4.51	1.71	17.55
311790	0.53	0.67	3.76	0.72	1.87	0.29
311817	0.18	0.19	0.40	0.36	0.65	0.16
311821	0.15	0.15	0.30	0.19	0.13	0.13
311833	0.06	0.05	0.07	0.06	0.07	0.05
311856	0.05	0.05	0.07	0.06	0.07	0.05
311876	0.16	0.07	0.11	0.09	0.67	0.32
311919	0.42	0.19	0.33	0.77	1.30	0.67
311946	0.08	0.08	0.23	0.10	0.08	0.07
311995	0.56	27.83	0.72	0.71	0.53	1.06
312013	0.06	0.06	0.10	0.09	0.17	0.09
312020	5.23	1.35	0.80	0.62	0.27	2.12
312029	1.14	0.28	1.59	1.09	0.29	0.33
312031	0.15	1.47	1.03	0.67	0.74	1.10
312067	0.24	0.22	3.13	0.35	2.32	1.71
312080	0.09	0.06	0.14	0.07	0.08	0.07
312088	5.30	1.21	2.73	4.87	1.51	1.13
312133	0.73	2.76	0.93	5.07	2.90	0.63
312135	0.54	0.16	1.90	0.18	0.11	0.21
312137	0.34	0.26	0.63	0.35	0.27	0.89
312148	0.05	0.05	0.07	0.06	0.07	0.05
312162	1.00	0.43	7.28	7.66	0.57	0.73
312168	0.07	0.06	0.07	0.15	0.09	0.11
312249	0.05	0.05	0.18	0.07	0.06	0.05
312274	0.35	0.20	1.67	0.22	0.30	1.42
312292	1.70	0.60	1.41	1.47	4.42	2.69
312322	0.18	0.13	0.32	0.35	0.34	0.18
312356	0.16	0.19	1.07	0.32	0.13	0.12

312376	0.05	0.04	0.07	0.06	0.05	0.04
312391	0.36	0.82	0.83	0.30	0.91	0.24
312450	18.15	0.74	7.24	2.40	0.90	1.32
312503	0.10	0.19	0.23	0.57	1.62	0.41
312549	0.24	0.10	0.53	0.46	0.12	0.36
312581	0.05	0.05	0.08	0.06	0.05	0.04
312593	0.05	0.05	0.07	0.06	0.06	0.05
312653	0.75	0.07	0.27	0.08	0.13	0.11
312697	19.49	0.86	0.58	0.49	0.84	1.84
312704	0.40	0.09	0.13	0.11	0.11	0.19
312707	1.02	5.88	1.38	0.33	0.81	1.59
312711	0.24	0.17	0.20	0.19	0.23	0.17
312739	0.24	0.56	3.12	0.56	0.31	0.31
312743	1.49	0.74	0.89	13.99	0.72	0.53
312744	0.07	0.05	0.09	0.08	0.05	0.04
312780	0.91	3.61	1.66	0.42	1.62	0.62
312787	0.74	0.59	12.65	1.83	1.06	0.81
312791	0.26	0.13	0.20	0.08	0.15	0.11
312816	0.05	0.05	0.07	0.06	0.06	0.05
312829	0.07	0.07	0.20	0.09	0.07	0.05
312835	0.05	0.05	0.08	0.07	0.07	0.05
312883	0.06	0.07	0.18	0.18	0.36	0.16
312891	0.06	0.07	0.47	0.07	0.07	0.08
312895	1.41	0.71	0.52	0.86	0.87	1.15
312925	1.82	1.10	1.28	2.56	0.99	3.01
312951	0.05	0.05	0.07	0.06	0.07	0.05
312996	0.06	0.05	0.66	0.07	0.08	0.05
312998	2.11	0.34	0.48	0.23	3.51	4.47
313009	0.20	0.41	0.41	0.55	1.97	0.16
313014	0.48	0.20	24.50	32.29	1.16	0.40
313028	2.44	1.04	5.27	0.37	0.68	0.50
313055	0.25	0.50	0.45	0.56	1.11	0.29
313098	0.37	0.87	3.50	4.29	2.68	0.46
313129	0.25	0.16	0.29	0.29	0.72	0.73
313142	0.05	0.05	0.07	0.06	0.07	0.05
313167	0.07	0.07	0.13	0.08	0.09	0.07
313245	2.16	0.30	1.16	5.58	0.30	0.51
313282	0.05	0.05	0.07	0.06	0.05	0.04
313325	0.28	2.93	13.83	0.90	1.87	0.92
313335	0.95	0.41	4.74	2.80	9.54	1.30
313336	0.10	0.06	0.09	0.06	0.10	0.08
313342	15.63	0.77	12.76	1.88	2.26	0.84
313345	0.11	0.06	0.13	0.11	0.12	0.08
313346	0.83	0.38	4.36	0.43	3.02	22.83
313388	3.03	0.49	1.89	99.38	5.17	1.99
313398	0.06	0.05	0.12	0.06	0.05	0.04
313402	0.06	0.05	0.07	0.06	0.07	0.05

313407	0.06	0.06	0.08	0.12	0.11	0.07
313414	0.08	0.05	0.09	0.07	0.08	0.06
313415	0.40	0.94	2.01	3.50	0.41	0.97
313421	0.06	0.06	0.08	0.07	0.07	0.06
313467	5.94	0.50	0.88	1.16	1.25	1.11
313470	0.05	0.04	0.07	0.06	0.05	0.04
313527	0.05	0.04	0.07	0.06	0.04	0.04
313536	1.34	2.70	10.75	1.91	1.03	3.70
313559	0.43	2.72	0.86	0.40	1.79	5.89
313590	1.32	0.62	0.26	0.48	0.50	1.12
313644	0.06	0.05	0.08	0.06	0.07	0.06
313652	0.05	0.05	0.07	0.05	0.06	0.05
313661	0.08	0.05	0.09	0.09	0.07	0.04
313669	0.05	0.05	0.07	0.06	0.07	0.05
313693	0.89	0.37	1.27	0.59	1.31	0.64
313737	0.18	0.16	0.17	0.09	0.08	0.05
313753	0.07	0.10	4.05	0.09	0.07	0.08
313764	0.13	0.20	0.26	0.29	0.25	0.20
313790	0.56	0.86	0.66	0.90	0.45	1.64
313803	0.06	0.05	0.08	0.07	0.05	0.04
313808	0.65	0.13	7.06	0.21	0.29	0.84
313864	2.41	0.40	0.73	3.67	1.82	2.59
313876	0.95	0.52	5.46	0.54	0.53	6.77
313927	1.21	0.73	2.95	11.20	0.70	0.71
313942	0.93	2.26	0.57	0.87	13.15	1.16
313949	0.14	0.10	0.18	0.13	0.11	0.11
313957	0.15	0.07	0.95	0.10	0.08	0.10
313999	1.00	1.24	0.17	0.46	0.96	0.38
314011	0.62	0.20	33.42	0.66	2.50	1.51
314016	4.26	19.41	7.38	0.65	0.75	0.73
314028	0.10	0.09	0.49	0.23	0.19	0.09
314029	5.52	0.58	11.77	0.76	1.43	4.07
314048	0.25	0.15	0.66	0.48	1.01	0.74
314050	0.06	0.05	0.07	0.06	0.07	0.05
314070	0.48	4.36	1.34	2.75	2.99	1.31
314102	0.19	0.48	0.50	0.51	0.70	0.21
314114	0.07	0.05	0.14	0.07	0.06	0.05
314127	0.72	0.69	1.78	0.44	1.22	0.73
314159	0.13	0.18	0.81	0.36	0.33	0.21
314264	0.18	0.27	0.45	1.07	0.55	0.74
314308	0.50	0.65	5.09	1.17	9.04	0.62
314325	2.87	0.70	69.00	0.65	0.21	0.31
314328	0.26	0.12	0.16	0.29	0.10	0.12
314329	0.28	0.60	1.11	0.37	0.24	0.34
314346	0.41	2.15	1.22	1.13	0.21	0.23
314374	0.37	0.09	0.21	0.19	0.25	0.13
314402	0.12	0.07	0.17	0.08	0.10	0.09

314424	0.08	0.07	0.12	0.09	0.12	0.08
314434	0.06	0.05	0.07	0.06	0.06	0.05
314470	0.05	0.04	0.07	0.06	0.05	0.04
314506	9.01	0.78	0.72	0.85	0.52	0.53
314528	1.05	2.55	0.89	0.67	0.75	1.33
314537	0.25	1.02	1.36	1.00	1.02	0.19
314556	14.01	0.38	5.23	0.41	15.37	1.01
314586	0.05	0.05	0.07	0.06	0.06	0.05
314598	0.06	0.05	0.08	0.06	0.05	0.04
314631	1.02	0.70	1.63	1.13	3.34	3.62
314636	0.05	0.04	0.07	0.06	0.05	0.04
314650	0.08	0.05	0.10	0.09	0.10	0.04
314651	2.47	2.57	1.34	3.80	0.85	0.84
314652	0.41	1.69	0.37	0.35	2.83	0.49
314654	1.32	2.40	5.78	0.94	2.12	2.24
314661	0.81	0.81	3.36	0.82	1.31	0.61
314711	1.41	0.56	0.96	0.76	0.64	0.51
314714	0.33	0.13	0.15	0.19	0.14	0.11
314724	0.10	0.10	0.09	0.14	0.07	0.07
314727	0.05	0.04	0.07	0.06	0.04	0.04
314757	0.23	0.11	0.54	0.40	2.43	0.53
314856	0.43	14.86	0.87	0.68	2.43	0.65
314968	0.05	0.05	0.07	0.06	0.05	0.04
315022	0.28	0.14	0.42	0.49	0.75	0.20
315030	0.06	0.04	13.63	0.06	0.05	0.04
315068	0.53	0.61	26.24	0.49	0.28	0.46
315101	0.05	0.05	0.10	0.07	0.08	0.04
315106	1.36	7.10	1.35	61.33	0.73	6.90
315111	0.73	1.05	3.17	4.78	3.45	0.22
315112	8.72	0.26	0.66	3.77	0.69	1.63
315141	0.06	0.05	0.07	0.06	0.07	0.05
315151	0.16	0.05	0.17	0.10	0.07	0.08
315176	1.39	1.23	1.31	0.40	0.98	0.46
315190	0.58	0.07	0.14	0.63	0.16	0.09
315206	0.97	1.16	0.20	0.85	0.38	0.62
315249	0.84	0.31	0.64	1.26	0.46	0.45
315253	0.74	19.44	1.98	1.08	0.60	2.58
315294	0.05	0.05	0.07	0.06	0.07	0.05
315341	1.06	2.37	1.49	0.55	0.13	1.68
315353	8.12	0.67	2.31	1.54	92.54	1.03
315355	0.74	49.11	1.75	0.37	0.75	0.97
315356	0.58	0.14	0.83	0.16	0.64	0.35
315360	0.09	0.08	0.32	0.19	0.19	0.08
315372	0.46	0.13	1.20	0.55	0.57	3.74
315408	0.14	0.10	0.20	0.13	0.09	0.11
315460	0.41	0.07	2.68	0.99	0.19	0.16
315461	0.18	0.07	0.34	0.18	0.11	0.08

315496	2.93	0.22	0.26	0.20	0.32	0.57
315512	0.66	0.29	1.25	0.54	0.19	0.44
315559	0.05	0.05	0.07	0.06	0.06	0.05
315586	0.07	0.05	0.09	0.07	0.06	0.05
315594	0.06	0.05	0.07	0.06	0.06	0.04
315597	0.08	0.05	0.09	0.07	0.06	0.05
315657	0.51	0.95	1.35	4.11	61.70	0.49
315669	0.19	1.02	24.25	2.45	0.98	2.04
315710	0.06	0.05	0.07	0.07	0.10	0.06
315737	0.06	0.04	0.08	0.06	0.04	0.04
315756	1.51	0.61	0.81	0.73	0.26	0.27
315802	0.05	0.04	0.07	0.06	0.05	0.04
315811	23.02	1.07	4.37	0.72	0.97	0.50
315822	0.16	0.05	0.20	0.15	0.21	0.05
315838	0.05	0.05	0.07	0.06	0.06	0.05
315886	0.07	0.05	0.59	0.08	0.05	0.04
315892	0.18	0.10	0.24	0.14	0.13	0.07
316006	1.48	1.08	2.64	0.91	0.29	0.46
316013	0.48	0.16	3.27	0.58	0.83	8.03
316015	0.40	0.08	0.30	0.08	0.05	0.07
316026	0.06	0.05	0.07	0.07	0.07	0.06
316090	0.07	0.05	0.11	0.08	0.16	0.07
316096	5.17	0.59	0.92	1.49	1.54	2.27
316110	4.36	2.25	1.70	0.52	0.67	2.53
316115	10.69	0.98	0.25	0.41	1.36	0.47
316156	0.13	0.05	0.13	0.08	0.06	0.06
316157	1.35	0.88	1.29	0.90	0.84	0.88
316200	1.83	0.45	1.16	8.73	1.28	0.45
316223	0.06	0.05	0.07	0.06	0.07	0.05
316240	0.92	1.82	1.75	0.32	1.63	9.35
316250	0.13	0.08	0.22	0.19	0.08	0.06
316256	0.07	0.05	0.32	0.06	0.05	0.04
316260	3.10	1.66	0.83	0.87	2.17	0.79
316262	4.51	0.43	2.32	0.61	2.50	0.76
316264	0.40	1.28	0.46	4.79	0.78	0.81
316270	0.69	0.12	0.30	0.40	1.39	0.96
316279	0.10	0.11	0.35	0.14	0.08	0.08
316283	0.54	0.70	2.21	0.84	38.68	1.18
316311	0.06	0.05	0.13	0.06	0.06	0.06
316369	0.97	1.09	0.60	7.10	8.87	0.68
316370	0.49	2.08	1.07	0.33	4.80	2.45
316375	0.05	0.05	0.07	0.06	0.07	0.05
316378	0.06	0.05	0.08	0.08	0.07	0.06
316400	1.72	0.42	0.88	1.77	0.97	0.42
316433	0.08	0.08	0.09	0.07	0.05	0.05
316436	0.05	0.04	0.07	0.06	0.04	0.04
316450	0.92	0.55	4.73	0.72	1.10	0.26

316461	0.48	0.22	4.89	1.11	0.15	0.19
316469	0.77	2.24	1.40	0.22	9.69	34.36
316473	0.75	1.36	2.79	6.98	1.91	34.40
316492	0.24	0.28	0.55	0.21	0.79	0.15
316510	0.06	0.07	0.12	0.12	0.61	0.56
316559	0.05	0.07	0.08	0.07	0.06	0.05
316561	0.15	0.08	0.19	0.11	0.09	0.09
316570	2.55	1.24	8.55	1.36	1.78	0.64
316587	3.48	2.24	3.46	0.51	3.67	6.56
316642	4.35	0.70	1.08	1.50	2.84	1.34
316646	8.15	1.31	0.64	1.88	0.91	11.24
316676	1.87	2.72	1.20	1.22	0.55	1.09
316681	2.88	19.70	0.32	3.12	3.05	1.00
316701	0.18	0.13	0.09	0.20	0.61	0.19
316711	4.30	2.34	0.82	1.56	3.08	0.57
316748	1.29	1.18	4.45	0.38	0.73	0.39
316778	1.74	0.20	1.80	0.27	0.19	0.13
316830	0.05	0.05	0.08	0.06	0.05	0.04
316843	0.14	0.11	0.13	0.12	0.16	0.13
316868	0.46	0.35	3.39	0.18	11.72	3.43
316901	0.74	1.54	1.12	2.18	0.63	0.92
316916	0.99	0.67	0.47	2.38	1.67	1.40
316933	0.62	0.26	3.88	0.25	0.15	0.38
316944	0.08	0.12	0.26	0.12	0.13	0.11
316945	0.13	0.05	0.08	0.06	0.06	0.04
316991	0.23	0.23	0.36	0.17	0.17	0.17
317005	0.18	0.12	0.94	0.34	0.37	0.35
317008	0.57	2.80	1.17	1.26	2.58	0.78
317015	0.05	0.05	0.07	0.06	0.06	0.05
317017	0.34	0.13	1.66	0.80	0.76	1.48
317030	0.08	0.06	0.13	0.09	0.10	0.10
317031	0.08	0.06	0.09	0.10	0.10	0.06
317064	0.22	0.15	0.19	0.29	0.16	0.11
317068	0.05	0.05	0.07	0.06	0.06	0.05
317099	0.65	0.51	29.11	4.12	323.36	7.28
317132	0.05	0.05	0.07	0.06	0.07	0.05

Slot "se.exprs":

<0 x 0 matrix>

Slot "description":

An object of class "MIAME"

Slot "name":

[1] ""

Slot "lab":

[1] ""

Slot "contact":

[1] ""

Slot "title":

```

[1] ""
Slot "abstract":
[1] ""
Slot "url":
[1] ""
Slot "samples":
list()
Slot "hybridizations":
list()
Slot "normControls":
list()
Slot "preprocessing":
list()
Slot "other":
list()
Slot "annotation":
[1] ""
Slot "notes":
[1] ""
Slot "phenoData":
An object of class "phenoData"
Slot "pData":
      num sample wk
MA001I9   6     11 15
MA000V0   7     30 15
MA0019Y   8     31 15
MA000UR   9     13 19
MA001I7  10     14 19
MA001D0  11     15 19
Slot "varLabels":
Slot "varLabels":$num
[1] "read from file"

Slot "varLabels":$sample
[1] "read from file"

Slot "varLabels":$wk
[1] "read from file"

Slot "varMetadata":
NULL data frame with 0 rows
Slot "Sn":
An object of class "exprSet"
Slot "exprs":
      MA001I9 MA000V0 MA0019Y MA000UR MA001I7 MA001D0
297784   48.55   51.23   42.17   64.80   35.01   47.06
297907    0.08    3.18   -0.56   -0.18   -0.19   -0.30

```

297912	17.30	36.53	15.74	20.54	27.55	25.15
297935	-0.80	-2.04	-0.70	-0.80	0.07	-0.85
297990	0.36	3.60	1.55	1.39	4.13	3.84
297993	-1.44	-1.78	-0.17	-1.21	-0.81	-2.87
298000	102.98	100.28	97.44	86.85	81.72	92.70
298038	0.15	2.28	0.36	-2.38	-1.26	-0.25
298121	-1.54	-0.54	3.08	0.98	-0.65	-1.10
298130	0.54	0.73	0.19	0.37	0.15	0.31
298143	14.51	31.20	16.21	38.02	61.77	47.28
298150	0.29	-1.09	2.68	-1.73	3.56	2.27
298151	0.39	3.82	-0.63	2.13	0.85	-1.82
298155	-0.62	3.33	2.46	2.11	-0.64	-1.71
298165	20.84	27.38	27.54	14.42	12.38	15.13
298174	4.81	20.96	5.88	9.78	7.25	16.19
298188	-2.19	3.81	0.29	2.56	3.18	4.13
298200	64.29	60.15	52.77	41.47	59.47	53.91
298246	12.03	-1.12	0.34	0.39	14.67	13.35
298248	-1.15	-0.65	1.85	-1.93	1.97	-0.68
298276	32.88	44.66	43.00	25.57	39.25	33.09
298312	-0.41	-3.02	0.05	-1.40	-0.46	-1.17
298316	29.22	44.73	29.85	22.38	25.33	40.88
298331	13.35	25.25	16.28	17.51	12.60	14.37
298347	-0.01	-2.48	-0.23	0.00	2.70	1.08
298367	3.96	17.92	6.24	9.23	4.98	6.47
298384	2.85	6.91	4.67	3.41	0.70	4.78
298422	1.43	-1.02	-1.22	-1.75	-0.92	2.60
298428	3.03	3.28	2.76	2.61	5.22	3.30
298431	-1.50	-1.55	-2.44	0.21	1.48	-1.35
298459	22.54	31.92	2.42	16.96	28.73	20.74
298460	0.37	0.94	1.17	-0.94	-0.09	2.81
298479	13.05	19.05	1.84	17.52	18.72	29.16
298518	3.00	6.59	0.97	4.32	46.13	5.11
298523	0.26	-0.68	-0.99	0.05	-1.36	0.70
298527	60.90	55.00	29.74	38.37	49.89	49.42
298556	-0.44	4.95	1.27	1.71	6.24	1.87
298558	39.48	41.95	50.19	39.07	23.17	35.32
298593	5.33	7.94	3.67	7.71	4.33	7.42
298594	-4.29	-0.83	0.36	-0.36	-0.54	1.91
298604	17.29	28.34	4.72	8.30	14.38	17.96
298614	-1.80	9.40	-2.92	1.39	0.14	0.71
298619	-2.59	4.93	-0.47	1.55	0.84	-0.57
298631	12.35	6.30	8.62	6.23	0.88	4.06
298654	0.40	-0.41	0.88	1.84	2.35	1.53
298655	37.35	57.67	44.12	29.25	61.92	34.09
298656	-0.64	1.43	-0.91	-0.35	-0.04	5.11
298704	6.07	26.25	2.78	20.24	22.75	26.83
298742	-0.16	-0.77	-1.42	-0.19	-0.88	-0.96

298746	-1.64	-0.25	-1.84	4.47	-1.49	-2.18
298760	0.91	1.78	0.55	1.66	2.04	1.04
298761	2.37	10.95	1.91	13.68	10.68	11.42
298770	33.19	22.40	36.81	27.48	10.92	10.71
298771	0.83	-1.07	0.00	7.41	-0.77	0.13
298780	-0.11	-0.17	-1.64	-0.79	-1.48	-0.65
298785	12.29	7.79	4.27	4.27	1.04	5.61
298789	2.45	-1.18	-1.64	-1.76	-0.51	-0.69
298811	4.95	1.05	0.49	0.98	1.46	8.42
298812	14.02	15.37	4.59	8.27	2.77	14.14
298816	38.27	35.75	14.48	49.35	43.35	34.63
298853	20.36	1.77	17.08	10.33	3.18	6.32
298861	-0.68	-1.53	-0.75	-0.72	0.29	-0.51
298871	0.23	-0.05	-0.18	-0.35	-2.55	-0.11
298882	0.76	-0.32	-0.30	-0.35	-0.43	-0.52
298887	49.48	53.67	26.72	24.85	37.06	40.15
298923	11.10	23.51	8.71	21.91	11.28	15.42
298936	9.62	42.28	44.27	22.54	8.94	23.69
298941	3.74	4.06	1.73	2.77	5.39	4.19
299001	-1.56	0.57	0.05	-0.17	0.22	2.00
299110	0.06	0.56	0.08	0.14	1.34	0.34
299116	34.30	46.60	45.76	21.84	73.50	27.41
299125	-2.12	0.52	1.33	-0.41	0.57	-1.82
299126	2.73	5.78	1.83	1.89	1.70	3.85
299127	-1.67	-0.73	-0.16	-0.01	0.08	-2.51
299151	2.83	1.74	0.70	0.96	3.16	1.78
299157	3.51	4.27	-1.13	3.76	-1.67	0.47
299162	75.16	78.71	62.40	90.58	83.32	73.10
299172	-0.37	2.59	12.74	4.62	2.54	1.92
299179	1.67	-0.79	-1.38	-0.16	-1.05	1.92
299205	7.47	2.98	0.53	0.70	0.14	1.77
299208	37.68	24.16	18.54	15.48	22.84	27.39
299212	28.34	24.61	32.14	17.90	18.80	31.41
299227	-2.96	3.43	-0.01	-0.87	1.06	-0.66
299231	5.23	41.13	5.93	8.53	7.14	8.84
299261	4.57	5.06	0.16	1.99	0.33	0.95
299270	2.18	0.43	-2.20	1.24	1.49	2.02
299304	11.99	53.63	11.36	28.11	15.95	26.00
299322	14.67	13.51	24.54	11.57	5.63	15.01
299329	7.12	10.12	2.36	4.10	8.46	13.93
299330	36.17	43.11	17.20	33.75	27.99	16.27
299345	128.03	114.25	99.16	81.64	95.22	94.87
299366	0.77	8.47	3.27	30.73	0.35	-1.22
299422	0.53	-0.50	-1.65	0.99	0.63	0.03
299424	11.77	3.23	4.13	6.08	8.81	3.76
299440	0.55	-0.83	2.33	2.26	-0.38	-0.18
299458	44.88	42.38	35.91	54.32	46.95	39.29

299468	1.05	-1.08	0.83	-1.67	0.17	0.77
299513	3.09	8.79	2.08	3.12	3.53	5.43
299548	-0.52	1.91	-0.49	0.22	-1.28	-0.35
299554	-4.52	-1.62	-0.90	0.28	0.46	-0.73
299556	3.04	-0.72	0.61	0.48	-1.83	-1.70
299559	1.39	4.45	-0.97	1.31	2.49	0.47
299599	1.13	0.52	0.54	0.32	0.86	2.51
299604	68.16	59.17	87.52	62.46	38.14	68.04
299608	-0.12	6.98	0.48	3.57	3.06	0.48
299615	-1.05	0.44	0.01	-1.61	-1.71	0.77
299618	24.49	37.51	12.07	16.62	20.40	26.02
299626	-0.86	-2.59	0.04	0.22	0.05	-0.41
299636	1.43	0.84	-1.72	-0.44	-0.96	0.65
299661	-0.02	3.30	0.08	4.86	0.92	3.30
299672	-0.87	-0.72	2.53	-0.06	2.54	3.95
299674	41.11	41.94	24.13	40.65	24.51	34.90
299694	7.70	11.18	-0.35	14.20	30.20	34.93
299731	18.16	31.90	8.61	60.25	65.28	52.42
299744	4.83	3.41	5.17	0.96	4.46	5.66
299780	0.15	2.57	-2.97	0.39	0.19	-1.53
299781	-2.96	-1.33	2.71	-1.12	0.20	-2.42
299789	0.59	0.05	-0.67	-2.15	1.68	-0.68
299792	4.26	11.16	4.17	2.48	3.75	9.94
299800	-2.46	-0.18	3.01	0.16	-2.32	1.89
299826	0.76	0.79	0.46	1.14	2.16	-1.80
299844	27.55	45.24	23.36	40.77	33.38	51.79
299865	-0.70	0.17	3.25	1.61	4.95	2.97
299883	70.17	87.83	56.24	54.89	51.62	40.38
299904	2.71	-0.55	0.91	-1.33	-2.29	-0.22
299915	9.47	68.31	36.84	35.98	41.11	41.89
299931	60.81	48.54	52.17	29.97	39.24	38.91
299933	3.07	0.98	0.74	0.49	0.73	2.74
299973	44.68	34.01	13.06	15.02	32.13	26.50
299990	-0.62	6.64	1.85	1.55	2.58	3.62
299991	8.99	26.89	6.47	11.84	28.17	13.20
300026	53.87	44.92	47.98	40.91	37.14	38.73
300048	29.36	46.91	18.22	31.94	64.91	45.90
300051	3.74	1.01	0.24	0.51	-0.34	1.01
300067	-0.27	2.11	1.28	0.08	-0.73	-0.24
300089	1.34	1.92	-0.88	0.62	0.77	0.98
300142	5.88	5.70	4.20	3.39	2.41	6.55
300199	7.07	13.03	8.67	3.68	3.76	12.95
300235	-0.84	3.14	-1.71	-0.14	0.67	-2.47
300258	79.26	64.30	61.22	66.56	62.48	83.19
300305	4.63	39.71	6.81	22.00	9.61	10.12
300312	66.53	35.24	20.30	11.91	26.23	28.96
300322	7.22	12.77	3.70	16.38	10.88	11.32

300327	4.71	12.09	7.21	8.10	8.87	8.32
300398	-1.50	0.72	-1.28	0.02	-0.53	-1.34
300400	3.85	16.77	8.11	6.21	7.38	13.51
300409	51.01	59.89	16.04	50.17	60.13	16.04
300422	-1.88	0.97	-1.09	-1.36	0.71	3.87
300428	2.23	3.52	0.05	5.59	8.62	5.90
300505	28.60	29.65	14.03	14.95	11.85	16.27
300524	1.12	2.50	2.05	5.65	3.44	0.76
300530	5.52	18.53	3.19	8.18	4.61	10.54
300537	1.15	11.30	2.80	4.18	6.72	2.60
300542	0.45	2.41	-0.47	0.26	0.30	0.08
300547	16.84	42.20	5.92	28.26	42.59	38.49
300553	16.62	37.00	6.56	17.59	25.07	37.09
300565	-2.21	0.39	-0.86	-0.34	0.32	-0.55
300596	3.96	2.58	2.40	2.68	2.46	5.15
300600	-0.70	3.26	1.03	-0.57	1.00	-1.35
300605	44.41	46.69	45.58	25.13	18.62	25.43
300612	0.28	-2.14	-1.56	0.28	0.07	1.73
300627	44.42	52.49	55.61	37.58	41.64	40.97
300692	-1.12	1.53	-1.81	1.12	-0.34	-2.01
300722	2.16	-0.39	0.95	-1.12	-0.86	1.30
300729	0.78	2.07	-1.50	-0.67	-1.25	0.68
300748	-0.42	-0.82	-0.09	-0.78	0.07	0.50
300771	-1.68	0.38	-0.36	-0.46	1.56	0.85
300813	5.31	2.22	0.03	0.41	-0.25	5.28
300839	1.39	1.14	1.38	-2.11	0.74	0.04
300853	-0.19	3.05	2.25	2.95	1.46	-0.64
300862	22.27	38.35	12.80	10.89	27.80	45.11
300890	3.04	8.70	1.80	6.75	1.76	2.66
300922	72.68	115.99	81.70	94.28	80.48	65.20
300961	1.96	12.50	2.46	7.74	19.15	11.57
300967	3.41	-0.73	-0.91	-0.46	-0.35	1.79
300969	-0.50	2.56	1.71	0.86	1.75	3.58
301005	80.34	98.64	64.35	69.42	78.64	75.61
301015	2.12	6.41	1.09	2.75	3.38	4.86
301024	-1.68	0.31	-1.14	0.36	0.66	1.86
301035	65.98	80.48	66.42	73.70	69.14	64.39
301049	-0.93	1.72	-0.89	-0.45	1.06	3.01
301054	4.29	4.12	2.42	4.91	0.77	3.42
301068	-0.79	-0.37	1.36	0.27	0.38	3.87
301070	-1.60	1.73	1.15	-1.24	-1.82	-0.02
301124	0.84	2.60	0.93	0.01	-2.08	1.73
301139	0.36	2.07	1.73	-1.00	1.60	4.77
301141	0.86	-2.44	-1.49	0.95	3.76	3.35
301143	14.79	13.53	13.67	10.55	9.45	12.36
301169	7.29	5.88	2.05	7.27	4.60	3.85
301171	-0.19	0.84	-0.33	3.11	0.10	-4.62

301214	32.90	53.80	43.97	16.90	30.96	52.65
301218	1.84	29.33	10.22	14.38	15.63	24.40
301240	48.03	34.00	26.93	19.77	11.74	13.01
301266	38.91	52.38	17.28	27.42	29.36	28.08
301281	0.38	1.87	-0.10	0.87	0.61	5.33
301306	1.21	1.47	1.53	0.63	-0.26	1.70
301307	-0.61	-0.46	-1.33	1.47	-0.17	-0.68
301313	0.08	2.97	0.52	4.33	1.99	-0.01
301376	43.14	54.79	31.58	54.03	67.56	59.37
301377	-3.44	-0.60	-1.01	-1.04	3.93	1.13
301391	8.14	5.39	1.07	5.11	3.70	6.84
301393	0.61	-1.72	-2.08	-1.07	-0.37	-2.40
301399	2.17	1.71	-0.08	4.85	2.46	2.02
301410	1.49	0.85	-2.06	3.23	-0.76	-1.32
301418	0.98	2.47	1.43	1.03	0.12	1.50
301448	0.11	-0.44	0.68	-0.83	-1.54	-0.50
301451	-1.46	-1.41	-0.85	-1.43	0.14	-1.52
301490	0.15	-0.42	-0.43	1.05	0.49	-0.58
301498	36.32	58.83	13.75	21.59	48.37	36.52
301506	36.53	51.07	16.77	28.83	45.01	46.18
301517	0.69	0.14	0.83	-1.46	-0.20	-0.08
301554	4.86	7.90	3.60	4.43	7.64	13.12
301582	16.60	15.10	12.78	17.53	14.70	12.15
301606	3.69	5.21	11.47	1.31	7.74	3.04
301664	18.39	37.22	6.28	29.01	24.85	23.05
301691	69.26	75.23	20.12	67.43	58.20	53.57
301694	-2.43	0.21	1.43	-1.63	3.18	0.62
301736	-1.61	0.70	-1.20	0.04	-1.36	0.84
301738	0.14	-0.23	0.05	1.08	-1.01	-1.10
301782	87.67	65.74	50.63	57.12	87.23	77.79
301819	12.84	11.83	6.94	3.11	8.14	9.18
301828	85.55	76.38	57.72	60.30	75.53	80.10
301877	12.25	17.12	5.46	9.00	16.74	29.20
301916	1.35	3.81	-1.35	1.19	1.29	1.07
301921	1.94	4.64	0.44	3.20	5.45	1.60
301932	1.60	3.31	-0.49	2.23	0.16	0.35
301934	2.13	1.77	-1.70	-0.45	-0.80	-1.59
301947	2.04	8.87	-0.23	1.58	1.35	-0.01
301956	31.77	51.52	41.61	39.05	38.31	51.98
301972	16.55	10.24	7.77	14.07	7.85	6.15
301985	41.27	57.20	29.35	32.28	20.46	42.62
301994	5.54	8.24	4.79	5.54	5.85	14.25
301995	-1.18	2.61	-0.24	0.24	-1.45	6.51
302054	6.77	9.63	2.72	5.69	4.24	3.47
302064	6.49	10.27	5.68	5.75	2.97	1.77
302170	17.97	24.76	16.66	14.77	26.28	15.72
302176	0.90	1.43	0.55	0.46	0.44	-0.35

302207	-1.49	0.44	-1.92	2.18	-0.30	-1.03
302215	-0.88	0.69	0.34	-2.51	0.77	1.26
302224	1.39	0.21	0.14	-0.32	-0.82	4.07
302259	2.89	9.75	0.85	2.03	2.47	3.66
302279	74.90	56.52	57.60	60.11	68.00	66.74
302285	48.84	53.96	39.65	41.38	50.59	46.37
302309	-1.23	1.42	-1.08	-0.30	1.37	3.17
302319	34.32	40.85	33.69	29.89	21.97	23.37
302328	98.92	83.06	89.84	68.36	94.40	84.07
302336	-0.81	-0.32	0.51	4.03	1.04	-1.85
302342	-0.35	-1.27	-1.90	0.65	-1.72	2.04
302346	2.96	2.16	2.69	-0.18	1.30	0.62
302365	3.04	5.72	1.39	3.18	1.89	0.96
302390	2.36	5.01	-1.19	12.75	13.13	15.28
302412	3.30	2.59	1.59	0.44	1.12	0.89
302442	3.29	5.22	2.17	1.78	4.25	3.47
302450	8.76	8.32	1.45	10.46	8.94	12.12
302455	-0.73	2.35	-0.22	0.81	-0.50	1.69
302463	0.37	0.18	1.15	-1.23	0.64	-0.29
302464	2.56	1.33	-0.47	-0.72	-0.14	-0.30
302488	55.05	49.05	52.80	52.21	58.36	64.08
302489	0.01	-0.17	-3.45	-0.21	-0.99	-1.82
302490	-2.07	-1.42	-1.44	2.31	0.87	-0.19
302519	0.53	-1.47	-0.08	0.96	0.57	-0.84
302539	1.57	2.27	2.25	-1.86	0.03	-0.17
302541	0.85	1.91	-3.83	0.64	1.10	-1.01
302579	0.09	-0.49	0.16	0.76	1.46	-0.60
302583	6.48	17.08	8.69	8.78	13.06	15.01
302585	7.48	0.76	-0.12	-0.75	-0.22	1.29
302602	-0.48	-2.43	-0.83	1.05	0.05	0.04
302611	1.44	2.27	-3.42	0.57	-1.66	-0.51
302631	0.64	2.92	1.26	4.13	10.26	1.15
302644	0.32	0.12	-0.60	0.20	-2.08	-1.24
302679	7.55	11.28	3.14	6.00	8.35	15.05
302690	-0.70	-1.02	-0.85	3.18	-1.15	-0.68
302704	4.63	4.88	1.26	9.41	1.02	0.99
302754	2.33	2.69	-2.66	0.13	1.52	0.22
302766	33.69	47.15	39.91	32.41	23.91	37.86
302772	22.22	44.25	14.68	15.58	30.39	18.73
302796	71.84	103.76	33.82	56.67	115.36	60.37
302820	-0.54	1.04	-1.78	-0.73	0.25	-0.90
302827	4.34	6.00	4.58	4.52	4.51	2.38
302836	1.43	3.21	4.93	-0.39	-0.17	1.24
302864	25.16	22.55	13.36	28.31	11.06	11.33
302886	66.26	80.20	27.23	24.84	63.76	44.49
302956	28.85	41.89	10.12	21.53	31.18	20.73
302962	4.57	4.18	0.93	2.51	4.86	8.19

303065	-2.28	1.90	-1.45	1.14	-0.87	0.54
303088	3.60	23.93	3.83	8.89	5.54	11.43
303110	3.28	9.20	4.95	2.39	9.36	6.36
303148	2.23	9.25	3.72	4.85	7.60	5.11
303159	20.03	26.49	6.60	19.80	5.54	25.12
303171	1.87	-0.48	0.21	1.34	1.14	0.33
303177	8.28	12.53	6.62	3.73	4.72	10.44
303184	5.81	6.93	8.36	2.61	5.69	7.94
303190	0.37	0.54	2.01	0.90	-1.49	-0.23
303192	17.15	34.24	23.94	20.45	21.28	27.65
303204	63.66	54.24	48.96	71.01	72.53	61.70
303226	27.72	22.79	22.63	21.83	10.15	29.32
303232	2.92	4.64	4.56	2.03	0.43	3.17
303237	-0.70	1.46	-1.25	1.05	-0.43	-1.41
303257	0.50	-1.19	-0.18	0.91	0.18	4.36
303292	4.16	0.74	0.13	3.77	1.03	1.61
303322	-0.27	0.92	-0.63	0.70	-2.75	0.16
303343	-1.90	2.46	-1.73	0.66	1.63	2.50
303354	3.46	8.91	3.15	1.78	1.00	4.37
303359	-1.01	0.87	-0.73	2.48	1.11	1.06
303366	3.77	4.97	18.60	3.27	3.09	4.90
303370	3.39	0.29	1.47	1.67	-1.66	1.88
303410	5.46	0.58	2.72	1.87	2.67	4.38
303430	-0.07	2.23	1.29	-0.82	-0.22	0.10
303435	19.19	27.66	15.07	10.05	21.01	19.76
303455	-1.37	2.79	1.01	2.15	0.28	1.36
303461	18.57	26.61	13.30	19.16	7.13	25.66
303482	-2.89	3.07	-0.20	-1.69	-0.35	-1.21
303484	2.90	13.10	3.16	4.11	3.76	6.85
303487	0.51	-2.67	2.25	-0.03	1.02	-0.71
303490	6.76	7.00	5.70	2.94	0.39	3.05
303567	36.02	44.99	37.01	17.79	42.48	42.13
303584	44.92	69.24	56.24	67.59	59.14	52.30
303607	0.88	1.62	1.45	3.89	7.52	12.30
303639	1.51	0.02	0.10	0.95	0.03	1.85
303657	109.92	102.06	100.01	92.08	90.42	108.68
303659	0.57	10.46	6.36	9.26	5.95	11.27
303682	5.38	5.54	4.84	1.18	3.19	8.19
303688	0.30	1.24	-1.21	1.01	2.06	2.47
303700	30.43	26.49	21.05	23.14	44.38	21.35
303703	3.37	-1.20	-2.03	-1.89	-0.85	-0.07
303719	37.42	29.88	31.71	20.81	14.04	12.72
303727	46.86	50.04	16.65	32.39	20.16	32.20
303732	15.88	26.18	5.82	16.35	36.91	25.71
303755	36.56	58.28	24.03	28.11	44.78	31.50
303758	39.84	43.91	13.44	33.44	37.78	32.79
303766	3.87	8.00	1.42	3.66	8.34	6.11

303797	6.33	0.66	-0.56	0.07	0.37	2.91
303805	0.16	-1.88	0.91	-2.60	0.02	-1.18
303817	1.99	-1.39	-0.52	-0.82	-1.87	1.41
303843	78.34	81.51	67.43	72.85	77.78	74.30
303901	0.80	-0.68	-0.16	-1.79	-0.60	-0.94
303916	0.87	2.21	-0.54	0.34	-0.34	0.47
303925	-0.38	1.56	-0.81	-1.22	0.00	-1.24
303954	-0.35	1.10	-0.45	2.79	-1.13	0.54
303957	-0.67	3.10	0.67	0.76	0.60	2.82
303962	29.88	39.75	29.50	11.21	15.00	20.75
303973	52.42	39.21	10.23	31.05	26.35	29.47
303982	-0.52	2.52	-1.11	9.00	-0.50	-0.59
303983	64.50	29.40	28.78	26.14	10.71	19.44
304005	-1.30	-2.75	-1.61	-0.98	-0.71	0.55
304008	-0.73	1.12	-0.25	-1.75	0.66	-0.13
304038	-1.20	-0.50	-1.38	-0.12	0.21	-1.62
304111	22.19	39.40	19.08	17.13	27.29	17.99
304116	2.73	-0.56	0.84	0.01	2.73	0.82
304139	-0.28	-1.65	-1.86	0.84	2.61	0.01
304156	4.33	8.27	3.69	7.03	3.27	8.60
304158	11.39	31.17	17.11	22.93	35.93	24.90
304194	-0.71	1.00	0.11	0.65	-0.43	-0.39
304260	46.72	68.32	27.18	38.77	45.79	58.51
304278	0.85	0.09	0.47	5.21	0.91	0.22
304281	50.01	60.47	37.34	58.50	67.06	41.23
304310	63.57	47.89	46.27	34.40	23.24	33.55
304317	2.57	6.27	6.23	5.17	4.16	4.42
304333	51.54	49.97	49.94	32.53	33.22	41.10
304340	-0.26	4.74	-0.15	1.76	0.88	0.41
304359	-0.91	-0.36	0.80	2.34	-0.39	4.23
304379	-1.05	1.74	1.22	-1.38	0.66	-0.64
304385	-1.67	-0.09	0.26	0.65	-0.31	-0.78
304397	14.56	19.33	7.81	18.91	16.68	11.92
304410	13.35	24.78	9.74	10.60	13.62	9.66
304430	12.70	29.33	19.43	10.43	11.29	11.95
304455	2.43	5.06	3.79	3.85	23.17	7.48
304456	34.51	24.33	33.68	11.53	11.77	13.05
304466	1.03	5.18	1.49	0.68	2.68	1.06
304467	81.39	60.24	59.50	48.37	21.50	65.19
304478	-2.92	0.50	2.65	-2.48	1.42	1.00
304479	54.68	53.42	22.66	50.82	37.71	53.29
304484	0.93	10.90	2.81	3.09	1.43	3.16
304513	6.24	11.07	5.72	5.29	13.06	12.52
304550	0.42	2.29	1.92	-0.31	-0.17	4.39
304554	-0.40	2.18	2.80	0.06	-0.08	-1.20
304580	4.53	13.45	6.88	3.20	6.85	7.93
304617	-1.31	1.18	-0.77	4.15	0.28	0.38

304630	-1.10	1.41	-0.22	-0.61	-0.70	-0.97
304660	-1.43	1.05	-1.29	-0.80	-0.70	0.73
304701	1.26	-0.40	2.06	0.35	-1.35	0.29
304720	4.11	8.00	3.94	2.59	1.90	10.93
304754	-1.71	-0.09	-2.27	0.44	4.83	-0.28
304843	14.50	18.11	13.17	4.24	14.59	10.14
304855	5.62	11.56	3.38	4.76	4.56	3.81
304895	7.05	3.65	2.80	1.77	1.87	4.41
304938	-0.03	2.34	1.42	5.43	2.01	1.19
304956	10.25	17.92	5.21	20.72	6.15	13.38
304961	2.44	6.05	6.26	4.75	11.34	4.82
305023	-1.47	-2.79	-0.54	-1.10	-0.83	-1.03
305056	32.79	16.70	10.77	30.27	9.35	20.57
305065	-1.20	0.28	0.44	3.85	0.74	0.34
305089	10.70	14.58	4.31	8.82	10.59	11.21
305139	-2.73	-0.86	-0.01	-0.86	-2.09	-1.02
305143	49.48	51.77	46.77	28.01	26.40	56.39
305147	35.16	64.95	9.96	74.47	77.32	98.80
305151	32.09	31.26	22.23	26.96	61.60	63.06
305157	54.64	57.38	53.09	44.58	59.31	28.23
305171	-0.08	2.06	-0.41	-1.04	1.95	-0.45
305185	-0.22	1.24	1.98	-1.83	-1.15	1.65
305193	45.58	39.27	17.36	32.86	46.33	35.45
305197	52.88	80.18	43.50	39.11	65.88	35.42
305205	1.54	-3.41	0.34	-0.26	-0.16	0.93
305222	1.05	2.77	5.43	-0.11	1.43	2.57
305255	2.90	4.13	2.78	1.35	-0.74	0.58
305278	15.05	30.36	30.05	16.42	19.29	15.43
305309	-0.36	0.09	0.07	-1.85	0.94	0.32
305335	0.50	0.61	-0.12	0.54	0.23	1.01
305337	3.33	11.62	7.83	8.58	5.74	19.39
305366	27.34	49.09	41.18	33.02	30.00	32.44
305378	59.05	47.42	40.01	55.19	41.41	48.38
305396	1.45	1.44	-0.08	1.50	0.40	1.77
305400	-0.19	-0.61	0.67	-0.13	-2.42	-0.70
305439	2.28	2.27	-0.26	0.21	-1.18	-0.08
305463	-1.65	1.84	-0.02	0.06	-0.69	-0.88
305531	4.58	10.29	2.67	3.19	11.13	8.41
305543	-0.73	0.10	0.62	-0.39	0.08	0.02
305557	10.85	20.29	17.52	13.08	5.87	24.80
305559	1.44	2.78	2.79	1.43	2.56	3.39
305586	14.68	11.23	4.13	24.69	14.52	16.03
305590	3.52	5.57	3.18	3.53	2.11	2.29
305601	-1.79	-2.01	-0.63	-0.99	-2.10	-0.60
305649	11.30	12.82	28.38	8.04	0.40	8.68
305669	6.36	55.42	4.21	20.21	34.74	62.96
305684	2.56	9.11	2.53	9.51	7.77	6.62

305687	43.12	38.88	36.30	15.91	32.03	21.75
305705	1.90	9.26	3.43	1.23	3.63	3.13
305711	-0.55	-2.27	-1.23	1.92	-0.10	0.76
305716	21.55	46.83	16.41	51.05	49.31	44.89
305721	-0.07	8.21	3.00	6.74	2.15	2.59
305729	0.42	-1.87	1.97	0.23	-1.54	-0.92
305754	1.32	0.48	2.70	-1.29	0.11	2.55
305759	-0.77	2.53	-0.34	-0.83	1.42	2.69
305778	1.15	3.64	2.20	3.73	0.01	1.86
305822	0.97	-0.86	-0.85	-2.01	0.07	0.06
305846	19.99	114.71	65.64	52.75	20.55	62.29
305854	2.81	-1.73	-0.45	-0.55	-0.93	0.20
305864	2.77	10.64	3.29	2.11	2.18	4.59
305901	2.52	3.42	0.57	3.26	2.93	2.75
305924	-1.60	0.72	-1.72	-1.31	-0.38	-1.45
305928	-0.32	2.08	1.70	0.10	-1.06	3.72
305939	-2.44	1.50	-0.44	0.84	-0.25	-0.84
306013	-0.06	0.13	-0.14	2.68	0.29	-1.19
306025	-0.92	-0.93	0.24	0.22	-0.31	-0.84
306036	84.73	99.18	52.62	99.95	91.58	65.45
306042	-0.02	-0.19	0.70	10.99	0.53	0.77
306044	35.39	17.26	25.00	20.48	23.87	34.38
306055	-1.32	-0.11	-0.44	0.23	0.90	0.39
306082	48.41	80.52	10.46	88.19	59.63	54.92
306096	-2.12	-1.01	-0.91	-0.11	1.76	-0.92
306111	121.11	78.54	90.15	106.98	70.52	76.00
306169	-0.65	-1.15	-1.64	0.51	-0.35	-3.11
306188	-1.55	1.65	2.45	0.25	-0.50	-1.90
306200	1.84	-1.03	1.20	-1.74	1.56	-0.47
306206	-0.62	1.53	-0.33	1.64	-0.90	-0.51
306262	33.09	60.57	38.14	33.33	43.14	44.97
306289	0.33	-1.03	-0.08	-0.55	-0.75	0.23
306290	3.03	28.80	3.72	1.96	4.50	5.03
306349	10.14	7.86	1.30	8.28	10.66	10.57
306365	62.44	63.07	27.74	50.51	59.36	49.92
306391	-3.76	1.42	0.16	-1.92	-2.13	0.20
306410	-0.09	3.13	-0.23	2.97	6.67	3.65
306448	95.15	78.88	66.41	62.39	86.03	88.82
306454	96.86	125.38	111.02	85.13	101.98	93.77
306468	-1.77	1.07	-1.49	-4.17	-0.65	-1.05
306483	75.65	99.51	83.21	96.99	102.36	108.73
306485	-0.77	-2.17	0.06	-4.35	-1.14	-1.20
306516	7.22	9.85	4.50	9.12	8.28	11.64
306521	5.17	6.34	1.33	3.02	1.96	2.80
306595	-1.55	-1.34	1.88	-1.07	-1.46	0.35
306596	0.65	-1.60	-0.74	-5.28	-1.16	-0.37
306600	63.41	80.20	54.47	59.98	43.35	42.02

306661	28.81	43.66	23.27	33.20	47.65	26.14
306687	35.90	33.41	20.26	14.76	18.76	18.64
306698	24.81	24.53	7.57	13.02	21.69	21.51
306701	-0.79	-0.57	3.18	1.78	1.44	0.03
306706	-3.16	6.30	-1.65	9.64	-0.17	-1.64
306707	29.95	26.96	3.17	14.90	12.75	11.84
306708	11.60	33.48	5.30	19.26	45.48	17.81
306753	16.23	13.64	8.39	8.63	6.47	14.65
306756	23.32	39.01	17.98	18.94	34.71	31.63
306837	2.94	3.76	-0.64	1.28	5.53	1.63
306849	-0.36	-3.10	1.40	-1.25	1.61	-0.27
306866	-3.05	0.75	-0.87	-0.22	-0.85	-0.79
306867	5.20	2.87	-2.30	0.28	-0.24	-0.54
306961	1.21	1.83	-0.07	1.16	0.55	0.24
306964	0.50	5.03	-1.03	2.85	1.91	2.44
306985	2.30	2.26	0.95	1.06	10.00	4.61
306988	5.02	2.03	-0.78	-0.50	3.64	0.30
307000	0.31	2.61	0.89	-1.31	-0.01	1.29
307024	-1.63	-1.31	-1.00	0.57	-1.16	3.07
307028	-2.31	14.81	22.63	4.98	-0.67	6.26
307057	0.42	1.89	-0.88	-2.81	-0.89	1.00
307067	-2.16	3.45	-1.20	1.58	0.60	0.80
307071	3.85	1.41	0.13	-0.62	-1.39	3.51
307091	5.10	7.46	4.25	5.90	2.21	11.08
307095	52.92	56.94	74.57	53.14	54.69	62.79
307122	-0.15	-1.73	-1.38	2.70	0.73	0.69
307146	8.29	22.07	6.61	6.52	10.20	10.76
307147	0.17	-1.88	0.36	-0.05	-0.80	-0.38
307149	6.60	18.81	9.74	5.06	11.36	4.48
307151	-0.32	3.47	-0.82	-0.22	-2.58	1.54
307169	0.84	-0.16	0.47	-0.59	-3.86	-1.61
307199	0.20	-1.00	1.24	-0.78	-1.46	0.07
307231	59.17	65.12	38.54	60.49	55.58	48.06
307239	-0.84	0.24	1.97	-1.58	1.88	0.91
307269	0.21	-0.97	2.57	-0.88	0.44	0.62
307295	6.65	5.34	7.12	2.53	6.82	6.07
307318	-1.11	-2.46	-1.52	-2.40	-1.40	0.52
307333	85.57	73.16	65.13	62.14	76.99	62.55
307343	0.29	-1.19	-0.83	-0.06	-1.09	-0.05
307417	21.14	24.07	22.83	14.85	28.32	56.02
307478	0.48	-1.93	-0.71	-0.92	0.45	0.30
307485	9.94	25.50	6.83	31.26	61.64	75.44
307512	0.94	0.05	-0.57	-0.02	-2.36	-1.07
307562	0.15	13.17	2.65	7.25	5.82	5.48
307588	13.08	21.22	25.47	10.28	19.19	31.33
307602	82.60	91.21	80.96	109.00	77.47	87.14
307688	87.30	60.89	46.65	50.24	68.29	55.96

307692	-0.07	1.98	1.59	0.56	0.49	1.67
307734	-1.56	-0.49	0.05	-1.69	-0.42	1.44
307749	7.07	18.40	6.81	6.63	4.41	13.89
307774	13.41	14.24	12.38	15.20	27.28	17.17
307787	5.86	9.38	1.65	61.98	64.43	49.48
307797	78.98	69.04	57.91	47.68	52.00	72.76
307808	19.31	25.18	17.22	18.39	14.97	18.39
307817	-1.75	0.48	1.11	1.22	-0.65	-0.94
307827	66.23	46.17	43.81	40.55	51.68	59.52
307828	0.44	1.93	-1.10	0.80	2.45	0.12
307845	0.17	-0.30	-0.45	-0.29	-0.76	0.25
307847	25.26	27.49	16.02	21.49	19.76	16.60
307853	9.36	20.21	0.68	23.02	14.14	22.46
307892	0.36	-0.93	-0.25	-5.59	0.11	0.79
307916	0.45	0.06	3.90	3.27	0.75	-0.22
307921	5.38	0.46	-1.16	5.93	2.37	2.72
307943	28.74	34.18	23.24	22.28	31.54	23.89
307944	70.09	95.39	69.02	73.02	59.29	65.52
307981	2.26	3.98	-0.07	7.37	1.24	1.69
307996	2.93	-0.30	-1.43	-1.25	-0.93	-2.08
308009	7.11	16.68	8.14	13.66	12.19	7.71
308021	32.13	36.01	18.75	28.32	39.22	32.08
308032	7.09	11.63	4.13	6.45	12.74	7.21
308055	-1.45	-2.02	-0.79	-0.90	0.20	-0.34
308058	0.31	1.48	3.12	0.02	5.19	1.67
308117	4.86	16.49	0.56	12.18	8.71	9.02
308129	-0.69	-2.13	-0.61	-0.08	-0.01	0.62
308131	-1.89	1.94	3.24	-3.16	0.20	-2.23
308136	-1.15	2.31	1.15	1.69	1.99	-2.11
308141	63.68	72.29	53.28	67.45	98.21	91.34
308143	14.44	10.81	15.55	8.98	16.99	14.52
308157	0.68	2.94	-0.08	1.96	4.28	2.79
308179	1.45	0.26	-0.68	-2.43	0.99	-0.48
308193	48.60	50.36	55.01	39.35	23.13	40.92
308239	-0.85	-3.14	0.03	-0.53	1.19	-0.90
308247	42.02	20.54	27.85	15.93	9.13	25.38
308281	61.77	79.49	67.09	51.96	63.69	57.50
308306	-1.67	1.68	-0.10	-2.56	-0.84	1.04
308308	35.06	24.64	8.51	22.16	12.69	26.64
308336	0.02	27.34	-1.01	42.34	13.31	23.14
308377	3.80	0.16	-0.26	-0.77	-0.22	-0.45
308384	-0.28	-0.69	-0.73	3.09	4.21	-0.47
308387	61.29	75.85	51.66	42.57	50.23	58.77
308395	89.60	79.86	59.66	62.67	69.06	72.50
308406	3.12	1.30	2.38	3.42	0.77	2.29
308419	8.06	8.52	19.87	8.09	4.93	3.28
308421	3.32	1.80	-1.57	5.07	-0.87	-1.21

308461	1.18	3.41	-0.28	-1.23	-0.27	2.30
308471	-0.54	0.48	-0.04	-1.04	0.10	-1.78
308508	19.35	27.93	20.70	13.82	24.11	27.17
308517	0.36	1.94	0.25	1.36	-1.59	1.15
308525	4.16	31.42	12.83	16.84	23.08	46.77
308545	3.15	5.68	5.32	3.67	2.13	2.57
308550	-0.07	-0.14	1.61	-0.89	-1.87	3.07
308602	1.52	-1.98	-2.32	-0.12	1.24	-2.76
308605	38.69	45.76	40.34	28.38	42.22	44.02
308635	-1.78	9.84	-0.25	9.68	6.32	10.24
308640	-0.55	-0.41	0.41	0.60	0.47	0.55
308675	0.08	-1.48	-0.24	-1.32	-1.01	0.80
308676	-1.00	-1.65	0.55	-1.44	-1.75	0.09
308723	14.12	42.54	8.62	11.53	18.02	24.78
308725	13.15	21.08	17.57	9.98	15.46	13.28
308754	0.31	-1.01	0.55	-1.58	0.42	-0.49
308761	2.35	1.35	0.20	-0.47	0.70	1.28
308766	-2.06	2.39	-0.52	3.99	1.45	0.16
308784	79.04	53.78	58.84	58.27	78.99	83.67
308790	0.81	-0.48	1.65	1.33	3.88	-1.01
308793	-1.83	-0.23	0.50	1.06	0.58	-0.27
308822	31.09	37.27	22.94	19.99	30.48	34.80
308836	4.47	5.43	4.87	0.62	0.74	-0.78
308846	3.84	0.73	2.53	-1.77	-0.36	0.16
308858	-1.95	-0.30	-0.85	2.20	-0.96	-0.40
308861	22.29	34.69	33.60	24.84	26.33	24.37
308907	0.90	4.87	0.30	0.73	6.22	2.31
308913	13.75	9.55	3.92	9.61	17.59	5.85
308943	96.31	123.03	88.65	87.70	83.07	71.93
308947	-0.41	6.06	0.49	0.43	-0.13	-1.76
308985	113.09	70.31	90.32	88.03	77.76	75.25
309006	1.04	1.01	-3.96	-2.60	-1.07	-0.23
309023	1.86	2.17	1.69	4.40	-1.11	-0.91
309033	5.73	5.05	1.34	3.83	4.51	1.52
309034	-0.12	0.49	0.30	3.20	1.76	-0.45
309042	73.25	82.25	56.12	97.19	86.34	92.48
309058	9.10	14.90	0.86	6.14	7.84	8.31
309086	29.73	49.17	23.03	17.02	40.73	24.14
309091	2.50	13.36	5.58	20.28	12.78	20.91
309098	1.61	3.59	0.41	-0.06	1.29	-0.09
309111	46.67	50.65	26.44	33.10	54.45	39.76
309120	54.16	55.81	38.27	46.38	53.53	52.99
309126	80.22	63.80	89.67	69.89	76.14	86.42
309143	104.10	83.80	80.78	99.98	81.93	90.43
309186	15.45	24.34	16.15	36.76	25.00	41.73
309203	1.98	12.41	2.87	15.88	21.71	17.08
309205	45.10	54.29	38.22	36.56	18.87	5.88

309248	0.63	0.23	-0.15	2.84	4.18	3.55
309252	5.99	0.96	1.81	2.15	0.76	0.09
309261	73.20	74.61	74.26	95.37	85.60	70.81
309283	10.03	12.98	5.43	2.35	5.09	8.37
309290	-0.02	1.10	-2.16	-0.43	-0.29	-1.13
309297	11.75	32.16	20.20	17.66	31.60	22.92
309328	6.40	11.39	9.96	9.40	6.33	11.20
309377	10.01	16.44	3.63	15.28	20.71	11.98
309382	-1.00	1.89	0.64	-0.25	2.16	0.29
309430	22.41	37.52	12.39	19.48	18.90	19.86
309442	52.36	69.78	34.79	16.44	42.48	57.64
309451	79.99	100.08	85.18	100.33	100.28	75.75
309460	60.89	78.64	46.36	79.97	47.58	51.59
309470	7.11	6.70	2.73	3.37	8.92	7.28
309487	-0.44	0.98	-1.33	-1.59	-0.02	0.96
309553	28.85	32.87	16.59	18.54	42.70	42.31
309584	0.62	2.65	-0.08	1.08	3.09	3.35
309588	2.71	0.95	3.69	1.20	0.27	-1.08
309617	-0.35	0.55	1.78	7.00	-1.65	0.93
309624	39.67	29.42	10.14	39.93	48.60	49.80
309644	-0.83	1.77	0.76	-1.78	3.10	2.54
309651	2.01	1.73	0.89	-1.16	0.73	-0.16
309675	48.75	43.38	25.78	35.47	40.98	25.28
309734	1.20	-0.85	-0.80	4.51	0.99	-1.24
309759	13.65	14.28	6.31	18.75	20.17	20.42
309760	-1.67	0.49	-0.78	0.75	-0.04	-0.94
309778	0.17	4.10	-0.68	1.33	3.44	4.43
309779	1.15	-0.02	-1.91	-0.34	-0.97	0.05
309783	1.40	0.04	1.19	1.43	-0.54	0.92
309800	1.25	11.89	-0.32	1.46	3.97	5.47
309805	0.70	1.38	-0.38	2.01	-0.09	0.46
309811	2.77	30.44	3.43	14.81	19.31	15.85
309815	-1.36	0.10	-2.81	0.62	-0.56	0.95
309824	-0.72	-0.45	-2.48	0.74	-1.25	-0.25
309847	88.54	94.67	80.41	61.76	84.79	79.76
309860	-0.90	2.50	-0.55	1.42	1.71	0.57
309866	-0.37	0.32	-0.05	3.80	0.28	1.03
309879	13.96	20.13	17.08	18.52	9.69	15.10
309885	-1.12	-1.71	0.00	-0.04	-1.41	-2.61
309889	38.81	36.47	31.11	20.34	38.75	38.58
309908	1.19	2.72	-0.72	-0.92	0.99	-0.64
309937	-0.82	-1.05	2.68	2.16	0.18	2.39
309949	0.92	1.81	-0.08	-1.21	-0.88	1.06
310004	53.17	73.06	31.24	46.96	63.20	55.03
310009	4.63	5.18	1.97	2.20	2.84	2.58
310034	-0.86	-2.96	-0.47	1.38	2.48	-2.59
310061	72.78	50.69	59.92	55.14	55.22	64.23

310064	37.94	35.99	26.88	18.88	44.71	49.65
310072	-0.41	0.46	1.40	-0.28	-1.43	0.71
310106	0.10	1.60	-1.56	0.24	0.42	6.70
310120	-0.34	-2.47	0.59	-1.23	-0.65	-0.30
310123	28.20	16.38	5.35	14.00	15.66	22.32
310124	25.40	52.03	12.59	26.48	40.85	55.77
310130	0.69	1.89	0.40	1.56	-0.58	1.61
310139	8.36	15.70	13.01	12.43	7.81	16.91
310174	17.73	46.98	9.98	50.77	63.25	62.96
310187	2.31	-2.15	0.10	-1.89	0.60	-0.51
310205	-0.13	0.61	0.03	1.32	1.88	-0.04
310210	14.96	9.40	1.76	6.80	12.82	11.33
310231	5.43	10.03	4.90	11.96	3.56	7.50
310233	20.74	21.56	28.26	27.63	22.15	26.72
310265	-0.35	-0.24	0.98	-1.20	-1.06	0.53
310294	59.87	91.52	60.60	51.24	79.49	79.47
310335	7.53	12.56	17.22	4.84	8.92	5.68
310349	4.66	12.09	4.06	5.57	16.71	10.14
310368	-0.85	-1.19	1.51	-1.08	0.88	-0.02
310400	10.79	36.44	6.44	23.30	53.58	34.72
310407	0.00	-1.75	-0.72	-1.84	-0.94	-2.02
310410	0.75	-2.39	-1.30	-0.45	-0.49	-0.37
310414	-2.31	-0.63	-1.33	-0.37	0.41	0.32
310434	4.91	0.69	10.44	2.47	0.43	-0.77
310452	33.38	72.87	6.00	31.06	54.65	49.99
310457	2.36	48.34	6.49	23.41	10.50	36.50
310484	7.87	3.92	6.19	5.06	13.20	3.77
310498	3.04	6.30	1.01	3.81	5.43	4.73
310513	54.97	66.01	22.02	51.59	59.59	61.60
310517	5.14	2.43	0.96	9.48	1.97	1.34
310551	-0.97	1.60	-0.13	-0.50	0.59	0.07
310556	2.28	14.42	-0.07	2.95	4.74	6.10
310587	-1.04	-0.19	1.65	-1.93	0.16	-0.55
310647	-0.35	4.03	3.62	3.38	0.30	1.41
310662	46.06	15.83	22.50	14.99	12.08	20.41
310671	-0.94	2.40	-0.53	-0.15	-1.25	-2.79
310681	0.22	2.77	1.82	4.35	0.63	2.15
310716	0.05	0.56	1.67	-0.02	-0.04	-1.07
310731	23.53	33.37	32.21	23.50	35.98	32.16
310752	23.20	28.86	19.79	21.52	21.95	29.95
310764	-3.09	-1.59	-0.62	-0.87	-1.47	-1.76
310766	36.15	47.16	48.69	29.79	52.63	42.38
310772	-0.23	1.07	-0.48	-2.30	0.77	0.29
310801	28.33	48.84	39.57	13.81	9.29	10.79
310810	19.03	18.96	5.81	26.08	25.55	32.12
310811	-1.31	1.19	-0.91	1.02	-0.30	1.97
310836	42.17	59.75	21.01	33.92	27.88	37.69

310840	13.47	10.45	1.47	13.92	24.20	26.04
310863	6.64	3.68	1.76	5.00	2.11	2.93
310869	4.18	1.85	3.34	-0.73	-4.39	-1.17
310877	-2.43	2.33	-1.33	-1.79	-0.25	-0.98
310990	1.29	0.37	-1.11	0.85	-1.00	0.99
311006	16.83	23.17	14.61	20.08	24.51	25.82
311048	2.09	0.25	2.09	-0.33	-1.40	0.85
311052	25.05	39.57	8.70	31.94	33.44	42.79
311086	0.41	0.55	0.26	-1.96	-1.16	-0.59
311095	-0.95	3.45	0.29	2.45	2.07	-8.18
311119	39.98	76.68	48.75	71.47	84.92	57.89
311131	-2.25	-0.32	-0.46	-0.87	0.53	-2.13
311137	49.68	57.80	44.93	50.20	78.01	82.76
311160	0.51	0.42	0.64	-0.60	0.30	0.66
311181	2.77	7.31	0.59	10.27	10.78	17.51
311184	-1.18	0.06	-0.69	1.04	-0.45	3.10
311190	14.38	37.45	12.56	5.63	8.49	22.66
311243	39.52	71.93	16.85	46.42	51.26	68.50
311251	68.13	91.80	74.49	69.69	77.79	66.63
311255	0.38	-0.61	1.31	5.28	0.45	0.54
311257	79.70	80.67	71.00	75.16	52.01	68.58
311342	1.97	-0.69	3.24	3.11	0.22	0.91
311389	8.45	16.65	5.75	7.25	5.74	9.68
311394	24.86	31.10	5.27	31.70	38.15	37.92
311396	1.81	5.12	1.98	11.60	3.34	10.75
311416	-0.05	0.86	-2.38	-0.87	3.50	8.17
311417	54.36	63.62	46.22	46.90	54.16	49.28
311434	0.29	1.06	-0.59	-0.56	1.77	0.77
311449	3.04	8.81	2.28	9.80	30.87	13.53
311493	-3.07	2.16	1.26	0.66	4.15	5.43
311530	1.16	7.32	2.87	5.85	3.36	4.62
311542	3.03	-0.59	0.76	0.40	-0.94	-1.36
311584	33.40	50.09	33.30	42.17	40.40	43.53
311624	9.10	15.18	3.19	1.36	2.24	6.96
311637	0.32	1.85	-0.24	-0.88	-1.12	-2.81
311643	1.41	1.74	0.92	0.08	2.94	1.09
311659	88.75	77.73	73.17	113.73	62.92	67.49
311678	1.36	4.43	3.42	2.31	3.64	2.61
311694	1.22	1.36	0.91	0.96	1.11	0.52
311734	60.06	57.65	48.16	58.68	51.59	64.14
311758	14.35	34.75	5.62	14.64	24.95	29.09
311769	0.08	-1.04	-1.39	-0.22	-0.59	0.06
311790	-1.88	1.49	-0.27	1.40	-0.53	-3.46
311817	5.65	5.41	2.52	2.85	1.55	6.22
311821	7.09	7.20	3.37	5.53	8.78	8.47
311833	54.52	68.12	63.39	41.95	55.76	72.48
311856	88.56	79.19	68.68	47.80	61.05	77.87

311876	6.59	18.49	10.79	14.88	1.50	3.19
311919	2.38	5.34	3.11	1.29	0.77	1.49
311946	14.94	14.81	4.45	11.76	16.15	15.45
311995	-1.79	-0.04	-1.40	1.41	-1.88	-0.94
312013	29.59	24.05	14.07	13.34	6.45	12.87
312020	-0.19	0.74	-1.25	1.63	3.68	-0.47
312029	0.88	3.62	-0.63	0.92	3.59	3.03
312031	6.91	0.68	0.97	1.50	1.35	-0.91
312067	4.31	4.70	0.32	2.90	0.43	-0.58
312080	13.58	25.33	7.95	21.21	19.73	22.18
312088	-0.19	0.83	-0.37	-0.21	-0.66	0.89
312133	1.38	-0.36	-1.08	-0.20	-0.34	-1.58
312135	1.85	6.61	-0.53	5.88	10.83	4.99
312137	2.99	3.88	1.59	2.92	3.79	1.13
312148	69.44	57.10	64.31	58.58	61.99	46.59
312162	1.00	2.35	0.14	-0.13	1.78	1.37
312168	18.41	27.38	31.76	7.50	12.05	9.65
312249	48.32	48.65	6.11	24.92	23.84	24.30
312274	2.90	5.06	0.60	4.78	3.39	0.70
312292	0.59	-1.67	-0.71	0.68	-0.23	0.37
312322	5.83	8.36	3.23	2.86	2.99	5.88
312356	6.75	5.36	0.93	3.23	8.05	8.62
312376	67.27	74.65	60.66	51.12	49.83	65.02
312391	2.79	1.22	1.22	3.43	1.10	4.20
312450	0.06	1.35	-0.14	0.42	-1.11	-0.76
312503	11.06	5.48	4.64	1.77	0.62	2.43
312549	4.20	11.85	1.92	2.18	9.52	2.81
312581	56.01	58.67	27.08	65.47	67.09	55.13
312593	80.69	79.11	36.91	72.61	79.47	86.95
312653	1.33	17.45	3.80	18.89	7.94	9.85
312697	0.05	-1.16	1.73	-2.06	-1.19	0.54
312704	2.50	12.30	9.10	10.17	10.38	5.38
312707	0.98	-0.17	0.72	3.04	1.24	0.63
312711	4.17	5.95	5.39	5.48	4.39	6.09
312739	4.21	1.81	-0.32	1.80	3.34	3.26
312743	-0.67	1.35	-1.13	0.07	1.39	-1.90
312744	19.04	29.70	15.61	20.86	31.39	42.10
312780	1.10	0.28	0.60	2.42	0.62	1.61
312787	-1.35	1.70	-0.08	-0.55	0.94	-1.24
312791	3.94	8.20	5.29	17.57	7.21	9.91
312816	92.88	105.93	73.47	88.92	95.00	86.33
312829	16.97	17.69	5.18	15.70	17.58	24.67
312835	63.47	51.43	31.31	25.24	52.49	48.10
312883	23.33	16.24	6.10	5.84	2.80	6.41
312891	28.15	20.15	2.16	24.31	28.50	15.52
312895	0.71	-1.41	1.94	1.16	-1.16	-0.87
312925	-0.55	-0.91	-0.78	-0.39	1.01	0.33

312951	60.31	45.36	43.41	38.85	52.67	55.22
312996	31.37	41.06	1.52	27.16	14.23	25.56
312998	-0.47	2.93	2.11	4.50	0.28	0.22
313009	5.17	-2.46	-2.49	-1.84	-0.51	6.66
313014	-2.08	5.02	0.04	-0.03	0.86	-2.54
313028	0.41	0.96	0.19	2.76	1.48	-2.03
313055	4.06	-2.01	-2.22	-1.79	0.90	3.51
313098	-2.71	-1.15	-0.29	-0.23	-0.37	-2.18
313129	4.15	6.69	3.50	3.56	1.39	1.37
313142	57.51	58.68	35.67	41.62	51.53	63.16
313167	18.64	20.60	8.66	16.02	17.13	23.90
313245	-0.46	3.39	0.86	-0.18	3.42	1.99
313282	73.89	37.56	51.57	79.15	52.43	67.85
313325	-3.57	0.34	0.07	1.12	0.54	-1.09
313335	-1.06	-2.48	-0.21	0.36	-0.10	-0.77
313336	12.36	24.72	18.73	32.01	12.11	17.83
313342	-0.06	1.30	0.08	-0.53	-0.44	1.19
313345	9.84	29.41	9.23	10.58	9.58	17.21
313346	1.20	2.66	-0.23	2.37	0.33	0.04
313388	-0.33	-2.04	0.53	-0.01	-0.19	-0.50
313398	30.53	56.40	9.76	62.11	40.30	53.57
313402	52.01	41.98	41.05	56.13	53.28	54.38
313407	34.79	29.20	28.44	9.84	11.64	18.16
313414	16.83	40.10	18.67	30.54	14.70	21.57
313415	2.53	1.07	-0.50	0.29	2.46	1.03
313421	28.86	26.30	25.75	22.80	16.73	19.09
313467	0.17	-2.02	-1.14	-0.87	-0.80	-0.90
313470	53.09	64.39	41.53	52.37	46.64	49.95
313527	84.33	73.06	62.36	106.20	74.01	71.32
313536	-0.75	-0.37	0.09	0.52	0.97	0.27
313559	2.36	-0.37	-1.17	2.50	-0.56	-0.17
313590	-0.76	1.63	3.93	2.08	2.01	0.90
313644	37.32	42.26	22.85	35.02	46.25	39.18
313652	110.41	110.24	97.42	103.43	115.00	83.76
313661	16.36	31.66	17.73	14.73	19.73	36.51
313669	68.71	74.23	41.51	60.22	49.59	81.03
313693	-1.12	2.71	0.79	-1.69	-0.77	-1.58
313737	5.83	6.51	6.58	15.36	15.69	24.08
313753	18.05	10.61	-0.25	13.71	20.26	13.32
313764	8.27	5.12	4.00	3.51	4.11	5.31
313790	1.78	-1.16	1.51	1.11	2.22	0.61
313803	31.12	38.74	22.09	28.20	29.34	43.65
313808	1.54	7.96	-0.14	4.86	3.58	1.19
313864	0.42	2.50	1.38	-0.27	0.55	0.39
313876	-1.05	1.95	-0.18	-1.86	-1.89	0.15
313927	0.83	1.38	0.34	-0.09	-1.44	1.42
313942	-1.08	-0.44	1.76	-1.15	0.08	-0.86

313949	7.46	11.45	6.15	8.09	11.89	9.78
313957	7.10	20.63	1.06	11.14	18.14	11.71
313999	1.00	0.81	6.43	2.17	1.04	2.66
314011	1.62	5.25	0.03	1.53	-0.40	-0.66
314016	0.23	-0.05	-0.14	-1.54	1.33	1.37
314028	11.27	13.40	2.06	4.39	5.68	13.98
314029	-0.18	-1.73	-0.08	-1.32	-0.70	-0.25
314048	4.07	6.86	1.51	2.11	0.99	1.35
314050	53.70	71.98	36.09	64.71	59.74	48.87
314070	-2.11	-0.23	0.75	-0.36	-0.33	-0.76
314102	5.46	2.10	2.01	1.99	1.43	4.83
314114	18.35	28.39	8.40	24.05	20.85	25.78
314127	-1.39	-1.46	-0.56	-2.28	-0.82	-1.37
314159	8.28	5.72	1.24	2.82	3.05	4.85
314264	5.98	3.73	2.24	0.94	1.84	1.35
314308	2.00	-1.54	0.20	0.86	-0.11	1.63
314325	-0.35	1.44	0.01	1.53	4.98	3.28
314328	3.91	9.16	7.08	3.54	11.16	8.97
314329	3.62	1.68	0.90	2.73	4.38	2.96
314346	2.43	-0.47	0.82	0.88	5.05	4.42
314374	2.72	12.02	4.98	5.44	4.01	8.26
314402	8.99	22.97	6.38	15.44	13.87	14.59
314424	17.85	20.19	10.64	13.07	9.52	17.67
314434	54.13	72.53	55.26	78.11	73.45	66.13
314470	49.05	63.37	58.90	72.12	49.94	69.94
314506	-0.11	-1.29	1.39	-1.17	-1.94	-1.88
314528	0.96	0.39	-1.13	-1.50	-1.34	0.76
314537	-4.04	-0.98	0.74	-1.00	-0.98	-5.37
314556	-0.07	-2.68	-0.19	-2.46	0.07	-0.99
314586	100.84	76.04	73.70	66.63	86.13	72.41
314598	31.62	45.49	27.92	55.41	47.35	43.01
314631	0.98	1.43	-0.61	-0.89	0.30	0.28
314636	88.08	94.40	55.92	64.55	69.57	63.87
314650	14.23	37.40	13.39	15.09	10.71	36.22
314651	-0.40	0.39	-0.74	0.26	-1.17	-1.20
314652	-2.48	0.59	2.77	-2.93	0.35	2.07
314654	0.76	0.42	-0.17	1.06	-0.47	-0.45
314661	-1.23	1.24	0.30	-1.23	-0.76	-1.65
314711	-0.71	-1.80	-1.05	1.32	1.57	1.95
314714	3.04	8.20	7.36	5.64	8.33	10.01
314724	11.18	11.02	17.66	8.17	17.40	15.21
314727	63.66	76.33	51.32	86.69	82.71	57.32
314757	4.44	10.05	1.88	2.50	0.41	1.88
314856	-2.32	-0.07	-1.15	-1.47	0.41	-1.55
314968	58.58	56.73	48.50	55.69	42.12	44.24
315022	3.60	7.75	2.44	2.07	1.33	5.07
315030	31.24	62.73	0.07	73.83	61.75	60.85

315068	-1.91	1.65	0.04	2.05	3.61	2.16
315101	37.68	58.48	12.40	27.87	15.33	59.76
315106	-0.73	-0.14	-0.74	0.02	1.38	-0.14
315111	-1.37	-0.96	0.32	-0.21	-0.29	-4.67
315112	-0.11	-3.96	-1.52	0.27	1.46	0.61
315141	54.49	54.44	42.67	48.35	47.43	59.49
315151	6.60	32.04	6.52	11.94	16.36	13.92
315176	0.72	0.81	-0.77	2.55	1.02	2.18
315190	1.74	20.18	7.84	1.60	6.91	13.77
315206	1.03	0.87	5.36	1.18	2.64	1.62
315249	1.19	3.21	1.58	0.79	2.20	2.22
315253	1.36	-0.05	0.51	0.93	1.68	0.39
315294	61.57	44.34	39.22	56.39	29.41	52.20
315341	-0.94	-0.42	0.67	1.82	8.08	-0.59
315353	0.12	1.50	0.43	0.65	-0.01	-0.98
315355	1.36	-0.02	-0.57	2.75	-1.34	1.04
315356	1.74	7.79	1.21	6.85	1.57	2.89
315360	13.74	13.59	3.24	5.40	5.32	13.46
315372	2.18	8.12	-0.84	1.82	1.75	-0.27
315408	7.60	11.79	5.18	8.27	15.26	10.57
315460	2.45	17.65	0.37	1.01	5.50	6.42
315461	5.79	16.70	3.00	5.95	10.25	15.03
315496	0.34	4.72	3.92	5.11	3.24	1.76
315512	1.51	3.46	-0.80	1.86	5.48	2.28
315559	93.89	97.65	79.35	83.64	96.86	96.70
315586	20.31	40.14	16.16	26.35	27.56	32.80
315594	25.35	36.47	30.99	37.65	20.77	37.15
315597	15.51	31.26	16.80	27.81	27.48	31.37
315657	-1.96	1.06	0.74	0.24	-0.02	2.05
315669	5.58	0.98	0.04	-0.41	1.02	0.49
315710	31.56	42.99	30.77	30.35	11.73	20.78
315737	24.26	84.09	21.53	65.09	71.84	44.47
315756	-0.66	-1.64	-1.24	-1.37	3.90	3.80
315802	66.08	84.10	74.75	75.93	55.33	72.63
315811	-0.04	-0.93	-0.23	1.40	-1.03	2.02
315822	6.44	31.83	5.21	7.08	4.93	25.93
315838	70.81	64.60	74.62	70.56	77.58	68.42
315886	18.59	37.31	1.69	20.43	32.77	37.12
315892	5.81	11.48	4.29	7.72	8.09	15.93
316006	-0.68	-0.93	-0.38	1.10	3.45	2.16
316013	-2.09	6.59	-0.31	1.72	1.21	-0.12
316015	2.52	14.67	3.38	21.23	29.06	18.06
316026	39.53	48.53	40.56	20.29	43.23	39.27
316090	21.98	44.90	10.91	18.12	6.65	20.12
316096	-0.19	-1.69	-1.10	0.67	-0.65	-0.44
316110	-0.23	-0.45	0.59	1.95	1.51	0.40
316115	0.09	-1.02	-4.15	2.44	0.73	-2.15

316156	8.22	44.71	9.18	19.67	24.38	21.67
316157	-0.74	-1.14	0.78	-1.12	-1.20	-1.14
316200	-0.55	2.25	-0.86	0.11	0.78	2.21
316223	41.92	88.75	55.06	58.16	66.09	62.81
316240	-1.09	-0.55	0.57	3.22	-0.61	-0.11
316250	8.53	15.23	4.84	5.56	14.08	18.56
316256	20.15	43.34	3.20	37.86	54.03	44.62
316260	0.32	-0.60	1.21	-1.15	-0.46	-1.27
316262	-0.22	2.31	0.43	-1.66	0.40	1.33
316264	2.52	-0.78	-2.22	0.21	-1.28	-1.24
316270	1.45	9.49	3.39	2.50	0.72	1.05
316279	12.21	9.87	2.90	7.88	23.44	14.77
316283	1.86	1.42	0.45	-1.20	-0.03	-0.85
316311	45.51	80.29	8.59	44.21	75.64	44.76
316369	1.04	0.92	-1.67	-0.14	-0.11	-1.47
316370	2.06	-0.48	-0.93	3.05	-0.21	0.41
316375	75.16	78.12	59.12	58.03	40.08	67.89
316378	42.21	55.28	20.85	18.00	33.94	26.67
316400	0.58	2.39	1.14	-0.56	1.03	2.40
316433	14.40	13.74	14.71	28.00	31.17	31.65
316436	91.14	93.47	61.99	88.12	81.23	62.49
316450	-1.09	1.82	0.21	-1.39	0.91	3.86
316461	2.08	4.63	-0.20	0.90	7.27	5.42
316469	-1.30	0.45	0.71	4.62	0.10	0.03
316473	-1.34	0.74	-0.36	-0.14	-0.52	0.03
316492	4.33	3.63	1.83	4.91	1.26	6.70
316510	30.04	17.37	10.16	9.40	1.64	1.80
316559	61.32	19.16	21.62	22.28	21.84	24.81
316561	7.26	13.81	5.66	10.25	12.36	11.52
316570	0.39	-0.81	0.12	-0.73	0.56	-1.56
316587	0.29	-0.45	-0.29	1.97	-0.27	0.15
316642	-0.23	-1.44	0.93	-0.67	-0.35	0.75
316646	0.12	0.76	-1.56	0.53	-1.10	0.09
316676	0.54	-0.37	-0.84	0.82	-1.84	0.92
316681	-0.35	0.05	3.21	0.32	-0.33	1.00
316701	5.78	8.56	16.90	5.20	1.64	5.38
316711	0.23	0.43	-1.22	-0.64	-0.32	1.76
316748	-0.77	-0.85	-0.22	2.63	1.37	2.62
316778	0.58	5.05	0.56	3.73	5.45	8.56
316830	66.17	41.81	26.24	49.48	55.07	54.84
316843	7.54	9.46	8.87	9.21	6.65	8.30
316868	2.16	2.88	-0.30	6.00	-0.09	-0.29
316901	-1.35	-0.65	-0.89	-0.46	-1.59	-1.09
316916	1.01	1.50	-2.14	-0.42	-0.60	-0.71
316933	1.61	3.86	-0.26	4.17	7.16	2.63
316944	15.58	9.30	3.95	9.28	8.45	10.00
316945	8.20	41.30	21.76	39.02	24.54	38.94

316991	4.47	4.53	2.81	6.19	6.24	6.14
317005	5.72	9.13	1.07	3.00	2.76	2.86
317008	1.76	-0.36	-0.85	0.79	0.39	1.29
317015	70.78	91.69	59.76	55.09	75.87	66.98
317017	2.96	7.98	-0.60	1.26	1.32	0.67
317030	16.21	27.50	9.17	13.60	12.06	11.35
317031	15.21	33.22	19.61	12.54	12.64	25.19
317064	4.71	6.95	5.50	3.55	6.46	9.54
317068	63.62	75.45	55.79	77.72	91.81	71.37
317099	-1.54	-1.95	-0.03	0.24	0.00	-0.14
317132	67.88	68.05	63.15	57.17	71.90	56.37

Slot "se.exprs":

<0 x 0 matrix>

Slot "description":

An object of class "MIAME"

Slot "name":

[1] ""

Slot "lab":

[1] ""

Slot "contact":

[1] ""

Slot "title":

[1] ""

Slot "abstract":

[1] ""

Slot "url":

[1] ""

Slot "samples":

list()

Slot "hybridizations":

list()

Slot "normControls":

list()

Slot "preprocessing":

list()

Slot "other":

list()

Slot "annotation":

[1] ""

Slot "notes":

[1] ""

Slot "phenoData":

An object of class "phenoData"

Slot "pData":

	num	sample	wk
MA001I9	6	11	15
MA000V0	7	30	15

```

MA0019Y  8      31 15
MA000UR  9      13 19
MA001I7 10      14 19
MA001D0 11      15 19

```

```

Slot "varLabels":
Slot "varLabels":$num
[1] "read from file"

```

```

Slot "varLabels":$sample
[1] "read from file"

```

```

Slot "varLabels":$wk
[1] "read from file"

```

```

Slot "varMetadata":
NULL data frame with 0 rows
Slot "Flags":
An object of class "exprSet"
Slot "exprs":

```

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
297784	1	1	1	1	1	1
297907	2	1	2	2	2	2
297912	1	1	1	1	1	1
297935	2	2	2	2	2	2
297990	2	1	1	1	1	1
297993	2	2	2	2	2	2
298000	1	1	1	1	1	1
298038	2	1	2	2	2	2
298121	2	2	1	2	2	2
298130	2	2	2	2	2	2
298143	1	1	1	1	1	1
298150	2	2	13	2	1	1
298151	2	1	2	1	2	2
298155	2	1	1	1	2	2
298165	1	1	1	1	1	1
298174	1	1	1	1	1	1
298188	2	1	2	1	1	1
298200	1	1	1	1	1	1
298246	1	2	2	2	1	1
298248	2	2	1	2	1	2
298276	1	1	1	1	1	1
298312	2	3	2	2	2	2
298316	1	1	1	1	1	1
298331	1	1	1	1	1	1
298347	2	2	2	2	1	1
298367	1	1	1	1	1	1
298384	1	1	1	1	2	1

298422	1	2	2	2	2	1
298428	1	1	13	1	1	1
298431	2	2	2	2	1	2
298459	1	1	1	1	1	1
298460	2	2	1	2	2	1
298479	1	1	1	1	1	1
298518	1	1	2	1	1	1
298523	2	2	2	2	2	2
298527	1	1	1	1	1	1
298556	2	1	1	1	1	1
298558	1	1	1	1	1	1
298593	1	1	13	1	1	1
298594	3	2	2	2	2	1
298604	1	1	1	1	1	1
298614	2	1	2	1	2	2
298619	2	1	2	1	2	2
298631	1	1	1	1	2	1
298654	2	2	2	1	1	1
298655	1	1	1	1	1	1
298656	2	1	2	2	2	1
298704	1	1	1	1	1	1
298742	2	2	2	2	2	2
298746	2	2	2	1	2	2
298760	2	1	2	1	1	1
298761	1	1	1	1	1	1
298770	1	1	1	1	1	1
298771	2	2	2	1	2	2
298780	2	2	2	2	2	2
298785	1	1	1	1	1	1
298789	1	2	2	2	2	2
298811	1	1	2	2	1	1
298812	5	1	1	1	1	1
298816	1	1	1	1	1	1
298853	1	1	1	1	1	1
298861	2	2	2	2	2	2
298871	2	2	2	2	2	2
298882	2	2	2	2	2	2
298887	1	1	1	1	1	1
298923	1	1	1	1	1	1
298936	1	1	1	1	1	1
298941	1	1	1	1	1	1
299001	2	2	2	2	2	1
299110	2	2	2	2	1	2
299116	1	1	1	1	1	1
299125	2	2	1	2	2	2
299126	1	1	1	1	1	1
299127	2	2	2	2	2	2

299151	1	1	2	2	1	1
299157	1	1	2	1	2	2
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316778	2	1	2	1	1	1
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317005	1	1	1	1	1	1
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317030	1	1	1	1	1	1
317031	1	1	1	1	1	1
317064	1	1	1	1	1	1
317068	1	1	1	1	1	1
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317132	1	1	1	1	1	1

Slot "se.exprs":

<0 x 0 matrix>

Slot "description":

An object of class "MIAME"

Slot "name":

[1] ""

Slot "lab":

[1] ""

Slot "contact":

[1] ""

Slot "title":

[1] ""

Slot "abstract":

[1] ""

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Slot "url":
[1] ""
Slot "samples":
list()
Slot "hybridizations":
list()
Slot "normControls":
list()
Slot "preprocessing":
list()
Slot "other":
list()
Slot "annotation":
[1] ""
Slot "notes":
[1] ""
Slot "phenoData":
An object of class "phenoData"
Slot "pData":
      num sample wk
MA001I9   6     11 15
MA000V0   7     30 15
MA0019Y   8     31 15
MA000UR   9     13 19
MA001I7  10     14 19
MA001D0  11     15 19
Slot "varLabels":
Slot "varLabels":$num
[1] "read from file"

Slot "varLabels":$sample
[1] "read from file"

Slot "varLabels":$wk
[1] "read from file"

Slot "varMetadata":
NULL data frame with 0 rows
Slot "Ctrl":
Slot "Ctrl":$signal

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	MA001I9	MA000V0	MA0019Y	MA000UR
Blank	-Inf	-Inf	-Inf	-Inf
Buffer_Blank	-Inf	-Inf	-Inf	-Inf
CLFL_GridLandmark_Cp	14.586030	14.695408	14.5220279	14.746689
CL_ControlLadder_1_Cp	-Inf	-Inf	-Inf	-Inf
CL_ControlLadder_2_Cp	-Inf	-Inf	-Inf	-Inf
CL_ControlLadder_3_Cp	-Inf	-Inf	-Inf	-Inf

CL_ControlLadder_4_Cp	-Inf	-Inf	-Inf	-Inf
CL_ControlLadder_5_Cp	-Inf	-Inf	-Inf	-Inf
FL_ControlLadder_1_Cp	-Inf	-Inf	-Inf	-Inf
FL_ControlLadder_2_Cp	-Inf	-Inf	-Inf	-Inf
FL_ControlLadder_3_Cp	-Inf	-Inf	-Inf	-Inf
FL_ControlLadder_4_Cp	-Inf	-Inf	-Inf	-Inf
FL_ControlLadder_5_Cp	-Inf	-Inf	-Inf	-Inf
FL_Fiducial_Cp	3.249445	6.243745	3.9616233	3.451541
Hybridization_Control_1_Cp	16.070893	15.673182	15.5229131	15.782580
Hybridization_Control_2_Cp	17.256488	17.102096	16.9330497	17.199912
Hybridization_Control_3_Cp	17.030363	16.573158	16.4188626	16.705192
ICP_FLOnly_Control_Cp	10.086959	NA	3.5046204	NA
IVT_Kit_Control_BIOB_1_Cp	16.910659	16.898942	16.9808582	15.646828
IVT_Kit_Control_BIOB_2_Cp	17.598668	17.734185	17.7760246	16.477756
IVT_Kit_Control_BIOB_3_Cp	16.977267	16.985025	16.9750302	15.701486
IVT_Kit_Control_BIOB_4_Cp	16.886676	16.754362	16.8489014	15.527151
IVT_Kit_Control_BIOB_5_Cp	16.968696	16.972680	17.0401072	15.776931
IVT_Kit_Control_BIOC_1_Cp	17.043635	17.119162	17.0601256	15.961568
IVT_Kit_Control_BIOC_2_Cp	16.299767	16.503985	16.3017948	15.310925
IVT_Kit_Control_BIOC_3_Cp	16.182786	16.303014	16.2479978	15.086873
IVT_Kit_Control_BIOC_4_Cp	17.615897	17.565684	17.5573867	16.473757
IVT_Kit_Control_BIOC_5_Cp	17.423808	17.443142	17.2292468	16.251108
IVT_Kit_Control_BIOD_1_Cp	17.564008	17.585737	17.2729419	16.298099
IVT_Kit_Control_BIOD_2_Cp	18.071008	18.215754	18.3275347	17.069774
IVT_Kit_Control_BIOD_3_Cp	18.324082	18.317183	18.2725900	17.039892
IVT_Kit_Control_BIOD_4_Cp	17.400459	17.347326	17.2621543	15.972410
IVT_Kit_Control_BIOD_5_Cp	17.937965	18.152203	18.1442603	16.922005
Manufacturing_Test_Control_1	9.283436	NA	9.0885498	NA
Manufacturing_Test_Control_10	NA	NA	NA	7.083107
Manufacturing_Test_Control_11	1.956057	NA	8.4637696	8.670798
Manufacturing_Test_Control_12	NA	9.905357	NA	-1.184425
Manufacturing_Test_Control_13	6.843733	NA	5.6328498	NA
Manufacturing_Test_Control_14	9.763677	9.822555	7.2901110	10.015973
Manufacturing_Test_Control_15	8.442778	7.251246	7.5158575	8.996332
Manufacturing_Test_Control_16	NA	2.742006	8.7030038	7.096768
Manufacturing_Test_Control_17	8.455245	7.371385	NA	10.037698
Manufacturing_Test_Control_18	NA	NA	8.2784959	7.569172
Manufacturing_Test_Control_19	9.717111	9.767423	NA	7.050284
Manufacturing_Test_Control_2	10.877775	10.351933	10.2027238	10.651967
Manufacturing_Test_Control_20	9.355946	NA	9.9238920	NA
Manufacturing_Test_Control_21	8.540283	8.055716	7.7974670	7.897966
Manufacturing_Test_Control_22	8.381975	9.237162	8.5815396	8.157296
Manufacturing_Test_Control_23	8.632123	8.571866	7.7397131	7.949185
Manufacturing_Test_Control_24	17.488484	17.901817	17.1377493	17.308199
Manufacturing_Test_Control_25	8.796526	9.966376	8.8811140	9.425531
Manufacturing_Test_Control_26	11.258177	11.963731	10.4316334	11.652083
Manufacturing_Test_Control_27	14.587052	14.322713	14.1117372	13.636577

Manufacturing_Test_Control_28	9.013434	8.455286	8.4943756	7.953789
Manufacturing_Test_Control_3	NA	NA	NA	8.137657
Manufacturing_Test_Control_4	NA	NA	7.8816646	NA
Manufacturing_Test_Control_5	NA	NA	NA	NA
Manufacturing_Test_Control_6	NA	NA	NA	NA
Manufacturing_Test_Control_7	8.887160	NA	9.1399606	7.025693
Manufacturing_Test_Control_8	NA	8.077617	8.0126245	9.645424
Manufacturing_Test_Control_9	NA	NA	NA	7.407013
Negative_Control_10_Cp	8.249113	8.384007	3.0531113	8.455574
Negative_Control_11_Cp	NA	NA	10.0129597	7.917909
Negative_Control_12_Cp	9.975389	10.620302	9.9176257	9.580202
Negative_Control_13_Cp	5.307793	NA	9.0688857	6.511911
Negative_Control_14_Cp	9.076735	10.316983	10.7159019	9.088391
Negative_Control_15_Cp	8.483292	9.850437	8.9597991	8.627716
Negative_Control_16_Cp	7.049740	7.038919	NA	8.478446
Negative_Control_17_Cp	NA	5.004951	NA	NA
Negative_Control_18_Cp	NA	7.340295	NA	NA
Negative_Control_19_Cp	NA	4.982765	5.8894735	NA
Negative_Control_1_Cp	9.090324	7.046797	7.1924901	5.407353
Negative_Control_20_Cp	9.491232	7.170927	NA	NA
Negative_Control_21_Cp	6.105594	7.183089	NA	3.949535
Negative_Control_22_Cp	NA	NA	NA	NA
Negative_Control_23_Cp	5.187055	NA	NA	NA
Negative_Control_24_Cp	NA	NA	NA	NA
Negative_Control_25_Cp	8.063449	NA	NA	NA
Negative_Control_26_Cp	NA	NA	NA	NA
Negative_Control_27_Cp	NA	NA	5.5357419	NA
Negative_Control_28_Cp	5.398145	6.785943	7.4758955	5.063503
Negative_Control_29_Cp	5.416502	NA	NA	NA
Negative_Control_2_Cp	8.639051	NA	NA	NA
Negative_Control_30_Cp	5.849749	6.503190	NA	NA
Negative_Control_31_Cp	NA	10.242269	10.0023650	7.588865
Negative_Control_32_Cp	NA	NA	NA	10.322232
Negative_Control_33_Cp	NA	7.488161	6.5202651	5.570159
Negative_Control_34_Cp	NA	NA	11.5949171	NA
Negative_Control_35_Cp	7.712252	5.876762	NA	8.377948
Negative_Control_36_Cp	NA	6.077029	NA	3.371559
Negative_Control_37_Cp	9.351337	10.123617	9.5533413	8.737619
Negative_Control_38_Cp	NA	8.009325	3.7687137	8.207600
Negative_Control_39_Cp	NA	NA	NA	NA
Negative_Control_3_Cp	NA	6.156842	NA	NA
Negative_Control_40_Cp	NA	NA	NA	8.065658
Negative_Control_41_Cp	7.477596	NA	NA	NA
Negative_Control_42_Cp	7.702519	8.189083	6.8153192	8.370557
Negative_Control_43_Cp	8.223471	NA	NA	6.006971
Negative_Control_44_Cp	6.501280	7.306062	0.4114262	5.384741
Negative_Control_45_Cp	7.725264	7.299025	6.6463067	NA

Negative_Control_46_Cp	6.774392	7.030667	NA	NA
Negative_Control_47_Cp	NA	5.252476	NA	6.602142
Negative_Control_48_Cp	6.839960	NA	9.0690738	NA
Negative_Control_49_Cp	7.163096	7.928607	NA	7.409306
Negative_Control_4_Cp	NA	6.407693	NA	NA
Negative_Control_50_Cp	6.087251	NA	NA	8.019758
Negative_Control_51_Cp	NA	7.560104	NA	8.022756
Negative_Control_52_Cp	9.186709	NA	NA	NA
Negative_Control_53_Cp	7.615666	NA	NA	8.296779
Negative_Control_54_Cp	5.691534	5.378165	6.5125430	7.941048
Negative_Control_55_Cp	4.286881	8.483655	NA	7.354646
Negative_Control_56_Cp	NA	NA	NA	6.063934
Negative_Control_57_Cp	NA	8.203397	NA	8.478163
Negative_Control_58_Cp	NA	NA	5.0165855	3.319040
Negative_Control_59_Cp	9.114809	5.731183	NA	NA
Negative_Control_5_Cp	4.888013	NA	7.6584257	NA
Negative_Control_60_Cp	NA	7.710255	9.2221670	NA
Negative_Control_61_Cp	NA	7.236971	6.6725668	NA
Negative_Control_62_Cp	8.896817	8.744161	8.4071403	8.144454
Negative_Control_63_Cp	NA	6.683696	NA	NA
Negative_Control_64_Cp	7.059182	NA	8.2516244	NA
Negative_Control_65_Cp	4.456149	NA	6.7317263	NA
Negative_Control_66_Cp	NA	NA	NA	NA
Negative_Control_67_Cp	8.098401	9.292161	7.6157400	8.921067
Negative_Control_68_Cp	9.285680	10.245030	9.3180456	9.999352
Negative_Control_69_Cp	NA	5.279471	2.5410192	8.446215
Negative_Control_6_Cp	NA	NA	7.3732132	6.021702
Negative_Control_70_Cp	4.268285	NA	7.9527995	6.759822
Negative_Control_71_Cp	NA	6.027243	6.1222586	7.684889
Negative_Control_72_Cp	5.254367	NA	NA	NA
Negative_Control_73_Cp	8.005456	NA	NA	NA
Negative_Control_74_Cp	NA	5.904484	NA	NA
Negative_Control_75_Cp	7.991975	NA	NA	6.710393
Negative_Control_76_Cp	NA	5.624978	NA	NA
Negative_Control_77_Cp	8.183883	NA	8.1578522	NA
Negative_Control_78_Cp	NA	NA	NA	NA
Negative_Control_79_Cp	7.467769	10.688338	NA	2.150560
Negative_Control_7_Cp	8.126911	NA	7.6436398	5.690696
Negative_Control_80_Cp	NA	NA	6.7000235	NA
Negative_Control_81_Cp	5.219556	7.992712	8.4015622	7.555586
Negative_Control_82_Cp	NA	NA	NA	9.184206
Negative_Control_83_Cp	9.313042	NA	7.3615929	NA
Negative_Control_84_Cp	NA	NA	NA	NA
Negative_Control_85_Cp	8.026136	9.931801	7.8561765	8.677861
Negative_Control_86_Cp	9.917402	8.781360	9.7630131	NA
Negative_Control_87_Cp	7.671152	NA	3.0531113	7.913009
Negative_Control_88_Cp	8.671329	9.065928	NA	7.904063

Negative_Control_89_Cp	NA	7.259743	NA	7.091382
Negative_Control_8_Cp	9.531927	10.163549	10.1634862	10.579900
Negative_Control_90_Cp	NA	5.856488	NA	NA
Negative_Control_91_Cp	7.111762	NA	NA	5.077243
Negative_Control_92_Cp	5.381629	NA	3.6158871	NA
Negative_Control_93_Cp	NA	NA	0.8237494	6.946146
Negative_Control_94_Cp	NA	NA	6.8335226	NA
Negative_Control_95_Cp	NA	8.745943	NA	7.616696
Negative_Control_96_Cp	NA	NA	NA	NA
Negative_Control_97_Cp	NA	7.941106	7.6629176	NA
Negative_Control_98_Cp	10.611486	9.456786	10.2048034	9.600638
Negative_Control_9_Cp	NA	NA	NA	6.645010
Positive_Control_101	NA	9.730062	7.7988930	NA
Positive_Control_102	NA	NA	7.8841705	6.940519
Positive_Control_103	NA	8.172478	7.2020258	7.062748
Positive_Control_104	16.755699	16.554012	16.1032659	15.755555
Positive_Control_105	9.524816	10.595435	9.0362286	9.671382
Positive_Control_106	6.768581	NA	NA	NA
Positive_Control_107	12.386299	13.094493	12.5920178	12.261651
Positive_Control_108	NA	5.702103	8.0676495	NA
Positive_Control_109	8.264912	11.176572	NA	8.809736
Positive_Control_110	9.745758	11.188459	9.3606057	9.707929
Positive_Control_111	NA	8.851468	NA	6.326250
Positive_Control_112	6.831877	8.561250	NA	NA
Positive_Control_113	15.836548	16.088098	14.3624110	15.764399
Positive_Control_114	5.484460	5.289097	7.8716589	NA
Positive_Control_115	NA	9.498630	NA	NA
Positive_Control_116	19.033997	19.210742	19.2760055	18.722225
Positive_Control_117	19.074335	19.335417	19.3442604	18.659464
Positive_Control_118	18.697439	18.830042	18.9680416	18.148368
Positive_Control_119	18.010473	19.192243	16.0925026	19.366918
Positive_Control_120	17.814421	18.597560	15.0390664	18.895631
Positive_Control_121	18.144236	19.495293	16.5307788	19.712347
Positive_Control_122	19.253079	19.136843	18.6700397	18.926934
Positive_Control_123	19.284823	19.369824	18.8551733	19.012102
Positive_Control_124	19.905256	19.951457	19.4875820	19.780053
Positive_Control_125	19.287643	19.873830	19.1271886	19.395610
Positive_Control_126	19.854741	19.894945	19.1851493	19.612747
Positive_Control_127	20.157908	20.604083	20.0925683	20.490576
Positive_Control_128	16.597755	16.490862	15.1826267	16.814025
Positive_Control_129	16.580020	16.812674	15.6563665	17.126212
Positive_Control_130	18.163491	18.113261	16.9078345	18.364836
Positive_Control_131	8.500922	8.507160	NA	9.082096
Positive_Control_132	7.538926	9.207478	NA	7.780573
Positive_Control_133	NA	8.789566	8.5626622	8.186510
Positive_Control_134	16.332076	16.676164	15.7004465	16.066052
Positive_Control_135	9.475733	10.460876	7.5551259	8.212618

Positive_Control_136	8.014578	7.359662	NA	NA
Positive_Control_137	17.504586	18.235596	17.3527669	17.891329
Positive_Control_138	15.849544	16.353056	15.3943156	15.895875
Positive_Control_139	NA	NA	5.0746767	NA
Positive_Control_140	19.536626	20.104042	19.4608891	19.764818
Positive_Control_141	18.638721	18.427688	17.8043339	18.402142
Positive_Control_142	14.112872	15.348795	14.3305955	14.656839
Positive_Control_143	18.472154	19.094689	18.0104333	18.656341
Positive_Control_144	16.239679	17.063373	16.0038839	16.384217
Positive_Control_145	13.829917	15.195460	14.1679661	14.567059
Positive_Control_146	12.107256	11.199261	10.4640454	10.680861
Positive_Control_147	10.907897	7.755288	10.4041623	NA
Positive_Control_148	9.607571	10.683951	9.7117702	9.511990
Positive_Control_150	17.310337	17.826766	17.7757032	16.465388
Positive_Control_151	15.646195	16.039075	15.8051549	14.601031
Positive_Control_152	NA	8.361812	7.9734965	7.411172
Positive_Control_153	11.311027	12.242037	11.0384732	11.404035
Positive_Control_154	13.137305	13.417011	12.6966003	11.615703
Positive_Control_155	NA	NA	NA	NA
Positive_Control_156	8.957537	NA	NA	7.480023
Positive_Control_157	15.864578	15.824853	15.4151327	14.206690
Positive_Control_158	8.950731	5.076388	5.0045014	NA
Positive_Control_159	8.504303	NA	NA	NA
Positive_Control_160	11.250535	11.504059	10.7367232	10.368223
Positive_Control_161	8.386078	NA	NA	NA
Positive_Control_162	5.700440	NA	6.4810729	NA
Positive_Control_163	8.260590	8.205500	NA	6.800900
Positive_Control_164	NA	NA	NA	7.565902
Positive_Control_165	NA	7.542877	NA	6.961276
Positive_Control_166	16.581003	16.579202	16.5619138	15.388558
Positive_Control_167	15.771885	15.744684	15.7076784	14.547070
Positive_Control_168	17.201019	17.096468	17.0635587	15.853071
Positive_Control_169	15.888120	16.192777	16.0160191	14.946546
Positive_Control_170	15.986287	15.658681	15.5758314	14.351147
Positive_Control_171	17.423303	17.261559	17.2948741	15.963704
Positive_Control_172	16.928012	16.970546	17.0872406	15.749815
Positive_Control_173	15.910482	16.118005	16.1909902	15.007566
Positive_Control_174	17.479092	17.234969	17.0939950	16.024814
Positive_Control_175	13.344268	13.736919	13.2837048	12.507520
Positive_Control_176	12.202733	11.958977	11.8190334	11.039858
Positive_Control_177	15.208555	15.412165	15.0561118	14.062801
Positive_Control_178	14.160390	14.467239	14.0361272	13.316277
Positive_Control_179	14.091536	13.989400	13.7067172	13.102402
Positive_Control_180	13.712258	14.163845	13.6653581	13.034993
Positive_Control_181	17.246908	17.253283	17.4762212	15.988722
Positive_Control_182	16.610551	16.771399	16.5023197	15.484957
Positive_Control_183	16.370283	16.505074	16.5766737	15.162157

Positive_Control_184	16.973594	17.492985	17.6449998	16.238503
Positive_Control_185	15.845446	16.310029	16.1636343	15.012561
Positive_Control_186	8.351646	10.175487	10.4357744	7.761086
Positive_Control_187	11.906282	11.964030	10.7354206	10.659122
Positive_Control_188	11.972800	12.359530	11.2599551	11.286731
Positive_Control_189	11.647153	11.740776	11.0444966	10.910051
Positive_Control_190	15.322952	15.754087	15.4736772	14.569003
Positive_Control_191	10.518299	10.467677	10.3736700	9.582330
Positive_Control_192	NA	7.090007	NA	NA
Positive_Control_193	17.683543	17.673658	17.0775674	17.394405
Positive_Control_194	17.452061	17.429603	17.0960606	16.704272
Positive_Control_195	19.445110	19.267566	19.0380250	19.266963
Positive_Control_196	10.922592	11.267167	8.7224660	10.421844
Positive_Control_197	16.750562	17.040387	15.2381229	16.675934
Positive_Control_198	17.870214	18.090684	17.9615648	17.368375
Positive_Control_199	17.402063	18.613680	15.6558910	18.855605
Positive_Control_200	19.098838	18.683094	18.1963292	18.414532
Positive_Control_201	18.960993	19.380000	18.8250392	18.966573
Positive_Control_202	16.252158	16.084171	14.8225385	16.225791
Positive_Control_203	NA	NA	6.5448872	7.270903
Positive_Control_204	15.771635	16.245815	15.1002546	15.450473
Positive_Control_205	17.993765	18.100805	17.1670932	17.652710
Positive_Control_206	19.239774	19.427984	18.8217964	19.144495
Positive_Control_207	17.712531	18.498428	17.3709964	17.664953
Positive_Control_208	10.725111	11.516936	9.3544918	10.638354
Positive_Control_209	16.186710	16.220753	16.0967121	14.955669
Positive_Control_210	15.701492	16.183181	15.8009381	14.516211
Positive_Control_211	15.992422	16.229336	15.6442281	14.724914
Positive_Control_212	15.782555	15.761016	15.4897887	14.265510
Positive_Control_213	13.134219	13.523220	13.0235257	12.406287
Positive_Control_214	13.208952	13.930310	13.2082694	12.389449
Positive_Control_215	13.163540	13.342268	12.8773647	12.381421
Positive_Control_216	NA	NA	NA	8.498690
Positive_Control_217	17.514459	17.721878	17.8238832	16.277866
Positive_Control_218	17.249502	17.397491	17.2367890	15.834067
Positive_Control_219	17.039291	17.069585	16.9808845	15.752241
Positive_Control_220	17.618077	17.988133	17.9154393	16.815327
Positive_Control_221	16.934796	17.117699	16.9967271	15.716038
Positive_Control_222	16.864925	16.929908	16.8719120	15.730724
Positive_Control_223	17.574526	17.586312	17.5151728	16.302007
Positive_Control_224	17.721307	17.947938	17.8240872	16.660946
Positive_Control_225	11.702402	12.143198	11.0778705	11.178684
Positive_Control_226	14.796782	15.017211	14.6284541	13.989102
Positive_Control_227	14.555189	15.037570	14.4627502	13.829134
Positive_Control_228	15.766039	16.209003	15.8513482	15.123301
Positive_Control_229	14.968279	15.453753	14.9295807	14.216622
Positive_Control_230	14.451067	14.594563	14.4155450	13.640902

RT_Kit_Control_DAP_1_Cp	14.876178	14.768394	14.5970411	14.839817
RT_Kit_Control_DAP_2_Cp	9.370208	9.003743	8.1237076	8.413543
RT_Kit_Control_DAP_3_Cp	11.096985	11.433638	10.5178367	10.218975
RT_Kit_Control_DAP_4_Cp	12.119599	12.464798	11.5889582	11.369128
RT_Kit_Control_DAP_5_Cp	15.092871	15.209119	15.0067613	14.179988
RT_Kit_Control_LYS_1_Cp	12.469382	12.280811	11.4416474	11.136760
RT_Kit_Control_LYS_2_Cp	13.971878	14.284544	13.8782042	13.111385
RT_Kit_Control_LYS_3_Cp	14.343114	14.586379	14.2618055	13.498105
RT_Kit_Control_LYS_4_Cp	15.201251	15.361947	15.2258483	14.407199
RT_Kit_Control_LYS_5_Cp	16.261202	16.499320	16.2641607	15.473643
RT_Kit_Control_PHE_1_Cp	12.489938	12.577637	11.9501002	11.417183
RT_Kit_Control_PHE_2_Cp	13.892569	14.438674	14.0649726	13.276251
RT_Kit_Control_PHE_3_Cp	14.240925	14.547033	14.3186120	13.388188
RT_Kit_Control_PHE_4_Cp	15.296507	15.648389	15.3773048	14.536746
RT_Kit_Control_PHE_5_Cp	14.485919	14.599475	14.3246841	13.585696
	MA001I7	MA001D0		
Blank	-Inf	-Inf		
Buffer_Blank	-Inf	-Inf		
CLFL_GridLandmark_Cp	14.595154	14.2360247		
CL_ControlLadder_1_Cp	-Inf	-Inf		
CL_ControlLadder_2_Cp	-Inf	-Inf		
CL_ControlLadder_3_Cp	-Inf	-Inf		
CL_ControlLadder_4_Cp	-Inf	-Inf		
CL_ControlLadder_5_Cp	-Inf	-Inf		
FL_ControlLadder_1_Cp	-Inf	-Inf		
FL_ControlLadder_2_Cp	-Inf	-Inf		
FL_ControlLadder_3_Cp	-Inf	-Inf		
FL_ControlLadder_4_Cp	-Inf	-Inf		
FL_ControlLadder_5_Cp	-Inf	-Inf		
FL_Fiducial_Cp	2.395063	NA		
Hybridization_Control_1_Cp	16.116388	16.1155245		
Hybridization_Control_2_Cp	17.323865	17.3495033		
Hybridization_Control_3_Cp	17.092932	17.0929904		
ICP_FLOnly_Control_Cp	10.124432	10.0124849		
IVT_Kit_Control_BIOB_1_Cp	16.370847	16.6464597		
IVT_Kit_Control_BIOB_2_Cp	17.006689	17.3216145		
IVT_Kit_Control_BIOB_3_Cp	16.353045	16.6604343		
IVT_Kit_Control_BIOB_4_Cp	16.367162	16.6389256		
IVT_Kit_Control_BIOB_5_Cp	16.422687	16.7338409		
IVT_Kit_Control_BIOC_1_Cp	16.577258	16.8194971		
IVT_Kit_Control_BIOC_2_Cp	15.853635	16.2070788		
IVT_Kit_Control_BIOC_3_Cp	15.643691	15.9261028		
IVT_Kit_Control_BIOC_4_Cp	17.141951	17.3517857		
IVT_Kit_Control_BIOC_5_Cp	16.850177	17.1450112		
IVT_Kit_Control_BIOD_1_Cp	16.986213	17.2946584		
IVT_Kit_Control_BIOD_2_Cp	17.624514	17.8583128		
IVT_Kit_Control_BIOD_3_Cp	17.852181	18.0900655		

IVT_Kit_Control_BIOD_4_Cp	16.892097	17.0965374
IVT_Kit_Control_BIOD_5_Cp	17.477190	17.7354890
Manufacturing_Test_Control_1	NA	9.0979268
Manufacturing_Test_Control_10	NA	NA
Manufacturing_Test_Control_11	8.500563	NA
Manufacturing_Test_Control_12	9.074141	6.1454737
Manufacturing_Test_Control_13	NA	6.4870361
Manufacturing_Test_Control_14	7.452777	9.3419413
Manufacturing_Test_Control_15	NA	8.0332027
Manufacturing_Test_Control_16	6.778603	6.3249906
Manufacturing_Test_Control_17	NA	NA
Manufacturing_Test_Control_18	8.969559	8.8051312
Manufacturing_Test_Control_19	NA	6.7654021
Manufacturing_Test_Control_2	10.996742	10.7197396
Manufacturing_Test_Control_20	NA	9.3916947
Manufacturing_Test_Control_21	8.502832	8.7566564
Manufacturing_Test_Control_22	9.257129	8.6559957
Manufacturing_Test_Control_23	8.514122	8.5513622
Manufacturing_Test_Control_24	18.206513	17.8998604
Manufacturing_Test_Control_25	9.655960	8.8887128
Manufacturing_Test_Control_26	12.203801	11.6253710
Manufacturing_Test_Control_27	14.761752	14.3769793
Manufacturing_Test_Control_28	8.748092	8.1407275
Manufacturing_Test_Control_3	10.142605	10.7314209
Manufacturing_Test_Control_4	NA	NA
Manufacturing_Test_Control_5	NA	NA
Manufacturing_Test_Control_6	NA	3.6870607
Manufacturing_Test_Control_7	NA	8.1742266
Manufacturing_Test_Control_8	9.927674	NA
Manufacturing_Test_Control_9	6.730232	NA
Negative_Control_10_Cp	7.123811	7.5620898
Negative_Control_11_Cp	10.114133	2.2868811
Negative_Control_12_Cp	10.898881	9.8747662
Negative_Control_13_Cp	7.418190	NA
Negative_Control_14_Cp	NA	8.9327167
Negative_Control_15_Cp	10.162668	10.2439475
Negative_Control_16_Cp	8.499288	6.3698154
Negative_Control_17_Cp	NA	NA
Negative_Control_18_Cp	NA	4.9001423
Negative_Control_19_Cp	8.864062	6.9131288
Negative_Control_1_Cp	NA	5.5416387
Negative_Control_20_Cp	9.478588	8.3094309
Negative_Control_21_Cp	8.387242	NA
Negative_Control_22_Cp	NA	6.8247679
Negative_Control_23_Cp	8.925080	7.6406065
Negative_Control_24_Cp	8.162643	9.8164717
Negative_Control_25_Cp	NA	8.3269238

Negative_Control_26_Cp	7.572965	NA
Negative_Control_27_Cp	6.589763	NA
Negative_Control_28_Cp	NA	7.9856712
Negative_Control_29_Cp	NA	NA
Negative_Control_2_Cp	9.910403	9.5276529
Negative_Control_30_Cp	NA	8.9984776
Negative_Control_31_Cp	NA	11.8377619
Negative_Control_32_Cp	8.535236	NA
Negative_Control_33_Cp	NA	NA
Negative_Control_34_Cp	7.898571	NA
Negative_Control_35_Cp	NA	NA
Negative_Control_36_Cp	7.205451	6.5905122
Negative_Control_37_Cp	8.083639	8.2267012
Negative_Control_38_Cp	8.404460	-0.8365013
Negative_Control_39_Cp	NA	NA
Negative_Control_3_Cp	7.751611	NA
Negative_Control_40_Cp	6.577882	5.2735159
Negative_Control_41_Cp	NA	4.2890967
Negative_Control_42_Cp	NA	NA
Negative_Control_43_Cp	5.719183	5.4472486
Negative_Control_44_Cp	NA	NA
Negative_Control_45_Cp	NA	4.9131288
Negative_Control_46_Cp	8.713249	NA
Negative_Control_47_Cp	NA	NA
Negative_Control_48_Cp	9.075452	7.4186116
Negative_Control_49_Cp	NA	NA
Negative_Control_4_Cp	NA	4.2265085
Negative_Control_50_Cp	NA	8.2135417
Negative_Control_51_Cp	NA	6.6657623
Negative_Control_52_Cp	4.361066	5.2816983
Negative_Control_53_Cp	8.905116	6.6059980
Negative_Control_54_Cp	7.164304	NA
Negative_Control_55_Cp	NA	8.2309811
Negative_Control_56_Cp	NA	NA
Negative_Control_57_Cp	7.817367	9.1127783
Negative_Control_58_Cp	7.250488	NA
Negative_Control_59_Cp	NA	NA
Negative_Control_5_Cp	9.146670	8.3851290
Negative_Control_60_Cp	NA	5.4708622
Negative_Control_61_Cp	NA	NA
Negative_Control_62_Cp	9.072347	8.9357544
Negative_Control_63_Cp	NA	NA
Negative_Control_64_Cp	NA	NA
Negative_Control_65_Cp	NA	4.8242587
Negative_Control_66_Cp	4.519793	NA
Negative_Control_67_Cp	10.526441	8.7785700
Negative_Control_68_Cp	9.662757	9.8572346

Negative_Control_69_Cp	7.128252	NA
Negative_Control_6_Cp	7.930796	9.1027369
Negative_Control_70_Cp	8.036174	6.9259994
Negative_Control_71_Cp	7.317503	NA
Negative_Control_72_Cp	7.514280	NA
Negative_Control_73_Cp	NA	NA
Negative_Control_74_Cp	6.385949	NA
Negative_Control_75_Cp	9.590100	8.1561842
Negative_Control_76_Cp	NA	6.5637683
Negative_Control_77_Cp	8.337889	8.1458812
Negative_Control_78_Cp	NA	NA
Negative_Control_79_Cp	8.995711	NA
Negative_Control_7_Cp	8.330155	8.1102484
Negative_Control_80_Cp	NA	NA
Negative_Control_81_Cp	7.957682	NA
Negative_Control_82_Cp	NA	NA
Negative_Control_83_Cp	8.366278	NA
Negative_Control_84_Cp	NA	NA
Negative_Control_85_Cp	9.290457	9.3794867
Negative_Control_86_Cp	8.803195	8.9648029
Negative_Control_87_Cp	5.176722	NA
Negative_Control_88_Cp	8.749970	8.1537040
Negative_Control_89_Cp	6.348374	7.4802651
Negative_Control_8_Cp	10.603330	5.7382274
Negative_Control_90_Cp	NA	8.0193127
Negative_Control_91_Cp	6.516646	7.8031624
Negative_Control_92_Cp	7.495615	5.6372045
Negative_Control_93_Cp	4.156235	3.7665952
Negative_Control_94_Cp	6.190220	NA
Negative_Control_95_Cp	6.937933	4.7850274
Negative_Control_96_Cp	NA	8.5127405
Negative_Control_97_Cp	8.482203	7.8361135
Negative_Control_98_Cp	9.232013	9.3137220
Negative_Control_9_Cp	NA	NA
Positive_Control_101	5.400538	5.6962721
Positive_Control_102	7.901048	9.7235244
Positive_Control_103	NA	NA
Positive_Control_104	17.092335	16.8223575
Positive_Control_105	11.281640	10.5688397
Positive_Control_106	NA	NA
Positive_Control_107	13.720541	13.5148348
Positive_Control_108	10.042521	9.6978711
Positive_Control_109	9.562872	NA
Positive_Control_110	10.853653	10.9251538
Positive_Control_111	10.947031	6.3854310
Positive_Control_112	6.743084	8.5279070
Positive_Control_113	16.185546	16.0124969

Positive_Control_114	6.864558	9.8115513
Positive_Control_115	NA	8.1612327
Positive_Control_116	18.819290	18.8662304
Positive_Control_117	18.966791	18.9322695
Positive_Control_118	18.535045	18.4468327
Positive_Control_119	20.165206	19.4033050
Positive_Control_120	20.080099	19.0167109
Positive_Control_121	20.136601	19.5230733
Positive_Control_122	19.468860	19.2813551
Positive_Control_123	19.516316	19.2708413
Positive_Control_124	20.029958	19.9171627
Positive_Control_125	20.145494	19.7987564
Positive_Control_126	20.343342	20.1234498
Positive_Control_127	20.735504	20.6220172
Positive_Control_128	18.164242	17.2867710
Positive_Control_129	17.934999	17.3432195
Positive_Control_130	19.663418	18.9951827
Positive_Control_131	9.071248	10.0452819
Positive_Control_132	8.561555	7.2217804
Positive_Control_133	NA	7.2274715
Positive_Control_134	17.258571	16.9430972
Positive_Control_135	9.709549	10.4312051
Positive_Control_136	NA	NA
Positive_Control_137	18.484688	18.4800894
Positive_Control_138	17.022807	16.7679474
Positive_Control_139	NA	8.0065785
Positive_Control_140	20.244554	20.1294873
Positive_Control_141	19.644671	19.1438116
Positive_Control_142	15.203889	15.1408030
Positive_Control_143	19.371164	18.9781661
Positive_Control_144	17.292556	17.1362751
Positive_Control_145	14.945438	14.8242652
Positive_Control_146	12.160603	11.7565605
Positive_Control_147	10.438355	8.2556424
Positive_Control_148	11.954353	11.2142766
Positive_Control_150	16.807341	17.0374259
Positive_Control_151	15.059080	15.3759446
Positive_Control_152	10.175088	NA
Positive_Control_153	11.918219	11.9350472
Positive_Control_154	12.666916	12.8952780
Positive_Control_155	6.806968	NA
Positive_Control_156	NA	7.2941612
Positive_Control_157	15.237509	15.8354783
Positive_Control_158	NA	NA
Positive_Control_159	10.153983	NA
Positive_Control_160	11.286084	11.4850091
Positive_Control_161	NA	9.9550832

Positive_Control_162	NA	NA
Positive_Control_163	NA	7.1653090
Positive_Control_164	NA	NA
Positive_Control_165	8.825213	8.2925057
Positive_Control_166	16.084343	16.2825466
Positive_Control_167	15.323506	15.4644606
Positive_Control_168	16.689436	16.9984582
Positive_Control_169	15.622288	15.7416447
Positive_Control_170	15.605507	15.7525448
Positive_Control_171	16.908372	17.1065117
Positive_Control_172	16.469771	16.6502091
Positive_Control_173	15.400254	15.5789723
Positive_Control_174	16.913964	17.1989349
Positive_Control_175	13.187661	13.2223829
Positive_Control_176	12.715452	11.4253261
Positive_Control_177	14.904240	14.9991848
Positive_Control_178	13.592729	13.8021508
Positive_Control_179	13.625009	13.8148007
Positive_Control_180	13.445255	13.5675842
Positive_Control_181	16.895547	17.0923209
Positive_Control_182	16.109471	16.2695062
Positive_Control_183	15.875878	16.0592426
Positive_Control_184	16.897832	16.6897065
Positive_Control_185	15.350844	15.7106283
Positive_Control_186	9.637784	10.3758214
Positive_Control_187	NA	11.5806354
Positive_Control_188	11.813557	11.3287759
Positive_Control_189	10.967212	11.4565803
Positive_Control_190	15.035874	14.9923449
Positive_Control_191	10.992981	9.5504390
Positive_Control_192	NA	NA
Positive_Control_193	18.608917	18.1256892
Positive_Control_194	17.881782	17.5783942
Positive_Control_195	19.936941	19.8994863
Positive_Control_196	11.634090	11.2886873
Positive_Control_197	17.372802	16.9634999
Positive_Control_198	17.500429	17.7891029
Positive_Control_199	19.470396	18.8428035
Positive_Control_200	19.184691	19.1001203
Positive_Control_201	19.705916	19.8313209
Positive_Control_202	17.724154	17.0844449
Positive_Control_203	6.889960	1.2265085
Positive_Control_204	16.688363	16.2794740
Positive_Control_205	18.718093	18.4819904
Positive_Control_206	19.865637	19.6959335
Positive_Control_207	18.767333	18.4624285
Positive_Control_208	11.667972	11.0943944

Positive_Control_209	15.755157	16.0239497
Positive_Control_210	15.461683	15.6075953
Positive_Control_211	15.536229	15.8221650
Positive_Control_212	15.186807	15.4622735
Positive_Control_213	12.871580	13.2601962
Positive_Control_214	13.074262	13.2106516
Positive_Control_215	12.979523	12.9286368
Positive_Control_216	NA	NA
Positive_Control_217	16.918451	17.1144882
Positive_Control_218	16.693141	17.0116346
Positive_Control_219	16.571199	16.7212723
Positive_Control_220	17.258902	17.4846774
Positive_Control_221	16.326457	16.7100720
Positive_Control_222	16.331944	16.5162151
Positive_Control_223	17.031822	17.3392229
Positive_Control_224	17.277537	17.3378575
Positive_Control_225	11.934225	11.8226027
Positive_Control_226	14.433181	14.7149050
Positive_Control_227	14.387325	14.3772960
Positive_Control_228	15.573760	15.6304110
Positive_Control_229	14.647665	14.7705054
Positive_Control_230	13.990032	14.1849102
RT_Kit_Control_DAP_1_Cp	14.919886	14.9124843
RT_Kit_Control_DAP_2_Cp	9.801062	8.1990834
RT_Kit_Control_DAP_3_Cp	11.009920	11.1789760
RT_Kit_Control_DAP_4_Cp	12.008978	12.0555028
RT_Kit_Control_DAP_5_Cp	14.722700	14.9634732
RT_Kit_Control_LYS_1_Cp	12.545623	12.4880460
RT_Kit_Control_LYS_2_Cp	13.753388	13.9123056
RT_Kit_Control_LYS_3_Cp	14.191956	14.2919685
RT_Kit_Control_LYS_4_Cp	14.945391	14.9977145
RT_Kit_Control_LYS_5_Cp	16.017488	16.1067647
RT_Kit_Control_PHE_1_Cp	12.214838	12.4231527
RT_Kit_Control_PHE_2_Cp	13.743030	13.8170816
RT_Kit_Control_PHE_3_Cp	14.066122	14.1708334
RT_Kit_Control_PHE_4_Cp	15.085921	15.1950453
RT_Kit_Control_PHE_5_Cp	14.112053	14.2362385

Slot "Ctrl":\$sdev

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7
Blank	0.00	0.00	0.00	0.00	0.00
Buffer_Blank	0.00	0.00	0.00	0.00	0.00
CLFL_GridLandmark_Cp	164.63	189.83	147.35	216.37	209.97
CL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00

CL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00
FL_Fiducial_Cp	53.92	46.76	44.87	46.95	101.13
Hybridization_Control_1_Cp	816.20	669.89	677.96	716.29	912.55
Hybridization_Control_2_Cp	2273.88	2238.78	2204.95	2307.58	2572.26
Hybridization_Control_3_Cp	1598.08	1281.44	1173.59	1357.79	1787.20
ICP_FLOnly_Control_Cp	167.63	98.71	146.27	92.02	162.49
IVT_Kit_Control_BIOB_1_Cp	1355.55	1430.68	1715.68	602.74	979.82
IVT_Kit_Control_BIOB_2_Cp	2222.00	2697.66	3082.92	1033.45	1594.89
IVT_Kit_Control_BIOB_3_Cp	1613.00	1667.94	2003.32	687.21	1039.63
IVT_Kit_Control_BIOB_4_Cp	1323.18	1370.00	1665.52	583.89	1044.83
IVT_Kit_Control_BIOB_5_Cp	1422.75	1433.19	1725.50	697.58	1102.06
IVT_Kit_Control_BIOC_1_Cp	2296.00	2263.02	2373.55	966.19	1508.57
IVT_Kit_Control_BIOC_2_Cp	1286.17	1385.48	1553.45	615.53	1001.56
IVT_Kit_Control_BIOC_3_Cp	1240.48	1336.30	1411.44	573.70	954.30
IVT_Kit_Control_BIOC_4_Cp	3139.79	3075.08	3611.45	1484.79	2411.81
IVT_Kit_Control_BIOC_5_Cp	2981.24	3032.37	2563.87	1400.22	1872.80
IVT_Kit_Control_BIOD_1_Cp	3179.12	3601.82	2793.32	1338.67	1878.93
IVT_Kit_Control_BIOD_2_Cp	4380.16	5289.82	5978.56	1909.57	3490.66
IVT_Kit_Control_BIOD_3_Cp	5400.29	6384.44	6965.04	2176.00	3929.94
IVT_Kit_Control_BIOD_4_Cp	3284.31	3512.91	3326.76	1078.79	2186.70
IVT_Kit_Control_BIOD_5_Cp	3947.15	5437.61	5628.68	2066.48	3117.73
Manufacturing_Test_Control_1	469.37	396.14	352.54	529.06	484.04
Manufacturing_Test_Control_10	189.74	379.83	165.33	271.84	543.99
Manufacturing_Test_Control_11	229.12	312.41	410.68	185.68	393.38
Manufacturing_Test_Control_12	244.21	188.29	285.39	149.79	352.06
Manufacturing_Test_Control_13	137.13	109.89	267.45	195.82	353.10
Manufacturing_Test_Control_14	240.99	167.40	380.87	122.99	776.20
Manufacturing_Test_Control_15	724.88	500.43	328.70	415.13	439.68
Manufacturing_Test_Control_16	182.87	126.23	156.27	158.49	188.81
Manufacturing_Test_Control_17	331.29	125.14	329.72	440.08	359.59
Manufacturing_Test_Control_18	421.47	158.75	282.29	286.83	476.02
Manufacturing_Test_Control_19	376.91	133.21	310.11	206.73	464.08
Manufacturing_Test_Control_2	244.99	193.69	549.03	297.40	569.52
Manufacturing_Test_Control_20	447.06	243.82	274.00	291.71	465.07
Manufacturing_Test_Control_21	310.89	224.64	216.65	209.34	301.85
Manufacturing_Test_Control_22	307.38	381.20	336.68	285.49	516.57
Manufacturing_Test_Control_23	270.03	380.53	213.74	247.14	333.71
Manufacturing_Test_Control_24	2654.82	3215.20	2104.15	2604.63	4208.25
Manufacturing_Test_Control_25	285.77	284.50	393.99	226.76	397.80
Manufacturing_Test_Control_26	358.75	359.35	578.67	485.08	451.22
Manufacturing_Test_Control_27	464.18	499.61	703.09	313.32	540.81
Manufacturing_Test_Control_28	300.62	306.77	342.14	247.93	407.34

Manufacturing_Test_Control_3	296.25	163.20	254.74	242.56	416.67
Manufacturing_Test_Control_4	345.46	380.61	401.49	269.64	589.52
Manufacturing_Test_Control_5	169.12	205.46	243.63	234.89	254.04
Manufacturing_Test_Control_6	172.21	208.24	249.25	229.03	269.79
Manufacturing_Test_Control_7	239.10	190.95	272.69	202.71	256.50
Manufacturing_Test_Control_8	473.66	253.00	174.46	212.68	1529.74
Manufacturing_Test_Control_9	256.13	409.30	395.30	271.41	761.60
Negative_Control_10_Cp	207.48	300.66	250.07	253.60	747.93
Negative_Control_11_Cp	375.26	363.01	417.68	276.00	733.33
Negative_Control_12_Cp	911.90	450.91	378.71	400.75	753.01
Negative_Control_13_Cp	262.73	222.13	276.61	204.36	477.87
Negative_Control_14_Cp	381.80	488.91	355.76	358.46	750.73
Negative_Control_15_Cp	600.50	468.66	402.26	651.35	742.31
Negative_Control_16_Cp	376.12	396.69	294.18	281.95	674.23
Negative_Control_17_Cp	301.50	236.61	200.75	219.97	438.71
Negative_Control_18_Cp	254.91	216.92	303.85	267.38	377.32
Negative_Control_19_Cp	329.62	419.84	473.67	282.73	579.69
Negative_Control_1_Cp	355.66	275.34	392.68	389.15	359.17
Negative_Control_20_Cp	573.13	333.13	245.82	403.28	358.60
Negative_Control_21_Cp	242.46	343.55	294.81	238.38	391.21
Negative_Control_22_Cp	317.27	260.80	242.07	251.78	361.17
Negative_Control_23_Cp	339.92	416.37	287.28	354.61	645.00
Negative_Control_24_Cp	299.94	375.29	270.17	259.53	435.96
Negative_Control_25_Cp	244.95	252.79	275.41	268.70	422.96
Negative_Control_26_Cp	357.81	332.68	221.26	296.62	392.71
Negative_Control_27_Cp	267.48	297.54	237.31	266.42	685.34
Negative_Control_28_Cp	245.27	347.67	258.93	209.18	293.58
Negative_Control_29_Cp	326.86	414.88	345.54	412.59	465.14
Negative_Control_2_Cp	366.38	282.14	228.59	247.79	375.63
Negative_Control_30_Cp	322.99	194.33	339.33	260.45	512.33
Negative_Control_31_Cp	679.08	590.11	655.96	687.43	1070.89
Negative_Control_32_Cp	345.77	334.05	246.28	349.00	568.43
Negative_Control_33_Cp	287.52	269.68	235.65	352.45	454.95
Negative_Control_34_Cp	303.08	234.29	526.83	237.10	436.26
Negative_Control_35_Cp	181.06	152.30	217.34	149.06	343.86
Negative_Control_36_Cp	289.29	270.83	232.12	317.25	614.78
Negative_Control_37_Cp	354.24	340.88	379.28	321.08	562.93
Negative_Control_38_Cp	303.92	306.36	299.65	284.85	639.47
Negative_Control_39_Cp	214.57	247.89	277.39	231.99	430.73
Negative_Control_3_Cp	635.93	477.34	496.62	301.49	586.66
Negative_Control_40_Cp	427.62	353.57	363.43	352.56	428.91
Negative_Control_41_Cp	241.53	262.16	329.23	278.50	380.22
Negative_Control_42_Cp	214.71	207.27	224.49	224.96	390.85
Negative_Control_43_Cp	240.74	288.56	248.26	231.14	334.79
Negative_Control_44_Cp	221.52	202.03	215.61	183.76	351.46
Negative_Control_45_Cp	256.02	304.44	252.72	205.82	559.38
Negative_Control_46_Cp	542.00	414.08	419.79	298.73	581.00

Negative_Control_47_Cp	289.81	232.91	202.97	225.70	324.19
Negative_Control_48_Cp	277.09	278.98	246.96	195.71	474.70
Negative_Control_49_Cp	316.80	239.26	262.72	295.76	655.60
Negative_Control_4_Cp	382.06	504.17	428.47	437.80	988.17
Negative_Control_50_Cp	335.12	358.85	257.48	303.16	474.08
Negative_Control_51_Cp	275.83	273.75	213.09	218.76	385.82
Negative_Control_52_Cp	197.25	181.68	255.53	196.25	379.95
Negative_Control_53_Cp	229.33	232.86	236.29	308.66	324.46
Negative_Control_54_Cp	268.93	227.38	210.10	300.87	278.56
Negative_Control_55_Cp	310.84	247.91	284.23	205.07	413.71
Negative_Control_56_Cp	291.59	286.86	198.63	306.69	333.63
Negative_Control_57_Cp	175.21	232.18	226.21	204.40	230.55
Negative_Control_58_Cp	238.92	305.50	248.25	222.35	329.12
Negative_Control_59_Cp	386.81	514.31	609.54	355.74	781.42
Negative_Control_5_Cp	247.29	239.65	225.48	294.62	499.23
Negative_Control_60_Cp	317.21	369.57	231.93	319.35	436.57
Negative_Control_61_Cp	240.51	291.49	381.79	281.79	555.11
Negative_Control_62_Cp	317.30	208.53	245.12	288.27	441.80
Negative_Control_63_Cp	202.88	198.50	277.82	203.64	314.23
Negative_Control_64_Cp	396.79	378.99	307.03	299.41	534.23
Negative_Control_65_Cp	280.97	386.17	218.87	231.62	615.02
Negative_Control_66_Cp	588.68	1049.49	877.46	609.02	1618.43
Negative_Control_67_Cp	270.97	239.71	261.02	196.53	347.53
Negative_Control_68_Cp	262.16	349.57	255.92	292.68	427.54
Negative_Control_69_Cp	230.18	243.63	212.46	179.55	368.68
Negative_Control_6_Cp	219.06	258.77	222.48	193.67	460.09
Negative_Control_70_Cp	218.83	185.89	203.89	146.13	403.14
Negative_Control_71_Cp	278.88	259.32	221.73	230.02	401.92
Negative_Control_72_Cp	423.68	315.80	314.68	318.13	429.55
Negative_Control_73_Cp	248.94	341.82	259.87	210.14	358.66
Negative_Control_74_Cp	336.11	262.52	347.49	280.52	469.03
Negative_Control_75_Cp	255.02	298.27	248.01	224.53	322.63
Negative_Control_76_Cp	205.71	207.06	208.70	219.49	303.71
Negative_Control_77_Cp	312.70	221.83	262.47	272.96	391.31
Negative_Control_78_Cp	173.89	217.67	195.03	254.24	268.97
Negative_Control_79_Cp	1018.77	1020.68	797.98	822.64	1069.48
Negative_Control_7_Cp	485.55	513.78	530.61	331.44	733.71
Negative_Control_80_Cp	289.61	253.47	279.20	244.15	345.14
Negative_Control_81_Cp	343.90	237.69	250.02	199.10	429.21
Negative_Control_82_Cp	374.02	384.75	324.76	255.76	516.58
Negative_Control_83_Cp	385.09	273.67	271.25	208.60	466.55
Negative_Control_84_Cp	232.34	184.92	189.73	253.21	280.98
Negative_Control_85_Cp	181.33	231.07	205.92	131.58	261.28
Negative_Control_86_Cp	212.81	303.51	245.82	321.46	345.50
Negative_Control_87_Cp	303.75	339.12	285.87	270.74	357.04
Negative_Control_88_Cp	350.71	280.19	178.49	206.65	405.92
Negative_Control_89_Cp	374.41	404.89	350.27	238.16	652.17

Negative_Control_8_Cp	1022.73	689.88	839.68	592.54	1741.15
Negative_Control_90_Cp	378.48	293.46	202.94	246.17	324.54
Negative_Control_91_Cp	224.08	244.12	247.43	250.99	398.21
Negative_Control_92_Cp	216.13	268.81	260.46	172.80	390.06
Negative_Control_93_Cp	231.63	224.92	181.48	192.73	353.51
Negative_Control_94_Cp	158.48	192.95	238.42	176.37	378.95
Negative_Control_95_Cp	174.64	304.56	249.22	126.35	313.79
Negative_Control_96_Cp	361.19	432.72	321.55	440.65	516.17
Negative_Control_97_Cp	293.69	345.07	276.21	350.64	512.52
Negative_Control_98_Cp	277.45	280.13	276.78	324.50	478.06
Negative_Control_9_Cp	340.09	241.26	273.72	264.35	398.92
Positive_Control_101	341.53	457.80	268.70	415.79	623.27
Positive_Control_102	383.34	686.99	136.38	129.44	367.66
Positive_Control_103	202.74	412.73	255.65	280.58	230.54
Positive_Control_104	1601.64	1632.51	1697.25	1341.35	2435.79
Positive_Control_105	455.93	304.80	295.01	233.86	377.99
Positive_Control_106	363.59	486.14	377.16	216.31	666.54
Positive_Control_107	199.94	305.70	254.50	164.69	430.77
Positive_Control_108	157.51	252.67	322.62	207.52	254.73
Positive_Control_109	734.69	928.90	722.77	727.65	1044.11
Positive_Control_110	316.67	284.74	142.31	190.81	524.56
Positive_Control_111	274.94	238.95	243.44	218.91	485.06
Positive_Control_112	284.53	298.54	264.40	221.54	415.82
Positive_Control_113	761.52	751.55	346.76	795.74	1104.10
Positive_Control_114	301.24	268.24	171.46	96.56	486.97
Positive_Control_115	549.90	456.72	476.17	396.78	356.24
Positive_Control_116	6473.59	8332.18	9432.42	5004.58	7103.83
Positive_Control_117	5924.07	10282.59	13820.06	7484.97	6540.89
Positive_Control_118	3702.93	4245.24	4866.23	2678.05	3901.38
Positive_Control_119	3889.08	8558.66	1096.91	5853.67	21453.05
Positive_Control_120	3393.14	5030.31	664.17	8093.15	17473.68
Positive_Control_121	2618.79	8520.78	968.17	7051.92	11383.50
Positive_Control_122	7369.67	6719.09	5547.33	5016.08	11454.64
Positive_Control_123	7155.78	9626.29	5298.09	7095.42	12360.60
Positive_Control_124	10415.36	12448.18	11564.71	8505.23	15487.03
Positive_Control_125	6271.10	12680.86	6735.56	5287.76	10375.22
Positive_Control_126	14601.28	9454.95	8315.65	6607.57	20820.58
Positive_Control_127	11452.09	16582.83	11715.29	13541.65	28253.68
Positive_Control_128	1810.95	1153.09	703.15	1528.26	5143.86
Positive_Control_129	1147.27	1629.01	781.95	2436.87	3460.48
Positive_Control_130	3751.97	3998.06	2212.55	5200.84	10990.19
Positive_Control_131	333.77	228.05	288.58	314.46	279.71
Positive_Control_132	507.29	304.98	237.08	430.93	337.09
Positive_Control_133	203.12	390.51	181.50	113.23	213.05
Positive_Control_134	1097.74	1110.79	892.42	951.20	2479.09
Positive_Control_135	162.57	183.71	138.44	112.57	442.72
Positive_Control_136	211.91	163.15	182.50	183.61	708.48

Positive_Control_137	2279.71	3748.72	2057.87	4035.89	4885.36
Positive_Control_138	949.49	1470.33	719.87	919.77	2251.11
Positive_Control_139	330.48	308.48	346.64	287.62	449.04
Positive_Control_140	6478.15	12272.47	8711.18	10713.90	14984.42
Positive_Control_141	6106.09	4763.21	3964.97	4019.23	12659.40
Positive_Control_142	347.34	503.88	321.88	580.74	688.70
Positive_Control_143	3957.47	5849.16	2677.88	5559.49	6454.72
Positive_Control_144	830.70	1801.27	1048.31	905.24	2122.09
Positive_Control_145	417.51	455.83	310.80	299.00	732.99
Positive_Control_146	319.48	308.80	549.58	353.95	460.23
Positive_Control_147	489.51	267.09	306.02	395.79	689.12
Positive_Control_148	360.31	268.87	251.25	271.29	528.76
Positive_Control_150	1848.69	3152.06	2685.02	1077.73	1457.22
Positive_Control_151	471.74	996.36	580.79	404.90	523.72
Positive_Control_152	359.00	129.85	279.29	170.72	668.79
Positive_Control_153	423.45	367.48	471.10	389.06	565.24
Positive_Control_154	186.16	379.25	304.97	160.09	304.06
Positive_Control_155	329.28	428.49	433.78	493.77	459.19
Positive_Control_156	269.63	186.66	86.72	121.90	239.43
Positive_Control_157	1111.20	712.93	778.94	473.90	803.48
Positive_Control_158	265.12	167.41	229.81	226.61	220.71
Positive_Control_159	121.64	257.79	211.20	103.35	531.55
Positive_Control_160	238.67	133.06	284.51	191.12	385.20
Positive_Control_161	554.43	219.15	256.25	323.56	424.21
Positive_Control_162	184.28	216.35	139.61	295.15	116.53
Positive_Control_163	271.22	149.44	182.69	154.61	164.10
Positive_Control_164	255.51	791.97	453.41	372.97	589.55
Positive_Control_165	220.70	176.23	199.36	233.87	594.23
Positive_Control_166	831.75	1032.50	1108.04	490.06	786.58
Positive_Control_167	850.06	694.54	811.41	343.99	626.32
Positive_Control_168	3352.43	2469.51	3213.73	1178.99	1950.58
Positive_Control_169	618.18	1023.45	854.31	445.27	705.72
Positive_Control_170	1313.87	1159.10	1285.87	781.00	1755.40
Positive_Control_171	2674.36	1928.50	3844.95	1047.90	2098.07
Positive_Control_172	1630.97	1350.95	1686.61	805.02	1252.14
Positive_Control_173	826.75	888.37	986.88	410.63	698.86
Positive_Control_174	4998.37	2383.71	3299.42	1339.65	2619.01
Positive_Control_175	269.81	249.52	223.98	182.22	301.57
Positive_Control_176	197.82	253.78	352.33	203.34	337.41
Positive_Control_177	884.41	621.18	662.19	381.51	613.49
Positive_Control_178	347.19	360.66	249.54	333.76	253.76
Positive_Control_179	548.21	449.31	604.64	404.64	563.55
Positive_Control_180	327.50	614.75	311.67	348.50	503.16
Positive_Control_181	2469.66	2226.81	3470.80	1249.36	1757.28
Positive_Control_182	1149.61	1292.72	1337.31	520.76	819.61
Positive_Control_183	962.12	974.03	1499.35	505.82	746.88
Positive_Control_184	1537.08	2731.03	2761.52	1074.43	2862.93

Positive_Control_185	761.10	1102.56	1206.95	433.51	635.25
Positive_Control_186	227.74	170.65	410.19	243.08	354.38
Positive_Control_187	351.49	187.95	173.07	340.09	1028.16
Positive_Control_188	408.62	251.29	228.69	271.82	350.64
Positive_Control_189	249.98	692.22	173.37	399.86	801.34
Positive_Control_190	468.73	676.67	650.67	388.41	597.26
Positive_Control_191	382.79	387.56	329.39	324.72	492.73
Positive_Control_192	306.32	230.80	281.31	221.15	243.50
Positive_Control_193	2898.47	2300.54	2135.86	1956.52	6208.53
Positive_Control_194	2650.95	1794.24	1730.44	1163.03	4473.54
Positive_Control_195	9484.99	7600.52	8365.65	8277.59	15251.95
Positive_Control_196	325.41	190.48	212.80	241.54	413.14
Positive_Control_197	1543.01	1884.64	670.34	1659.48	2340.24
Positive_Control_198	2193.48	2602.77	3303.44	1410.48	2062.65
Positive_Control_199	1846.20	4353.11	981.30	4923.84	9468.46
Positive_Control_200	6284.64	4421.90	2844.11	3685.13	5706.92
Positive_Control_201	7486.17	8617.11	5766.29	5309.71	12014.75
Positive_Control_202	874.24	701.65	330.34	744.97	2090.12
Positive_Control_203	491.76	360.31	202.84	295.66	557.37
Positive_Control_204	597.86	758.58	382.12	478.51	1166.62
Positive_Control_205	3325.41	2487.04	1546.87	1979.62	3572.77
Positive_Control_206	9537.24	9058.65	7717.40	7932.01	12831.81
Positive_Control_207	2200.98	3943.66	1966.65	2830.95	4974.14
Positive_Control_208	149.57	172.04	322.85	169.17	225.61
Positive_Control_209	1081.29	842.63	936.96	475.03	709.17
Positive_Control_210	1118.91	1250.58	1188.10	662.03	847.34
Positive_Control_211	739.08	906.32	556.55	394.46	580.92
Positive_Control_212	921.93	708.84	621.90	253.79	799.07
Positive_Control_213	310.97	358.06	265.35	230.07	452.03
Positive_Control_214	213.48	241.47	265.12	159.47	271.44
Positive_Control_215	288.18	232.74	189.52	190.79	383.71
Positive_Control_216	124.42	89.32	136.59	95.79	203.48
Positive_Control_217	2250.46	2491.76	3427.13	1306.10	1433.16
Positive_Control_218	1772.93	1995.65	2419.39	714.49	1256.96
Positive_Control_219	1573.70	2443.58	1793.81	813.87	1202.46
Positive_Control_220	2208.62	2312.15	2855.75	1608.31	1791.43
Positive_Control_221	1442.01	1655.63	1462.92	859.74	1267.03
Positive_Control_222	1355.13	1627.57	1255.51	700.97	845.63
Positive_Control_223	2746.12	2365.77	2044.29	900.68	1806.38
Positive_Control_224	2267.45	2728.08	2841.58	1271.44	1907.76
Positive_Control_225	208.80	215.18	234.74	190.63	319.80
Positive_Control_226	320.31	441.33	347.48	337.09	350.54
Positive_Control_227	305.35	546.56	413.84	290.50	373.78
Positive_Control_228	819.47	1053.22	985.94	653.11	733.47
Positive_Control_229	417.47	464.54	433.93	283.44	313.19
Positive_Control_230	222.46	303.90	365.67	169.29	212.99
RT_Kit_Control_DAP_1_Cp	430.15	420.07	461.02	433.32	483.19

RT_Kit_Control_DAP_2_Cp	239.10	237.86	208.80	232.46	354.05
RT_Kit_Control_DAP_3_Cp	233.72	240.38	202.97	229.46	348.70
RT_Kit_Control_DAP_4_Cp	241.14	283.84	226.07	208.40	357.58
RT_Kit_Control_DAP_5_Cp	475.42	526.23	524.22	329.08	541.90
RT_Kit_Control_LYS_1_Cp	357.67	340.22	254.54	345.49	499.31
RT_Kit_Control_LYS_2_Cp	535.29	461.87	465.82	413.67	546.61
RT_Kit_Control_LYS_3_Cp	518.08	608.11	580.97	367.17	562.03
RT_Kit_Control_LYS_4_Cp	807.02	844.52	835.28	499.59	732.66
RT_Kit_Control_LYS_5_Cp	1415.23	1589.60	1390.15	742.64	1205.39
RT_Kit_Control_PHE_1_Cp	406.81	404.00	382.57	350.42	463.81
RT_Kit_Control_PHE_2_Cp	404.30	552.79	506.09	344.67	506.95
RT_Kit_Control_PHE_3_Cp	473.25	575.19	541.01	411.61	571.64
RT_Kit_Control_PHE_4_Cp	816.96	908.12	987.08	551.89	789.61
RT_Kit_Control_PHE_5_Cp	547.42	596.76	548.31	455.83	564.70
MA001D0					
Blank	0.00				
Buffer_Blank	0.00				
CLFL_GridLandmark_Cp	129.24				
CL_ControlLadder_1_Cp	0.00				
CL_ControlLadder_2_Cp	0.00				
CL_ControlLadder_3_Cp	0.00				
CL_ControlLadder_4_Cp	0.00				
CL_ControlLadder_5_Cp	0.00				
FL_ControlLadder_1_Cp	0.00				
FL_ControlLadder_2_Cp	0.00				
FL_ControlLadder_3_Cp	0.00				
FL_ControlLadder_4_Cp	0.00				
FL_ControlLadder_5_Cp	0.00				
FL_Fiducial_Cp	41.00				
Hybridization_Control_1_Cp	846.76				
Hybridization_Control_2_Cp	2685.68				
Hybridization_Control_3_Cp	1791.98				
ICP_FLOnly_Control_Cp	119.25				
IVT_Kit_Control_BIOB_1_Cp	1292.30				
IVT_Kit_Control_BIOB_2_Cp	2058.35				
IVT_Kit_Control_BIOB_3_Cp	1268.29				
IVT_Kit_Control_BIOB_4_Cp	1175.72				
IVT_Kit_Control_BIOB_5_Cp	1210.59				
IVT_Kit_Control_BIOC_1_Cp	2101.04				
IVT_Kit_Control_BIOC_2_Cp	1572.25				
IVT_Kit_Control_BIOC_3_Cp	1214.07				
IVT_Kit_Control_BIOC_4_Cp	3023.66				
IVT_Kit_Control_BIOC_5_Cp	2297.63				
IVT_Kit_Control_BIOD_1_Cp	2756.61				
IVT_Kit_Control_BIOD_2_Cp	4041.47				
IVT_Kit_Control_BIOD_3_Cp	5855.30				
IVT_Kit_Control_BIOD_4_Cp	2694.88				

IVT_Kit_Control_BIOD_5_Cp	4106.32
Manufacturing_Test_Control_1	405.04
Manufacturing_Test_Control_10	298.72
Manufacturing_Test_Control_11	205.52
Manufacturing_Test_Control_12	207.74
Manufacturing_Test_Control_13	142.39
Manufacturing_Test_Control_14	264.23
Manufacturing_Test_Control_15	336.99
Manufacturing_Test_Control_16	163.96
Manufacturing_Test_Control_17	315.23
Manufacturing_Test_Control_18	619.38
Manufacturing_Test_Control_19	235.31
Manufacturing_Test_Control_2	236.71
Manufacturing_Test_Control_20	316.45
Manufacturing_Test_Control_21	328.09
Manufacturing_Test_Control_22	227.06
Manufacturing_Test_Control_23	269.13
Manufacturing_Test_Control_24	2735.36
Manufacturing_Test_Control_25	292.31
Manufacturing_Test_Control_26	387.75
Manufacturing_Test_Control_27	446.32
Manufacturing_Test_Control_28	282.23
Manufacturing_Test_Control_3	358.27
Manufacturing_Test_Control_4	326.40
Manufacturing_Test_Control_5	189.14
Manufacturing_Test_Control_6	178.95
Manufacturing_Test_Control_7	135.70
Manufacturing_Test_Control_8	786.96
Manufacturing_Test_Control_9	288.79
Negative_Control_10_Cp	269.32
Negative_Control_11_Cp	361.10
Negative_Control_12_Cp	486.13
Negative_Control_13_Cp	362.36
Negative_Control_14_Cp	264.63
Negative_Control_15_Cp	977.25
Negative_Control_16_Cp	417.11
Negative_Control_17_Cp	189.38
Negative_Control_18_Cp	221.07
Negative_Control_19_Cp	363.77
Negative_Control_1_Cp	263.08
Negative_Control_20_Cp	327.74
Negative_Control_21_Cp	448.68
Negative_Control_22_Cp	242.11
Negative_Control_23_Cp	493.53
Negative_Control_24_Cp	680.18
Negative_Control_25_Cp	297.42
Negative_Control_26_Cp	269.52

Negative_Control_27_Cp	274.63
Negative_Control_28_Cp	198.43
Negative_Control_29_Cp	317.90
Negative_Control_2_Cp	232.68
Negative_Control_30_Cp	233.10
Negative_Control_31_Cp	1070.34
Negative_Control_32_Cp	231.14
Negative_Control_33_Cp	235.30
Negative_Control_34_Cp	249.16
Negative_Control_35_Cp	292.48
Negative_Control_36_Cp	245.29
Negative_Control_37_Cp	303.29
Negative_Control_38_Cp	238.83
Negative_Control_39_Cp	346.51
Negative_Control_3_Cp	423.08
Negative_Control_40_Cp	269.29
Negative_Control_41_Cp	448.16
Negative_Control_42_Cp	204.80
Negative_Control_43_Cp	175.53
Negative_Control_44_Cp	293.83
Negative_Control_45_Cp	286.57
Negative_Control_46_Cp	1233.22
Negative_Control_47_Cp	220.80
Negative_Control_48_Cp	299.61
Negative_Control_49_Cp	416.54
Negative_Control_4_Cp	406.81
Negative_Control_50_Cp	297.16
Negative_Control_51_Cp	256.30
Negative_Control_52_Cp	341.48
Negative_Control_53_Cp	237.08
Negative_Control_54_Cp	232.32
Negative_Control_55_Cp	429.11
Negative_Control_56_Cp	293.75
Negative_Control_57_Cp	280.13
Negative_Control_58_Cp	213.44
Negative_Control_59_Cp	282.64
Negative_Control_5_Cp	338.19
Negative_Control_60_Cp	284.98
Negative_Control_61_Cp	395.59
Negative_Control_62_Cp	340.35
Negative_Control_63_Cp	256.20
Negative_Control_64_Cp	1085.99
Negative_Control_65_Cp	258.15
Negative_Control_66_Cp	640.02
Negative_Control_67_Cp	289.69
Negative_Control_68_Cp	290.43
Negative_Control_69_Cp	207.03

Negative_Control_6_Cp	391.59
Negative_Control_70_Cp	229.66
Negative_Control_71_Cp	401.67
Negative_Control_72_Cp	367.27
Negative_Control_73_Cp	328.87
Negative_Control_74_Cp	242.43
Negative_Control_75_Cp	260.25
Negative_Control_76_Cp	306.36
Negative_Control_77_Cp	272.90
Negative_Control_78_Cp	235.21
Negative_Control_79_Cp	613.95
Negative_Control_7_Cp	366.58
Negative_Control_80_Cp	198.59
Negative_Control_81_Cp	320.13
Negative_Control_82_Cp	225.55
Negative_Control_83_Cp	355.93
Negative_Control_84_Cp	274.96
Negative_Control_85_Cp	154.86
Negative_Control_86_Cp	258.39
Negative_Control_87_Cp	301.52
Negative_Control_88_Cp	368.55
Negative_Control_89_Cp	414.42
Negative_Control_8_Cp	699.93
Negative_Control_90_Cp	304.93
Negative_Control_91_Cp	253.27
Negative_Control_92_Cp	123.98
Negative_Control_93_Cp	128.23
Negative_Control_94_Cp	246.79
Negative_Control_95_Cp	231.32
Negative_Control_96_Cp	448.46
Negative_Control_97_Cp	256.03
Negative_Control_98_Cp	210.33
Negative_Control_9_Cp	280.17
Positive_Control_101	313.87
Positive_Control_102	227.79
Positive_Control_103	258.29
Positive_Control_104	2067.31
Positive_Control_105	435.66
Positive_Control_106	530.18
Positive_Control_107	246.97
Positive_Control_108	196.17
Positive_Control_109	1370.20
Positive_Control_110	244.41
Positive_Control_111	158.85
Positive_Control_112	271.81
Positive_Control_113	904.93
Positive_Control_114	177.72

Positive_Control_115	318.01
Positive_Control_116	6288.74
Positive_Control_117	6803.21
Positive_Control_118	3354.53
Positive_Control_119	11498.77
Positive_Control_120	10758.81
Positive_Control_121	7994.67
Positive_Control_122	8615.40
Positive_Control_123	7931.73
Positive_Control_124	11387.90
Positive_Control_125	10443.19
Positive_Control_126	16585.21
Positive_Control_127	19627.10
Positive_Control_128	2366.55
Positive_Control_129	1686.84
Positive_Control_130	9165.16
Positive_Control_131	177.33
Positive_Control_132	308.56
Positive_Control_133	183.64
Positive_Control_134	2533.22
Positive_Control_135	182.15
Positive_Control_136	455.46
Positive_Control_137	5516.00
Positive_Control_138	1610.52
Positive_Control_139	408.00
Positive_Control_140	15033.40
Positive_Control_141	8706.06
Positive_Control_142	486.50
Positive_Control_143	5821.62
Positive_Control_144	1686.57
Positive_Control_145	745.24
Positive_Control_146	481.19
Positive_Control_147	746.29
Positive_Control_148	346.07
Positive_Control_150	1848.32
Positive_Control_151	588.83
Positive_Control_152	560.64
Positive_Control_153	343.34
Positive_Control_154	186.43
Positive_Control_155	295.10
Positive_Control_156	158.82
Positive_Control_157	890.17
Positive_Control_158	192.56
Positive_Control_159	155.46
Positive_Control_160	236.82
Positive_Control_161	437.99
Positive_Control_162	391.80

Positive_Control_163	194.15
Positive_Control_164	362.17
Positive_Control_165	172.63
Positive_Control_166	1007.47
Positive_Control_167	566.30
Positive_Control_168	3537.39
Positive_Control_169	690.50
Positive_Control_170	1491.96
Positive_Control_171	2678.15
Positive_Control_172	1440.20
Positive_Control_173	628.27
Positive_Control_174	3918.32
Positive_Control_175	519.16
Positive_Control_176	353.09
Positive_Control_177	655.70
Positive_Control_178	296.36
Positive_Control_179	318.85
Positive_Control_180	579.37
Positive_Control_181	2278.35
Positive_Control_182	1062.22
Positive_Control_183	809.74
Positive_Control_184	1426.95
Positive_Control_185	861.49
Positive_Control_186	473.65
Positive_Control_187	136.84
Positive_Control_188	233.07
Positive_Control_189	630.01
Positive_Control_190	404.09
Positive_Control_191	489.61
Positive_Control_192	236.98
Positive_Control_193	4418.24
Positive_Control_194	2249.59
Positive_Control_195	16720.19
Positive_Control_196	304.13
Positive_Control_197	1611.77
Positive_Control_198	2526.87
Positive_Control_199	6039.36
Positive_Control_200	6814.51
Positive_Control_201	10619.80
Positive_Control_202	1597.29
Positive_Control_203	397.86
Positive_Control_204	769.72
Positive_Control_205	3433.47
Positive_Control_206	13050.15
Positive_Control_207	3911.63
Positive_Control_208	246.62
Positive_Control_209	861.45

Positive_Control_210	1038.75
Positive_Control_211	597.53
Positive_Control_212	680.70
Positive_Control_213	566.77
Positive_Control_214	266.94
Positive_Control_215	321.81
Positive_Control_216	139.97
Positive_Control_217	1571.71
Positive_Control_218	1674.60
Positive_Control_219	1451.52
Positive_Control_220	1798.10
Positive_Control_221	1891.46
Positive_Control_222	954.76
Positive_Control_223	2508.60
Positive_Control_224	2334.43
Positive_Control_225	214.78
Positive_Control_226	430.47
Positive_Control_227	315.33
Positive_Control_228	793.04
Positive_Control_229	432.29
Positive_Control_230	333.10
RT_Kit_Control_DAP_1_Cp	473.04
RT_Kit_Control_DAP_2_Cp	264.94
RT_Kit_Control_DAP_3_Cp	235.55
RT_Kit_Control_DAP_4_Cp	274.29
RT_Kit_Control_DAP_5_Cp	487.44
RT_Kit_Control_LYS_1_Cp	363.23
RT_Kit_Control_LYS_2_Cp	510.44
RT_Kit_Control_LYS_3_Cp	560.88
RT_Kit_Control_LYS_4_Cp	741.43
RT_Kit_Control_LYS_5_Cp	1386.41
RT_Kit_Control_PHE_1_Cp	442.91
RT_Kit_Control_PHE_2_Cp	445.45
RT_Kit_Control_PHE_3_Cp	492.35
RT_Kit_Control_PHE_4_Cp	809.68
RT_Kit_Control_PHE_5_Cp	548.32

Slot "Ctrl":\$cv

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
Blank	0.00	0.00	0.00	0.00	0.00	0.00
Buffer_Blank	0.00	0.00	0.00	0.00	0.00	0.00
CLFL_GridLandmark_Cp	0.05	0.05	0.07	0.06	0.05	0.04
CL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00	0.00

FL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_Fiducial_Cp	7.85	1.11	1.36	3.95	1.92	1.74
Hybridization_Control_1_Cp	0.05	0.05	0.07	0.06	0.05	0.05
Hybridization_Control_2_Cp	0.05	0.05	0.07	0.06	0.06	0.05
Hybridization_Control_3_Cp	0.05	0.05	0.07	0.06	0.06	0.05
ICP_FLOnly_Control_Cp	0.91	36.15	1.11	1.65	14.61	3.80
IVT_Kit_Control_BIOB_1_Cp	0.05	0.05	0.07	0.06	0.05	0.04
IVT_Kit_Control_BIOB_2_Cp	0.05	0.05	0.07	0.06	0.05	0.04
IVT_Kit_Control_BIOB_3_Cp	0.05	0.05	0.07	0.06	0.05	0.04
IVT_Kit_Control_BIOB_4_Cp	0.05	0.05	0.07	0.06	0.05	0.04
IVT_Kit_Control_BIOB_5_Cp	0.05	0.05	0.07	0.06	0.05	0.04
IVT_Kit_Control_BIOC_1_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOC_2_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOC_3_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOC_4_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOC_5_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOD_1_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOD_2_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOD_3_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOD_4_Cp	0.05	0.05	0.07	0.06	0.06	0.05
IVT_Kit_Control_BIOD_5_Cp	0.05	0.05	0.07	0.06	0.06	0.05
Manufacturing_Test_Control_1	0.75	0.77	0.65	0.44	1.03	0.74
Manufacturing_Test_Control_10	0.28	2.20	0.56	2.01	4.37	6.10
Manufacturing_Test_Control_11	59.06	0.74	1.17	0.46	1.09	1.70
Manufacturing_Test_Control_12	2.51	0.20	12.87	336.68	0.65	2.93
Manufacturing_Test_Control_13	1.19	0.31	5.39	0.83	0.51	1.59
Manufacturing_Test_Control_14	0.28	0.19	2.43	0.13	4.43	0.41
Manufacturing_Test_Control_15	2.08	3.29	1.80	0.81	0.83	1.29
Manufacturing_Test_Control_16	1.59	18.88	0.38	1.16	1.72	2.05
Manufacturing_Test_Control_17	0.95	0.76	0.68	0.42	0.98	1.28
Manufacturing_Test_Control_18	1.53	0.31	0.91	1.51	0.95	1.39
Manufacturing_Test_Control_19	0.45	0.16	0.51	1.56	0.79	2.16
Manufacturing_Test_Control_2	0.14	0.16	0.47	0.19	0.29	0.15
Manufacturing_Test_Control_20	0.68	1.43	0.29	1.38	0.78	0.47
Manufacturing_Test_Control_21	1.07	0.69	1.61	3.12	3.40	0.61
Manufacturing_Test_Control_22	1.58	0.80	10.38	3.38	4.72	0.88
Manufacturing_Test_Control_23	0.81	0.86	3.86	1.06	13.63	1.98
Manufacturing_Test_Control_24	0.45	1.44	0.37	0.40	1.88	0.31
Manufacturing_Test_Control_25	4.58	0.45	3.31	0.59	0.54	2.70
Manufacturing_Test_Control_26	0.15	0.11	0.50	0.20	0.11	0.13
Manufacturing_Test_Control_27	0.05	0.05	0.08	0.06	0.06	0.05
Manufacturing_Test_Control_28	0.55	2.05	4.87	5.06	1.50	4.30
Manufacturing_Test_Control_3	1.31	0.33	14.31	0.86	0.37	0.22

Manufacturing_Test_Control_4	0.81	0.47	1.70	0.56	1.57	0.86
Manufacturing_Test_Control_5	0.92	0.96	1.13	0.89	0.97	0.78
Manufacturing_Test_Control_6	0.96	0.94	0.82	1.25	0.78	13.90
Manufacturing_Test_Control_7	0.51	1.40	0.49	1.56	1.26	0.47
Manufacturing_Test_Control_8	7.20	0.94	0.68	0.27	1.57	0.53
Manufacturing_Test_Control_9	1.29	1.23	0.87	1.60	7.17	1.57
Negative_Control_10_Cp	2.73	1.32	1.91	0.87	39.79	7.26
Negative_Control_11_Cp	1.02	2.69	0.34	0.96	1.75	0.77
Negative_Control_12_Cp	1.70	2.36	2.89	1.00	1.06	1.22
Negative_Control_13_Cp	4.10	0.66	0.90	1.49	10.57	10.19
Negative_Control_14_Cp	0.71	0.40	6.04	2.40	3.68	0.66
Negative_Control_15_Cp	1.82	0.75	0.86	1.07	0.71	5.61
Negative_Control_16_Cp	0.82	44.84	0.95	2.78	2.57	1.79
Negative_Control_17_Cp	2.10	3.80	2.84	1.29	0.79	0.58
Negative_Control_18_Cp	1.43	0.98	1.46	6.47	1.68	1.62
Negative_Control_19_Cp	4.74	5.86	1.35	2.42	19.84	1.17
Negative_Control_1_Cp	1.00	3.53	4.55	1.99	1.73	745.31
Negative_Control_20_Cp	1.69	1.49	1.06	21.76	0.62	6.71
Negative_Control_21_Cp	1.55	1.09	0.74	4.75	67.36	7.68
Negative_Control_22_Cp	0.76	0.65	38.17	6.70	1.04	1.86
Negative_Control_23_Cp	0.70	3.82	4.44	22.79	1.41	2.70
Negative_Control_24_Cp	1.78	10.11	3.19	22.87	2.82	1.07
Negative_Control_25_Cp	1.49	11.05	2.34	6.67	3.26	1.27
Negative_Control_26_Cp	12.08	1.38	0.71	1.60	1.63	22.09
Negative_Control_27_Cp	370.97	1.69	5.11	3.18	3.01	0.92
Negative_Control_28_Cp	0.70	3.24	0.84	8.18	29.16	1.47
Negative_Control_29_Cp	163.27	1.36	1.11	1.55	1.14	1.42
Negative_Control_2_Cp	4.42	0.70	1.19	5.67	0.77	0.75
Negative_Control_30_Cp	0.96	1.18	0.84	87.93	1.38	0.60
Negative_Control_31_Cp	26.76	0.73	11.63	1.44	1.60	847.46
Negative_Control_32_Cp	1.37	0.68	1.05	0.74	0.82	1.03
Negative_Control_33_Cp	6.21	0.92	2.12	24.24	1.23	1.21
Negative_Control_34_Cp	0.99	1.21	4.84	3.80	1.05	3.51
Negative_Control_35_Cp	1.25	1.06	1.79	0.42	6.77	1.74
Negative_Control_36_Cp	8.64	0.66	3.74	2.89	0.85	0.79
Negative_Control_37_Cp	0.69	0.30	1.82	0.96	2.57	2.64
Negative_Control_38_Cp	1.15	1.53	2.07	10.72	1.51	8.56
Negative_Control_39_Cp	2.00	3.90	3.72	5.16	2.53	1.36
Negative_Control_3_Cp	1.79	2.58	3.48	1.22	25.03	4.37
Negative_Control_40_Cp	8.28	8.58	0.92	2.59	3.82	2.84
Negative_Control_41_Cp	0.58	1.16	5.74	5.74	0.80	47.17
Negative_Control_42_Cp	2.56	0.74	3.00	0.83	1.78	1.67
Negative_Control_43_Cp	0.52	1.06	1.24	0.91	56.16	4.00
Negative_Control_44_Cp	2.18	1.02	2.42	3.08	3.65	0.62
Negative_Control_45_Cp	1.66	1.79	7.77	1.46	1.63	3.30
Negative_Control_46_Cp	1.57	1.46	13.94	10.86	1.99	2.97
Negative_Control_47_Cp	1.11	0.86	2.77	1.23	0.69	0.81

Negative_Control_48_Cp	0.54	3.56	0.63	1.25	1.93	10.24
Negative_Control_49_Cp	2.37	1.85	2.88	1.67	0.89	2.68
Negative_Control_4_Cp	11.31	3.22	1.40	43.46	1.00	1.43
Negative_Control_50_Cp	1.59	5.09	1.05	0.87	1.65	14.48
Negative_Control_51_Cp	1.18	1.57	0.63	46.89	6.53	0.94
Negative_Control_52_Cp	7.30	22.68	0.95	3.37	2.84	1.28
Negative_Control_53_Cp	1.07	13.06	1.74	2.39	2.48	1.23
Negative_Control_54_Cp	2.26	5.83	0.86	4.88	1.05	16.05
Negative_Control_55_Cp	2.36	1.13	1.29	14.94	1.95	1.17
Negative_Control_56_Cp	1.47	1.09	0.91	7.03	2.17	1.66
Negative_Control_57_Cp	0.59	1.43	2.42	0.74	0.89	0.82
Negative_Control_58_Cp	2.01	1.10	2.02	2.05	1.16	33.56
Negative_Control_59_Cp	0.78	12.06	1.24	1.25	1.46	1.22
Negative_Control_5_Cp	6.68	1.35	1.37	1.19	1.18	0.85
Negative_Control_60_Cp	13.47	2.13	0.44	3.03	1.13	1.26
Negative_Control_61_Cp	5.74	2.05	7.75	1.02	1.43	3.13
Negative_Control_62_Cp	22.74	0.90	1.35	12.14	20.69	0.94
Negative_Control_63_Cp	1.07	1.40	1.08	6.38	0.77	1.35
Negative_Control_64_Cp	1.60	3.30	1.37	1.67	1.79	3.92
Negative_Control_65_Cp	6.57	2.14	1.85	1.80	1.82	2.00
Negative_Control_66_Cp	1.76	0.84	12.93	1.38	40.80	4.56
Negative_Control_67_Cp	2.78	0.43	1.02	0.62	1.34	0.77
Negative_Control_68_Cp	0.49	0.30	3.17	0.32	0.60	0.46
Negative_Control_69_Cp	1.07	396.97	1.68	42.08	1.41	0.81
Negative_Control_6_Cp	0.41	56.88	3.89	0.92	1.25	2.43
Negative_Control_70_Cp	92.70	0.71	6.00	2.65	1.32	1.47
Negative_Control_71_Cp	1.21	0.89	3.13	3.16	5.21	1.41
Negative_Control_72_Cp	2.56	1.64	1.41	0.93	0.81	1.35
Negative_Control_73_Cp	5.72	1.08	2.83	3.21	4.11	0.97
Negative_Control_74_Cp	28.60	9.26	1.80	1.38	1.37	0.96
Negative_Control_75_Cp	0.35	1.56	4.57	4.05	0.68	0.47
Negative_Control_76_Cp	1.12	0.73	1.07	7.40	61.70	1.47
Negative_Control_77_Cp	1.17	5.97	4.24	2.86	1.20	5.42
Negative_Control_78_Cp	1.18	13.26	5.62	1.20	2.10	1.16
Negative_Control_79_Cp	12.00	1.56	2.17	23.07	1.02	1.63
Negative_Control_7_Cp	1.36	1.73	3.99	0.95	4.39	3.78
Negative_Control_80_Cp	1.47	0.94	1.16	6.41	0.76	2.87
Negative_Control_81_Cp	5.08	10.21	3.84	2.67	1.28	2.16
Negative_Control_82_Cp	2.32	0.81	2.04	17.88	17.00	1.43
Negative_Control_83_Cp	0.76	14.23	0.48	1.05	1.59	2.83
Negative_Control_84_Cp	11.49	4.39	0.77	1.23	3.77	15.27
Negative_Control_85_Cp	1.41	0.24	1.19	0.34	1.58	0.42
Negative_Control_86_Cp	0.33	2.26	0.42	2.52	0.63	0.58
Negative_Control_87_Cp	3.04	2.36	4.66	4.22	2.76	1.08
Negative_Control_88_Cp	2.35	0.58	1.89	0.79	2.25	1.45
Negative_Control_89_Cp	1.38	2.39	1.44	1.02	4.27	1.37
Negative_Control_8_Cp	0.50	1.51	2.62	0.64	1.96	3.09

Negative_Control_90_Cp	0.92	1.21	1.59	4.00	1.91	0.79
Negative_Control_91_Cp	9.37	1.23	6.44	2.03	1.26	1.84
Negative_Control_92_Cp	0.98	2.35	2.75	2.51	5.77	0.88
Negative_Control_93_Cp	1.25	1.01	6.02	30.46	2.27	1.47
Negative_Control_94_Cp	1.94	1.46	0.77	1.13	1.47	1.18
Negative_Control_95_Cp	1.29	0.99	2.66	1.36	79.97	1.90
Negative_Control_96_Cp	1.05	2.60	1.30	4.21	2.50	2.01
Negative_Control_97_Cp	1.27	1.37	3.34	2.34	1.23	0.72
Negative_Control_98_Cp	0.19	0.39	0.25	0.46	1.19	0.55
Negative_Control_9_Cp	2.25	1.84	3.22	4.84	1.34	1.51
Positive_Control_101	0.63	0.54	1.21	2.64	14.75	6.05
Positive_Control_102	0.91	5.58	0.58	1.06	1.54	0.27
Positive_Control_103	1.16	1.43	1.74	2.10	0.31	0.38
Positive_Control_104	0.05	0.05	0.07	0.06	0.05	0.04
Positive_Control_105	0.62	0.20	0.57	0.29	0.16	0.29
Positive_Control_106	3.33	1.68	2.07	0.59	0.60	1.38
Positive_Control_107	0.06	0.05	0.08	0.07	0.05	0.04
Positive_Control_108	0.57	4.85	1.20	0.62	0.25	0.24
Positive_Control_109	2.39	0.40	2.19	1.62	1.38	2.15
Positive_Control_110	0.37	0.13	0.23	0.24	0.29	0.13
Positive_Control_111	0.64	0.52	0.91	2.73	0.25	1.90
Positive_Control_112	2.50	0.79	0.64	11.64	3.88	0.74
Positive_Control_113	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_114	6.73	6.86	0.74	2.54	4.18	0.20
Positive_Control_115	1.06	0.63	18.87	0.85	1.80	1.11
Positive_Control_116	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_117	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_118	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_119	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_120	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_121	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_122	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_123	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_124	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_125	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_126	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_127	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_128	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_129	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_130	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_131	0.92	0.63	69.20	0.58	0.52	0.17
Positive_Control_132	2.73	0.52	0.90	1.96	0.89	2.07
Positive_Control_133	1.24	0.88	0.48	0.39	7.43	1.23
Positive_Control_134	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_135	0.23	0.14	0.74	0.38	0.53	0.14
Positive_Control_136	0.82	0.99	1.68	0.29	1.70	1.78
Positive_Control_137	0.05	0.04	0.07	0.06	0.04	0.04

Positive_Control_138	0.05	0.05	0.07	0.06	0.05	0.04
Positive_Control_139	3.85	1.23	10.29	0.31	4.88	1.59
Positive_Control_140	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_141	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_142	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_143	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_144	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_145	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_146	0.09	0.14	0.40	0.22	0.12	0.15
Positive_Control_147	0.26	1.24	0.24	1.65	0.50	2.44
Positive_Control_148	0.46	0.17	0.31	0.38	0.15	0.15
Positive_Control_150	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_151	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_152	0.39	0.40	1.11	1.00	0.58	3.71
Positive_Control_153	0.17	0.09	0.23	0.15	0.16	0.10
Positive_Control_154	0.06	0.06	0.08	0.07	0.08	0.06
Positive_Control_155	0.73	0.93	0.69	1.68	4.10	2.65
Positive_Control_156	0.54	0.78	0.37	0.68	2.38	1.01
Positive_Control_157	0.06	0.05	0.07	0.06	0.07	0.05
Positive_Control_158	0.54	4.96	7.16	0.84	3.49	0.92
Positive_Control_159	0.34	1.47	0.68	1.16	0.47	0.62
Positive_Control_160	0.11	0.07	0.18	0.15	0.17	0.10
Positive_Control_161	1.66	0.48	0.70	4.69	1.48	0.44
Positive_Control_162	3.54	0.73	1.56	15.52	0.24	21.23
Positive_Control_163	0.89	0.51	5.53	1.39	1.58	1.35
Positive_Control_164	0.45	2.68	2.66	1.97	0.45	0.71
Positive_Control_165	1.60	0.95	0.51	1.88	1.31	0.55
Positive_Control_166	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_167	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_168	0.06	0.05	0.07	0.06	0.07	0.06
Positive_Control_169	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_170	0.06	0.05	0.07	0.07	0.07	0.06
Positive_Control_171	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_172	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_173	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_174	0.06	0.05	0.07	0.06	0.07	0.06
Positive_Control_175	0.06	0.05	0.07	0.06	0.07	0.07
Positive_Control_176	0.07	0.08	0.12	0.11	0.08	0.14
Positive_Control_177	0.06	0.05	0.07	0.06	0.07	0.05
Positive_Control_178	0.06	0.05	0.07	0.06	0.07	0.05
Positive_Control_179	0.06	0.06	0.08	0.07	0.08	0.06
Positive_Control_180	0.06	0.06	0.07	0.07	0.08	0.07
Positive_Control_181	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_182	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_183	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_184	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_185	0.05	0.05	0.07	0.06	0.07	0.05

Positive_Control_186	0.70	0.16	0.30	1.12	0.45	0.36
Positive_Control_187	0.11	0.07	0.12	0.22	1.42	0.07
Positive_Control_188	0.11	0.07	0.12	0.12	0.12	0.10
Positive_Control_189	0.09	0.21	0.11	0.21	0.41	0.23
Positive_Control_190	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_191	0.27	0.28	0.26	0.43	0.25	0.65
Positive_Control_192	2.23	1.69	0.48	1.57	0.75	0.30
Positive_Control_193	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_194	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_195	0.05	0.04	0.07	0.06	0.05	0.04
Positive_Control_196	0.17	0.09	0.51	0.19	0.14	0.13
Positive_Control_197	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_198	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_199	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_200	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_201	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_202	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_203	1.20	1.08	2.17	1.92	4.70	170.09
Positive_Control_204	0.05	0.04	0.07	0.06	0.04	0.04
Positive_Control_205	0.05	0.05	0.07	0.05	0.06	0.05
Positive_Control_206	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_207	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_208	0.10	0.08	0.50	0.12	0.09	0.12
Positive_Control_209	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_210	0.06	0.05	0.07	0.06	0.07	0.05
Positive_Control_211	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_212	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_213	0.06	0.06	0.08	0.07	0.09	0.08
Positive_Control_214	0.06	0.05	0.07	0.06	0.07	0.06
Positive_Control_215	0.06	0.05	0.07	0.06	0.08	0.07
Positive_Control_216	0.58	14.04	9.71	0.27	1.34	1.02
Positive_Control_217	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_218	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_219	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_220	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_221	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_222	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_223	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_224	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_225	0.08	0.07	0.13	0.10	0.10	0.08
Positive_Control_226	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_227	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_228	0.05	0.05	0.07	0.06	0.07	0.05
Positive_Control_229	0.05	0.05	0.07	0.06	0.06	0.05
Positive_Control_230	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_DAP_1_Cp	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_DAP_2_Cp	0.87	0.55	1.36	1.27	0.70	1.48

RT_Kit_Control_DAP_3_Cp	0.12	0.10	0.16	0.21	0.18	0.12
RT_Kit_Control_DAP_4_Cp	0.07	0.07	0.10	0.10	0.11	0.08
RT_Kit_Control_DAP_5_Cp	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_LYS_1_Cp	0.10	0.08	0.12	0.16	0.15	0.10
RT_Kit_Control_LYS_2_Cp	0.06	0.05	0.07	0.07	0.07	0.05
RT_Kit_Control_LYS_3_Cp	0.06	0.05	0.07	0.07	0.06	0.05
RT_Kit_Control_LYS_4_Cp	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_LYS_5_Cp	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_PHE_1_Cp	0.09	0.08	0.12	0.14	0.12	0.09
RT_Kit_Control_PHE_2_Cp	0.06	0.05	0.07	0.07	0.07	0.05
RT_Kit_Control_PHE_3_Cp	0.06	0.05	0.07	0.07	0.06	0.05
RT_Kit_Control_PHE_4_Cp	0.05	0.05	0.07	0.06	0.06	0.05
RT_Kit_Control_PHE_5_Cp	0.05	0.05	0.07	0.07	0.06	0.05

Slot "Ctrl":\$Sn

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
Blank	0.00	0.00	0.00	0.00	0.00	0.00
Buffer_Blank	0.00	0.00	0.00	0.00	0.00	0.00
CLFL_GridLandmark_Cp	164.75	166.35	165.96	163.15	141.90	159.81
CL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00	0.00
CL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_1_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_2_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_3_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_4_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_ControlLadder_5_Cp	0.00	0.00	0.00	0.00	0.00	0.00
FL_Fiducial_Cp	0.22	1.75	0.63	0.43	-0.28	-2.11
Hybridization_Control_1_Cp	87.08	80.24	71.69	80.87	80.48	85.32
Hybridization_Control_2_Cp	71.69	64.68	59.10	68.04	65.66	65.11
Hybridization_Control_3_Cp	87.12	83.70	78.01	83.62	81.37	82.72
ICP_FLOnly_Control_Cp	7.92	-0.38	-0.38	-0.87	12.73	8.49
IVT_Kit_Control_BIOB_1_Cp	91.47	87.97	77.43	88.49	88.04	80.47
IVT_Kit_Control_BIOB_2_Cp	92.90	82.59	81.03	92.36	83.03	80.86
IVT_Kit_Control_BIOB_3_Cp	82.04	79.03	69.66	79.14	80.77	82.74
IVT_Kit_Control_BIOB_4_Cp	92.69	82.63	75.85	82.60	82.26	88.30
IVT_Kit_Control_BIOB_5_Cp	92.91	92.03	79.17	82.35	80.76	93.21
IVT_Kit_Control_BIOC_1_Cp	61.53	64.14	58.26	68.53	65.76	58.10
IVT_Kit_Control_BIOC_2_Cp	65.85	68.19	52.72	66.88	60.56	52.75
IVT_Kit_Control_BIOC_3_Cp	62.09	61.08	56.58	61.21	54.03	53.62
IVT_Kit_Control_BIOC_4_Cp	64.99	64.87	54.36	62.11	61.41	58.39
IVT_Kit_Control_BIOC_5_Cp	63.03	59.21	62.60	58.29	63.99	63.82
IVT_Kit_Control_BIOD_1_Cp	61.05	57.65	58.77	63.65	69.75	59.98
IVT_Kit_Control_BIOD_2_Cp	69.06	59.38	57.91	75.09	62.09	60.77
IVT_Kit_Control_BIOD_3_Cp	62.57	53.42	49.99	64.15	61.37	49.52

IVT_Kit_Control_BIOD_4_Cp	53.89	48.47	48.55	61.67	56.23	53.94
IVT_Kit_Control_BIOD_5_Cp	64.34	55.39	54.53	60.86	59.39	54.90
Manufacturing_Test_Control_1	1.33	-1.30	1.54	-2.31	-0.98	1.35
Manufacturing_Test_Control_10	-3.60	-0.45	-1.79	0.50	-0.23	-0.16
Manufacturing_Test_Control_11	0.02	-1.35	0.86	2.19	0.92	-0.59
Manufacturing_Test_Control_12	-0.40	5.09	-0.08	0.00	1.53	0.34
Manufacturing_Test_Control_13	0.84	-3.22	0.19	-1.21	-1.98	0.63
Manufacturing_Test_Control_14	3.61	5.41	0.41	8.42	0.23	2.46
Manufacturing_Test_Control_15	0.48	0.30	0.56	1.23	-1.20	0.78
Manufacturing_Test_Control_16	-0.63	0.05	2.67	0.86	0.58	0.49
Manufacturing_Test_Control_17	1.06	1.32	-1.48	2.39	-1.02	-0.78
Manufacturing_Test_Control_18	-0.66	-3.24	1.10	0.66	1.05	0.72
Manufacturing_Test_Control_19	2.23	6.54	-1.98	0.64	-1.27	0.46
Manufacturing_Test_Control_2	7.68	6.75	2.15	5.41	3.59	7.12
Manufacturing_Test_Control_20	1.47	-0.70	3.55	-0.73	-1.29	2.12
Manufacturing_Test_Control_21	-0.34	-1.18	-0.56	-0.23	-0.16	-0.74
Manufacturing_Test_Control_22	0.79	1.00	0.45	-1.00	0.01	1.24
Manufacturing_Test_Control_23	1.08	-1.31	-1.03	-1.45	-0.06	0.71
Manufacturing_Test_Control_24	17.83	20.88	20.17	15.82	18.73	23.62
Manufacturing_Test_Control_25	1.39	3.97	0.95	3.24	2.33	1.37
Manufacturing_Test_Control_26	7.27	13.26	3.00	10.57	12.88	9.58
Manufacturing_Test_Control_27	54.33	47.37	37.17	41.74	54.73	50.95
Manufacturing_Test_Control_28	1.26	0.60	-0.25	0.25	0.10	-0.62
Manufacturing_Test_Control_3	-0.76	-3.08	-0.07	1.16	2.71	4.75
Manufacturing_Test_Control_4	-1.23	-2.14	0.59	-1.80	-0.64	-1.16
Manufacturing_Test_Control_5	-1.09	-1.04	-0.89	-1.13	-1.03	-1.29
Manufacturing_Test_Control_6	-1.04	-1.06	-1.23	-0.80	-1.28	0.07
Manufacturing_Test_Control_7	1.98	-0.71	2.07	0.64	-0.80	2.13
Manufacturing_Test_Control_8	-0.14	1.07	1.48	3.77	0.64	-1.91
Manufacturing_Test_Control_9	-0.77	-0.82	-1.16	0.63	0.14	-0.64
Negative_Control_10_Cp	1.99	1.56	-0.13	1.34	0.03	1.00
Negative_Control_11_Cp	-0.82	-0.49	1.25	0.55	1.24	-0.38
Negative_Control_12_Cp	2.74	5.12	2.47	3.45	4.97	2.71
Negative_Control_13_Cp	0.45	-0.43	1.48	0.69	0.25	-0.58
Negative_Control_14_Cp	1.88	3.05	4.07	0.86	0.27	1.85
Negative_Control_15_Cp	0.51	2.34	1.46	0.02	2.95	0.74
Negative_Control_16_Cp	-0.05	0.52	-1.23	1.29	0.49	0.48
Negative_Control_17_Cp	-0.87	0.28	-0.86	-0.70	-0.58	-1.38
Negative_Control_18_Cp	-0.37	1.07	-0.07	0.28	-0.63	0.17
Negative_Control_19_Cp	-0.01	0.03	-0.28	-1.38	0.72	-0.23
Negative_Control_1_Cp	1.43	0.41	0.38	0.06	-0.76	0.08
Negative_Control_20_Cp	1.26	0.50	0.20	-0.04	2.16	0.92
Negative_Control_21_Cp	0.66	0.22	0.51	0.13	1.25	-0.10
Negative_Control_22_Cp	-0.64	-0.76	-0.25	-0.24	0.09	0.23
Negative_Control_23_Cp	-0.13	-0.57	-0.78	-0.46	0.32	-0.03
Negative_Control_24_Cp	-0.61	-0.57	-0.61	-0.43	0.88	3.03
Negative_Control_25_Cp	0.76	-0.26	0.23	-0.54	-0.23	0.59

Negative_Control_26_Cp	-0.42	-1.17	-0.73	-0.39	0.33	-0.56
Negative_Control_27_Cp	-0.42	-0.79	0.16	-0.40	-0.09	-1.42
Negative_Control_28_Cp	0.40	0.45	0.58	0.17	-1.10	1.84
Negative_Control_29_Cp	0.18	-0.69	-0.81	-0.89	0.51	-1.11
Negative_Control_2_Cp	1.64	-0.40	-0.44	-1.09	2.49	2.52
Negative_Control_30_Cp	0.64	0.42	-0.24	-0.50	-0.29	1.62
Negative_Control_31_Cp	-1.05	1.00	1.37	0.83	-0.23	2.06
Negative_Control_32_Cp	-1.00	-0.98	-1.43	1.24	1.38	-1.06
Negative_Control_33_Cp	-0.38	0.64	0.01	0.29	-0.23	-0.28
Negative_Control_34_Cp	-0.13	-0.88	1.61	-0.64	0.49	-0.84
Negative_Control_35_Cp	1.23	0.51	-0.68	-0.03	-0.04	-0.34
Negative_Control_36_Cp	-0.99	-0.23	-1.10	-0.15	0.09	0.41
Negative_Control_37_Cp	2.73	3.89	3.52	0.92	0.36	1.34
Negative_Control_38_Cp	0.05	0.79	0.23	1.34	0.55	0.62
Negative_Control_39_Cp	-0.27	-1.03	-0.49	-1.20	-0.02	-0.38
Negative_Control_3_Cp	-0.91	-0.08	-0.41	-0.66	0.47	-0.16
Negative_Control_40_Cp	-0.17	-0.85	-0.81	0.23	0.57	-0.28
Negative_Control_41_Cp	0.62	-0.35	0.02	-0.31	0.05	-0.72
Negative_Control_42_Cp	0.85	1.73	0.67	1.43	-0.43	-0.15
Negative_Control_43_Cp	1.55	-0.75	-1.76	0.34	0.23	0.15
Negative_Control_44_Cp	0.26	0.51	-0.93	0.16	-0.24	-1.07
Negative_Control_45_Cp	1.04	0.25	0.59	-1.10	-0.04	0.15
Negative_Control_46_Cp	0.50	0.40	-0.86	-0.18	0.75	-0.18
Negative_Control_47_Cp	-0.13	0.27	-0.15	0.44	-1.64	-1.26
Negative_Control_48_Cp	1.02	0.21	2.04	-0.45	1.06	0.48
Negative_Control_49_Cp	0.43	1.26	-0.45	0.55	-0.37	-0.02
Negative_Control_4_Cp	-0.80	-0.44	-0.20	-0.43	-1.34	0.14
Negative_Control_50_Cp	0.18	-0.35	-1.37	0.69	-0.77	1.31
Negative_Control_51_Cp	-0.49	0.80	-0.70	1.29	-0.76	-0.22
Negative_Control_52_Cp	3.15	-0.35	-1.20	-0.51	0.13	-0.08
Negative_Control_53_Cp	0.69	-0.12	-0.46	0.67	1.45	0.42
Negative_Control_54_Cp	0.32	0.05	0.56	0.88	1.52	-0.29
Negative_Control_55_Cp	0.10	1.40	-0.46	1.30	-0.16	0.62
Negative_Control_56_Cp	-0.69	-0.18	-0.73	0.06	-1.01	-0.90
Negative_Control_57_Cp	-1.05	0.97	-0.40	2.07	1.11	1.31
Negative_Control_58_Cp	-0.73	-1.25	-0.18	0.33	0.67	-0.38
Negative_Control_59_Cp	1.28	-0.04	-0.36	-0.22	-0.96	-0.68
Negative_Control_5_Cp	0.02	-0.92	1.23	-0.42	1.34	0.12
Negative_Control_60_Cp	-0.68	0.55	2.43	-0.36	-0.95	0.15
Negative_Control_61_Cp	-0.37	0.45	0.89	-0.69	0.27	0.05
Negative_Control_62_Cp	1.56	2.50	1.39	0.95	1.76	1.17
Negative_Control_63_Cp	-0.18	0.81	-0.50	-0.24	-1.28	-0.89
Negative_Control_64_Cp	-0.14	-0.84	0.72	-0.90	-0.40	-0.64
Negative_Control_65_Cp	0.12	-0.60	0.51	-0.84	-0.09	0.15
Negative_Control_66_Cp	-1.04	-0.34	-0.55	-0.26	-0.03	-0.43
Negative_Control_67_Cp	0.97	3.04	0.78	4.01	4.51	2.69
Negative_Control_68_Cp	2.68	3.56	2.88	3.86	2.36	4.48

Negative_Control_69_Cp	-0.04	-0.09	-0.09	2.76	0.58	-0.29
Negative_Control_6_Cp	-3.22	0.32	0.87	-0.10	0.90	1.39
Negative_Control_70_Cp	0.09	0.19	1.17	0.87	0.69	0.47
Negative_Control_71_Cp	-1.69	0.74	1.60	1.12	-0.08	-1.41
Negative_Control_72_Cp	-0.01	-0.24	-0.87	-0.12	0.56	-0.06
Negative_Control_73_Cp	1.13	-0.19	-0.75	-0.26	-0.24	-1.28
Negative_Control_74_Cp	-0.54	0.19	0.18	-1.22	0.05	-0.21
Negative_Control_75_Cp	2.29	-0.39	-1.03	0.96	4.10	2.52
Negative_Control_76_Cp	-1.22	-0.45	-0.52	0.02	0.06	0.02
Negative_Control_77_Cp	0.88	-0.68	0.80	-0.35	0.49	0.79
Negative_Control_78_Cp	-1.69	-0.56	-0.30	-1.29	-0.57	-1.02
Negative_Control_79_Cp	1.16	0.44	-1.16	0.96	0.11	-0.68
Negative_Control_7_Cp	0.07	-1.06	0.14	-0.36	-0.24	1.39
Negative_Control_80_Cp	-0.95	-1.29	0.18	-0.05	-0.20	-1.38
Negative_Control_81_Cp	0.14	1.12	1.26	0.88	0.48	-0.21
Negative_Control_82_Cp	-0.43	-0.83	-0.28	1.44	-0.96	-0.98
Negative_Control_83_Cp	1.92	-0.31	1.83	-0.55	0.75	-0.32
Negative_Control_84_Cp	-0.10	-0.22	-0.36	-0.62	-0.23	-0.13
Negative_Control_85_Cp	1.70	4.76	1.47	4.61	2.56	4.86
Negative_Control_86_Cp	4.83	1.66	3.67	0.11	1.37	1.93
Negative_Control_87_Cp	0.61	0.07	0.21	0.83	0.14	0.01
Negative_Control_88_Cp	1.98	2.40	-0.86	0.92	0.90	0.95
Negative_Control_89_Cp	-0.16	0.67	-0.28	0.90	0.06	-0.28
Negative_Control_8_Cp	-0.46	1.14	0.88	2.45	0.48	-1.55
Negative_Control_90_Cp	-1.16	0.92	-0.03	-0.48	-0.14	0.94
Negative_Control_91_Cp	0.65	-0.67	-0.32	-0.03	0.23	0.89
Negative_Control_92_Cp	0.00	-0.36	0.09	-0.47	0.45	0.11
Negative_Control_93_Cp	-0.93	-0.03	-0.31	1.00	0.01	0.61
Negative_Control_94_Cp	-1.23	0.25	0.62	-0.56	0.18	0.02
Negative_Control_95_Cp	-0.26	1.59	-0.12	1.80	0.50	-0.02
Negative_Control_96_Cp	-0.08	-1.22	-1.77	-0.73	-0.54	1.20
Negative_Control_97_Cp	-0.10	0.98	1.01	0.07	0.67	1.18
Negative_Control_98_Cp	5.58	2.70	4.98	2.43	1.64	3.53
Negative_Control_9_Cp	0.04	-0.29	-1.35	0.53	-1.03	-1.00
Positive_Control_101	-1.59	1.86	0.83	-0.38	0.07	0.17
Positive_Control_102	-1.10	-0.18	1.73	0.95	0.65	3.71
Positive_Control_103	-0.86	0.70	0.58	0.48	-3.21	-2.62
Positive_Control_104	69.09	58.94	41.48	41.24	57.37	56.06
Positive_Control_105	1.62	5.08	1.78	3.49	6.59	3.49
Positive_Control_106	0.30	-0.60	-0.48	-1.71	-1.68	-0.73
Positive_Control_107	26.78	28.61	24.26	29.82	31.34	47.39
Positive_Control_108	-1.75	0.21	0.83	-1.61	4.14	4.23
Positive_Control_109	0.42	2.49	-0.46	0.62	0.72	-0.47
Positive_Control_110	2.71	8.20	4.62	4.38	3.53	7.96
Positive_Control_111	-1.57	1.93	-1.11	0.37	4.07	0.53
Positive_Control_112	0.40	1.27	-1.58	-0.09	0.26	1.36
Positive_Control_113	76.84	92.69	60.74	69.95	67.50	73.05

Positive_Control_114	0.15	0.15	1.37	-0.39	0.24	5.06
Positive_Control_115	-0.95	1.58	-0.05	-1.18	-0.56	0.90
Positive_Control_116	82.92	72.82	67.30	86.41	65.11	75.99
Positive_Control_117	93.18	64.33	48.16	55.32	78.33	73.53
Positive_Control_118	114.80	109.78	105.38	108.49	97.36	106.52
Positive_Control_119	67.90	69.99	63.70	115.50	54.81	60.30
Positive_Control_120	67.93	78.85	50.69	60.26	63.43	49.30
Positive_Control_121	110.63	86.73	97.79	121.81	101.26	94.24
Positive_Control_122	84.78	85.79	75.19	99.36	63.35	73.96
Positive_Control_123	89.26	70.38	89.51	74.51	60.67	79.75
Positive_Control_124	94.28	81.45	63.56	105.85	69.13	86.94
Positive_Control_125	102.05	75.77	85.01	130.43	111.79	87.33
Positive_Control_126	64.94	103.11	71.68	121.33	63.89	68.87
Positive_Control_127	102.15	96.11	95.44	108.79	61.79	82.22
Positive_Control_128	54.77	79.87	52.89	75.39	57.11	67.56
Positive_Control_129	85.39	70.66	66.05	58.70	72.42	98.57
Positive_Control_130	78.25	70.92	55.57	64.91	75.56	57.01
Positive_Control_131	1.09	1.60	-0.01	1.72	1.92	5.96
Positive_Control_132	0.37	1.94	-1.12	0.51	1.12	0.48
Positive_Control_133	-0.81	1.13	2.08	2.57	-0.13	0.82
Positive_Control_134	75.15	94.27	59.67	72.13	63.25	49.74
Positive_Control_135	4.38	7.67	1.36	2.64	1.89	7.58
Positive_Control_136	1.22	1.01	-0.60	-3.58	-0.59	-0.56
Positive_Control_137	81.57	82.33	81.34	60.24	75.08	66.29
Positive_Control_138	62.19	56.93	59.83	66.29	59.15	69.29
Positive_Control_139	-0.26	-0.81	0.10	-3.30	-0.20	0.63
Positive_Control_140	117.40	91.83	82.84	83.15	82.90	76.30
Positive_Control_141	66.84	74.03	57.73	86.19	64.75	66.53
Positive_Control_142	51.01	82.82	64.01	44.48	54.80	74.26
Positive_Control_143	91.89	95.72	98.60	74.32	105.06	88.71
Positive_Control_144	93.15	76.03	62.68	94.49	75.65	85.41
Positive_Control_145	34.88	82.32	59.22	81.18	43.05	38.93
Positive_Control_146	13.81	7.61	2.57	4.64	9.95	7.19
Positive_Control_147	3.93	0.81	4.43	-0.61	2.01	0.41
Positive_Control_148	2.17	6.12	3.34	2.69	7.51	6.87
Positive_Control_150	87.92	73.76	83.57	83.96	78.70	72.78
Positive_Control_151	108.71	67.58	98.58	61.38	65.18	72.22
Positive_Control_152	-2.56	2.53	0.90	1.00	1.73	-0.27
Positive_Control_153	6.00	13.18	4.46	6.97	6.85	11.40
Positive_Control_154	48.40	28.84	21.77	19.60	21.39	40.87
Positive_Control_155	-1.37	-1.08	-1.46	-0.59	0.24	-0.38
Positive_Control_156	1.84	-1.28	-2.78	1.46	-0.42	0.99
Positive_Control_157	53.69	81.42	56.09	39.90	48.08	65.69
Positive_Control_158	1.87	0.20	0.14	-1.20	-0.29	-1.09
Positive_Control_159	2.99	-0.68	-1.47	-0.86	2.14	-1.62
Positive_Control_160	10.21	21.83	6.00	6.92	6.48	12.10
Positive_Control_161	0.60	-2.09	-1.45	-0.21	-0.68	2.27

Positive_Control_162	0.28	-1.38	0.64	-0.06	-4.26	-0.05
Positive_Control_163	1.13	1.98	-0.18	0.72	-0.63	0.74
Positive_Control_164	-2.24	-0.37	-0.38	0.51	-2.25	-1.41
Positive_Control_165	-0.62	1.06	-1.97	0.53	0.76	1.82
Positive_Control_166	117.87	94.83	87.31	87.53	88.33	79.12
Positive_Control_167	65.82	79.05	65.95	69.59	65.47	79.84
Positive_Control_168	44.94	56.75	42.62	50.20	54.18	37.01
Positive_Control_169	98.10	73.19	77.57	70.92	71.47	79.35
Positive_Control_170	49.41	44.63	37.98	26.76	28.40	37.00
Positive_Control_171	65.72	81.48	41.82	60.99	58.63	52.69
Positive_Control_172	76.45	95.06	82.56	68.45	72.48	71.41
Positive_Control_173	74.50	80.06	75.81	80.22	61.88	77.91
Positive_Control_174	36.55	64.71	42.40	49.77	47.15	38.40
Positive_Control_175	38.54	54.72	44.52	31.96	30.94	18.41
Positive_Control_176	23.83	15.69	10.26	10.35	19.93	7.79
Positive_Control_177	42.81	70.19	51.45	44.86	49.98	49.95
Positive_Control_178	52.74	62.80	67.32	30.56	48.68	48.20
Positive_Control_179	31.84	36.20	22.11	21.73	22.42	45.19
Positive_Control_180	40.98	29.86	41.69	24.08	22.17	20.96
Positive_Control_181	62.98	70.16	52.53	52.05	69.38	61.33
Positive_Control_182	87.04	86.53	69.42	88.06	86.26	74.37
Positive_Control_183	88.05	95.49	65.19	72.49	80.51	84.33
Positive_Control_184	83.73	67.54	74.22	71.96	42.65	74.08
Positive_Control_185	77.36	73.69	60.82	76.25	65.78	62.25
Positive_Control_186	1.43	6.78	3.38	0.89	2.25	2.81
Positive_Control_187	10.92	21.26	9.85	4.75	-0.71	22.38
Positive_Control_188	9.84	20.91	10.72	9.19	10.27	11.04
Positive_Control_189	12.83	4.94	12.18	4.81	2.50	4.46
Positive_Control_190	87.45	81.67	69.93	62.58	56.25	80.66
Positive_Control_191	3.83	3.65	4.03	2.36	4.14	1.53
Positive_Control_192	-0.45	0.59	-2.09	-0.64	-1.34	-3.40
Positive_Control_193	72.63	90.88	64.76	88.06	64.40	64.73
Positive_Control_194	67.64	98.39	80.96	91.81	53.99	87.00
Positive_Control_195	75.25	83.04	64.35	76.21	65.81	58.49
Positive_Control_196	5.96	12.94	1.98	5.68	7.69	8.23
Positive_Control_197	71.46	71.52	57.65	63.09	72.52	79.29
Positive_Control_198	109.23	107.25	77.27	119.96	89.89	89.63
Positive_Control_199	93.81	92.15	52.61	96.34	76.72	77.85
Positive_Control_200	89.34	95.18	105.61	94.81	104.42	82.47
Positive_Control_201	68.17	79.18	80.54	96.48	71.18	87.84
Positive_Control_202	89.28	99.01	87.71	102.88	103.59	87.01
Positive_Control_203	-0.83	-0.93	0.46	0.52	0.21	0.01
Positive_Control_204	93.57	102.44	91.92	93.58	90.53	103.34
Positive_Control_205	78.49	113.03	95.14	104.09	120.70	106.63
Positive_Control_206	64.91	77.87	60.04	73.06	74.45	65.08
Positive_Control_207	97.59	93.90	86.19	73.41	89.70	92.34
Positive_Control_208	11.32	17.03	2.03	9.42	14.42	8.87

Positive_Control_209	68.98	90.64	74.79	66.89	77.99	77.35
Positive_Control_210	47.62	59.50	48.05	35.39	53.26	48.07
Positive_Control_211	88.21	84.77	92.02	68.65	81.80	96.96
Positive_Control_212	61.14	78.34	73.99	77.60	46.68	66.32
Positive_Control_213	28.91	32.88	31.38	23.59	16.58	17.31
Positive_Control_214	44.35	64.65	35.70	33.64	31.77	35.51
Positive_Control_215	31.84	44.62	39.70	27.97	21.05	24.23
Positive_Control_216	-1.74	-0.07	-0.10	3.78	-0.75	-0.98
Positive_Control_217	83.20	86.76	67.70	60.83	86.43	90.28
Positive_Control_218	87.89	86.51	63.84	81.76	84.30	78.90
Positive_Control_219	85.59	56.29	72.11	67.82	80.98	74.44
Positive_Control_220	91.09	112.45	86.57	71.70	87.55	102.00
Positive_Control_221	86.88	85.90	89.39	62.61	64.86	56.68
Positive_Control_222	88.08	76.71	95.53	77.57	97.55	98.17
Positive_Control_223	71.08	83.18	91.63	89.71	74.18	66.10
Positive_Control_224	95.30	92.69	81.66	81.50	83.28	70.96
Positive_Control_225	15.96	21.02	9.21	12.16	12.24	16.86
Positive_Control_226	88.86	75.14	72.89	48.24	63.11	62.47
Positive_Control_227	78.84	61.53	54.56	50.10	57.33	67.49
Positive_Control_228	68.00	71.92	59.96	54.65	66.49	63.96
Positive_Control_229	76.78	96.61	71.92	67.17	81.96	64.65
Positive_Control_230	100.68	81.41	59.76	75.46	76.39	55.91
RT_Kit_Control_DAP_1_Cp	70.91	67.57	56.29	69.76	64.54	68.02
RT_Kit_Control_DAP_2_Cp	3.25	2.15	1.59	1.65	2.83	1.08
RT_Kit_Control_DAP_3_Cp	9.93	12.71	7.48	5.83	6.99	11.59
RT_Kit_Control_DAP_4_Cp	20.03	20.95	14.48	14.12	13.20	16.00
RT_Kit_Control_DAP_5_Cp	75.17	73.60	64.01	61.04	51.39	67.91
RT_Kit_Control_LYS_1_Cp	19.26	15.33	11.36	7.05	13.75	17.13
RT_Kit_Control_LYS_2_Cp	31.45	44.45	34.23	24.80	26.16	31.15
RT_Kit_Control_LYS_3_Cp	41.68	41.88	37.59	32.82	34.84	37.57
RT_Kit_Control_LYS_4_Cp	48.61	51.53	49.30	45.56	44.70	45.75
RT_Kit_Control_LYS_5_Cp	58.31	59.71	59.42	63.59	56.49	51.83
RT_Kit_Control_PHE_1_Cp	15.45	16.73	10.93	8.63	11.76	13.62
RT_Kit_Control_PHE_2_Cp	38.07	42.15	36.12	35.93	29.92	35.27
RT_Kit_Control_PHE_3_Cp	42.60	42.65	39.24	30.89	31.74	38.37
RT_Kit_Control_PHE_4_Cp	50.22	57.85	46.13	44.92	44.80	46.44
RT_Kit_Control_PHE_5_Cp	42.84	43.36	38.84	28.68	31.77	35.47

Slot "Ctrl":\$Flags

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
Blank	4	4	5	4	4	16
Buffer_Blank	15	11	15	11	13	16
CLFL_GridLandmark_Cp	15	11	15	11	13	16
CL_ControlLadder_1_Cp	15	11	15	11	13	16
CL_ControlLadder_2_Cp	1	1	1	1	1	1
CL_ControlLadder_3_Cp	15	11	15	11	13	16
CL_ControlLadder_4_Cp	15	5	6	5	5	16

CL_ControlLadder_5_Cp	5	5	6	5	5	5
FL_ControlLadder_1_Cp	1	1	1	1	1	1
FL_ControlLadder_2_Cp	1	1	1	1	1	1
FL_ControlLadder_3_Cp	1	1	1	1	1	1
FL_ControlLadder_4_Cp	15	11	6	11	13	16
FL_ControlLadder_5_Cp	5	5	6	5	5	5
FL_Fiducial_Cp	15	11	15	11	13	16
Hybridization_Control_1_Cp	15	11	15	11	13	16
Hybridization_Control_2_Cp	15	11	15	11	13	16
Hybridization_Control_3_Cp	15	11	15	11	13	16
ICP_FLOnly_Control_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOB_1_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOB_2_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOB_3_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOB_4_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOB_5_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOC_1_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOC_2_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOC_3_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOC_4_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOC_5_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOD_1_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOD_2_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOD_3_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOD_4_Cp	15	11	15	11	13	16
IVT_Kit_Control_BIOD_5_Cp	15	11	15	11	13	16
Manufacturing_Test_Control_1	1	1	1	1	1	1
Manufacturing_Test_Control_10	1	1	1	1	1	1
Manufacturing_Test_Control_11	1	1	1	1	1	1
Manufacturing_Test_Control_12	1	1	1	1	1	1
Manufacturing_Test_Control_13	1	1	1	1	1	1
Manufacturing_Test_Control_14	1	1	1	9	1	1
Manufacturing_Test_Control_15	1	1	1	1	1	1
Manufacturing_Test_Control_16	1	1	1	1	1	1
Manufacturing_Test_Control_17	1	1	1	1	1	1
Manufacturing_Test_Control_18	1	1	1	1	1	1
Manufacturing_Test_Control_19	1	1	1	1	1	1
Manufacturing_Test_Control_2	1	1	1	1	1	1
Manufacturing_Test_Control_20	1	1	1	1	1	1
Manufacturing_Test_Control_21	15	11	15	11	13	16
Manufacturing_Test_Control_22	15	11	15	11	13	16
Manufacturing_Test_Control_23	15	11	15	11	13	16
Manufacturing_Test_Control_24	15	11	15	11	13	16
Manufacturing_Test_Control_25	15	11	15	11	13	16
Manufacturing_Test_Control_26	15	11	15	11	13	16
Manufacturing_Test_Control_27	15	11	15	11	13	16
Manufacturing_Test_Control_28	15	11	15	11	13	16

Manufacturing_Test_Control_3	1	1	1	1	1	1
Manufacturing_Test_Control_4	1	1	1	1	1	1
Manufacturing_Test_Control_5	1	1	1	1	1	1
Manufacturing_Test_Control_6	1	1	1	1	1	1
Manufacturing_Test_Control_7	1	1	1	1	1	1
Manufacturing_Test_Control_8	1	1	1	1	1	1
Manufacturing_Test_Control_9	1	1	1	1	1	1
Negative_Control_10_Cp	15	11	15	11	13	16
Negative_Control_11_Cp	15	11	15	11	13	16
Negative_Control_12_Cp	15	11	15	11	13	16
Negative_Control_13_Cp	15	11	15	11	13	16
Negative_Control_14_Cp	15	11	15	11	13	16
Negative_Control_15_Cp	15	11	15	11	13	16
Negative_Control_16_Cp	15	11	15	11	13	16
Negative_Control_17_Cp	15	11	15	11	13	16
Negative_Control_18_Cp	15	11	15	11	13	16
Negative_Control_19_Cp	15	11	15	11	13	16
Negative_Control_1_Cp	15	11	15	11	13	16
Negative_Control_20_Cp	15	11	15	11	13	16
Negative_Control_21_Cp	15	11	15	11	13	16
Negative_Control_22_Cp	15	11	15	11	13	16
Negative_Control_23_Cp	15	11	15	11	13	16
Negative_Control_24_Cp	15	11	15	11	13	16
Negative_Control_25_Cp	15	11	15	11	13	16
Negative_Control_26_Cp	15	11	15	11	13	16
Negative_Control_27_Cp	15	11	15	11	13	16
Negative_Control_28_Cp	15	11	15	11	13	16
Negative_Control_29_Cp	15	11	15	11	13	16
Negative_Control_2_Cp	15	11	15	11	13	16
Negative_Control_30_Cp	15	11	15	11	13	16
Negative_Control_31_Cp	15	11	15	11	13	16
Negative_Control_32_Cp	15	11	15	11	13	16
Negative_Control_33_Cp	15	11	15	11	13	16
Negative_Control_34_Cp	15	11	15	11	13	16
Negative_Control_35_Cp	15	11	15	11	13	16
Negative_Control_36_Cp	15	11	15	11	13	16
Negative_Control_37_Cp	15	11	15	11	13	16
Negative_Control_38_Cp	15	11	15	11	13	16
Negative_Control_39_Cp	15	11	15	11	13	16
Negative_Control_3_Cp	15	11	15	11	13	16
Negative_Control_40_Cp	15	11	15	11	13	16
Negative_Control_41_Cp	15	11	15	11	13	16
Negative_Control_42_Cp	15	11	15	11	13	16
Negative_Control_43_Cp	15	11	15	11	13	16
Negative_Control_44_Cp	15	11	15	11	13	16
Negative_Control_45_Cp	15	11	15	11	13	16
Negative_Control_46_Cp	15	11	15	11	13	16

Negative_Control_47_Cp	15	11	15	11	13	16
Negative_Control_48_Cp	15	11	15	11	13	16
Negative_Control_49_Cp	15	11	15	11	13	16
Negative_Control_4_Cp	15	11	15	11	13	16
Negative_Control_50_Cp	15	11	15	11	13	16
Negative_Control_51_Cp	15	11	15	11	13	16
Negative_Control_52_Cp	15	11	15	11	13	16
Negative_Control_53_Cp	15	11	15	11	13	16
Negative_Control_54_Cp	15	11	15	11	13	16
Negative_Control_55_Cp	15	11	15	11	13	16
Negative_Control_56_Cp	15	11	15	11	13	16
Negative_Control_57_Cp	15	11	15	11	13	16
Negative_Control_58_Cp	15	11	15	11	13	16
Negative_Control_59_Cp	15	11	15	11	13	16
Negative_Control_5_Cp	15	11	15	11	13	16
Negative_Control_60_Cp	15	11	15	11	13	16
Negative_Control_61_Cp	15	11	15	11	13	16
Negative_Control_62_Cp	15	11	15	11	13	16
Negative_Control_63_Cp	15	11	15	11	13	16
Negative_Control_64_Cp	15	11	15	11	13	16
Negative_Control_65_Cp	15	11	15	11	13	16
Negative_Control_66_Cp	15	11	15	11	13	16
Negative_Control_67_Cp	15	11	15	11	13	16
Negative_Control_68_Cp	15	11	15	11	13	16
Negative_Control_69_Cp	15	11	15	11	13	16
Negative_Control_6_Cp	15	11	15	11	13	16
Negative_Control_70_Cp	15	11	15	11	13	16
Negative_Control_71_Cp	15	11	15	11	13	16
Negative_Control_72_Cp	15	11	15	11	13	16
Negative_Control_73_Cp	15	11	15	11	13	16
Negative_Control_74_Cp	15	11	15	11	13	16
Negative_Control_75_Cp	15	11	15	11	13	16
Negative_Control_76_Cp	15	11	15	11	13	16
Negative_Control_77_Cp	15	11	15	11	13	16
Negative_Control_78_Cp	15	11	15	11	13	16
Negative_Control_79_Cp	15	11	15	11	13	16
Negative_Control_7_Cp	15	11	15	11	13	16
Negative_Control_80_Cp	15	11	15	11	13	16
Negative_Control_81_Cp	15	11	15	11	13	16
Negative_Control_82_Cp	15	11	15	11	13	16
Negative_Control_83_Cp	15	11	15	11	13	16
Negative_Control_84_Cp	15	11	15	11	13	16
Negative_Control_85_Cp	15	11	15	11	13	16
Negative_Control_86_Cp	15	11	15	11	13	16
Negative_Control_87_Cp	15	11	15	11	13	16
Negative_Control_88_Cp	15	11	15	11	13	16
Negative_Control_89_Cp	15	11	15	11	13	16

Negative_Control_8_Cp	15	11	15	11	13	16
Negative_Control_90_Cp	15	11	15	11	13	16
Negative_Control_91_Cp	15	11	15	11	13	16
Negative_Control_92_Cp	15	11	15	11	13	16
Negative_Control_93_Cp	15	11	15	11	13	16
Negative_Control_94_Cp	15	11	15	11	13	16
Negative_Control_95_Cp	15	11	15	11	13	16
Negative_Control_96_Cp	15	11	15	11	13	16
Negative_Control_97_Cp	15	11	15	11	13	16
Negative_Control_98_Cp	15	11	15	11	13	16
Negative_Control_9_Cp	15	11	15	11	13	16
Positive_Control_101	1	1	1	1	1	1
Positive_Control_102	1	1	1	1	1	1
Positive_Control_103	1	1	1	1	1	1
Positive_Control_104	1	9	1	1	1	1
Positive_Control_105	1	9	1	1	1	1
Positive_Control_106	1	1	1	1	1	1
Positive_Control_107	1	1	1	1	1	1
Positive_Control_108	1	1	1	1	1	1
Positive_Control_109	1	1	1	1	1	1
Positive_Control_110	1	1	1	1	1	1
Positive_Control_111	1	1	1	1	11	1
Positive_Control_112	1	1	1	1	1	1
Positive_Control_113	1	1	1	1	1	1
Positive_Control_114	1	1	1	1	1	1
Positive_Control_115	1	1	1	1	1	1
Positive_Control_116	1	1	1	1	1	1
Positive_Control_117	1	1	1	1	1	1
Positive_Control_118	1	1	1	1	1	1
Positive_Control_119	1	1	1	1	1	1
Positive_Control_120	1	1	1	1	1	1
Positive_Control_121	1	1	1	1	1	1
Positive_Control_122	1	1	1	1	1	1
Positive_Control_123	1	1	1	1	1	1
Positive_Control_124	1	1	1	1	1	1
Positive_Control_125	1	1	1	1	10	1
Positive_Control_126	1	1	1	1	10	1
Positive_Control_127	12	8	1	8	10	13
Positive_Control_128	1	1	1	1	1	1
Positive_Control_129	1	1	1	1	1	1
Positive_Control_130	1	1	1	1	1	1
Positive_Control_131	1	1	1	1	1	1
Positive_Control_132	1	1	1	1	1	1
Positive_Control_133	1	1	1	1	1	1
Positive_Control_134	1	1	1	1	1	1
Positive_Control_135	1	1	1	1	1	1
Positive_Control_136	1	1	1	1	1	1

Positive_Control_137	1	1	1	1	1	1
Positive_Control_138	1	1	1	1	1	1
Positive_Control_139	1	1	1	1	1	1
Positive_Control_140	1	1	1	1	1	1
Positive_Control_141	1	1	1	1	1	1
Positive_Control_142	1	1	1	1	1	1
Positive_Control_143	1	1	1	1	1	1
Positive_Control_144	1	1	1	1	1	1
Positive_Control_145	1	1	1	1	1	1
Positive_Control_146	1	1	1	1	1	1
Positive_Control_147	1	1	1	1	1	1
Positive_Control_148	1	1	1	1	1	1
Positive_Control_150	1	1	1	1	1	1
Positive_Control_151	1	1	1	1	1	1
Positive_Control_152	1	1	1	1	1	1
Positive_Control_153	1	1	1	1	1	1
Positive_Control_154	1	1	1	1	1	1
Positive_Control_155	1	1	1	1	1	1
Positive_Control_156	1	1	1	1	1	1
Positive_Control_157	1	1	1	1	1	1
Positive_Control_158	1	1	1	1	1	1
Positive_Control_159	1	1	1	1	1	1
Positive_Control_160	1	1	1	1	1	1
Positive_Control_161	1	1	1	1	1	1
Positive_Control_162	1	1	1	1	1	1
Positive_Control_163	1	1	1	1	1	1
Positive_Control_164	1	1	1	1	1	1
Positive_Control_165	1	1	1	1	1	1
Positive_Control_166	1	1	1	1	1	1
Positive_Control_167	1	1	1	1	1	1
Positive_Control_168	1	1	1	1	1	1
Positive_Control_169	1	1	1	1	1	1
Positive_Control_170	1	1	1	1	1	1
Positive_Control_171	1	1	1	1	1	1
Positive_Control_172	1	1	1	1	1	1
Positive_Control_173	1	1	1	1	1	1
Positive_Control_174	1	1	1	1	1	1
Positive_Control_175	1	1	1	1	1	1
Positive_Control_176	1	1	1	1	11	1
Positive_Control_177	1	1	1	1	1	1
Positive_Control_178	1	1	1	1	1	1
Positive_Control_179	1	1	1	1	1	1
Positive_Control_180	1	1	1	1	1	1
Positive_Control_181	1	1	1	1	1	1
Positive_Control_182	1	1	1	1	1	1
Positive_Control_183	1	1	1	1	1	1
Positive_Control_184	1	1	1	1	1	1

Positive_Control_185	1	1	1	1	1	1
Positive_Control_186	1	1	1	1	1	1
Positive_Control_187	1	1	1	1	1	1
Positive_Control_188	1	1	1	1	1	1
Positive_Control_189	1	1	1	1	1	1
Positive_Control_190	1	1	1	1	1	1
Positive_Control_191	1	1	1	1	1	1
Positive_Control_192	1	1	1	1	1	1
Positive_Control_193	1	1	1	1	1	1
Positive_Control_194	1	9	1	9	1	1
Positive_Control_195	1	1	1	1	1	1
Positive_Control_196	1	1	1	1	1	1
Positive_Control_197	1	1	1	1	1	1
Positive_Control_198	1	1	1	1	1	1
Positive_Control_199	1	1	1	1	1	1
Positive_Control_200	1	9	1	1	1	1
Positive_Control_201	1	1	1	1	1	1
Positive_Control_202	1	1	1	1	1	1
Positive_Control_203	1	1	1	1	1	1
Positive_Control_204	1	1	1	1	1	1
Positive_Control_205	1	9	1	1	1	1
Positive_Control_206	1	1	1	1	1	1
Positive_Control_207	1	1	1	1	1	1
Positive_Control_208	1	1	1	1	1	1
Positive_Control_209	1	1	1	1	1	1
Positive_Control_210	1	1	1	1	1	1
Positive_Control_211	1	1	13	1	1	1
Positive_Control_212	1	1	1	1	1	1
Positive_Control_213	1	1	1	1	1	1
Positive_Control_214	1	1	1	1	1	1
Positive_Control_215	1	1	1	1	1	1
Positive_Control_216	1	1	1	1	1	1
Positive_Control_217	1	1	1	1	1	1
Positive_Control_218	1	1	1	1	1	1
Positive_Control_219	1	1	1	1	1	1
Positive_Control_220	1	1	1	1	1	1
Positive_Control_221	1	1	1	1	1	1
Positive_Control_222	1	1	1	1	1	1
Positive_Control_223	1	1	1	1	1	1
Positive_Control_224	1	1	1	1	1	1
Positive_Control_225	1	1	1	1	1	1
Positive_Control_226	1	1	1	1	1	1
Positive_Control_227	1	1	1	1	1	1
Positive_Control_228	1	1	1	1	1	1
Positive_Control_229	1	1	1	1	1	1
Positive_Control_230	1	1	1	1	1	1
RT_Kit_Control_DAP_1_Cp	15	11	15	11	13	16

RT_Kit_Control_DAP_2_Cp	15	11	15	11	13	16
RT_Kit_Control_DAP_3_Cp	15	11	15	11	13	16
RT_Kit_Control_DAP_4_Cp	15	11	15	11	13	16
RT_Kit_Control_DAP_5_Cp	15	11	15	11	13	16
RT_Kit_Control_LYS_1_Cp	15	11	15	11	13	16
RT_Kit_Control_LYS_2_Cp	15	11	15	11	13	16
RT_Kit_Control_LYS_3_Cp	15	11	15	11	13	16
RT_Kit_Control_LYS_4_Cp	15	11	15	11	13	16
RT_Kit_Control_LYS_5_Cp	15	11	15	11	13	16
RT_Kit_Control_PHE_1_Cp	15	11	15	11	13	16
RT_Kit_Control_PHE_2_Cp	15	11	15	11	13	16
RT_Kit_Control_PHE_3_Cp	15	11	15	11	13	16
RT_Kit_Control_PHE_4_Cp	15	11	15	11	13	16
RT_Kit_Control_PHE_5_Cp	15	11	15	11	13	16

The **test** is a two class experiment performed on the AB1700 mouse array (condition wk15: 3 biological replcates; condition wk19: 3 biological replicates).

2.1 Methods of the **aplera**-class

The **aplera** class allows to access to the slot names using the following methods: *organism*, *geneid*, *signal*, *sdev*, *cvAp*, *sn*, *flags*, *ctrl*,

To access to the **exprSet** object containing the log2 CL probe intensities you can use:

```
> signal(test)
```

An object of class "exprSet"

Slot "exprs":

	MA001I9	MA000V0	MA0019Y	MA000UR	MA001I7	MA001D0
297784	16.229198	17.169065	15.161862	16.791070	18.797867	18.126274
297907	7.703350	9.938727	8.090483	7.389223	8.282301	8.213639
297912	12.559336	13.339036	12.148677	12.331331	13.305733	12.871711
297935	8.665940	7.386725	8.632668	7.650406	8.579429	8.132371
297990	9.011227	10.297329	9.115174	8.991975	10.813517	10.477202
297993	8.239599	7.432291	7.067811	7.611836	8.577429	7.637929
298000	17.481582	17.527649	17.402276	16.217189	16.496959	16.244707
298038	7.868143	8.992797	7.715138	7.407608	8.728499	8.152640
298121	7.415404	8.859845	9.299002	7.274914	8.166264	7.830167
298130	8.983849	10.179300	10.192922	9.601102	10.449561	9.406141
298143	12.087184	12.643563	11.327985	13.466529	14.562250	13.954491
298150	8.358300	8.928814	8.541290	7.918625	9.802403	7.886855
298151	8.107479	9.395663	7.470293	8.538305	8.055879	7.818518
298155	7.865238	9.144735	9.558134	8.521247	9.314107	8.110092
298165	12.758733	12.738390	12.210653	11.642083	12.061145	12.599632
298174	11.074416	12.074402	10.644812	11.033760	12.253915	12.135100
298188	8.980568	9.974601	8.176173	8.880441	10.585704	10.280608
298200	17.237773	17.827008	16.688750	16.856603	17.455599	17.459690
298246	12.895657	9.099006	8.672920	7.203984	12.486712	12.717884

298248	7.758889	7.870919	8.559033	7.985500	8.753083	7.618386
298276	14.817164	15.372113	14.504550	14.129925	15.163118	15.053380
298312	8.126033	8.113013	9.421034	8.591485	9.813252	9.262753
298316	12.508377	13.229989	12.387377	11.999345	12.973782	12.553905
298331	12.145117	12.736804	12.250399	11.547680	12.761219	12.217776
298347	10.875281	8.814294	8.805292	8.427941	9.723934	8.687901
298367	10.534984	11.871116	10.333323	11.151017	11.440475	10.918707
298384	10.736436	10.867711	10.816056	9.845678	9.865146	10.711787
298422	8.253942	8.009885	8.363609	8.117124	8.958988	8.984333
298428	9.713301	9.657569	9.863273	10.157221	11.442648	10.654412
298431	7.769441	7.453353	7.763080	6.910253	8.695820	7.601028
298459	11.734930	12.810507	8.842885	12.197846	13.100258	12.045517
298460	8.636842	8.936432	8.686395	8.871012	8.619706	10.070765
298479	12.013877	12.377403	9.816280	12.341844	13.309206	12.421279
298518	9.474314	10.646478	7.415995	9.608698	12.065857	10.845129
298523	9.268285	9.380418	7.794936	8.300353	8.746817	8.253800
298527	14.940714	15.068606	12.852943	14.373339	15.483318	14.901874
298556	7.440869	10.200065	8.990955	9.789224	11.295941	9.366606
298558	15.167529	15.887590	14.834148	14.601139	15.713328	15.413951
298593	10.476665	11.188638	10.760662	10.510131	10.812947	11.082994
298594	8.063611	7.718567	8.408202	8.356012	9.956420	8.317955
298604	12.211271	12.702212	10.765808	11.301388	12.506848	12.402516
298614	8.308111	12.458278	8.196381	9.662686	9.610859	8.362821
298619	7.242793	9.799735	8.304739	8.316825	9.008345	7.618165
298631	13.013750	13.240086	12.950004	12.291199	10.810339	11.864914
298654	8.096188	8.574707	8.049413	9.071596	10.130506	8.885086
298655	13.456539	13.951342	13.061030	13.286848	14.618104	14.171507
298656	8.621173	8.323505	7.825468	6.970278	8.240457	10.047342
298704	11.130403	13.336278	10.296985	12.229816	13.314798	12.803500
298742	8.516764	9.231725	8.681168	9.141698	8.656818	8.177719
298746	8.354558	7.364660	7.940754	8.065174	7.918863	7.684538
298760	8.088576	8.852561	7.516803	8.344296	8.797986	8.154818
298761	9.864975	11.330637	8.493455	11.291015	11.752054	10.834021
298770	14.024171	14.469260	14.149706	13.392625	13.478768	13.463065
298771	7.990501	8.453806	7.693417	11.280487	8.621979	8.261766
298780	8.125052	8.084596	8.894787	8.115252	8.071033	8.086189
298785	11.465602	11.241477	10.675357	9.903897	8.986980	10.080058
298789	9.859426	8.070282	8.249303	8.076388	11.582438	7.909053
298811	11.341107	9.029011	9.070282	8.302685	9.390534	10.236863
298812	14.128029	12.258301	9.790625	11.112251	11.259932	11.087741
298816	13.832541	14.022464	11.714859	14.167096	16.027382	15.606486
298853	12.876860	11.905003	14.828070	11.454217	10.168246	11.140191
298861	8.836871	9.258330	9.426202	9.128484	8.261484	8.286974
298871	8.605702	7.477273	7.695924	8.434962	8.499288	8.643568
298882	8.873752	9.624009	8.742478	8.887190	10.418991	9.742764
298887	14.005328	14.430790	13.295888	13.434013	14.732839	14.459667
298923	13.302582	13.603031	12.753772	12.758519	13.726714	13.127198

298936	11.828363	13.329830	12.131503	11.136395	12.101198	12.214167
298941	9.948177	9.959611	8.310249	8.794351	10.327440	9.683012
299001	7.408117	8.251814	8.788164	7.713627	8.294483	8.528884
299110	9.230981	10.049263	8.749098	9.378403	10.126485	9.255406
299116	13.619585	13.763690	13.460947	12.819846	13.531903	13.122752
299125	7.682082	7.454998	8.328854	8.048160	9.079191	7.305150
299126	9.555126	10.394163	9.259320	8.292460	9.162190	10.358234
299127	8.585939	8.654779	7.741400	7.206917	8.706772	7.743959
299151	10.282382	9.170100	8.252287	7.557119	9.701722	9.694880
299157	9.599188	9.068026	7.447083	9.434232	8.491212	8.025250
299162	14.739240	14.463846	13.895819	14.695735	15.978419	15.314357
299172	8.210087	9.572359	9.079591	9.753919	9.445967	7.905688
299179	9.142464	8.464219	7.829152	10.504769	9.265896	9.321793
299205	10.807210	10.175961	7.854931	8.650729	8.983991	8.833206
299208	13.409639	13.709015	12.720888	12.476632	14.014657	13.518680
299212	13.872000	13.879594	13.579622	12.836161	13.403541	13.173825
299227	8.250725	8.748293	8.503349	7.415404	8.522464	7.778471
299231	11.075586	11.875715	10.085526	10.513925	11.110111	11.141188
299261	9.201707	9.422990	8.625782	8.775972	8.615188	8.236206
299270	9.232709	8.226894	8.115356	8.899266	9.359662	8.297879
299304	11.223489	14.335414	12.303923	13.091668	13.195218	13.553635
299322	12.364529	12.733293	13.242689	11.534245	11.253398	11.473406
299329	10.970307	11.538737	9.692110	10.308987	12.125669	12.244970
299330	13.298000	13.638617	12.496142	12.541808	13.554421	13.160243
299345	19.174983	20.003033	19.014052	19.354225	19.689892	19.796558
299366	8.123863	10.956456	9.404695	13.760523	9.450778	8.722364
299422	7.866352	6.719457	8.257482	7.675886	7.591560	7.806002
299424	10.598676	9.278031	9.513964	10.361001	11.114146	10.181053
299440	7.700648	7.722398	8.377991	8.481154	8.385776	7.624905
299458	14.225686	15.159970	14.160571	13.975060	14.779082	14.311843
299468	8.561975	7.739983	8.372734	8.538732	8.242269	8.519243
299513	9.501419	10.650020	9.108185	9.654887	10.564588	10.674563
299548	8.978968	10.219592	9.039029	7.556199	9.079085	8.027077
299554	7.113117	8.037712	7.446008	7.944917	8.249445	7.776236
299556	9.119564	8.010388	7.516803	7.644649	8.682995	7.874736
299559	8.594661	9.371232	7.457052	8.168321	9.135401	7.647674
299599	8.092863	7.908993	8.729791	7.671152	8.644938	9.345139
299604	16.346756	15.731661	15.974013	14.194671	14.960946	14.710860
299608	8.663629	10.317379	8.015861	8.952829	9.584042	7.907492
299615	7.299208	8.094658	7.592382	7.791879	7.752013	7.569932
299618	12.845792	12.882387	11.488342	12.170973	13.416303	12.825012
299626	8.472610	8.344118	7.656210	9.027464	9.224846	8.534809
299636	7.860901	8.648070	7.992938	7.867341	8.191059	8.561975
299661	8.646199	9.512385	8.276311	9.831846	8.303278	9.166063
299672	7.921008	8.603478	9.086853	7.808514	9.846054	10.477384
299674	13.739034	14.237582	13.110041	13.149842	13.644649	13.302615
299694	10.684328	11.594567	8.190862	11.865938	13.438823	13.054158

299731	12.483604	13.161809	10.982416	13.299272	15.154121	14.048514
299744	10.215205	9.863846	9.999831	10.341964	10.279378	9.475794
299780	7.563234	8.584436	6.992429	8.105280	8.778274	7.989196
299781	8.164052	7.270529	8.851780	7.764540	8.097505	7.607626
299789	8.238644	8.157044	8.337577	6.171127	8.141290	8.564645
299792	10.273306	10.892558	9.554781	9.345161	11.120238	10.944053
299800	7.573117	7.205060	8.910823	8.179163	7.988798	8.799346
299826	8.306745	8.212278	7.472650	8.406035	9.123682	7.872644
299844	13.532587	13.879479	12.964900	13.158458	14.662097	14.131817
299865	8.418991	7.957450	9.795195	8.248781	10.799006	9.815479
299883	15.226864	15.124177	14.427048	13.606410	14.510753	13.705379
299904	9.868838	8.724889	6.707911	9.033285	8.574745	6.927185
299915	11.965892	15.286434	13.395126	13.764382	14.139106	14.075282
299931	14.742937	14.553320	14.119269	13.370355	13.700678	13.891312
299933	9.683117	8.980511	8.194314	8.296687	8.480023	9.812274
299973	12.693646	13.261924	12.470003	12.634444	13.600207	12.955476
299990	8.803421	10.559368	9.006074	8.986838	9.874613	9.861273
299991	11.792563	12.361121	10.291873	11.200978	12.209322	11.989529
300026	15.992998	16.433441	15.899376	15.232715	16.178092	15.932158
300048	12.489236	13.661623	12.068348	13.070446	14.964161	14.251743
300051	9.281513	8.117591	7.763611	7.235536	8.509696	7.530835
300067	7.918327	8.568640	7.816024	7.198199	8.017978	7.695785
300089	9.559262	8.937992	7.449396	8.635682	8.812177	8.602179
300142	10.891943	11.239968	9.770367	10.269255	10.781737	10.842995
300199	10.621081	10.881030	10.147498	9.433627	10.256645	10.730266
300235	8.367764	9.302022	8.257152	8.115200	8.878143	8.342741
300258	16.758296	17.028740	16.985467	15.613683	15.305757	15.530535
300305	9.873690	13.609808	10.765551	11.925499	12.517957	12.301868
300312	13.491742	13.448835	12.683767	12.181882	12.978387	12.963013
300322	10.406992	11.887975	9.963156	11.155912	11.908892	11.482405
300327	10.642404	11.992471	9.758873	10.698896	11.471904	11.256669
300398	7.964572	8.062694	8.169274	7.710324	9.290388	7.492654
300400	10.333368	11.094295	10.505573	10.643766	11.088782	10.954611
300409	14.091924	13.999681	11.749006	13.950842	14.839690	13.530965
300422	7.817176	8.083160	8.015248	9.120627	8.268940	9.589239
300428	9.765120	10.831086	8.981025	10.879216	11.569414	10.692031
300505	12.180549	12.539023	11.393900	11.386234	11.923821	12.125068
300524	8.246456	9.560352	8.523523	9.916715	10.032018	8.574442
300530	10.640010	11.209252	9.414241	10.151181	10.937683	11.503060
300537	8.619303	11.736207	9.463667	9.970969	11.399289	9.080604
300542	8.208283	8.581653	7.074034	8.550093	7.712802	7.479295
300547	12.887447	13.425519	11.445072	12.901533	13.921640	13.619557
300553	12.742328	13.183040	10.926489	12.468609	13.760766	13.341484
300565	8.257953	7.726831	7.354822	7.535742	9.771489	8.348861
300596	10.862862	9.551112	9.772117	9.443503	9.946438	9.578958
300600	8.469235	8.973095	7.579090	8.114315	8.992853	8.315557
300605	13.862549	13.716016	12.910217	12.802920	14.341941	13.822247

300612	8.535586	7.374692	8.573382	8.441824	8.491332	9.010164
300627	14.990959	15.051073	14.277565	14.276320	15.656862	15.181049
300692	8.327283	7.911332	7.880747	7.018923	9.243888	7.609696
300722	9.455594	10.074101	9.496614	8.969905	9.615078	9.522895
300729	8.828454	8.814134	7.986070	7.724718	9.039330	8.014411
300748	8.509577	8.627716	8.490971	8.705909	10.070765	8.744867
300771	7.931269	9.075265	8.501240	7.468502	8.795033	9.139526
300813	10.703834	9.374083	9.273003	8.806421	9.399705	10.977910
300839	8.592569	7.276497	7.670302	7.552669	8.447538	8.413966
300853	8.084755	9.691429	8.936432	9.568811	8.839361	8.119097
300862	12.668136	13.010432	11.569856	12.049937	13.261570	13.025506
300890	9.390384	10.124819	8.419286	10.414738	10.101582	9.088470
300922	19.317801	19.163687	18.972475	18.545207	19.091881	19.015677
300961	11.856908	13.184410	10.365852	12.113934	13.417595	12.504891
300967	9.334631	7.596190	7.243079	6.690417	8.326295	8.688250
300969	8.093655	9.749970	8.146492	8.087092	9.340651	9.873459
301005	17.816401	18.794956	17.627818	17.553929	18.440035	18.224181
301015	9.747387	10.787535	8.780343	10.503826	11.860361	10.677182
301024	7.927482	8.378121	7.879338	8.559454	8.407438	9.227135
301035	14.734795	15.192336	14.335767	14.670949	15.468771	14.825249
301049	7.728193	7.906169	7.212958	7.561173	8.121896	8.833712
301054	10.485447	10.296996	9.845490	10.048691	9.096689	9.737298
301068	7.980311	8.147103	8.304329	7.654922	9.580692	10.442218
301070	8.408117	8.680606	7.975791	8.333692	9.048759	7.908513
301124	7.334050	9.251743	8.265005	8.779522	7.637132	8.447662
301139	8.162089	9.018923	7.979682	8.797499	9.211134	10.216916
301141	8.515660	8.211450	8.383315	7.730029	9.545370	9.683293
301143	11.246224	11.709131	11.675393	10.915491	11.674413	11.266810
301169	11.083034	10.737399	9.753752	10.530299	9.874566	9.900052
301171	7.998026	8.122414	7.760554	8.252192	8.600916	7.258802
301214	13.520764	14.764761	13.325308	13.284091	13.954455	13.572313
301218	9.656586	13.648250	11.544259	13.143409	12.742695	13.095385
301240	13.378065	13.432936	12.464676	12.195612	12.420450	12.278316
301266	12.596979	13.137484	11.656085	12.269360	13.466482	12.512355
301281	7.697107	8.860125	8.173827	7.984760	8.473178	9.453435
301306	10.598276	10.590718	10.074931	9.081324	10.037451	10.365305
301307	7.974013	7.317865	7.822794	7.641040	8.384309	7.258330
301313	8.196922	10.139423	8.775347	9.779490	10.254745	8.146696
301376	14.570059	14.649341	13.512808	14.394742	15.719305	15.256030
301377	7.833839	8.296916	8.171377	7.863257	10.246681	7.868761
301391	11.777185	11.469387	9.066170	11.244756	12.893582	11.612131
301393	8.184330	7.314425	7.884354	7.642052	7.842099	7.678987
301399	9.889975	9.886550	9.871767	11.183195	10.294311	9.634049
301410	8.338781	8.095133	7.966188	9.393433	8.807258	8.173727
301418	8.517315	8.943892	8.770168	7.940402	8.164605	9.165736
301448	8.311658	9.415066	8.332439	8.551900	8.930116	7.924278
301451	8.443980	7.213542	8.186808	7.542413	8.840841	8.108577

301490	8.099453	8.884781	8.740219	7.786204	8.533369	7.152995
301498	12.540729	13.371507	11.312174	12.019365	13.461298	13.063870
301506	14.232779	14.405952	12.675225	13.829007	15.094722	14.490746
301517	7.405227	7.980882	7.674192	7.739781	8.596749	7.968724
301554	9.988443	10.681950	9.414833	9.161308	10.996417	10.973532
301582	13.509332	13.835175	13.159960	13.027590	13.675176	13.393865
301606	9.819924	10.779194	12.110552	8.641221	10.415721	9.401413
301664	12.005849	12.966864	10.583562	12.364633	13.526322	12.823315
301691	15.520718	15.057055	12.309721	14.548509	14.938295	14.625080
301694	6.662205	9.110353	9.067300	8.714211	10.713258	7.874490
301736	8.154565	8.238214	7.629065	7.982480	9.059561	8.560677
301738	8.930028	7.967457	8.950877	8.015471	7.918148	7.855741
301782	14.956756	14.989128	13.649019	14.444071	15.568347	14.909790
301819	11.314804	11.673291	9.848263	10.634139	11.596427	10.902722
301828	15.245367	15.562117	15.105282	14.734391	15.070279	14.785479
301877	12.341060	12.347187	10.691124	11.089490	12.845782	12.271717
301916	8.378598	10.182531	8.112856	9.120471	9.186189	8.631541
301921	8.673344	9.939212	7.874182	9.533661	10.465444	9.661564
301932	9.091753	9.896363	7.822666	8.708842	9.696011	8.649400
301934	10.062181	9.027381	8.116136	8.112179	9.381435	8.237975
301947	8.499288	10.832336	8.367109	8.814166	10.131767	8.013797
301956	13.445907	14.352486	13.077702	13.176323	14.145151	14.066502
301972	10.796575	11.230375	10.408255	10.624530	11.294856	10.638680
301985	12.929785	13.741350	12.742053	12.260417	13.056577	12.920344
301994	11.454685	11.847053	11.272466	11.138790	11.619665	11.716374
301995	8.493015	9.472508	9.226653	8.030612	8.285911	9.658586
302054	10.449479	10.394859	8.772513	10.006887	10.752347	9.773733
302064	9.599987	10.503776	8.904183	9.822523	9.190319	8.792855
302170	12.252467	12.666251	12.308712	12.025579	12.800979	12.068711
302176	10.012764	8.598350	9.285240	8.569970	8.418106	8.747589
302207	7.760421	7.111344	8.615115	9.201266	9.228650	8.566701
302215	8.972233	8.032652	8.013016	7.597755	8.862730	8.408797
302224	8.181252	7.904785	7.047015	8.134529	8.732574	10.652128
302259	9.050474	10.837683	8.162039	8.995258	9.634339	9.684293
302279	18.342190	17.385674	17.991650	16.509837	16.228463	17.159970
302285	14.884778	15.509838	14.255405	14.423683	15.290639	15.152202
302309	8.477070	7.958205	8.673062	7.731387	9.205353	9.674422
302319	13.778430	14.605708	13.745582	13.896117	14.456675	14.181504
302328	16.491932	16.387632	16.073961	15.337407	16.165226	15.984209
302336	7.153501	6.908933	7.160577	7.608661	8.683977	7.469153
302342	9.250014	8.526343	8.489567	7.715550	9.167167	9.259955
302346	9.995979	8.199869	8.911991	7.077991	8.080338	7.585488
302365	9.831434	10.301256	8.352485	9.115772	9.679251	8.147765
302390	10.174002	10.270330	8.814262	11.103465	12.254391	11.128091
302412	9.773980	9.752916	8.632268	8.480911	7.553437	8.376603
302442	9.967154	10.515434	8.918297	9.385496	10.610194	10.573600
302450	11.222378	11.762527	8.263879	11.484511	12.080541	11.190331

302455	8.215630	9.388362	7.991182	8.112804	8.671647	8.738430
302463	8.103025	7.810829	8.110770	7.780638	7.964745	8.357728
302464	8.587440	8.276683	7.884781	6.798051	9.329101	7.312248
302488	15.146030	14.970999	14.440218	14.061853	14.760517	14.436984
302489	7.414981	6.904364	7.355439	7.310158	8.167870	7.807484
302490	8.617614	7.387070	7.984134	8.620036	8.934487	8.777222
302519	9.247833	8.648789	8.374170	8.271930	9.684784	10.442798
302539	8.732269	9.372038	9.236660	7.937580	7.792595	7.964283
302541	8.934340	9.123552	6.757690	9.223495	9.333580	8.407863
302579	8.504660	7.668247	8.403694	8.497053	9.044012	7.925703
302583	10.727716	12.088739	10.893878	11.434352	11.981011	11.932366
302585	10.355637	7.636552	8.297283	8.239789	9.031412	8.809832
302602	8.249303	8.524424	8.858168	8.279286	9.166188	7.643712
302611	7.978024	9.580786	7.202026	7.532005	8.643459	9.769044
302631	7.960871	9.039495	8.868205	9.744750	11.557904	7.606960
302644	8.863691	8.685169	8.417177	8.304009	8.376256	10.269863
302679	11.150122	11.630094	9.544192	10.688644	11.163386	11.517689
302690	7.631614	7.400709	7.841784	7.961971	7.853247	7.358959
302704	9.769441	10.241769	8.228145	11.722633	9.090589	8.910343
302754	9.176273	9.070228	7.525834	8.356980	8.979568	7.795001
302766	13.430958	13.646002	13.298136	12.691338	13.417001	13.384975
302772	12.068446	13.266880	11.747123	11.921607	13.026105	12.286494
302796	14.892229	15.533410	12.405386	14.775434	15.973783	15.154934
302820	8.324045	8.544308	7.873690	8.215436	8.211450	7.567652
302827	10.456057	10.831941	10.104166	10.153641	11.426480	9.971199
302836	9.009745	9.171502	9.194486	7.455327	9.333960	8.014299
302864	13.347919	13.176796	11.787384	12.630984	12.754539	12.074463
302886	14.475407	14.886352	13.984205	13.707478	14.762596	14.077871
302956	12.309670	13.442903	12.039070	11.968048	12.906336	12.892575
302962	12.509951	13.476065	11.022631	12.317588	12.286919	12.798186
303065	7.891662	9.155375	7.837691	8.579580	8.552708	7.774721
303088	10.356936	12.082126	10.055106	10.154173	11.013002	11.322604
303110	10.171515	11.176722	9.360540	9.816376	10.749484	10.456816
303148	9.877744	11.208734	10.290894	10.448560	11.548302	10.821854
303159	12.272111	13.058570	11.595929	11.998939	12.778720	12.451703
303171	8.423914	7.276683	7.879583	8.031605	8.311975	7.892877
303177	10.144429	11.074530	10.361407	9.440184	10.379887	10.669062
303184	10.149963	10.783006	10.369717	10.173939	10.735624	10.945166
303190	8.415742	8.476220	9.202491	8.241030	7.968264	8.136991
303192	14.206644	15.094112	13.573261	14.312014	15.067273	14.484061
303204	18.139238	18.642960	17.724747	18.298466	19.311702	18.903113
303226	12.713152	13.141188	12.331230	11.697163	12.954082	12.584995
303232	9.555663	9.519459	8.925703	8.558842	7.688320	9.171677
303237	8.599950	8.901953	8.044995	8.734269	8.357508	8.918655
303257	7.767522	7.790120	8.749668	6.829215	8.959480	9.089821
303292	9.486594	7.693278	7.659568	9.329146	8.609881	8.806711
303322	8.711288	8.289327	9.377124	8.117643	8.299025	7.916656

303343	6.258896	9.887510	7.542954	7.964918	9.662615	9.045541
303354	10.355351	10.476766	8.991494	8.938080	9.376212	10.175861
303359	8.216988	7.700232	8.551170	8.718019	9.193772	9.515877
303366	9.419813	10.076882	13.528797	8.966246	10.533476	9.277148
303370	9.490570	7.990728	8.717368	8.841218	8.859876	9.310181
303410	10.421676	7.377731	9.121093	8.654815	9.745456	9.836981
303430	8.402458	9.651662	8.493255	9.044667	9.780687	9.059912
303435	12.823783	13.626670	12.614774	12.273341	13.401436	13.158712
303455	8.412146	8.929998	7.619340	9.873490	8.837218	8.556774
303461	12.452959	12.947051	12.616976	11.972851	12.636326	12.708254
303482	7.970681	9.166414	8.375170	7.581803	8.120808	8.331947
303484	9.677085	10.408500	9.884857	9.457566	10.137901	10.025375
303487	6.945444	7.203691	8.862110	7.935754	8.117228	7.786400
303490	9.829517	10.153197	10.639277	8.975475	8.385949	8.796072
303567	14.011147	14.136896	13.614043	13.269171	14.266261	14.042803
303584	14.700132	15.308709	14.611306	14.388857	15.024189	14.684836
303607	9.230765	12.039824	9.088497	11.087111	11.641749	11.783056
303639	8.773667	8.444559	8.314243	8.349834	8.666579	8.698670
303657	18.084418	18.718655	18.304767	18.206640	18.755981	18.161518
303659	8.306472	11.853372	10.530699	10.760545	10.909008	11.491923
303682	10.764299	10.535635	10.072347	8.719012	10.030584	11.398642
303688	8.756590	9.198862	9.394527	8.438251	9.843026	9.951197
303700	15.034891	15.047128	14.641293	13.967748	15.022754	14.741107
303703	8.738295	8.092123	7.870118	7.324271	7.634230	7.112075
303719	13.890715	13.198278	13.235850	12.426988	12.667513	12.781261
303727	13.563710	13.003753	12.465077	12.184482	13.265328	12.886596
303732	12.104661	12.934743	11.492960	11.994311	12.809959	12.100656
303755	13.729033	14.883791	13.173854	13.587004	14.616514	14.343438
303758	13.672305	14.190429	13.013996	13.674987	14.228413	13.565857
303766	11.678411	12.152991	10.218067	10.964124	12.476096	11.879300
303797	9.374474	7.606368	7.484863	7.842727	11.290428	8.859783
303805	7.534108	7.325800	5.393004	7.135042	8.465281	8.145474
303817	9.437898	8.457217	8.090112	9.135555	7.719047	8.566967
303843	16.305802	15.800112	16.655209	15.605364	16.038671	15.850267
303901	8.113794	7.660566	8.064096	7.745439	8.526069	7.880930
303916	8.207356	8.500205	8.752916	7.515227	9.558842	8.187501
303925	6.838322	8.273189	7.662063	8.279936	8.051590	7.477111
303954	9.406460	8.900927	8.707325	9.176098	9.408691	8.261625
303957	8.797856	9.541174	8.612131	8.618753	7.667041	8.704007
303962	12.959602	13.331250	12.993996	11.631377	12.391614	12.539382
303973	14.300426	13.770481	11.450459	13.085952	13.768521	13.369247
303982	8.172428	9.845725	7.433711	10.020286	8.538305	7.947199
303983	13.808232	12.947998	12.862728	11.985077	12.156999	12.195618
304005	7.265849	7.157549	7.436045	7.742074	7.998703	8.430954
304008	9.214246	8.561555	8.215679	7.479376	8.066735	8.452612
304038	7.921543	7.764606	7.736267	8.260825	9.083798	8.451335
304111	12.901129	13.499477	12.428415	11.786257	13.044346	12.456655

304116	8.245933	7.980025	7.636190	7.203005	9.308225	8.107165
304139	8.121223	7.274541	8.455492	8.311113	10.385258	8.421265
304156	14.864341	15.240138	14.114692	13.842994	14.985527	15.120476
304158	12.240934	13.212226	12.107688	12.419489	13.736396	13.341677
304194	7.775775	7.259743	7.044831	8.344962	9.096346	8.081776
304260	13.517155	14.362073	12.962833	13.485496	14.711772	14.053054
304278	8.091065	7.624613	7.651195	9.890690	7.968206	8.279750
304281	15.945744	15.974435	15.769988	15.107872	15.504790	14.907734
304310	14.172035	13.851487	14.038327	13.046478	13.509985	13.246671
304317	9.850109	10.982010	10.086455	9.742613	11.124942	10.101726
304333	15.110200	14.813795	14.139427	14.021924	13.481820	14.345222
304340	8.926118	11.021077	7.724718	9.542819	8.568412	8.057234
304359	8.376256	8.179710	7.950818	8.379812	8.619963	9.846462
304379	7.894757	8.532161	8.038919	7.982138	8.641329	8.629903
304385	8.223085	8.323235	8.841690	7.008765	8.817016	8.872152
304397	11.987932	12.412091	11.022264	11.523787	12.048899	11.744115
304410	10.850242	11.716695	10.200899	10.505970	11.383488	10.623452
304430	11.700487	12.283971	11.169649	11.330463	12.485452	11.513288
304455	9.633994	10.172352	9.700908	10.316259	12.131664	11.351425
304456	12.486176	13.295991	12.237688	11.804684	12.802331	12.351086
304466	8.432250	10.596441	8.335212	8.049413	10.012247	7.826676
304467	15.972391	16.122996	16.111615	15.356570	14.646111	16.154248
304478	7.573041	7.865919	8.493295	7.197610	9.542761	7.167820
304479	12.890713	13.721303	11.897350	13.017818	14.091626	13.435537
304484	8.556506	10.929244	9.642647	9.855834	9.766993	10.199280
304513	10.968609	12.572807	10.904160	11.038679	12.732611	12.558684
304550	8.785191	9.071650	8.781294	8.091806	9.054740	9.153552
304554	8.185421	8.715310	9.463034	7.292874	8.216018	8.204669
304580	9.597010	11.488649	10.077323	9.316146	11.392693	10.625270
304617	7.554589	7.709291	7.736808	9.481477	8.627315	7.177619
304630	7.959712	8.688180	8.423242	9.602884	9.008036	9.180953
304660	8.372560	8.306153	8.503985	8.131343	8.361110	8.055011
304701	8.610877	8.335078	9.561250	8.034524	8.199967	8.034689
304720	8.939991	10.734854	8.939285	9.671435	9.391179	10.998760
304754	8.727070	8.127994	7.986183	9.218587	11.172734	8.642449
304843	11.837766	12.005347	11.893988	10.670019	12.490013	11.838314
304855	10.706099	11.236415	9.850578	9.626676	10.971263	9.988046
304895	9.994368	8.915670	8.784209	8.902375	9.244673	9.813669
304938	8.008709	9.609936	7.754019	10.798326	9.317797	8.991182
304956	11.675009	12.186724	10.789224	11.466826	11.213912	11.289523
304961	9.080418	10.107976	10.068631	9.836650	11.287066	9.947389
305023	8.344207	8.103235	8.283505	8.329707	9.242126	8.937433
305056	12.269407	13.148295	12.229858	12.254261	12.688541	12.673762
305065	7.962433	7.699607	8.319717	9.058506	8.833681	8.013406
305089	9.910568	11.492694	9.302753	10.408924	11.985209	11.254822
305139	7.236301	7.237258	7.917551	7.536752	8.156184	7.243269
305143	13.982043	13.943340	13.283784	12.733770	13.621135	13.501927

305147	13.846765	14.651852	11.507264	14.699354	16.146944	16.080818
305151	12.967457	13.578754	12.878421	13.208778	14.644207	13.820541
305157	15.070482	14.872176	14.357124	14.557104	15.752855	15.404854
305171	7.924040	9.555260	8.065443	7.179909	9.572264	7.666331
305185	7.901350	8.851718	9.401967	7.823431	9.312384	9.243483
305193	14.459852	15.127405	14.010438	14.593278	15.558275	15.023843
305197	14.153463	14.522470	13.770993	13.366737	14.515059	13.977355
305205	8.403097	7.647818	8.292828	6.895545	8.073070	7.753284
305222	7.686080	9.357002	10.813998	7.586314	9.199942	9.482183
305255	9.094790	9.888180	9.220403	8.642882	9.112231	8.529782
305278	12.505248	13.243521	12.295910	12.114094	13.495982	12.214234
305309	8.291079	8.463565	9.498331	8.018812	8.474233	8.019591
305335	11.382338	10.491242	10.249576	10.398252	12.013145	10.892178
305337	10.022881	12.195732	11.200120	11.199654	11.943394	11.894909
305366	14.661371	15.506370	14.656031	13.979924	14.479925	14.789190
305378	17.684335	17.749550	17.014826	17.074354	17.996215	17.389605
305396	8.683521	8.362996	7.846556	7.844047	7.920174	8.134426
305400	8.175974	7.785027	7.948834	7.967053	7.439291	7.225834
305439	9.236660	9.256114	8.863319	7.933809	9.925376	8.740961
305463	7.837439	8.823718	7.946321	7.795260	9.899538	8.821104
305531	9.460497	10.979397	8.907942	9.918476	10.805365	10.240123
305543	8.067649	8.419876	7.265287	7.908273	8.237114	8.105594
305557	11.561589	12.569656	11.742832	11.123468	11.781487	11.821543
305559	9.025167	10.880280	10.534001	9.667750	10.452838	10.472752
305586	12.473749	12.537992	12.456128	12.190865	12.991761	12.368839
305590	9.028735	10.231593	9.656586	10.111266	8.008317	9.126343
305601	7.489928	8.039029	7.409815	6.538228	8.123759	8.282440
305649	11.254007	11.891769	11.116805	10.826429	10.150077	11.740649
305669	10.411744	14.156253	9.879078	12.243900	13.274326	13.105774
305684	9.664536	10.752698	9.125517	10.810708	10.948316	10.564035
305687	13.383797	13.741928	13.008581	12.590994	13.933434	13.388806
305705	8.401946	11.228771	10.192108	8.704907	9.237975	9.822810
305711	8.532122	7.421897	7.660566	8.661742	9.063476	7.766661
305716	13.545079	15.428973	12.961526	14.423330	15.682796	14.423108
305721	8.746078	11.487724	9.777272	10.191664	9.806791	9.230285
305729	6.802969	8.578788	9.020786	7.892209	8.559645	7.860342
305754	8.225834	8.354029	9.719098	7.334050	7.872336	9.184057
305759	8.575766	10.500951	9.484481	10.302456	10.640136	10.749936
305778	7.372778	9.234650	8.457135	8.951372	8.398273	8.229251
305822	7.980368	7.972233	8.184627	7.324811	9.493475	8.189775
305846	13.052033	16.625866	15.522362	14.062588	13.050304	14.508816
305854	9.808659	8.339316	8.397589	8.825881	8.836429	8.485789
305864	9.649669	11.225394	9.327957	9.581671	9.964615	10.298017
305901	9.831814	11.047144	8.833459	9.912919	10.569115	10.291493
305924	8.423620	7.907071	8.534692	7.800641	8.050066	8.192391
305928	8.089477	7.713008	8.433752	8.252760	9.596022	8.794253
305939	7.636770	8.533135	7.861025	7.719389	8.307474	8.498371

306013	9.251175	8.145728	9.049413	9.303621	8.747656	8.155021
306025	9.956275	10.886017	9.736554	10.002703	11.737421	10.641871
306036	15.797534	15.729020	14.608042	15.389682	16.715088	15.822331
306042	8.509973	8.966563	8.059399	11.031129	9.137683	7.953149
306044	13.198058	13.459319	13.151633	12.952567	13.785224	13.654096
306055	8.672920	9.228458	8.147510	7.617063	8.857172	8.435295
306082	14.895319	15.933614	14.831020	15.712052	16.617496	15.966170
306096	7.110405	8.621429	7.968494	8.006017	9.964947	8.619560
306111	18.609212	17.877549	16.653107	16.838877	16.764710	17.279226
306169	7.602959	8.628737	8.112127	8.695019	8.592233	7.481557
306188	7.601548	9.460661	9.719782	8.531381	9.404184	8.760454
306200	8.793408	7.760421	8.780409	7.378251	9.073767	7.712389
306206	8.272723	8.757923	8.571601	8.374431	9.769640	7.880624
306262	13.935447	14.826277	13.835216	13.835255	15.201002	14.910252
306289	7.322469	7.277613	8.114315	7.882521	8.433043	7.707635
306290	10.271673	11.288987	9.960292	9.202932	10.699486	10.461326
306349	11.375583	11.078404	12.070524	10.946519	11.740223	11.621782
306365	14.956972	15.779844	14.209684	14.968779	15.593815	15.253768
306391	7.408967	9.131677	8.410833	8.410324	7.814679	7.786204
306410	8.669452	10.070658	7.844361	9.338558	10.308646	9.093021
306448	17.687735	18.483822	17.265702	17.201690	18.090217	17.472062
306454	18.348556	18.054588	17.928498	17.398675	18.515349	17.904341
306468	7.695019	7.930796	7.490731	7.131548	8.317820	7.626512
306483	16.979216	17.429119	16.884709	16.787359	17.788513	17.311454
306485	7.558115	7.458694	7.875411	7.577278	8.277892	7.746649
306516	11.284263	12.297424	11.154274	11.150318	12.424235	11.709260
306521	10.018311	10.770300	7.909293	9.134195	9.156892	9.175924
306595	9.063206	9.750690	9.900776	10.169574	9.849937	9.612113
306596	8.060912	7.243174	7.964052	7.659496	9.236062	8.327732
306600	16.134807	15.775048	15.394919	15.204030	15.940441	15.651879
306661	14.178428	13.825209	13.314828	12.846523	14.298854	14.198549
306687	13.418733	13.178805	12.524777	11.971529	13.153161	12.609264
306698	12.687791	13.508445	12.236059	12.194735	13.482261	12.995769
306701	8.241173	8.296182	8.970940	8.535470	8.694079	7.330110
306706	7.824513	10.431069	8.059344	10.282834	11.033292	8.366235
306707	12.248864	12.441679	9.700682	12.003412	12.376541	11.729595
306708	11.356507	12.247447	10.353786	11.680505	12.676982	11.867661
306753	11.887099	11.705736	10.624083	11.371602	12.250269	11.691390
306756	12.811074	13.346357	12.510472	12.878363	14.376406	13.552334
306837	9.074195	9.469825	7.927659	7.897301	10.254946	7.029895
306849	8.623552	6.802452	8.556583	7.223036	9.691778	8.283181
306866	8.771390	8.267161	8.242841	7.557502	9.069665	8.301862
306867	11.831212	9.430139	8.687376	8.321161	9.411935	8.263551
306961	8.244887	9.031026	8.416333	7.007532	8.540283	7.525991
306964	7.535042	9.585526	7.191503	8.271556	9.564188	8.184677
306985	10.076241	9.453600	8.354514	8.212861	10.982052	10.101109
306988	9.700630	9.408733	11.200451	8.506803	9.391501	7.856176

307000	7.618312	9.301633	8.434545	7.775643	8.408075	8.099453
307024	7.017254	8.669275	7.944800	7.351116	7.394634	8.956870
307028	8.727342	12.220233	13.130625	10.049535	9.713954	10.965084
307057	8.878174	7.849311	7.743757	8.167167	9.030695	7.513254
307067	8.087092	8.731658	8.130622	7.601697	8.409349	7.528102
307071	10.536879	7.121223	8.062586	9.514635	8.715344	9.713146
307091	10.215157	11.133354	10.919787	9.976249	9.804276	11.023914
307095	15.245042	15.688824	16.160309	14.561967	14.403328	14.398493
307122	7.838700	7.705079	7.789208	8.922406	7.805679	7.641907
307146	10.860831	11.870241	10.565140	11.361500	11.420097	11.401973
307147	8.729825	7.778866	8.072427	7.840841	8.482566	8.350674
307149	12.503187	13.030129	12.165614	11.655982	12.636457	12.110823
307151	7.642918	9.156892	8.657819	6.740658	8.223664	9.208966
307169	8.306973	7.225545	7.246788	7.481073	9.306700	10.730181
307199	7.902435	7.433460	8.159114	7.514201	9.043848	8.281976
307231	15.158726	15.447730	13.459830	14.967677	15.908640	15.414437
307239	7.596935	8.111031	8.646811	8.236158	9.072401	7.867896
307269	7.855055	7.381543	9.218030	7.679058	7.420297	7.741467
307295	11.199740	11.490520	10.630076	10.046101	11.119531	10.954814
307318	9.085499	9.119382	8.585075	8.453764	9.810427	8.293656
307333	16.249370	16.511837	15.728988	15.314653	15.983517	15.904411
307343	8.755155	8.977194	8.325215	9.497073	9.909788	9.222867
307417	12.777677	13.613842	12.492439	12.281692	13.693614	13.389098
307478	7.424082	8.169875	7.865548	8.155881	8.086667	7.492815
307485	12.508084	13.074167	11.490224	13.612841	15.059457	14.507732
307512	9.422717	8.643387	9.034496	8.785877	8.976306	8.980311
307562	8.492534	11.298950	8.917879	10.555481	10.918662	10.153273
307588	12.643885	13.037813	12.611357	12.045521	13.169687	12.947354
307602	18.068149	17.900329	17.632986	16.857889	17.582865	17.353302
307688	15.836958	16.723390	16.386712	15.897356	15.901923	15.558611
307692	8.649580	7.955243	7.913966	7.242126	8.390298	8.362426
307734	7.437710	7.081297	7.620586	6.606442	7.457463	8.764308
307749	10.622363	11.590227	9.881037	9.863164	11.405094	10.989430
307774	12.027429	11.980393	11.433575	12.233167	13.758322	13.068998
307787	10.815487	10.957385	7.275007	13.670566	15.223050	14.586832
307797	14.571000	15.114271	14.388696	13.840273	15.238762	14.727886
307808	12.241495	13.030341	12.173424	12.449530	12.686864	12.392073
307817	7.915103	8.115564	10.500633	8.980682	7.637567	8.679832
307827	14.392526	14.401186	13.629488	13.170745	13.951246	13.922340
307828	8.941928	8.988287	7.988401	7.838700	10.361527	9.203642
307845	7.943746	8.217085	8.448695	7.945034	8.787903	8.330200
307847	12.081404	12.641275	12.105486	12.251962	12.951511	12.313303
307853	11.092698	12.299099	8.411596	11.877050	13.311193	12.455093
307892	7.504779	7.559415	7.947082	6.255123	8.051590	7.991182
307916	8.040509	8.246123	10.076856	9.458673	9.347378	8.118214
307921	9.880532	8.780999	8.905748	11.503955	10.142503	9.280864
307943	13.374381	13.787200	13.092916	13.220498	14.423832	13.718504

307944	15.896826	15.584671	15.735827	14.864531	16.012542	15.523529
307981	9.426747	10.754320	8.727308	10.856752	9.848686	9.334229
307996	8.818007	8.357992	7.577655	8.078151	8.614857	7.695228
308009	10.838928	12.425984	10.558842	11.110137	11.959542	10.822507
308021	13.119395	13.794690	12.136821	12.849120	14.726124	13.540260
308032	11.154514	11.303387	9.945590	10.710514	11.231695	11.026447
308055	8.507953	7.248212	8.179561	8.494216	9.089821	10.645812
308058	7.486393	8.784177	8.998590	8.135658	11.004649	8.770763
308117	10.528014	10.755847	7.248212	10.731277	11.565968	10.377493
308129	8.078791	7.943511	8.472772	8.020980	8.534848	7.606812
308131	8.254651	8.809736	9.592756	7.241745	8.767059	8.031384
308136	8.254415	9.081856	8.299574	9.081377	8.975877	8.086030
308141	14.660630	15.574861	14.829777	14.463604	15.661815	15.205315
308143	12.499525	12.272942	11.744918	11.693722	12.771605	12.458801
308157	7.911092	11.397985	8.439000	8.831624	10.622903	10.544182
308179	8.182941	8.119875	7.806904	7.700717	8.536752	8.126033
308193	14.150599	14.866837	14.244548	13.753956	14.158087	13.737920
308239	7.499527	6.899659	7.163096	7.534108	7.693905	7.560104
308247	13.275548	13.280194	13.265773	12.294658	12.434732	12.255763
308281	14.574585	14.733102	14.092235	13.825562	14.731836	14.687957
308306	8.191207	8.219265	8.880379	7.194855	8.015415	7.295907
308308	12.187470	12.033616	9.876594	11.395898	12.277523	12.549414
308336	7.998985	12.763704	7.942808	12.364184	12.347253	12.484141
308377	9.018506	7.304237	9.094579	7.622418	8.300444	7.994976
308384	7.983621	8.524307	7.992032	9.730929	10.256846	8.013797
308387	14.953703	15.116320	14.460086	14.222492	15.687567	15.013520
308395	16.776828	16.968638	16.362434	16.404423	17.341044	17.134609
308406	9.339538	7.829913	9.301016	9.608477	8.545737	8.843450
308419	10.505802	12.059284	10.290388	10.536063	10.325721	10.014816
308421	9.243698	7.974185	7.373300	9.380288	8.525012	7.454752
308461	8.312565	9.382819	7.101083	8.101976	8.010444	8.437294
308471	8.216746	8.608846	7.136991	8.764274	9.464913	8.824036
308508	12.063503	12.655573	11.967936	11.180680	12.201539	12.088036
308517	9.041248	8.918297	8.033037	9.136504	9.060804	8.038590
308525	11.550853	14.813156	12.292408	13.600000	14.229414	14.294324
308545	9.891753	10.172940	10.460814	9.748713	9.542896	10.048855
308550	8.036613	8.217618	8.432918	7.589239	8.743084	9.574385
308602	8.249445	7.388878	7.546740	8.007532	8.710393	7.817367
308605	13.827208	13.724689	13.026876	12.992799	13.793432	13.475597
308635	8.636806	12.676272	8.965986	11.463877	11.683723	11.528474
308640	8.469194	8.841313	8.335078	8.009773	9.134683	8.018145
308675	7.771622	8.282532	7.449396	7.859100	8.861738	7.884781
308676	8.020202	6.924931	7.492414	7.285310	7.195052	7.585939
308723	12.206474	13.243033	11.416396	11.704012	12.343810	12.654882
308725	11.924048	12.466041	11.585193	11.152082	12.802351	11.919653
308754	9.188960	8.880104	9.572151	8.214805	9.185842	9.238046
308761	9.675445	8.461152	9.308817	8.262706	9.159897	8.657533

308766	8.282393	9.635519	8.581502	9.849264	9.063665	8.563997
308784	15.235235	15.603337	14.562144	15.054082	15.930659	15.398852
308790	7.321387	7.265568	7.916417	8.412316	9.568982	7.810379
308793	7.390341	9.015666	7.988855	7.772216	8.871566	7.741332
308822	13.286374	12.868635	12.099502	12.220868	13.214636	12.661938
308836	10.079285	9.824052	9.665496	7.827311	8.225111	8.129077
308846	10.006621	8.789012	9.773799	8.611283	8.870087	8.084968
308858	7.417431	8.238023	8.312429	8.195003	8.102343	7.995485
308861	13.336833	13.481717	13.013036	12.781688	13.547338	12.911744
308907	7.541097	9.798796	7.106432	8.073017	10.164040	8.623260
308913	10.958408	11.342364	10.307725	11.821515	11.986934	10.472599
308943	18.215012	17.343814	16.533682	16.094588	16.474300	16.509927
308947	7.878971	8.659604	7.634884	7.791749	8.527790	7.877622
308985	16.976305	16.891910	16.882559	15.499139	16.124293	16.072778
309006	8.053274	7.938286	6.869501	8.480992	8.997603	8.431163
309023	8.947929	8.563120	8.759888	9.328069	8.323685	8.529977
309033	8.546046	9.678565	8.130159	9.083267	9.874382	8.460128
309034	9.020424	8.760188	9.583233	10.140970	9.487840	8.424376
309042	16.197817	17.140217	15.494808	16.842419	18.583988	18.050436
309058	11.407629	11.457617	8.372517	10.353400	11.681181	11.055249
309086	13.774157	14.734702	12.711564	13.471093	14.845288	14.805450
309091	10.372974	11.900252	10.413110	12.099591	13.328525	12.797532
309098	8.994721	9.409773	7.354558	7.796169	8.367895	7.869440
309111	14.083650	14.310493	12.906626	12.837726	14.462919	14.430200
309120	15.317261	15.995677	14.718510	15.126055	16.477673	15.896843
309126	16.309133	16.050743	15.804893	15.473375	16.403415	16.270360
309143	18.548573	18.966461	18.090865	18.505932	19.534361	19.128868
309186	13.004712	13.648637	12.195394	13.182368	14.657446	14.126035
309203	9.217546	11.686409	9.486453	12.100616	13.812570	12.590014
309205	13.572711	13.963439	12.916415	13.426342	14.294227	13.798062
309248	8.066789	7.790316	8.362689	8.737687	11.043984	10.431174
309252	10.928777	8.404162	8.033093	8.819572	8.901802	8.991947
309261	16.704762	16.910041	16.096214	15.969814	17.181146	16.705920
309283	11.076401	12.296890	11.119402	9.871243	10.585085	10.897006
309290	7.940578	8.204669	7.776499	8.421602	8.757857	8.168421
309297	12.693014	12.966752	12.618186	12.194381	14.054088	13.159874
309328	10.383402	10.963207	10.723192	10.527379	11.149322	11.592387
309377	12.115027	12.114064	10.134952	12.089282	12.942460	11.801126
309382	7.910253	9.112257	8.503388	8.021757	9.036229	7.856861
309430	12.898539	13.507523	12.216928	12.322937	13.780413	13.362901
309442	13.432158	14.291336	13.348276	12.996692	13.949208	13.797614
309451	15.401324	16.429402	15.469265	16.439129	17.546730	16.797848
309460	14.553576	15.295804	14.392525	14.120483	14.809432	14.712850
309470	11.734540	11.937205	10.133348	11.127762	13.029273	12.242558
309487	8.726184	7.774655	7.199672	8.935843	8.784308	8.650729
309553	12.666035	12.830331	11.839389	12.098220	13.387860	13.005847
309584	7.922793	10.575813	7.539159	6.929199	10.325350	10.088603

309588	9.076335	7.956521	9.492915	7.690277	8.623881	7.802839
309617	7.888317	7.901410	7.481315	10.829144	8.320620	8.273329
309624	13.550479	13.709659	11.917984	13.552611	14.623437	13.735104
309644	7.707083	8.065928	7.537917	8.145677	9.085047	10.104900
309651	9.221950	10.003420	7.926296	8.291493	9.038590	8.750640
309675	13.328479	14.621860	12.871572	13.338438	14.260676	13.538467
309734	8.718088	8.513451	7.709222	9.844392	9.050774	8.353632
309759	11.860854	12.130484	10.452499	11.853964	12.906981	12.298750
309760	8.257105	8.834250	8.894969	8.013797	9.347488	8.390642
309778	8.568032	9.422191	8.019368	7.987264	10.528981	9.623388
309779	8.451747	8.318452	8.692790	7.586014	8.750607	7.554589
309783	8.274821	7.579391	9.150560	8.572473	8.696585	7.983450
309800	8.293104	11.527550	8.838448	8.023643	11.163901	10.969027
309805	8.212910	8.838448	8.473462	8.992938	9.816376	8.015192
309811	10.376896	13.366544	9.373539	12.497113	14.148769	12.765191
309815	7.393090	8.098822	7.281235	7.791423	8.481315	8.748696
309824	8.101503	8.402799	8.472528	8.647422	9.240243	9.576749
309847	15.352874	15.121619	14.762299	14.168391	15.178540	14.794889
309860	9.099348	9.111397	7.924219	8.707256	9.169649	8.546817
309866	8.372909	8.240362	8.361066	9.225593	9.306472	8.352485
309879	12.455738	13.150888	12.635741	12.071767	12.551742	12.421094
309885	8.551362	8.655781	8.632850	8.000563	8.467850	7.800188
309889	13.266156	13.130001	12.253936	12.096771	13.625583	13.109124
309908	9.003265	9.076575	8.552823	7.214222	9.276613	8.381629
309937	6.466301	7.939285	8.566777	8.501001	8.195397	8.803324
309949	8.617063	8.723832	7.724446	8.140830	9.053709	7.593727
310004	14.769678	14.905859	14.165788	14.264488	15.326778	14.780833
310009	10.305070	10.025195	9.518319	9.780540	9.556678	9.638508
310034	7.915401	6.731862	7.730640	7.649831	8.838857	7.493375
310061	15.076391	15.646351	14.637332	14.885141	15.763067	15.537916
310064	13.803024	14.189157	13.400926	12.996276	14.653390	14.252057
310072	7.561861	7.612058	9.113456	8.273329	8.356672	8.342741
310106	7.232661	7.746380	6.731591	8.115096	8.319311	10.349204
310120	9.055987	8.296595	7.711495	7.917790	8.950935	8.794123
310123	12.837719	12.654607	10.766065	12.039885	12.611341	12.198589
310124	12.943866	13.577454	11.859577	12.815221	14.107331	13.600367
310130	7.708877	9.232373	7.666686	7.119356	8.214173	8.916178
310139	11.823574	12.986567	11.898919	11.398599	11.618096	12.192157
310174	11.642255	13.175893	10.975002	13.053261	14.749059	13.967000
310187	8.892998	7.684959	7.536364	7.875289	10.012960	8.098716
310205	8.773007	7.931978	7.346868	7.436878	8.573079	8.005568
310210	10.852358	11.647139	8.242126	10.769623	11.342947	10.958357
310231	10.365885	11.510833	10.526900	10.630103	10.821638	11.020911
310233	13.173562	13.685317	12.602133	12.839086	13.880015	13.646817
310265	8.762548	8.464178	7.686360	7.934045	9.309590	7.777091
310294	15.896244	15.864116	14.826366	15.181365	16.531561	15.950255
310335	11.639517	12.239951	12.160562	11.131683	12.744523	11.922105

310349	9.474132	10.943306	9.233692	10.001099	11.454952	10.765957
310368	7.211694	6.229011	7.593503	6.824131	8.707359	7.902315
310400	11.673101	13.774336	10.642945	12.291600	13.606279	13.113452
310407	7.731658	8.096293	7.156134	7.675675	9.021591	8.016195
310410	8.046142	7.078845	7.786923	8.148934	7.905026	7.369466
310414	8.810250	7.992089	8.533408	8.994693	8.864093	9.449706
310434	10.619661	8.808739	11.296738	9.630486	8.324136	8.157953
310452	13.043114	13.989652	10.450809	12.862633	14.543991	13.820712
310457	8.837723	13.700103	11.083027	12.943747	12.821975	13.096628
310484	11.074215	10.938308	10.070362	9.604979	11.202179	10.985842
310498	9.632086	10.854650	7.907492	9.861893	10.803905	9.495735
310513	13.795803	14.274200	12.231227	13.499979	14.598294	14.222724
310517	10.095080	10.008947	8.112022	10.618486	9.601919	8.729723
310551	7.807484	8.007308	7.718293	8.008261	8.268238	7.751745
310556	10.147714	12.365401	8.263457	10.316564	11.420171	11.768308
310587	6.147510	5.736605	7.872521	6.298292	6.495695	6.690836
310647	8.487961	9.933219	9.322446	9.169224	8.482727	8.822348
310662	13.270622	13.361842	12.945025	12.234069	12.746701	12.355021
310671	7.489607	9.043602	9.019062	8.795780	8.881206	8.149239
310681	9.141954	10.349934	9.594623	11.190139	9.198028	9.894120
310716	9.789061	9.487519	10.235236	9.017365	10.183040	10.007812
310731	12.790917	13.190940	12.534317	11.940281	13.402921	13.158611
310752	12.945490	13.156545	12.149715	11.890317	12.858179	12.934776
310764	8.031274	8.790446	8.832637	8.071945	9.542219	7.831687
310766	14.003595	14.103123	13.625596	13.028208	14.369779	13.808565
310772	7.841155	7.705079	7.852373	8.243126	7.878235	8.169825
310801	12.678202	13.153573	12.485925	11.500419	11.667546	11.666322
310810	12.540801	13.208763	10.952887	12.549530	13.815936	12.945254
310811	8.721133	8.162140	8.236684	7.269875	8.477475	9.188910
310836	12.793540	14.579274	12.928798	13.319243	14.117960	13.979115
310840	10.805220	11.169656	8.691848	12.442088	13.884913	13.066996
310863	10.284361	10.548745	9.465791	9.739055	10.329897	10.260896
310869	9.393090	8.609290	9.035981	7.367458	7.416924	7.234578
310877	8.277473	8.696098	7.296641	8.299529	8.534420	8.886642
310990	8.974386	7.986809	8.300490	7.930974	9.203128	7.865176
311006	13.274464	13.492548	12.252887	12.410751	13.746763	13.510066
311048	8.796429	8.056692	8.536519	7.865115	7.694602	8.294391
311052	13.436240	14.781553	10.985422	13.854314	15.088272	13.863961
311086	10.180406	9.049522	10.243983	7.838700	9.308407	9.395406
311095	8.075479	9.025970	7.863815	8.579467	8.761053	6.048759
311119	14.145541	15.121151	13.713513	14.013695	15.404810	14.867657
311131	8.523601	8.951022	9.833001	7.303415	8.156943	8.505057
311137	14.333417	14.309653	13.343161	14.188823	15.578540	14.974591
311160	8.579618	8.626877	8.601288	8.280446	8.580334	8.066789
311181	11.707182	12.654186	10.400175	12.598264	13.688748	13.432838
311184	8.049467	8.215824	7.975791	8.534186	9.136684	10.965936
311190	12.956719	13.716046	12.939550	11.398706	11.526519	12.352504

311243	13.030965	13.846698	11.739046	13.167486	14.406436	13.943628
311251	14.717694	15.108109	14.122826	14.110909	15.020644	14.967910
311255	8.806807	8.026302	8.362864	10.696463	9.046551	8.745708
311257	17.239258	17.306930	17.294656	15.650530	15.517511	15.939209
311342	9.298773	8.452159	9.957842	9.796169	9.550516	6.743892
311389	10.613219	11.874171	10.516055	10.283956	11.065833	10.580720
311394	12.662929	13.527671	11.150687	12.868003	13.911251	13.308215
311396	8.610730	9.870765	9.119849	11.472183	10.097742	10.848020
311416	7.884537	8.158054	7.868946	7.757557	10.233775	10.578005
311417	14.175736	14.876657	13.979306	13.880761	14.968275	14.528886
311434	7.568716	7.970509	7.354382	8.363083	9.182965	7.642413
311449	10.023352	11.904093	9.271066	10.966318	12.944384	11.987712
311493	7.825849	9.683819	8.615151	8.517984	11.429360	11.297123
311530	7.955185	10.770119	9.279657	10.386811	10.350409	10.450871
311542	9.843340	8.667821	6.593802	6.455163	9.054062	8.590475
311584	14.641541	15.144289	14.453701	14.608042	15.364629	15.134367
311624	11.805978	11.498465	10.581153	8.241268	10.838046	10.779998
311637	7.068671	8.648897	8.085552	7.758090	9.895575	8.440329
311643	8.445884	8.678530	8.576295	7.391802	9.761584	7.968897
311659	17.043152	17.707474	16.865032	16.981539	17.498748	17.501330
311678	8.705079	9.842460	8.988543	8.918714	9.826056	8.797305
311694	10.688993	10.031315	9.024946	9.753752	10.510566	11.518265
311734	16.098930	16.365199	15.696461	15.926808	16.354647	15.749699
311758	11.680720	13.414313	11.592649	12.232907	13.311520	12.949026
311769	8.859473	7.438126	8.076869	8.220862	7.351204	7.795585
311790	7.517669	8.542800	7.486634	8.140983	7.651554	7.313609
311817	10.003968	10.952632	9.336105	9.655727	9.972650	10.486594
311821	10.227796	10.496524	9.346093	9.873290	11.379752	10.334072
311833	13.842976	14.486492	13.595139	13.948362	14.743828	14.355721
311856	15.295274	15.283982	14.194851	14.577950	15.643947	15.302215
311876	11.391850	12.264651	11.081989	10.775125	9.549515	9.543515
311919	8.907041	9.603701	9.428695	8.568184	7.878541	8.198543
311946	10.944361	11.602309	9.649615	11.225762	11.847891	11.285391
311995	8.136171	7.506288	7.523248	7.781622	8.170876	7.757690
312013	13.181958	13.256120	12.390814	11.910403	12.936441	12.632209
312020	8.190072	8.021035	8.166113	8.898118	10.708722	8.213687
312029	7.579693	9.120030	7.905568	7.115720	10.672319	9.425615
312031	9.989778	8.249161	8.334676	8.246408	8.566891	7.540322
312067	10.100623	9.759938	9.086534	9.638364	10.346181	7.908873
312080	11.647099	12.805111	10.974565	11.431879	12.410711	11.918807
312088	7.471513	7.517354	8.289881	5.791033	8.663273	7.079378
312133	8.655209	9.145881	8.564721	9.065093	9.009493	8.247026
312135	9.753133	11.363418	8.798051	10.495585	11.705844	10.803606
312137	9.203275	9.615593	9.436961	9.898617	10.305583	7.917909
312148	15.106603	15.202251	14.832532	14.234367	15.559440	15.142170
312162	8.673450	9.669789	8.923327	8.786531	10.459688	9.583102
312168	11.710195	11.965218	11.654502	10.219544	11.065207	11.226539

312249	14.459743	13.990032	10.506149	13.337554	13.719301	13.399016
312274	10.548022	10.515384	8.710290	10.277462	10.572350	8.666721
312292	6.562853	6.563463	7.434628	7.972693	7.969358	8.015973
312322	11.492559	11.953276	10.107819	10.500623	11.762639	11.386757
312356	10.723431	10.908760	8.692092	10.196504	11.524884	11.484627
312376	15.992063	15.572600	14.558405	14.466130	15.441636	15.114232
312391	9.788017	8.865702	9.281374	9.010025	8.435879	10.135607
312450	10.961775	10.014718	9.797840	9.428360	10.711555	10.527760
312503	11.818902	10.959321	10.103511	8.783031	10.023449	9.983492
312549	9.999775	11.473559	8.774853	9.793473	11.012645	10.651132
312581	15.704084	16.153201	14.387949	15.841447	16.718654	15.568496
312593	14.241963	14.762780	12.682543	14.296832	15.391381	14.970047
312653	9.098427	12.493560	11.038199	11.854054	12.092357	12.080021
312697	8.754988	8.773238	8.758723	8.268425	9.941121	8.897029
312704	10.718841	12.486471	11.124328	11.349574	12.327384	11.540966
312707	7.354822	7.901591	7.607922	8.258849	8.291539	8.309795
312711	11.359618	10.859838	10.031660	10.342653	10.632923	10.907920
312739	10.389266	8.647566	8.028901	8.728533	10.420929	9.686010
312743	7.276031	8.657676	7.793766	7.668389	8.591822	7.218781
312744	12.777257	13.149411	11.690871	12.765185	14.282703	13.598312
312780	8.986667	7.945970	8.044995	8.453106	9.904815	8.397033
312787	8.569856	9.174901	8.247310	8.172578	8.532512	8.145117
312791	9.743236	10.955933	10.042904	10.965972	11.925443	11.492895
312816	15.582095	16.226081	15.689887	15.678051	15.864509	15.681666
312829	12.091594	12.653383	10.249955	11.776902	13.107876	12.255672
312835	13.877926	14.602167	12.762002	13.219807	14.739714	14.166048
312883	10.875350	11.631018	10.830246	10.235201	9.702554	10.832471
312891	14.007598	14.288535	10.746296	14.019951	15.072633	14.143768
312895	7.732201	7.422317	7.583534	7.967457	8.736537	7.836808
312925	9.306267	9.488382	8.852373	8.951110	9.468196	8.626366
312951	13.367396	14.193451	13.136294	13.425937	14.323788	13.754404
312996	13.298585	13.830591	12.486486	12.587292	13.183806	13.066230
312998	8.184479	9.666117	8.737011	9.871505	8.663772	10.760670
313009	10.366519	7.611689	6.810443	7.343852	8.412189	10.371363
313014	7.099400	10.927022	7.157852	8.259696	8.150407	7.688110
313028	8.473543	8.132834	8.009269	8.380461	9.990912	8.214853
313055	9.717077	6.948718	7.352264	7.457052	8.632195	9.638726
313098	7.882582	8.206965	10.207234	8.257624	9.244102	7.971371
313129	10.086733	11.160886	10.284014	9.415256	9.630249	9.203054
313142	14.534428	14.702131	13.965421	13.750323	15.131150	14.598771
313167	11.793778	12.143763	11.025465	11.568118	12.497847	12.372598
313245	9.154793	8.839361	7.893605	8.408372	10.079245	9.457607
313282	14.893757	14.869536	14.637027	14.378297	15.271349	14.804648
313325	6.463851	7.580522	6.955243	7.735725	7.893544	8.289650
313335	7.819796	8.263551	7.819860	7.287343	8.902526	7.344385
313336	12.522677	12.976772	11.826938	11.241191	12.716500	12.509901
313342	7.501439	7.193673	7.165711	7.788164	8.227279	8.538034

313345	10.487056	11.738325	10.326935	11.831929	11.676949	11.372794
313346	9.035321	9.650100	7.978939	8.548398	9.078898	8.152133
313388	8.319040	8.163851	8.360320	8.309976	9.220523	8.865857
313398	13.257733	14.299256	11.338190	13.897541	14.755791	14.787500
313402	14.616311	15.056396	14.113325	14.398109	15.964335	15.184979
313407	13.055223	13.238553	13.060152	11.806252	12.109462	11.983574
313414	12.786903	13.256044	12.186337	12.064948	12.696876	12.680694
313415	9.525443	7.281235	7.809029	6.986866	9.434816	8.601511
313421	12.032156	12.556523	11.319593	11.724386	12.196608	11.959462
313467	9.445615	8.391029	8.971601	8.929761	9.257741	9.345738
313470	14.783300	15.368019	14.583368	14.161476	15.315413	14.793039
313527	15.112624	15.592429	14.171608	15.069331	15.660819	15.240722
313536	9.649669	9.589445	9.309931	10.151904	10.976535	9.491693
313559	9.701497	7.923862	7.941165	9.155603	8.795715	8.227375
313590	8.780212	8.528063	9.695820	9.508508	9.583346	8.396519
313644	14.310052	15.511313	13.887455	14.371555	15.802423	15.316581
313652	17.646553	17.127712	17.064161	16.345563	16.802472	17.010878
313661	12.405482	13.276191	11.841615	11.957247	12.931149	12.711809
313669	14.738569	15.230663	14.355339	13.844153	15.204111	14.645293
313693	7.418359	9.516311	7.141188	6.908573	8.145932	7.403182
313737	11.164065	11.821300	11.115167	12.107609	12.671212	12.746949
313753	12.508416	12.308999	8.341763	12.250275	13.357247	12.318243
313764	10.987292	11.675119	9.745456	10.483342	12.451572	10.818271
313790	9.745691	8.804196	9.064824	7.948776	10.191602	8.535392
313803	13.058379	13.691255	12.325131	12.971588	13.592160	13.281772
313808	8.408797	11.010423	7.794871	10.006761	10.367196	8.682047
313864	9.438230	10.677984	9.871135	9.065093	9.188193	10.125426
313876	8.354778	8.963272	7.781556	7.055716	8.170476	7.299483
313927	7.891784	8.124793	7.134118	7.074891	7.441035	8.414347
313942	8.638581	8.477111	8.978167	8.599355	8.550477	7.119979
313949	11.358514	12.693293	11.739603	11.313172	13.102465	12.118234
313957	10.347256	11.495915	7.704734	10.639549	12.120079	11.609844
313999	8.526930	8.675710	11.190454	9.764822	7.995654	9.382905
314011	8.928874	9.109752	7.888926	8.007083	8.583045	8.410621
314016	9.003799	8.636371	9.796494	9.175125	9.366104	9.523170
314028	11.002717	11.039577	9.603459	9.849687	11.096722	10.728796
314029	9.100268	9.153957	8.614783	8.955417	10.384762	8.186312
314048	9.636335	10.717916	9.157625	7.737822	8.653383	8.664198
314050	13.771268	13.992325	12.899026	13.188556	14.257783	13.548809
314070	8.484098	8.946234	7.989196	7.711770	8.926770	8.334497
314102	9.330222	8.874520	8.239121	8.900837	8.527790	8.805841
314114	12.272327	12.562674	11.195766	11.880839	12.932191	12.391225
314127	8.072267	8.619193	8.544346	8.286049	9.987449	9.548860
314159	10.798375	10.701748	8.644037	9.979425	9.270295	9.398102
314264	10.736884	10.287909	9.835529	8.866104	9.794172	9.847887
314308	9.281235	8.003771	8.159266	8.373300	8.554666	8.851905
314325	7.482364	8.760520	8.083798	8.448529	9.457360	8.044449

314328	9.752966	11.294845	10.538199	9.101450	11.750016	10.570292
314329	10.711650	8.435712	8.782998	9.323550	11.061911	10.191849
314346	8.920293	7.975103	8.073499	8.843450	10.652011	9.800835
314374	9.805970	10.735894	10.070497	9.514852	10.718404	10.122634
314402	11.274908	12.049188	10.276113	11.109432	12.252979	11.911126
314424	11.604734	12.635793	11.249588	11.212527	11.848283	11.840947
314434	16.115813	17.529822	16.329945	16.441387	16.574170	16.741462
314470	14.810467	15.026564	14.036551	13.947747	15.245361	14.844276
314506	8.280075	7.522542	8.171177	8.079378	8.996812	7.698496
314528	7.266224	7.124845	7.748461	7.855118	8.025527	8.095133
314537	7.647099	7.480669	7.359398	8.736131	8.262706	7.122569
314556	7.765336	7.670515	7.716854	7.766198	8.961044	8.448529
314586	17.347635	17.344373	16.952457	16.156010	16.927069	16.513819
314598	12.855501	13.543709	12.705324	13.276815	14.456715	13.761968
314631	9.456395	9.398637	8.361900	9.578297	9.427313	9.634267
314636	16.792100	15.919423	15.528425	15.191453	15.250637	15.668329
314650	10.969559	13.012263	12.376649	11.757848	11.419728	12.398802
314651	8.842130	7.816856	9.077136	7.954371	8.881206	8.141750
314652	7.703211	8.125930	9.275566	7.566206	7.774062	8.142771
314654	9.216479	10.363062	9.518260	11.259549	11.748579	11.099348
314661	8.312475	8.328047	9.377514	9.399107	8.382970	8.542954
314711	8.191602	8.096873	7.997179	7.812049	9.119123	8.326070
314714	11.151797	11.574135	10.775256	11.408202	12.440218	12.224445
314724	11.866943	12.100275	11.840912	11.535630	12.062785	11.897240
314727	13.835547	16.179721	14.557698	15.360700	15.943271	15.653015
314757	10.239527	12.282078	8.632995	9.777124	8.587590	9.435879
314856	6.922793	7.284755	7.906289	8.390083	7.882276	7.818838
314968	15.757713	16.319546	15.176949	14.519857	15.956028	16.000482
315022	10.431393	10.484531	9.123811	7.339137	9.648663	9.923194
315030	14.269279	15.124596	10.768102	16.173958	17.741455	16.481016
315068	7.992202	9.371145	7.774458	8.950293	10.133682	9.051046
315101	12.822629	13.582823	12.281681	12.416750	13.546517	13.275743
315106	8.071301	7.962896	8.416037	8.196184	9.239097	8.364572
315111	7.950527	8.385949	8.180705	8.395320	7.954720	7.943335
315112	9.334497	8.435920	8.834787	8.301633	9.221732	7.868946
315141	14.547136	15.404554	14.488339	13.707140	14.962097	14.700308
315151	10.900799	12.559630	10.807886	11.210927	12.048334	12.030788
315176	8.655101	8.553322	9.060237	9.592102	9.090748	9.458058
315190	10.750263	13.073122	11.252778	10.546846	12.053118	12.437253
315206	8.119408	8.052840	9.583177	8.520619	10.577646	10.277253
315249	7.956638	9.097163	7.401562	7.668885	10.147548	7.944800
315253	8.193230	8.120134	7.310976	8.335837	9.179884	8.587365
315294	17.069942	17.300112	16.098225	16.719929	17.649220	17.039290
315341	7.979225	7.891905	7.573950	7.592233	11.935780	8.258330
315353	8.859286	9.111866	8.654994	9.347666	9.907747	8.900414
315355	9.110327	8.715825	8.506803	10.448271	8.704595	8.588865
315356	9.453168	11.218981	8.665194	9.799864	9.351359	9.954531

315360	11.712222	11.503388	9.963806	10.693661	11.081816	11.081716
315372	9.471716	10.576721	8.004220	8.645550	9.250014	9.422948
315408	11.175300	11.670245	9.723849	11.193747	12.643268	11.804248
315460	9.019313	11.874224	8.000394	8.011563	10.334363	10.434743
315461	11.396824	12.391657	10.374844	11.469153	12.460064	12.295967
315496	7.716031	9.493495	9.654958	9.139014	10.081204	7.795650
315512	8.704941	9.275193	8.340829	8.837123	10.588246	9.810395
315559	17.674205	17.374413	17.021058	16.582488	17.616387	17.251712
315586	12.890905	13.532522	12.127108	12.597429	13.547826	13.099994
315594	13.207969	13.859228	13.114580	13.196076	13.038504	13.492485
315597	11.872702	13.261604	11.578146	12.226749	13.628722	12.599102
315657	7.292045	8.049467	6.733219	7.929791	8.073392	7.735793
315669	11.066022	9.417346	10.089781	10.177619	9.758440	9.857654
315710	13.892055	13.820729	12.585411	12.608994	13.421252	13.366938
315737	12.596353	15.262992	11.526533	14.277013	14.911298	14.630228
315756	8.548668	8.905146	7.472244	7.627826	10.286269	9.050611
315802	15.291053	15.451050	14.751464	14.637793	14.727099	14.370952
315811	8.067058	8.599838	8.186461	7.286142	8.730606	8.564416
315822	11.533534	13.272713	10.938999	11.147179	10.897520	13.159523
315838	16.201089	16.449869	15.733040	15.778815	17.099814	16.616956
315886	12.953989	13.785617	12.383164	13.307076	14.000077	13.600059
315892	10.266142	11.148381	10.401018	10.452602	11.657189	11.508944
316006	8.407140	8.659604	8.610951	8.763113	11.040392	9.232757
316013	7.735996	10.979118	10.231221	9.395834	10.242067	8.695889
316015	10.840864	13.031629	10.611338	12.624147	14.058737	13.403025
316026	13.218951	13.740203	12.765744	12.738090	14.035659	13.643707
316090	11.999147	12.298449	11.395684	10.686676	11.052419	11.040968
316096	9.900565	10.097189	9.826771	8.723047	10.066331	9.208429
316110	8.156032	8.465526	7.139961	8.361330	8.569552	8.234817
316115	8.679234	8.586840	7.982537	9.598053	8.266787	8.147510
316156	10.390663	12.925579	10.054903	12.169966	13.086352	12.945120
316157	7.928015	8.197954	7.869871	7.968724	8.311385	7.816856
316200	6.896756	8.577580	7.943687	7.742276	7.880012	8.439124
316223	14.303364	15.994394	13.499536	15.118650	14.945911	15.218378
316240	8.673062	9.254863	8.243936	9.988102	8.834629	7.896998
316250	11.160527	11.755142	10.324811	11.390217	13.054484	12.460446
316256	12.455602	13.461729	10.075065	13.945618	15.710243	14.694244
316260	8.035404	8.190368	8.631905	7.947374	10.673601	7.796818
316262	9.275985	9.897785	8.508983	8.612684	8.876885	8.846149
316264	9.376820	8.082256	7.727036	8.094500	8.806356	8.807967
316270	8.985244	11.151625	9.892482	8.526656	7.912710	8.870704
316279	12.025146	11.971515	10.771126	12.239163	14.285303	13.099070
316283	9.170551	7.692999	7.594922	8.576787	8.386725	7.916059
316311	12.999905	13.893101	10.561651	13.656473	14.987410	13.713200
316369	8.131548	7.213736	8.281420	7.495135	8.503627	7.761019
316370	9.879736	8.903370	8.618936	9.026717	9.087755	8.262142
316375	15.077954	15.273965	14.734972	14.050431	14.870189	14.467546

```

316378 14.487508 14.435109 13.397557 13.246476 14.680768 14.109009
316400 8.302502 8.899417 7.960987 7.913608 8.890903 9.402138
316433 13.829505 14.094726 13.309749 13.323159 14.677415 14.409626
316436 16.151231 16.856595 16.204539 16.081354 17.059038 16.854729
316450 8.331544 9.116370 7.736808 7.595295 8.847308 9.164480
316461 8.663558 9.499667 7.647602 5.086614 10.594101 10.550997
316469 7.992655 8.518928 7.717059 10.160943 9.054469 8.183685
316473 8.538305 8.020258 8.733863 7.400879 8.129541 8.249113
316492 9.832716 9.952057 8.326834 9.834771 9.054631 10.398049
316510 13.051540 11.948926 12.089245 10.507557 9.625581 10.375094
316559 14.533742 14.522404 14.489495 13.403704 13.719007 13.507274
316561 11.913544 12.013372 10.914206 11.576579 12.807677 12.097005
316570 7.824068 7.550131 8.019257 7.482848 8.538111 8.253942
316587 8.409051 9.305765 11.935780 8.864774 8.583384 8.965409
316642 9.259884 7.764009 8.234913 7.615372 9.042070 9.467402
316646 8.206038 9.477090 9.105228 7.636987 9.021924 8.096241
316676 9.977022 9.759622 9.681080 9.130828 9.687726 9.996841
316681 8.338870 7.801741 9.146416 8.224436 8.160426 7.402671
316701 10.493335 10.830935 11.169599 9.889565 8.403992 9.902616
316711 8.976106 8.008092 8.710531 8.234578 8.446256 9.164756
316748 7.539236 7.248592 6.964283 8.630121 8.255359 8.375387
316778 8.004389 9.889504 7.196627 9.718447 11.204748 10.125039
316830 15.417707 15.209829 14.016008 14.625699 15.706783 15.382620
316843 10.968278 12.244741 11.026108 11.282353 11.438100 11.479406
316868 8.627680 9.455656 8.541135 9.017337 8.078738 7.104546
316901 7.928015 7.911991 8.398829 8.471147 8.237831 8.201242
316916 8.110770 8.188638 6.781622 7.993618 8.115408 7.322199
316933 9.722432 11.911227 9.671842 12.140421 13.513175 11.743240
316944 11.893798 11.310181 10.086043 11.374447 11.836181 11.296882
316945 11.083712 14.238967 12.008050 12.649663 12.781724 13.008479
316991 9.911467 10.081683 8.664625 10.979597 11.469586 10.408266
317005 10.176572 10.021549 7.657068 9.424334 9.603515 9.570691
317008 8.567956 8.040673 8.238261 8.512464 8.564454 8.335569
317015 14.738350 15.264992 14.266736 14.284354 15.231756 14.882023
317017 9.700353 10.205353 8.575464 8.211840 7.846243 7.458776
317030 11.396674 12.656409 10.992818 11.206636 11.928800 11.914333
317031 11.492314 12.219405 11.653503 11.468344 11.490249 11.473822
317064 10.763212 10.982152 11.077170 9.579335 11.543631 11.284893
317068 15.273518 16.343348 14.821403 15.707711 16.935523 16.028118
317099 8.361154 7.631177 7.497213 7.608661 8.155931 7.223229
317132 15.398115 15.746135 14.795386 14.946054 16.060911 15.556200
Slot "se.exprs":
<0 x 0 matrix>
Slot "description":
An object of class "MIAME"
Slot "name":
[1] ""

```

```

Slot "lab":
[1] ""
Slot "contact":
[1] ""
Slot "title":
[1] ""
Slot "abstract":
[1] ""
Slot "url":
[1] ""
Slot "samples":
list()
Slot "hybridizations":
list()
Slot "normControls":
list()
Slot "preprocessing":
list()
Slot "other":
list()
Slot "annotation":
[1] ""
Slot "notes":
[1] ""
Slot "phenoData":
An object of class "phenoData"
Slot "pData":
      num sample wk
MA001I9   6     11 15
MA000V0   7     30 15
MA0019Y   8     31 15
MA000UR   9     13 19
MA001I7  10     14 19
MA001D0  11     15 19
Slot "varLabels":
Slot "varLabels":$num
[1] "read from file"

Slot "varLabels":$sample
[1] "read from file"

Slot "varLabels":$wk
[1] "read from file"

Slot "varMetadata":
NULL data frame with 0 rows

```


As instead to access to the phenoData associated to the signal you can use:

```
> pData(signal(test))
```

	num	sample	wk
MA001I9	6	11	15
MA000V0	7	30	15
MA0019Y	8	31	15
MA000UR	9	13	19
MA001I7	10	14	19
MA001D0	11	15	19

3 Subsetting applera objects

Two function have been implemented to allow probe-specific and experiment-specific subsetting:

- `subExp`, this function subsets an `appleraSet` given a vector of `sampleNames`. It needs two parameters: the `applera` object and a character vector containing the names of the arrays to be extracted.

```
> subex <- subExp(test, rownames(pData(signal(test)))[c(1, 3, 5)])
```

- `subGenes`, this function subsets an `appleraSet` given a vector of `geneNames`. It needs two parameters: the `applera` object and a character vector containing the `geneNames` to be extracted.

```
> subgx <- subGenes(test, geneNames(signal(test))[1:10])
```

4 Quality Control through Data Exploration

4.1 Plotting probe data

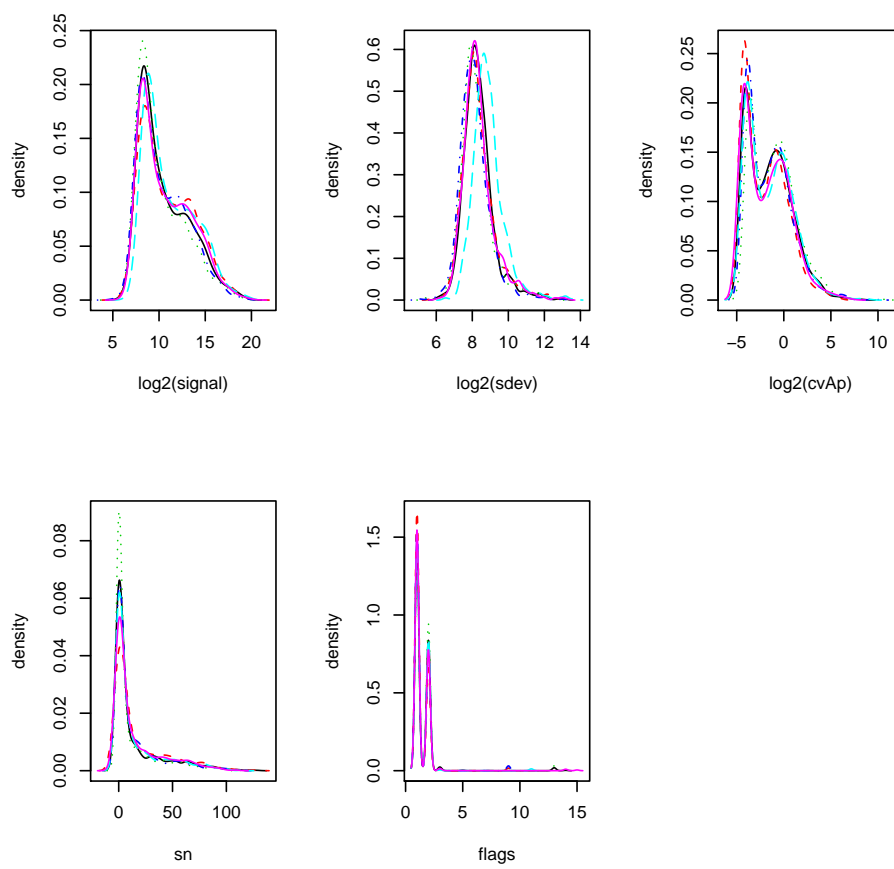
Several of the functions for plotting probe data are useful for diagnosing problems with the data. The plotting functions `boxplot` and `hist` have methods for `applera` objects. The method `hist` allows to generate density histograms for all the slots of an `applera` object.

The method `boxplot` produces box-and-whisker plot(s) of all slots of an `applera` object. The method `mvaAp` allows the generation of `mva.pairs` plots.

```
R> samples <- sampleNames(signal(test))[which(signal(test)$wk==15)]  
R> mvaAp(subExp(test, samples))
```

These functions can be particularly useful in diagnosing problems in replicate sets of arrays.

```
> hist(test)
```



4.2 Quality of replicates

An important issue in microarray analysis is the quality of replicates. The r-squared coefficient, which represent the fraction of variance explained by a linear model, is the parameter most frequently used to evaluate replicates homogeneity. It varies from 1 to 0, where 1 indicates that the two sets of data are identical, while 0 indicates the absence of similarity between samples. Good replicates are usually characterized by an r-squared greater than 0.8. A more efficient way to identify subtle differences within replicates has been introduced by Irizarry (http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15846361). Irizarry approach, is based on the use of a reference array against which biological replicates are compared. The homogeneity within replicates is then evaluated at the level of absolute expression fold change variation of each gene with respect to the reference. Each biological replicate is described as the sorted list (absolute fold change variation descending order) of all probe sets. Homogeneous replicates having at the top rank positions (e.g. 100-1000) a concordance in probe set composition of at least 0.4, correspond to a r-squared between replicates greater than 0.9.

This approach has been implemented in a function called *CATPlots*. The *CATPlots* accepts `applera`, `exprSet` objects and numerical matrices. It has been designed to allow the quality evaluation for two groups experiments. In the case of the `applera` object `test` the quality of wk19 condition can be compared with that of wk15 condition and viceversa.

From the *CATPlots* it is clear that the wk19, left panel, are homogeneous within each other (curves with the same colour). However, replicate quality changes depending on the wk15 reference sample used (the reference array names are located in the upper part of each panel and are associate to specific plotting colors). The option `upsideDown=T` allows to revert the comparison (right panel). From this plot it is clear that the quality of the wk15 group is much lower of wk19. It is interesting to note that the r-squared for the wk15 group is greater of 0.85, suggesting that *CATPlots* better highlight subtle differences between replicates.

```
> xx
```

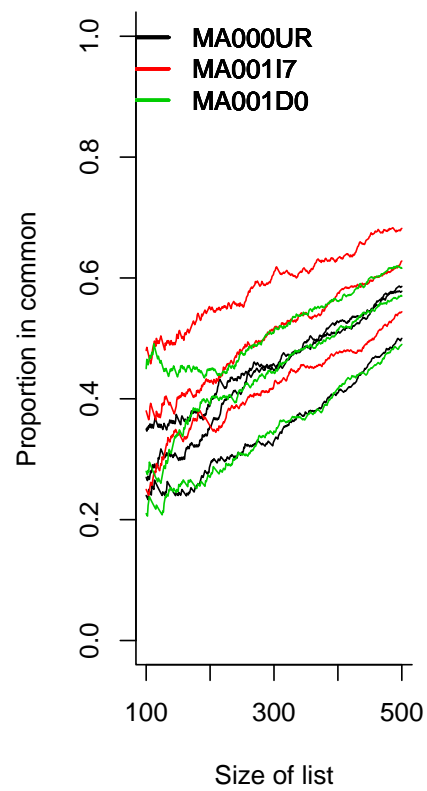
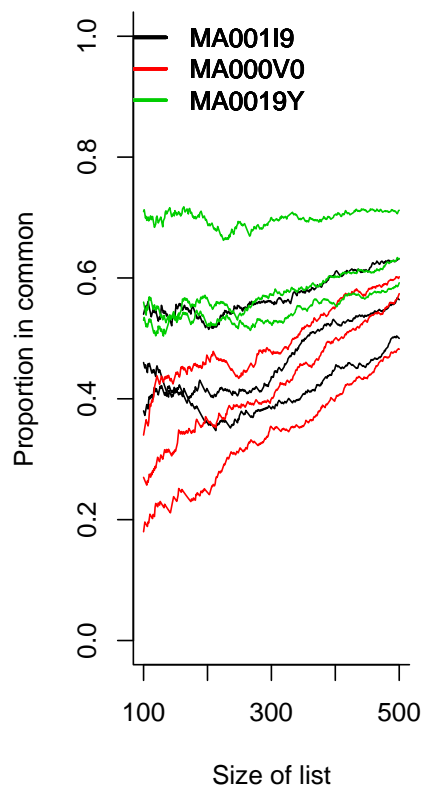
```
$resultR2Ctrl
```

	experiments	correlations
1	MA001I9 vs MA000V0	0.8673467
2	MA001I9 vs MA0019Y	0.8608140
3	MA000V0 vs MA0019Y	0.8418369

```
$resultR2Trt
```

	experiments	correlations
1	MA000UR vs MA001I7	0.8886683
2	MA000UR vs MA001D0	0.8878290
3	MA001I7 vs MA001D0	0.9210257

```
> xx <- CATPlots(test, c(0, 0, 0, 1, 1, 1), 100, 500, upsideDown = TRUE)
```



5 Data normalization

This is an important issue in microarray since it ensures that differences in intensities are indeed due to differential expression, and not to technical artifacts, and it is also required prior to any analysis which involves between-array comparisons of intensities. AB1700 instrument, after CL normalization via FL signal (see AB1700 manual), suggests as default normalization that intensities should be scaled so that each array has the same average value (constant normalization, in affy Bioconductor package). This approach, however, is less effective in the case of non-linear relationships between arrays, which are efficiently dealt with by the approaches of Li and Wong (http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=11532216) and Bolstad (http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=12538238).

From the normalization methods implemented in the affy Bioconductor package, two were implemented in the *aplara* package:

Cyclic loess - This approach stems from the M versus A plot, where M is the difference in log expression values and A is the average of those (http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=11842121). A normalization curve is fitted to this M versus A plot by using loess, which is a method of local regression. The fits based on the normalization curve are subsequently subtracted from the M values. However, rather than being applied to two-color channels on the same array, as is done in the cDNA case, normalization is applied to probe intensities from two arrays at a time. An M versus A plot for normalized data should show a point cloud scattered about the $M = 0$ axis. To deal with more than two arrays, the method is extended to look at all distinct array pairwise combinations.

```
R> test.L<-normLoess(test) ##cyclic-loess normalization
```

Quantile normalization - The goal of the quantile method is to make the distribution of probe intensities for each of a set of arrays the same. The idea behind the method is that a quantile-quantile plot shows that the distribution of two data vectors is the same if the plot is a straight diagonal line, but not if it is other than a diagonal. This concept can be extended to n dimensions if more than two arrays are available. This suggests that an n set of data can be made to have the same distribution by projecting the points of the n dimensional quantile plot onto the diagonal. This normalization can be easily done by organizing the arrays to be normalized in a matrix, where columns represent the arrays and the rows gene-specific PMs. Each column is then sorted in a descending order. The means across rows are taken and assigned to each element of the rows. Columns are then reordered as the original matrix to generate the normalized set.

```
R> test.Q<-normQuantile(test) ##quantile normalization
```

6 Data filtering

The premise of this important step in microarray data analysis is removal of genes deemed to be not expressed according to some specific criterion under the control of the user ([http:](http://)

[//www.bepress.com/bioconductor/paper7/](http://www.bepress.com/bioconductor/paper7/)). It can also be used to eliminate genes that do not show sufficient variation in expression across all samples, since their little discriminatory power. Three filtering approaches have been implemented in **applera** package:

- The *apFilter* allows filtering on the bases of S/N or Flags. The function is an implementation of the pOverA *genefilter* function. The function needs an object of **applera** class, a p-value ranging 0 - 1. Where p-value indicates the minimum fraction of experiments satisfying a specific condition A (e.g. filtering for S/N, using p=1 and A=3; indicates that all experimental condition, for a specific gene, should be characterized by a S/N equal or greater than 3, indicating a confidence of 0.99 that the signal measurement is different from background. In the case of flags filtering A indicates the max flag value that can be accepted (High flag values indicate a low quality of the feature measurement)).

```
R>sn.subset <- apFilter(test, 0.5, 3, "sn")
R>flags.subset <- apFilter(test, 0.5, 2, "flags")
```

- The *iqrFilter* is an implementation of the IQR filtering described by von Heydebreck (<http://www.bepress.com/bioconductor/paper7/>).

```
R>iqr.sn.subset<-iqrFilter(sn.subset, 0.25)
```