



## **Supplemental Material to:**

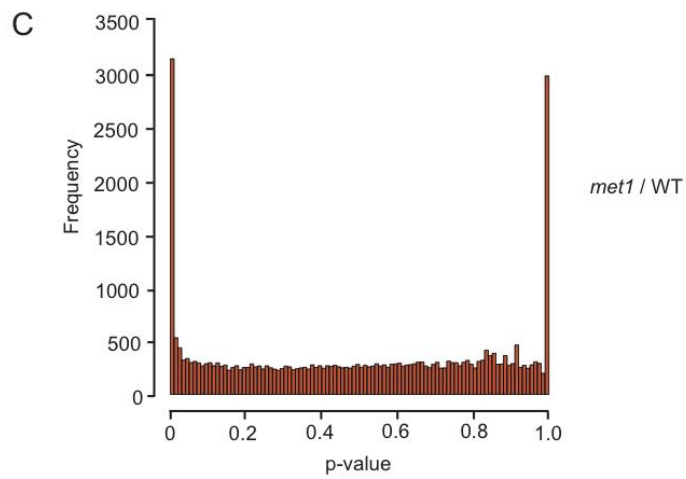
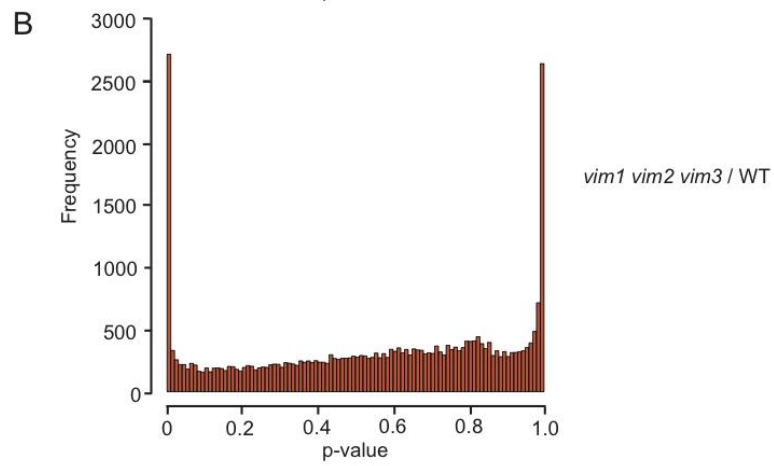
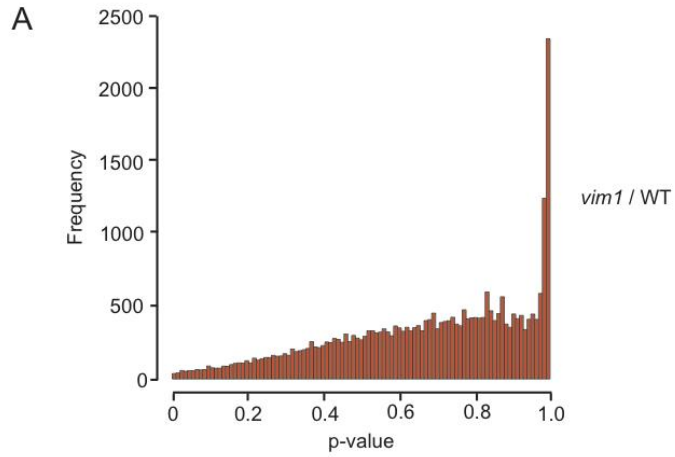
**Molly S Shook and Eric J Richards**

**VIM proteins regulate transcription exclusively  
through the MET1 cytosine methylation pathway**

**Epigenetics 2014; 9(7)**

**<http://dx.doi.org/10.4161/epi.28906>**

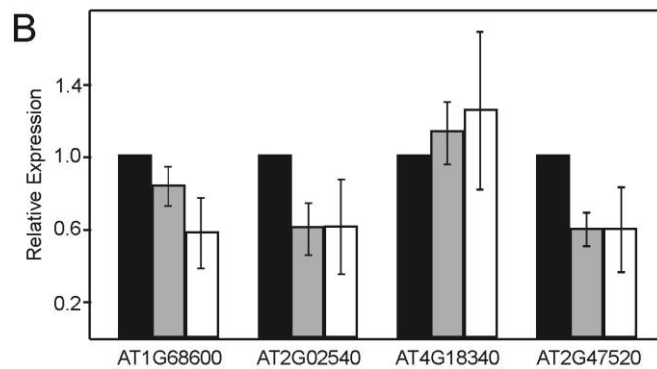
**[http://www.landesbioscience.com/journals/epigenetics/  
article/28906/](http://www.landesbioscience.com/journals/epigenetics/article/28906/)**



**Figure S1. Distribution of p-values from differential expression tests.** The p-values from each differential expression analysis, indicated to the right of each histogram, were divided into 100 bins and their frequencies were plotted. The large peak of p-values at 1 reflects the sets of transcripts with low read count numbers. In the *vim1 vim2 vim3* (B) and *met1* mutant (C) analyses, additional peaks near zero indicate large numbers of significantly differentially expressed genes. The remaining p-values are approximately uniformly distributed, as expected under the null hypothesis.

**A**

<i>vim1 vim2 vim3</i> -specific	<i>met1</i> -specific
AT1G68600	AT2TE23240
AT2G02540	AT2G18130
AT2G40960	AT2G44290
AT4G11211	AT2G47520
AT4G18340	AT3G22370
AT5G41200	AT4TE30225



**Figure S2. Examination of selected transcripts identified as *vim1 vim2 vim3*- or *met1*-specific in the RNA-seq analysis.** A) List of loci tested by RT-qPCR that were originally identified as differentially expressed in either *vim1 vim2 vim3* or *met1* relative to wild type. None of these loci were confirmed by RT-qPCR analysis as being *vim1 vim2 vim3*- or *met1*-specific. B) Representative RT-qPCR relative expression analysis of four of the loci listed in panel A. Similar fold changes in expression are seen in the *vim1 vim2 vim3* mutant (gray bars) and *met1* mutant (white bars) relative to wild type (black bars). Expression values represent the averages calculated from three independent biological replicates. Error bars represent the standard error of the mean.

**Supplemental File 1.** Genes and TEs differentially expressed in *vim1 vim2 vim3* vs wild type

ID	Log <sub>2</sub> fold change	Adjusted p-value
AT2G29860	-Inf	0.008203331
AT3G21500	-Inf	0.0122565
AT3TE49325	-Inf	0.000146861
AT5G42430	-Inf	0.024192331
AT1TE41815	-Inf	0.008105924
AT1G77870	-6.40937	8.31E-29
AT1G23720	-5.81429	0.002238718
AT2TE22815	-5.36113	2.34E-05
AT1G47840	-4.68252	2.64E-08
AT1G51490	-4.65551	0.010215776
AT4G08991	-4.59549	0.021151569
AT4TE10320	-4.33348	1.45E-10
AT2G36490	-4.20151	6.88E-21
AT4G00080	-4.15187	0.006450063
AT1G57820	-3.9995	3.42E-28
AT5G07690	-3.92295	0.03833353
AT1G77880	-3.83516	5.38E-05
AT1G16410	-3.71719	0.001999973
AT1G49790	-3.5747	0.000204646
AT5TE48460	-3.57046	0.000628619
AT4TE21095	-3.51191	0.007043929
AT1G52000	-3.48557	2.25E-14
AT1G34095	-3.40717	4.86E-07
AT5G55410	-3.36593	0.01881912
AT3G03190	-3.27523	1.36E-05
AT3G42473	-3.24191	0.002707751
AT5G17740	-3.18006	0.0002036
AT1G23940	-3.16812	1.52E-09
AT5G39550	-3.09415	1.57E-15
AT5G35390	-3.05976	0.031717641
AT5G14200	-3.03112	0.003053636
AT2G43100	-3.01526	0.017075912
AT4G35610	-3.00828	0.01680439
AT5G23010	-2.97672	2.02E-15
AT1G60410	-2.95661	0.000965751
AT4TE42860	-2.94243	3.13E-05
AT1G62560	-2.92107	0.027140472
AT3G19710	-2.90233	0.006456881
AT2G02540	-2.89775	3.05E-06
AT4G06701	-2.89475	5.48E-05
AT1G02952	-2.87904	0.000146861
AT5G59930	-2.84815	0.007603129
AT4G16892	-2.83004	0.000317935
AT4G10060	-2.7325	2.96E-10
AT3G16460	-2.72094	1.74E-09
AT2G15128	-2.7186	0.000870599

AT1G23935	-2.7063	0.00221356
AT1G49290	-2.69284	1.35E-05
AT2TE08840	-2.65987	0.044739869
AT3TE65375	-2.57004	0.000119443
AT2G29170	-2.55152	0.032963961
AT5G45150	-2.54818	1.38E-05
AT2G41850	-2.44491	0.010711783
AT4G13770	-2.41262	0.009408188
AT5TE61030	-2.41163	0.017079402
AT3G25810	-2.39813	4.21E-06
AT2G12170	-2.39452	1.50E-05
AT1G66050	-2.39268	0.014982796
AT4G12030	-2.37534	0.026998702
AT4G12530	-2.37507	0.025378829
AT3G26520	-2.36931	2.47E-07
AT4G15100	-2.31537	0.004727503
AT4G05310	-2.29842	0.012033218
AT4G03935	-2.29201	1.53E-05
AT4G13190	-2.25651	0.000624018
AT1G48953	-2.22068	0.030898544
AT5G38010	-2.19009	0.019443758
AT3G50310	-2.12287	0.002874776
AT1G62770	-2.08873	5.92E-06
AT5G57220	-2.06355	0.026170613
AT3G55870	-2.05123	0.002060077
AT3G47580	-2.02938	0.000471553
AT3G54600	-2.02059	6.77E-08
AT4G15210	-1.96151	9.89E-06
AT2G25150	-1.95235	0.00779145
AT2TE84980	-1.94307	0.018197134
AT1G47760	-1.93976	0.024825369
AT5G24770	-1.92079	5.85E-06
AT4G15765	-1.90391	0.03461352
AT2G23590	-1.86514	0.009333388
AT4G15200	-1.8635	0.003502803
AT4TE42950	-1.84916	0.000430328
AT2G42170	-1.83738	6.43E-05
AT5G28442	-1.82716	0.003803391
AT1G66540	-1.82629	0.010801903
AT3G54450	-1.80282	0.025479105
AT5G13370	-1.79908	0.001358826
AT3G52535	-1.77333	0.003491731
AT1G26310	-1.71751	1.33E-05
AT3G44250	-1.68256	0.004660645
AT4G13495	-1.67502	0.020845146
AT1G57620	-1.67427	5.17E-06
AT2G04110	-1.67239	5.82E-05
AT3G32940	-1.66379	3.89E-06
AT3G42725	-1.63576	0.002818301

AT1G68600	-1.61758	1.18E-05
AT4G03823	-1.59795	0.021905738
AT5G42280	-1.57952	2.68E-05
AT2G29370	-1.57947	0.028368
AT5G24780	-1.57218	0.006566602
AT1G18140	-1.55066	3.81E-05
AT4G01060	-1.54384	0.002994488
AT1G58370	-1.52069	0.000228908
AT3G30180	-1.52038	7.77E-05
AT3G16320	-1.51093	0.001630034
AT5G26210	-1.51011	6.27E-05
AT4G13410	-1.49912	0.014008735
AT1G52040	-1.48992	0.004673476
AT2G22960	-1.46012	0.001016855
AT2G39850	-1.45691	0.000253625
AT5G17165	-1.4529	0.005539693
AT1G57750	-1.44736	0.015394648
AT4G27570	-1.43799	0.000459645
AT1G35310	-1.433	0.030650575
AT3G15950	-1.42189	0.036521507
AT5G27490	-1.4088	0.000493052
AT2G37770	-1.38662	0.029994482
AT3G23480	-1.38412	0.008215341
AT1G53060	-1.32909	0.040916646
AT2G32290	-1.32482	0.018429579
AT4G17260	-1.31549	0.000525215
AT5G43403	-1.31461	0.007964504
AT3G47675	-1.29937	0.018560505
AT5G23970	-1.25782	0.002257881
AT2G14520	-1.25278	0.005013292
AT1G38131	-1.24881	0.006541673
AT2G15620	-1.23807	0.002733952
AT2G15400	-1.20671	0.017002857
AT2G41470	-1.19665	0.012886715
AT5G35450	-1.19011	0.028155612
AT5G27600	-1.18743	0.004221764
AT3G24360	-1.18369	0.005030315
AT1G03550	-1.14567	0.011520748
AT5G01180	-1.1434	0.030102272
AT1G64390	-1.12936	0.027759079
AT1G26945	-1.11879	0.006833165
AT1G34245	-1.10505	0.036487752
AT5G45680	-1.0962	0.018429579
AT5G50950	-1.09553	0.043674151
AT1G70560	-1.09536	0.049958981
AT5G25040	-1.09308	0.042558458
AT2G26860	-1.09252	0.020456865
AT1G17745	-1.08408	0.005475102
AT5G34940	-1.08332	0.014853486

AT2G40610	-1.07488	0.011717058
AT5G01170	-1.06781	0.022553211
AT4G11211	-1.05391	0.013665278
AT5G38120	-1.03985	0.016394111
AT4G12870	-1.02935	0.04399442
AT1G52030	-1.02712	0.00788885
AT3G07610	-1.0217	0.027866581
AT2G29340	-1.01948	0.029967708
AT1G23340	-1.0097	0.046631847
AT4G17270	-0.99833	0.017932816
AT4G13210	-0.98835	0.034748188
AT1G48490	-0.98595	0.027710617
AT5G24270	-0.98295	0.04865339
AT2G15050	-0.9811	0.03854135
AT4G18290	-0.97467	0.034725673
AT4G32460	-0.95009	0.042691442
AT1G78970	-0.92373	0.037074697
AT2G02710	0.83707	0.046817143
AT4G24230	0.87183	0.049939713
AT3G27870	0.94455	0.02264769
AT1TE71775	0.95023	0.042004891
AT1G72830	0.95915	0.044446521
AT5G41610	0.96275	0.041424243
AT4G35900	0.97904	0.029118858
AT5G24800	0.9849	0.025034467
AT5G43500	1.00677	0.017868395
AT2G23320	1.00711	0.027759919
AT4G36350	1.04408	0.028733611
AT4G27450	1.05396	0.005325961
AT3G10720	1.06967	0.005790791
AT5G64260	1.07916	0.003652787
AT3G59480	1.09921	0.019734518
AT5G27890	1.15042	0.011520748
AT1G32690	1.17867	0.046838148
AT2G31880	1.18773	0.001620357
AT3G50580	1.19267	0.005030315
AT1G24220	1.21281	0.011738905
AT4G27460	1.21524	0.015031191
AT5G24530	1.21589	0.035410711
AT2G18300	1.22021	0.025123045
AT3G22880	1.2337	0.001581212
AT4G23180	1.2379	0.003311328
AT4G01250	1.23949	0.044430681
AT5G51440	1.24876	0.031588732
AT4G32480	1.259	0.014519967
AT5G66400	1.26465	0.034513291
AT4G01700	1.2816	0.022289467
AT3G59060	1.28515	0.004765655
AT3G20460	1.30005	0.003726751



AT5G41200	1.31249	0.040323344
AT4G25000	1.31506	0.009408188
AT2G21850	1.32087	0.006526443
AT3G59080	1.32091	0.030770144
AT1G31740	1.32893	0.010915332
AT2G42720	1.32947	0.018075309
AT5G18270	1.3704	0.039593781
AT1G35530	1.37496	0.000312284
AT4G08850	1.38297	0.011738905
AT5G60610	1.38641	0.004819789
AT1G53020	1.40148	0.018167519
AT3G18550	1.40194	0.049631142
AT5TE18210	1.40935	0.047406451
AT1G13400	1.41205	0.029317815
AT1G56150	1.42055	0.012376653
AT5G23350	1.42923	0.013880501
AT1G36150	1.43039	0.005030315
AT5G44570	1.43662	0.006349485
AT1G45201	1.43763	0.013732895
AT3G26760	1.44875	0.00837418
AT2G44080	1.45305	0.009025705
AT3G29670	1.45431	0.01745516
AT4G33930	1.45442	0.042589344
AT1G65342	1.46305	0.029190347
AT4G14548	1.47166	0.00948775
AT4G22690	1.47797	4.50E-05
AT1G14580	1.48681	6.16E-05
AT4G27590	1.48941	0.022160535
AT2TE07550	1.49112	0.0087093
AT2G42180	1.49267	0.01745516
AT3G26742	1.50008	0.001934293
AT3G05690	1.51655	0.020765472
AT3G51440	1.52076	0.000288378
AT5G42830	1.53632	0.012638054
AT4G15760	1.54068	0.000320114
AT1G33610	1.55751	0.002055931
AT1G80820	1.56627	0.002089695
AT5G34795	1.57239	0.001873838
AT3G15356	1.57853	0.037663169
AT5G08350	1.60544	0.024471963
AT4G39830	1.6391	0.025039757
AT3G17690	1.65106	0.003856874
AT3G14020	1.65352	0.001596277
AT2TE82000	1.6801	0.015860592
AT1G53490	1.68527	6.91E-06
AT2TE10620	1.69223	0.003730749
AT5G24240	1.69484	0.004520393
AT1G22890	1.69741	0.014617441
AT4G19030	1.72546	0.012355273

AT5TE39630	1.72624	0.000186985
AT2G35300	1.73012	0.008024632
AT1G14870	1.74827	0.000138292
AT4G33050	1.76433	0.020227144
AT5G23360	1.76714	1.84E-05
AT5G44640	1.77829	0.024914923
AT1G72060	1.79444	0.000452002
AT1G52690	1.8288	4.01E-05
AT1G14370	1.83573	0.011043278
AT5G25470	1.84935	1.37E-05
AT4TE04415	1.85179	1.10E-06
AT4G00970	1.85968	0.042160996
AT1TE78470	1.8779	0.000396921
AT4G10920	1.88976	1.15E-07
AT3TE91745	1.93935	0.000551728
AT1G75040	1.96184	0.000132337
AT1G56540	1.98233	0.001209473
AT2G32210	1.98564	0.0355805
AT3G61198	1.99335	0.009219955
AT2G01960	2.00171	0.00287603
AT4TE21090	2.01288	0.041881723
AT3G26280	2.0211	0.000551706
AT5G49250	2.02827	0.030579812
AT2G34280	2.03018	0.027780778
AT1TE42205	2.03584	0.002192491
AT4G19080	2.0448	0.006378916
AT4G36740	2.05172	0.046107054
AT1G16910	2.06332	0.015519931
AT4G23810	2.08296	0.042391143
AT4G36500	2.08306	0.002439255
AT3G59190	2.10453	2.03E-06
AT4G00540	2.1117	0.006928126
AT5G39770	2.13323	0.022023999
AT3G43470	2.13979	0.009165882
AT5G07760	2.15541	0.002308285
AT4G12370	2.19276	0.001464629
AT4G38540	2.19457	0.014334111
AT3G26480	2.20634	2.35E-09
AT5G19240	2.21669	0.039782637
AT4G23230	2.23997	0.024907968
AT4G18340	2.24512	4.61E-06
AT4TE13150	2.24713	0.000948838
AT5G66780	2.25083	0.026068811
AT2TE34910	2.2734	0.016862267
AT5TE49725	2.27352	5.77E-06
AT3G26470	2.29522	0.000550404
AT2TE37435	2.2972	0.004689643
AT4TE08130	2.32545	0.012974812
AT4G10910	2.32671	0.000343204

AT1G15125	2.32867	0.005160681
AT2G40960	2.32951	6.14E-05
AT2G24600	2.34948	0.048415682
AT2TE07145	2.34962	2.88E-09
AT3TE57780	2.35598	2.31E-10
AT1G76952	2.36794	0.000475835
AT4G28040	2.39641	0.048412291
AT4G23220	2.41661	1.85E-06
AT2G15042	2.42085	4.86E-07
AT4G18250	2.4257	4.50E-05
AT5G41840	2.42866	0.0197346
AT3G53980	2.44404	0.001139623
AT3G25640	2.45021	0.021711177
AT2G16050	2.46431	0.004916368
AT2G34655	2.48732	1.66E-12
AT5G44572	2.4918	0.001051736
AT5G19230	2.50658	1.13E-05
AT3G50480	2.52191	0.001882037
AT5G25640	2.55758	0.017466011
AT5G23220	2.56733	0.012800294
AT5TE39170	2.57549	0.018902816
AT2G46662	2.58183	0.003676925
AT5TE56690	2.58283	0.003185155
AT5G34780	2.59508	1.61E-09
AT1TE58825	2.59787	0.001660222
AT3TE76225	2.60016	6.14E-10
AT1G67980	2.61861	0.001240395
AT4G16540	2.62073	2.81E-07
AT2G15790	2.6453	2.14E-14
AT3G04210	2.64875	0.000680873
AT1G66780	2.72024	0.001049753
AT3TE48540	2.72196	0.000224517
AT5TE86410	2.72408	8.02E-05
AT1G19020	2.75199	0.005347531
AT5TE40920	2.79594	0.011520748
AT5TE23285	2.79759	0.007174349
AT1G16130	2.80911	0.020145812
AT2G18690	2.80921	9.78E-05
AT2TE10590	2.81639	0.029510842
AT3TE58875	2.83202	2.82E-07
AT5G02330	2.84862	2.41E-10
AT2G05995	2.85434	1.04E-07
AT2G20142	2.85472	0.021546255
AT4G28800	2.86289	0.002789886
AT3G52400	2.86344	3.36E-07
AT5G54710	2.89002	0.020970913
AT1G21130	2.89999	6.39E-05
AT3G26210	2.90136	0.042589344
AT2G23680	2.90152	0.001711296

AT1TE46385	2.9259	0.013018003
AT4TE19470	2.92727	1.74E-07
AT3TE57060	2.94393	0.048761193
AT1TE34315	2.9583	0.007122617
AT1G03810	2.97892	7.10E-07
AT3TE51110	2.98886	0.004092643
AT2TE10595	2.99396	1.40E-05
AT1G78410	2.99604	0.018091251
AT4G11000	3.01186	0.020579621
AT2TE20835	3.03533	0.030795087
AT1TE54805	3.03649	3.43E-08
AT1TE22850	3.03789	3.27E-17
AT3G29644	3.04136	2.67E-14
AT4G26200	3.08513	0.027681467
AT4TE06710	3.12813	2.51E-16
AT1G35140	3.13461	0.032983565
AT2TE78320	3.13997	6.54E-06
AT3G29639	3.18225	7.64E-06
AT1TE44230	3.21601	0.000327141
AT5G38005	3.21609	1.33E-15
AT2G04120	3.22041	2.91E-05
AT1G36920	3.22284	5.11E-13
AT2TE09500	3.22448	0.00016068
AT4G03811	3.23954	2.71E-05
AT4TE54750	3.2827	0.011025972
AT4G04223	3.29124	1.84E-12
AT5TE40945	3.30072	0.017755894
AT3G30122	3.30256	1.79E-09
AT2TE16335	3.30328	0.010111756
AT4G22470	3.30602	0.005347531
AT2G01280	3.33369	0.035822454
AT4TE08240	3.33553	5.60E-05
AT2TE25020	3.34421	6.24E-08
AT5G52750	3.37398	0.004923995
AT2G11851	3.37919	3.38E-12
AT3TE48545	3.38976	3.94E-08
AT5TE86350	3.40676	0.006112649
AT3TE02240	3.41653	3.46E-20
AT2G10440	3.42543	1.57E-09
AT3G60920	3.43326	3.19E-11
AT1G36922	3.44295	5.04E-12
AT1TE53735	3.44387	0.00103186
AT1TE36060	3.46194	0.00672591
AT2G16310	3.46985	3.95E-11
AT4G26350	3.48585	2.66E-08
AT2G19893	3.5094	0.00012444
AT4TE12760	3.52644	0.044021388
AT1G68510	3.53407	0.001142899
AT3TE64120	3.57225	0.000439322

AT1G61920	3.58975	2.08E-08
AT4TE20545	3.60501	0.005017012
AT2G41640	3.60557	3.45E-12
AT1G36020	3.60896	1.53E-09
AT4G30280	3.61087	0.01425427
AT2G41100	3.61777	0.000418054
AT4TE21900	3.62337	0.00057857
AT5TE39640	3.62811	0.001124453
AT5TE44190	3.64252	0.002296053
AT2TE13750	3.66266	5.26E-06
AT3TE67950	3.67247	0.012770138
AT3G04220	3.67307	0.016234273
AT1TE51775	3.6764	6.90E-06
AT1G36675	3.71908	3.17E-09
AT1G24380	3.73275	0.002840899
AT2G11522	3.74579	4.38E-07
AT5G35338	3.75875	2.71E-07
AT3TE21700	3.83041	2.12E-15
AT4TE08780	3.85579	0.00045745
AT1TE46835	3.86726	1.08E-14
AT2TE44040	3.89676	0.015483274
AT2TE26785	3.89946	0.029795127
AT3TE51505	3.9094	0.001166627
AT4G10695	3.91707	3.07E-06
AT1TE55920	3.92463	2.52E-18
AT3TE48535	3.95359	0.000111088
AT2TE18840	3.97085	0.000292178
AT5G35870	3.97882	0.00372143
AT1G54420	3.98193	1.66E-11
AT1TE22855	3.98369	4.23E-05
AT5TE47750	3.9871	4.02E-19
AT2TE29460	3.99592	0.032145607
AT5G35490	4.00082	7.37E-11
AT3G44070	4.00718	8.15E-28
AT4TE17360	4.01307	1.68E-07
AT5TE29680	4.02184	0.003158177
AT5TE50380	4.07218	1.52E-23
AT2G03821	4.07951	0.038540411
AT5G05340	4.12471	0.000499148
AT1TE17300	4.15512	0.007250709
AT3TE53320	4.17963	0.005085391
AT2TE00115	4.20244	4.30E-08
AT1G28370	4.20849	0.002443394
AT5G28660	4.22149	0.001062719
AT3G48650	4.23909	0.014267591
AT1TE35870	4.24573	0.00093097
AT3TE18040	4.2584	1.93E-16
AT2TE27540	4.2738	0.00459089
AT5TE61735	4.27939	6.25E-14

AT3TE47740	4.33469	1.19E-10
AT3G32377	4.33866	6.11E-20
AT3TE52975	4.34677	2.21E-08
AT1TE83175	4.34765	0.012378697
AT2TE18965	4.35882	3.82E-13
AT1G60110	4.36099	1.00E-05
AT5G43066	4.39115	0.009078392
AT2TE41175	4.40909	4.79E-17
AT2TE18000	4.41734	0.01958481
AT2G34290	4.42085	0.007909472
AT1TE41035	4.42291	0.000102789
AT2TE20915	4.42431	8.81E-07
AT2TE20035	4.42461	0.000989128
AT3G33528	4.43103	1.33E-20
AT1TE46970	4.43119	0.001064976
AT5TE46840	4.43244	1.15E-07
AT4G26730	4.43993	8.96E-05
AT1TE86360	4.44905	1.03E-11
AT4G17914	4.45197	5.04E-12
AT2G14405	4.45298	0.001892026
AT3TE65525	4.49029	2.83E-05
AT5TE53035	4.51959	2.09E-06
AT2TE11900	4.5267	0.029023391
AT1G65500	4.55843	0.000666959
AT1TE46220	4.56424	1.05E-07
AT1G77960	4.57044	1.69E-09
AT1TE42370	4.60827	0.041597801
AT2TE11860	4.62897	4.92E-06
AT3G60176	4.63818	2.72E-19
AT3TE63400	4.68262	3.68E-09
AT2G18880	4.69467	3.33E-15
AT3TE49700	4.71155	0.001746063
AT4G28870	4.73927	3.27E-07
AT1TE51105	4.73944	0.000561856
AT3TE52695	4.74531	0.001767304
AT3G60950	4.76789	1.48E-05
AT2TE09650	4.77225	0.002536774
AT3TE63405	4.78063	2.71E-10
AT3G48130	4.79	0.000361654
AT5G38030	4.80439	1.11E-10
AT2TE21220	4.82184	1.96E-16
AT4TE20075	4.8223	1.61E-10
AT4TE08355	4.83225	0.02469141
AT2TE41170	4.83349	8.44E-18
AT1TE54100	4.83532	7.88E-25
AT2G13760	4.85023	0.021204246
AT3TE47360	4.86458	4.02E-24
AT4G08260	4.87522	6.86E-22
AT3TE59500	4.88202	0.008852727

AT2TE12425	4.88326	0.004773103
AT2G16018	4.90305	2.05E-26
AT5TE36535	4.91701	0.043818768
AT2G15120	4.92351	0.021687129
AT3G28923	4.92402	3.40E-13
AT1G49680	4.93449	0.000212084
AT2TE08225	4.95398	4.52E-26
AT3G45910	4.96101	6.94E-06
AT1G37000	4.97353	5.55E-15
AT2TE23425	4.9907	3.20E-13
AT2TE27505	4.99962	2.42E-15
AT3TE37570	5.01647	1.78E-11
AT2TE20920	5.01756	6.58E-06
AT1G66790	5.02297	1.38E-07
AT2G35670	5.0466	3.30E-25
AT4TE18360	5.067	0.000893301
AT2G32490	5.07078	0.043972681
AT2G11405	5.07358	3.53E-05
AT2TE10570	5.10733	1.76E-23
AT4TE36845	5.10894	1.43E-12
AT3TE58050	5.10922	0.018307601
AT2G01422	5.11631	1.05E-09
AT5TE47755	5.13235	5.73E-21
AT4G03156	5.13712	0.000192675
AT2TE27670	5.14272	1.83E-06
AT1TE45510	5.15017	3.20E-11
AT5TE38900	5.15118	2.67E-05
AT3TE46565	5.15159	0.005654727
AT2G16960	5.15506	1.16E-11
AT5TE48825	5.15575	0.016458342
AT5TE46860	5.17449	5.95E-11
AT2G16340	5.17744	0.017851646
AT2TE01560	5.20128	5.43E-18
AT2TE28955	5.21346	4.47E-14
AT2G13547	5.21829	7.30E-21
AT3TE60310	5.23492	3.81E-39
AT1G50350	5.24268	3.97E-17
AT2TE22315	5.25832	0.004167212
AT3TE45385	5.27324	0.017735348
AT2G14840	5.30289	1.68E-07
AT3TE54330	5.30603	4.70E-09
AT4TE32185	5.30685	2.41E-09
AT2TE37330	5.32067	7.28E-06
AT5TE65370	5.33272	4.20E-27
AT3TE51095	5.33411	0.048783149
AT5TE25460	5.34065	2.51E-05
AT1G26558	5.34724	2.32E-28
AT3G25190	5.34853	0.013256039
AT4TE21055	5.39702	3.98E-44

AT3TE63180	5.4024	0.001545214
AT5TE40110	5.42697	0.000970147
AT4TE21910	5.45263	1.28E-06
AT3TE92345	5.45933	0.001323207
AT3TE50685	5.46029	0.004103843
AT5TE39195	5.48919	0.00141235
AT3TE44955	5.49575	1.90E-16
AT5TE46150	5.49872	0.000657706
AT1TE47605	5.51213	1.12E-16
AT3G43833	5.55081	2.07E-42
AT5G20440	5.56316	0.000107314
AT3TE48070	5.57931	3.21E-21
AT1TE51850	5.58594	0.000224696
AT1G47595	5.59106	1.12E-08
AT1TE52925	5.60252	1.63E-13
AT1TE51945	5.60954	2.22E-14
AT2TE17695	5.61352	9.66E-06
AT4TE17500	5.61723	4.06E-13
AT4TE22570	5.61746	0.00123786
AT1TE70805	5.62121	1.38E-05
AT1TE74860	5.62471	1.98E-24
AT5TE39955	5.63181	0.001967226
AT2TE20030	5.63191	1.35E-14
AT2TE11985	5.65263	1.11E-12
AT3TE57315	5.69598	1.33E-09
AT1G62580	5.70671	2.94E-09
AT3TE60160	5.711	2.53E-17
AT2TE28280	5.72465	1.90E-19
AT1TE52620	5.74076	0.000976788
AT2TE28020	5.75452	1.04E-38
AT1G53480	5.77483	1.38E-40
AT2G07640	5.77998	9.31E-14
AT5G35760	5.78614	8.53E-34
AT4TE19675	5.78862	5.88E-08
AT4TE15670	5.8094	2.13E-42
AT4TE29830	5.8248	3.30E-14
AT4TE09310	5.83231	1.14E-07
AT2TE28555	5.84259	4.87E-33
AT3G30720	5.84589	5.98E-33
AT5TE47400	5.87594	2.69E-06
AT2TE11410	5.87734	1.01E-11
AT4TE13315	5.89055	4.22E-05
AT2TE24245	5.90055	1.64E-08
AT5TE38020	5.93358	1.73E-27
AT2TE10575	5.93382	2.34E-24
AT1G34440	5.9453	4.20E-05
AT3TE63935	5.96223	1.04E-48
AT2G13410	5.96915	1.76E-15
AT2TE13760	5.9749	2.87E-05



AT3TE57785	5.97915	8.41E-22
AT1TE51555	5.97949	3.24E-05
AT3TE47555	5.97987	9.82E-37
AT2TE22345	5.99204	2.85E-09
AT3TE52705	5.99357	0.009244798
AT5G32569	6.00262	1.43E-06
AT2TE54360	6.00422	3.95E-05
AT5TE55145	6.02256	8.25E-05
AT5TE43910	6.02601	4.42E-19
AT2TE10385	6.03614	8.92E-14
AT3TE51270	6.05402	0.000130586
AT4G06748	6.0775	2.33E-44
AT1G27990	6.08432	6.14E-06
AT5G15690	6.09195	2.92E-33
AT3TE61645	6.11	2.98E-05
AT5TE46175	6.11613	7.95E-11
AT1G18230	6.12546	9.85E-07
AT5TE46485	6.13269	7.40E-28
AT3TE53860	6.13673	2.25E-14
AT1TE51155	6.15411	3.53E-13
AT2G05050	6.16099	7.88E-18
AT3TE90530	6.18118	4.40E-20
AT2TE15415	6.18924	4.76E-07
AT3G30770	6.19553	2.32E-31
AT3TE45980	6.20316	1.04E-06
AT5TE20395	6.20731	6.04E-09
AT1TE46325	6.218	6.38E-08
AT5TE43855	6.23097	2.48E-14
AT5TE50155	6.24521	1.36E-15
AT3TE45330	6.24838	4.68E-11
AT5TE34980	6.25804	3.89E-46
AT5TE37060	6.28234	2.19E-18
AT3TE67325	6.30827	5.45E-35
AT2G05752	6.31737	3.26E-06
AT3G28899	6.33226	6.56E-13
AT2TE09720	6.36849	8.88E-07
AT5TE37660	6.37789	5.91E-11
AT2TE23965	6.38921	1.58E-18
AT5TE58750	6.40063	3.58E-07
AT3G27473	6.40135	1.11E-40
AT3TE66175	6.42942	6.75E-07
AT3G32200	6.43399	6.69E-08
AT2TE19175	6.4349	8.78E-07
AT2TE26370	6.43668	3.66E-09
AT5G28230	6.4702	3.56E-34
AT2TE21605	6.47293	1.61E-09
AT5TE41415	6.48539	8.00E-32
AT5TE48930	6.48985	4.45E-14
AT3TE57715	6.49291	3.32E-07

AT1TE45965	6.49505	1.32E-15
AT5TE43070	6.51089	4.50E-26
AT2TE18240	6.52249	2.50E-30
AT3TE59660	6.54147	1.29E-50
AT2TE15900	6.54882	4.28E-17
AT5TE38285	6.55108	3.30E-45
AT3TE67635	6.5568	1.00E-30
AT3TE83700	6.55757	1.79E-15
AT5TE39590	6.56247	1.79E-18
AT1TE52855	6.57126	3.83E-13
AT4TE09845	6.57923	5.57E-29
AT5TE47205	6.5866	5.28E-26
AT3TE61075	6.59584	1.61E-43
AT2G15555	6.59922	7.29E-19
AT1TE52000	6.60379	1.03E-11
AT5G41830	6.63108	1.50E-24
AT4TE16945	6.63164	8.27E-18
AT2TE16805	6.648	1.38E-38
AT5TE42710	6.65435	6.45E-43
AT4G08093	6.66014	1.66E-38
AT1TE46065	6.66455	5.32E-12
AT3TE42960	6.66538	1.39E-08
AT3TE45430	6.67498	9.71E-41
AT3G26800	6.68224	1.59E-05
AT4TE24910	6.70887	7.64E-17
AT4TE20535	6.71984	2.64E-10
AT4TE28010	6.74204	5.01E-08
AT1TE52860	6.74503	4.52E-13
AT2G05914	6.77699	2.90E-63
AT4TE16900	6.80263	4.76E-07
AT1TE54655	6.80919	5.99E-36
AT5TE39245	6.81105	9.31E-15
AT4TE15565	6.81259	2.20E-09
AT3TE59025	6.81802	5.51E-12
AT3TE53690	6.83001	1.68E-13
AT5TE37985	6.84526	0.000576298
AT2TE25540	6.84559	1.12E-07
AT5TE49335	6.86014	6.16E-23
AT5G29030	6.8661	7.71E-24
AT2TE15655	6.86674	1.01E-22
AT4TE08245	6.88831	5.85E-14
AT5TE38340	6.90457	1.30E-35
AT1TE51835	6.91308	4.53E-14
AT1G66100	6.91968	0.001620701
AT5TE47105	6.92426	2.40E-15
AT3TE64215	6.95202	1.80E-18
AT5TE45005	6.9589	4.06E-25
AT1TE49325	6.96377	3.18E-11
AT5TE41775	6.9695	9.11E-13

AT4TE18785	6.97855	1.81E-09
AT1G18130	6.99233	1.73E-07
AT1TE46635	7.00057	1.69E-08
AT4G07526	7.01012	1.67E-24
AT4TE19030	7.01267	6.89E-10
AT2TE12115	7.01279	4.51E-17
AT2TE05675	7.03484	9.26E-23
AT3TE54450	7.03967	3.35E-10
AT2TE28290	7.05362	6.11E-11
AT2TE22170	7.05925	2.77E-09
AT2TE18415	7.08878	1.61E-08
AT2TE06620	7.09303	8.05E-37
AT4TE18765	7.09606	3.24E-06
AT2TE22180	7.11942	2.59E-10
AT1TE28830	7.1584	1.27E-55
AT1TE58100	7.17257	1.83E-09
AT2TE06955	7.18355	4.24E-33
AT3TE55360	7.18948	4.86E-20
AT1TE44720	7.19965	7.38E-11
AT3TE57085	7.22024	5.34E-19
AT1G36078	7.2294	2.16E-11
AT5TE43580	7.24814	8.32E-40
AT2TE19200	7.24874	3.71E-50
AT2TE16955	7.27313	2.95E-25
AT5TE40100	7.2788	4.19E-13
AT5TE56585	7.27884	6.70E-08
AT5TE39140	7.28032	4.47E-62
AT5G28235	7.28561	6.31E-33
AT5TE44235	7.28784	1.57E-50
AT2TE16270	7.32684	1.02E-12
AT4TE13880	7.32894	5.19E-22
AT2G06095	7.33957	2.75E-13
AT4TE13450	7.38888	1.33E-13
AT5TE22990	7.41838	6.84E-16
AT5TE47215	7.42244	0.002439255
AT5TE45900	7.43182	4.08E-13
AT5TE23185	7.43789	7.22E-63
AT2G19850	7.44098	6.33E-44
AT4TE06990	7.47627	5.04E-19
AT5TE55555	7.48621	5.56E-58
AT2TE12140	7.49931	7.56E-14
AT2G33175	7.5063	9.53E-41
AT5TE41980	7.50769	1.46E-44
AT3TE68090	7.52798	8.45E-22
AT3TE59490	7.52884	2.12E-06
AT2TE37050	7.57032	4.60E-38
AT5TE44185	7.57901	4.10E-14
AT5G45570	7.58037	1.67E-62
AT3TE49825	7.58135	1.01E-33

AT2TE10980	7.58487	1.63E-50
AT2TE15660	7.59255	4.22E-16
AT2TE28325	7.59307	5.33E-49
AT1TE43740	7.6076	3.44E-14
AT3TE57310	7.61275	4.38E-49
AT3TE53865	7.61314	1.23E-52
AT5TE47100	7.61497	5.11E-28
AT5TE64600	7.61743	2.34E-45
AT3G27140	7.62504	1.57E-15
AT1TE52990	7.63503	2.48E-45
AT2TE12145	7.63848	1.30E-14
AT5TE44415	7.64216	2.01E-19
AT3G30370	7.64889	8.25E-15
AT5TE38320	7.65287	2.75E-41
AT5TE44310	7.65689	3.52E-16
AT5G28180	7.70395	3.98E-19
AT2TE23185	7.7107	3.24E-34
AT3G07380	7.73552	7.78E-25
AT5TE52400	7.74025	2.08E-18
AT3TE52540	7.74875	3.70E-16
AT2TE23855	7.75191	1.97E-11
AT4TE18315	7.80341	1.84E-34
AT4G07320	7.80465	3.14E-23
AT3TE59340	7.81218	4.33E-13
AT4TE67560	7.84042	4.79E-56
AT5TE41835	7.85969	1.38E-07
AT2G06002	7.8692	1.61E-55
AT3TE20780	7.8717	2.82E-42
AT1G67105	7.89444	1.35E-72
AT5TE42925	7.90885	8.69E-34
AT5TE42255	7.91552	5.87E-15
AT4G19240	7.91926	2.16E-54
AT4G08430	7.94344	2.67E-48
AT4TE08995	7.9545	5.06E-48
AT1TE53060	7.95585	5.76E-58
AT1G46696	7.96463	4.27E-40
AT5TE44890	7.96659	0.031613563
AT1TE42445	7.98888	5.92E-38
AT2TE20140	7.99326	1.37E-32
AT5TE43325	8.00916	2.59E-26
AT2TE08135	8.01193	5.50E-64
AT3G54730	8.01575	7.76E-32
AT2TE16580	8.01719	9.93E-18
AT5TE32885	8.02989	4.65E-09
AT2TE19485	8.05162	2.96E-18
AT5TE49755	8.05964	1.61E-40
AT2TE58010	8.07613	5.98E-19
AT1TE43040	8.09894	2.37E-15
AT5TE47170	8.10851	2.03E-25

AT4TE10675	8.13013	1.54E-39
AT3TE53745	8.13704	5.42E-37
AT5TE33315	8.14022	1.36E-30
AT1TE55795	8.14937	1.82E-24
AT2TE18330	8.15276	1.79E-20
AT3TE54575	8.15908	9.72E-41
AT1TE36570	8.16085	6.23E-38
AT2TE10975	8.16899	5.31E-43
AT2TE16865	8.17372	2.09E-24
AT4TE18650	8.17377	8.60E-17
AT2TE11890	8.17989	9.86E-51
AT2TE35840	8.18545	8.13E-13
AT2TE11805	8.1878	1.05E-41
AT1G27565	8.19067	2.94E-41
AT4G15242	8.19261	9.28E-49
AT5TE46155	8.20756	6.63E-71
AT3TE50575	8.20903	8.34E-26
AT2TE24735	8.21161	6.00E-54
AT4TE18625	8.21673	4.08E-27
AT1TE43880	8.2248	8.74E-48
AT1TE42210	8.22504	1.08E-24
AT5G28810	8.24633	9.88E-69
AT4TE08850	8.25725	2.48E-09
AT5TE46855	8.25977	2.05E-21
AT3TE61065	8.26161	3.56E-49
AT5TE47525	8.26561	7.06E-25
AT2TE21105	8.26793	4.11E-20
AT2TE22235	8.27633	1.28E-22
AT5TE83215	8.28669	2.32E-11
AT3TE53605	8.29081	2.28E-27
AT5TE42470	8.29614	1.91E-80
AT3G01345	8.30491	1.69E-83
AT3G31910	8.31491	3.54E-39
AT1TE39380	8.32057	1.39E-55
AT3TE59045	8.32943	2.65E-25
AT4G06597	8.33009	1.01E-25
AT1TE27295	8.34373	4.57E-60
AT5TE43815	8.34677	9.99E-67
AT5TE42035	8.36449	1.57E-45
AT2TE23670	8.39088	1.42E-21
AT1TE45175	8.39472	1.44E-30
AT4TE25065	8.39528	9.57E-24
AT2TE16585	8.40178	9.50E-34
AT3G14670	8.40847	9.07E-26
AT3TE48135	8.42642	1.29E-70
AT3TE53995	8.43218	9.21E-86
AT1TE96425	8.43357	1.80E-29
AT5TE18470	8.43392	6.42E-22
AT2TE16530	8.44564	8.06E-59

AT5TE42435	8.47058	7.34E-18
AT2TE20940	8.47647	4.56E-68
AT2TE12020	8.48252	5.94E-53
AT5TE39325	8.48641	2.19E-25
AT5TE39425	8.49544	1.79E-76
AT2G06420	8.50044	1.39E-22
AT3TE55365	8.50505	5.96E-69
AT2TE07745	8.51321	3.71E-09
AT2TE06610	8.52248	1.75E-43
AT5TE44130	8.53244	1.38E-40
AT4TE15270	8.54302	1.64E-30
AT5TE32355	8.54585	1.65E-24
AT5TE46210	8.55124	1.96E-87
AT3TE61290	8.55627	3.33E-30
AT2TE16860	8.56012	7.40E-39
AT1TE72615	8.5691	4.85E-49
AT3TE45630	8.57653	1.31E-23
AT4TE16745	8.60495	1.53E-23
AT4G04250	8.60576	8.05E-58
AT2TE11355	8.60817	4.16E-13
AT5TE46110	8.61344	5.32E-24
AT1TE46235	8.62211	4.49E-06
AT3TE60195	8.63961	8.05E-33
AT2TE21110	8.64023	3.62E-15
AT1TE42875	8.64477	1.04E-53
AT4TE46305	8.64727	8.00E-44
AT1TE51040	8.65821	2.08E-31
AT5TE39230	8.65918	1.72E-37
AT2TE13060	8.67492	7.43E-15
AT2TE16245	8.68056	4.73E-44
AT2G07750	8.69131	9.59E-27
AT5TE39315	8.70584	2.38E-19
AT5G32590	8.71091	1.91E-46
AT4TE22955	8.72706	5.14E-52
AT2TE16575	8.73842	1.05E-37
AT2TE22075	8.75108	3.62E-61
AT5TE42330	8.75168	1.44E-21
AT1TE47105	8.75609	1.48E-23
AT5G29040	8.76803	1.89E-46
AT4TE44080	8.77289	9.20E-55
AT3TE51675	8.78044	2.07E-13
AT1TE51820	8.7927	1.94E-58
AT1TE52590	8.79759	7.43E-66
AT1TE44455	8.79844	6.02E-39
AT3TE53580	8.80886	3.56E-54
AT5TE25535	8.81048	1.23E-25
AT1TE49300	8.81342	5.02E-41
AT3TE50500	8.81419	4.32E-31
AT3G43340	8.82415	1.36E-35

AT2TE20925	8.82677	3.48E-39
AT1TE52120	8.83231	2.16E-25
AT3TE61600	8.83348	6.24E-48
AT5G34869	8.83556	1.41E-76
AT5TE41770	8.83706	1.41E-27
AT4TE18055	8.83989	2.30E-33
AT5TE40575	8.85619	5.13E-79
AT1G63540	8.89887	1.05E-18
AT1TE62470	8.90157	2.43E-86
AT2TE20935	8.9019	1.96E-35
AT3TE59885	8.91126	5.43E-35
AT2TE17625	8.91367	3.37E-15
AT2TE19595	8.92677	8.41E-65
AT3TE61160	8.93149	2.39E-54
AT2TE16235	8.94556	5.93E-74
AT1TE52610	8.9466	1.50E-14
AT3TE63215	8.95489	1.48E-14
AT3TE58020	8.96114	3.31E-76
AT4TE09080	8.9711	6.70E-33
AT2G17690	8.992	1.98E-89
AT2TE27465	8.99272	2.39E-35
AT1TE48830	8.9939	5.81E-16
AT3TE61555	9.00294	9.19E-23
AT5TE41420	9.00812	2.38E-69
AT5G26270	9.02039	3.97E-88
AT4TE08475	9.02104	4.44E-32
AT2TE19435	9.03634	1.07E-61
AT3TE62735	9.04526	6.86E-54
AT3TE57150	9.04747	1.57E-44
AT4TE16500	9.05438	1.61E-30
AT3TE53630	9.05567	3.34E-29
AT3G43148	9.05658	1.58E-49
AT3TE54710	9.06099	8.63E-32
AT3TE22200	9.06987	7.18E-58
AT4TE15440	9.07405	1.71E-72
AT2TE16425	9.0778	1.17E-56
AT4TE15280	9.09026	1.22E-39
AT3TE62685	9.09047	3.08E-55
AT5TE58755	9.09548	2.01E-30
AT1TE46330	9.10945	5.36E-57
AT4G06582	9.11382	1.35E-33
AT4TE20400	9.11673	1.00E-53
AT3TE60200	9.12093	1.56E-32
AT2TE17725	9.13587	1.36E-66
AT4TE18445	9.14456	5.48E-53
AT5TE44365	9.16064	2.44E-30
AT3TE50940	9.16436	9.20E-41
AT5TE47500	9.17176	8.71E-35
AT1G47265	9.17243	3.88E-27

AT2TE05755	9.17453	4.41E-41
AT4TE19920	9.17561	2.27E-35
AT4TE18435	9.17735	6.58E-83
AT3TE63540	9.17987	1.90E-85
AT2TE43165	9.18246	1.83E-30
AT5TE18885	9.18365	7.00E-38
AT3TE70635	9.18678	1.06E-66
AT5G45095	9.18795	2.04E-85
AT5TE43915	9.20064	3.35E-63
AT2TE27645	9.20969	4.43E-50
AT5TE44740	9.21753	1.51E-41
AT3TE56700	9.21877	6.07E-12
AT1TE54645	9.22011	5.85E-47
AT3TE51660	9.22524	3.04E-57
AT5TE42440	9.23296	2.07E-73
AT1G35617	9.24539	1.74E-30
AT5TE48205	9.24845	8.45E-34
AT2TE16310	9.25124	2.17E-70
AT4G25530	9.26434	9.73E-90
AT3TE59450	9.26654	9.76E-61
AT3TE61520	9.27473	7.87E-27
AT3TE51460	9.27904	4.58E-95
AT2TE15565	9.2831	2.06E-50
AT3TE48150	9.28561	1.22E-56
AT2TE20255	9.28877	1.96E-87
AT2TE25365	9.30744	2.81E-33
AT4TE15255	9.31081	1.05E-54
AT3TE58895	9.3197	6.03E-77
AT1TE65060	9.34526	6.83E-96
AT2TE11545	9.34888	5.56E-42
AT3TE67445	9.37342	4.03E-64
AT2TE10260	9.37388	8.53E-40
AT2TE23705	9.38422	1.98E-89
AT1TE50875	9.38825	6.36E-43
AT1TE19130	9.39316	6.95E-47
AT4TE18470	9.39496	8.97E-35
AT1TE49675	9.39697	8.78E-53
AT5G37140	9.40419	7.36E-38
AT2TE13350	9.40718	9.64E-64
AT2G11010	9.41815	1.87E-24
AT5TE48550	9.42638	4.15E-36
AT1TE53390	9.42907	1.91E-69
AT5TE42860	9.4328	1.15E-35
AT4TE16400	9.43353	4.92E-84
AT3TE57645	9.44819	9.43E-53
AT4G03830	9.45661	2.68E-35
AT4TE09995	9.48088	8.33E-36
AT5TE43535	9.48582	9.99E-33
AT2TE17110	9.48806	2.00E-94



AT5TE52855	9.49633	3.38E-43
AT1TE64830	9.50507	2.60E-60
AT5TE44730	9.51327	9.29E-69
AT4TE09510	9.51936	8.08E-50
AT1TE42225	9.53607	5.43E-18
AT4TE17070	9.54596	2.79E-31
AT5TE43435	9.55051	3.32E-19
AT4TE09565	9.5515	5.72E-66
AT4TE20815	9.55802	3.29E-30
AT2TE28025	9.55845	1.27E-56
AT2TE16415	9.56831	9.23E-30
AT3TE51735	9.57945	1.75E-85
AT4TE18680	9.57955	1.15E-33
AT5TE42350	9.58983	3.24E-29
AT2TE11925	9.5899	4.42E-48
AT1TE52950	9.59116	6.04E-95
AT5TE46685	9.59482	1.92E-35
AT2TE18155	9.59521	1.81E-37
AT3TE52320	9.59863	5.38E-57
AT3TE50025	9.60024	1.14E-95
AT1TE64825	9.6093	1.17E-54
AT3TE48120	9.61372	7.85E-89
AT5TE42420	9.62147	1.12E-96
AT4G07965	9.62182	3.87E-53
AT1TE44380	9.63648	3.57E-63
AT5TE69650	9.66019	8.35E-44
AT5TE47895	9.66364	1.61E-37
AT3TE53970	9.66519	1.17E-26
AT2TE21710	9.673	3.28E-84
AT5TE43805	9.67665	1.25E-82
AT5TE42965	9.68023	1.19E-60
AT4TE16080	9.68057	1.71E-48
AT5TE40295	9.69089	3.86E-58
AT3TE62025	9.69701	3.36E-45
AT4TE08990	9.69707	3.29E-42
AT1TE52205	9.70168	2.19E-93
AT2TE16590	9.70338	2.33E-18
AT1TE54640	9.70375	3.83E-46
AT1TE72970	9.70534	6.03E-60
AT2TE09735	9.70818	2.07E-54
AT1TE70815	9.7438	7.15E-84
AT2TE26315	9.76599	1.21E-39
AT5TE46220	9.76641	3.55E-37
AT4TE25050	9.76685	4.19E-47
AT5TE53465	9.77298	4.11E-53
AT1TE82600	9.77677	1.08E-65
AT4TE09085	9.78293	2.91E-85
AT5G41660	9.78723	7.30E-66
AT3TE51330	9.78795	1.71E-32

AT3TE60280	9.79491	1.06E-102
AT2TE23970	9.80085	4.18E-25
AT4TE14295	9.80122	1.61E-57
AT3TE69350	9.80609	3.25E-92
AT5TE36940	9.84433	7.39E-92
AT5TE44770	9.85079	5.75E-91
AT1TE55320	9.85527	2.40E-100
AT5TE42010	9.85533	1.23E-25
AT4TE19915	9.85809	1.24E-80
AT3TE52305	9.85987	4.84E-80
AT5TE37965	9.86299	4.23E-97
AT1TE44450	9.87383	2.08E-97
AT5TE43360	9.8839	4.59E-31
AT1TE51055	9.8877	5.02E-51
AT4TE16990	9.88782	9.52E-19
AT5TE46215	9.89477	2.04E-85
AT1TE46765	9.8999	5.26E-62
AT1TE48035	9.90026	1.98E-97
AT3TE52310	9.90767	5.71E-47
AT2TE22040	9.91007	9.79E-92
AT5TE33455	9.92478	3.75E-65
AT1TE44125	9.92884	1.64E-67
AT4TE20245	9.93261	4.00E-80
AT3TE51380	9.93385	5.88E-12
AT4TE20745	9.94048	3.59E-42
AT4TE18720	9.94381	4.48E-54
AT3TE50670	9.94426	3.36E-71
AT1TE54760	9.94735	5.74E-66
AT2TE16230	9.94832	1.02E-47
AT4TE15875	9.94851	1.09E-94
AT4TE18685	9.95229	9.94E-22
AT2TE11350	9.96078	4.00E-80
AT1TE52210	9.96447	1.70E-50
AT1TE47750	9.9649	1.91E-43
AT1TE45020	9.96686	1.57E-92
AT1TE49315	9.96733	5.80E-44
AT3TE50760	9.96797	2.33E-46
AT2TE24525	9.96824	2.95E-94
AT5TE41870	9.96866	2.20E-90
AT4TE14540	9.96982	2.23E-67
AT5TE44355	9.97322	1.61E-60
AT5TE43260	9.97699	6.79E-88
AT3TE54005	9.9856	8.28E-96
AT1G51172	9.98879	8.31E-48
AT1TE52985	9.9973	2.02E-72
AT3TE60460	10.00325	3.06E-84
AT3TE57395	10.0082	4.20E-96
AT5G38190	10.00938	1.33E-69
AT5TE36945	10.01214	2.80E-78

AT5TE47200	10.02192	1.08E-51
AT3TE51340	10.03027	2.26E-11
AT4TE15870	10.03685	8.42E-51
AT1TE48020	10.04133	6.54E-39
AT5TE54525	10.04417	1.20E-48
AT4TE05190	10.04517	1.23E-95
AT5TE43975	10.04843	7.76E-80
AT2TE25740	10.05007	1.70E-68
AT2TE18455	10.05554	2.17E-51
AT5TE40565	10.06864	1.45E-81
AT2G11773	10.08035	1.83E-32
AT4TE21170	10.108	5.73E-75
AT4TE15820	10.11331	2.19E-95
AT2TE20220	10.11635	5.11E-91
AT1G44040	10.13646	3.72E-21
AT2TE16420	10.14622	2.35E-52
AT3TE62785	10.1498	6.03E-78
AT4TE19140	10.15991	7.07E-38
AT2TE48990	10.16235	1.22E-65
AT5G33251	10.16236	3.06E-81
AT4TE21190	10.16238	5.46E-53
AT1TE52125	10.16788	3.06E-51
AT1G20400	10.16878	1.01E-77
AT2TE05665	10.17768	1.88E-19
AT4TE09580	10.18072	5.83E-15
AT5TE55490	10.18521	1.76E-76
AT3TE61525	10.18675	1.08E-94
AT3TE64435	10.18811	3.03E-97
AT3TE61615	10.19246	9.23E-45
AT4TE13035	10.19288	1.92E-97
AT5TE65540	10.19333	4.24E-94
AT2TE63800	10.20078	1.21E-104
AT1TE50860	10.21364	9.84E-100
AT4G08593	10.21763	4.48E-77
AT4TE19150	10.22051	9.56E-73
AT3TE53045	10.22334	1.69E-60
AT3TE50595	10.22603	1.96E-98
AT1TE44630	10.22701	3.82E-57
AT3G43310	10.23657	1.98E-46
AT4TE20120	10.23691	1.26E-87
AT4TE16085	10.25004	6.04E-37
AT4TE18705	10.26228	1.14E-72
AT2TE20205	10.26429	2.27E-56
AT5TE42940	10.26509	2.08E-20
AT1TE51735	10.26742	3.90E-106
AT1TE46575	10.28164	1.17E-64
AT5TE44735	10.28168	9.65E-47
AT3TE55395	10.28381	2.67E-101
AT2TE17600	10.28804	4.40E-99

AT3TE49090	10.29139	5.50E-65
AT2TE15880	10.29149	9.95E-103
AT5TE52850	10.295	2.72E-47
AT1TE60180	10.29909	2.44E-93
AT1TE38940	10.32675	2.54E-98
AT4TE17205	10.32908	3.35E-95
AT3TE60425	10.34109	1.67E-44
AT5TE48820	10.35952	2.03E-55
AT2TE20590	10.36416	9.94E-49
AT1TE51065	10.36805	1.18E-51
AT5TE40425	10.37123	4.03E-90
AT5TE42920	10.37442	6.47E-33
AT5TE43615	10.38356	3.44E-83
AT3TE53985	10.39546	1.59E-100
AT5TE41425	10.40285	3.27E-54
AT5TE43385	10.41209	9.76E-97
AT4TE17115	10.41266	3.12E-43
AT5TE41070	10.42836	2.39E-67
AT3TE50570	10.43583	2.66E-49
AT2TE12555	10.44358	1.69E-65
AT4TE13990	10.46082	2.60E-24
AT5TE43275	10.46176	2.58E-14
AT3TE57050	10.47826	2.08E-48
AT4G06688	10.47833	1.97E-40
AT4TE10350	10.47842	4.04E-103
AT3TE59560	10.47859	6.52E-51
AT5TE43665	10.47914	1.76E-99
AT4TE15030	10.48747	6.90E-95
AT4TE17470	10.48769	4.23E-96
AT3G30230	10.49808	1.03E-34
AT3TE51250	10.51856	6.53E-79
AT5TE41865	10.52043	4.11E-99
AT5TE43980	10.52107	5.53E-94
AT2TE11920	10.52203	4.04E-103
AT3TE50605	10.52429	3.25E-27
AT5TE43940	10.52751	9.02E-92
AT4G16215	10.53036	2.07E-88
AT5TE42355	10.55345	1.03E-70
AT1TE42890	10.56568	1.22E-100
AT5TE42135	10.57124	9.67E-69
AT1TE41230	10.5736	6.23E-106
AT5TE41795	10.58312	4.23E-97
AT3TE51760	10.59677	1.73E-51
AT2TE12030	10.59861	1.93E-100
AT4TE18675	10.60419	3.40E-37
AT3TE59100	10.62035	2.53E-36
AT2TE22520	10.62081	7.76E-47
AT4TE20800	10.62594	1.76E-99
AT5TE43625	10.63634	1.20E-60

AT4TE09175	10.63696	5.74E-60
AT4G08691	10.6663	9.21E-93
AT1TE45390	10.66815	1.44E-40
AT5TE42660	10.67264	1.14E-31
AT2TE22335	10.67904	1.48E-86
AT5TE47160	10.68342	2.29E-53
AT3TE51325	10.68459	1.97E-100
AT5G35070	10.6851	1.42E-21
AT3TE62975	10.68681	3.12E-83
AT2TE42810	10.68693	2.49E-71
AT2TE09640	10.691	5.01E-61
AT3TE59455	10.71295	6.55E-35
AT1TE45135	10.72867	9.20E-84
AT3TE82555	10.73993	1.96E-60
AT5G03090	10.75573	1.69E-61
AT5TE42015	10.7929	7.21E-37
AT2TE19625	10.79353	2.95E-75
AT3TE55355	10.79466	4.16E-38
AT4TE13485	10.79468	3.17E-59
AT5TE39830	10.79737	1.49E-92
AT1G59930	10.81473	4.79E-51
AT3TE60285	10.82033	3.68E-92
AT3TE60525	10.82611	1.02E-69
AT1TE47745	10.8291	9.58E-45
AT3TE58580	10.83237	8.45E-33
AT4TE18670	10.83439	8.56E-66
AT3TE59620	10.84498	8.43E-86
AT4TE18715	10.86444	9.11E-67
AT2G06562	10.89294	5.93E-91
AT4TE18060	10.89685	1.68E-57
AT1TE46665	10.90342	1.07E-53
AT5TE51685	10.90659	3.78E-99
AT2TE19600	10.91651	3.15E-64
AT2TE17590	10.97608	6.91E-57
AT4G29200	10.98402	5.65E-50
AT5G15360	10.99078	2.47E-66
AT3TE60550	10.99086	7.53E-100
AT3TE57355	10.99733	1.64E-57
AT1TE49850	11.00247	2.30E-73
AT4TE15825	11.00626	2.39E-70
AT4TE09055	11.01196	1.22E-65
AT2TE24385	11.04687	6.23E-106
AT1TE45385	11.05097	1.27E-44
AT3TE50600	11.05172	2.03E-77
AT3TE55340	11.06149	5.34E-76
AT4TE15945	11.13921	5.19E-64
AT4TE18655	11.14335	3.86E-64
AT2TE17565	11.17592	5.21E-73
AT1TE45380	11.19534	1.33E-54

AT3TE55370		11.22316	2.41E-84
AT3TE60430		11.29761	9.90E-57
AT4TE20125		11.29873	1.96E-87
AT2TE13360		11.31445	1.19E-58
AT4TE15420		11.33245	6.15E-43
AT4TE13505		11.33699	1.73E-73
AT2G10260		11.37864	8.44E-63
AT3TE57345		11.38875	8.61E-57
AT2TE19005		11.39117	1.57E-49
AT3TE60560		11.39704	7.03E-88
AT1G59920		11.42654	2.32E-66
AT4TE19925		11.4322	2.24E-52
AT3TE54705		11.44387	3.12E-43
AT3TE53215		11.50767	8.33E-70
AT1TE49845		11.53463	1.03E-46
AT2TE19610		11.58086	1.84E-95
AT4G07720		11.58337	2.63E-33
AT5TE63610		11.59133	5.83E-83
AT4TE23345		11.66236	6.93E-67
AT1TE49955		11.68402	5.18E-92
AT1G47660		11.68772	1.94E-29
AT4TE18245		11.6998	4.53E-72
AT3TE50675		11.83125	3.26E-69
AT4TE07420		11.89782	2.17E-70
AT3TE54700		11.94216	1.19E-26
AT1TE62360		11.97149	4.98E-71
AT3G24542		12.05171	1.62E-71
AT1TE45375		12.25592	1.56E-72
AT1TE54925		12.51734	3.36E-79
AT2G11778		13.02167	6.89E-56
AT1TE39515		13.06151	9.02E-92
AT3TE47975		13.12869	7.68E-88
AT1TE43225	Inf		1.79E-10
AT1G11595	Inf		3.94E-24
AT1G19040	Inf		1.44E-06
AT1G19610	Inf		0.042773748
AT1G23300	Inf		0.000264006
AT1G27461	Inf		0.001795193
AT1G27570	Inf		2.40E-31
AT1G30784	Inf		3.39E-13
AT1G32000	Inf		2.79E-34
AT1G32010	Inf		1.12E-45
AT1G32720	Inf		0.006566602
AT1G33010	Inf		2.99E-06
AT1G34041	Inf		0.002314592
AT1G34070	Inf		0.036905218
AT1G34400	Inf		0.031449422
AT1G35500	Inf		7.05E-12
AT1G36100	Inf		1.14E-17

AT1G36230	Inf	0.001969929
AT1G36240	Inf	7.36E-21
AT1G36510	Inf	1.95E-06
AT1G36640	Inf	0.00043175
AT1G36660	Inf	0.000505859
AT1G36745	Inf	1.70E-11
AT1G37162	Inf	0.000736201
AT1G40078	Inf	0.002292049
AT1G41820	Inf	1.31E-07
AT1G41890	Inf	5.80E-36
AT1G42635	Inf	0.00014341
AT1G42680	Inf	4.03E-14
AT1G47765	Inf	0.008335238
AT1G52950	Inf	0.005334189
AT1G58300	Inf	0.003669526
AT1G66920	Inf	0.02657049
AT1TE04710	Inf	1.94E-12
AT1TE14085	Inf	4.97E-63
AT1TE19270	Inf	0.000401219
AT1TE20090	Inf	1.43E-09
AT1TE28375	Inf	0.022731005
AT1TE30195	Inf	0.042941911
AT1TE31935	Inf	1.38E-12
AT1TE33490	Inf	1.99E-32
AT1TE34580	Inf	1.11E-10
AT1TE35720	Inf	3.00E-06
AT1TE37215	Inf	2.98E-06
AT1TE37265	Inf	0.009752572
AT1TE38445	Inf	0.045883192
AT1TE39375	Inf	3.28E-46
AT1TE39880	Inf	0.010140066
AT1TE40940	Inf	0.000252567
AT1TE41345	Inf	3.44E-28
AT1TE41460	Inf	0.000707089
AT1TE41485	Inf	0.00837418
AT1TE41580	Inf	4.17E-09
AT1TE41735	Inf	0.001746576
AT1TE42375	Inf	0.00178546
AT1TE42380	Inf	9.25E-05
AT1TE42395	Inf	0.011738905
AT1TE42440	Inf	6.71E-06
AT1TE42450	Inf	3.90E-05
AT1TE42465	Inf	4.24E-30
AT1TE42490	Inf	8.08E-17
AT1TE43025	Inf	7.11E-13
AT1TE43030	Inf	7.74E-07
AT1TE43585	Inf	0.000821015
AT1TE43910	Inf	0.002636164
AT1TE44260	Inf	2.61E-08

AT1TE44265	Inf	1.53E-15
AT1TE44430	Inf	0.011991464
AT1TE44525	Inf	0.000341229
AT1TE44670	Inf	0.045080337
AT1TE44825	Inf	4.15E-06
AT1TE44875	Inf	4.95E-08
AT1TE44890	Inf	0.008153306
AT1TE44905	Inf	2.14E-23
AT1TE44910	Inf	1.06E-23
AT1TE45080	Inf	6.51E-07
AT1TE45145	Inf	0.035298324
AT1TE45180	Inf	0.000495185
AT1TE45200	Inf	1.04E-05
AT1TE45395	Inf	3.25E-05
AT1TE45475	Inf	4.45E-08
AT1TE45490	Inf	0.007401574
AT1TE45710	Inf	4.52E-08
AT1TE45790	Inf	2.91E-16
AT1TE45795	Inf	0.007708807
AT1TE45860	Inf	0.024471963
AT1TE45870	Inf	5.77E-40
AT1TE46140	Inf	5.66E-21
AT1TE46265	Inf	3.07E-19
AT1TE46270	Inf	0.028215264
AT1TE46275	Inf	6.01E-12
AT1TE46305	Inf	7.57E-27
AT1TE46310	Inf	8.39E-31
AT1TE46315	Inf	2.68E-05
AT1TE46405	Inf	1.84E-06
AT1TE46580	Inf	2.87E-20
AT1TE46585	Inf	2.98E-06
AT1TE46625	Inf	1.46E-31
AT1TE46630	Inf	6.25E-05
AT1TE46685	Inf	6.58E-05
AT1TE46690	Inf	0.040930747
AT1TE46755	Inf	2.49E-56
AT1TE46785	Inf	0.001039776
AT1TE46795	Inf	2.47E-16
AT1TE46805	Inf	2.98E-12
AT1TE46825	Inf	9.64E-41
AT1TE46960	Inf	2.12E-06
AT1TE47035	Inf	2.54E-11
AT1TE47540	Inf	0.001006876
AT1TE47550	Inf	1.21E-09
AT1TE47570	Inf	5.84E-09
AT1TE47595	Inf	0.003082952
AT1TE47630	Inf	0.015980176
AT1TE47705	Inf	4.84E-06
AT1TE47715	Inf	7.19E-06



AT1TE47720	Inf	0.000240246
AT1TE47730	Inf	1.86E-09
AT1TE47780	Inf	0.013796434
AT1TE47880	Inf	2.02E-08
AT1TE48025	Inf	1.63E-31
AT1TE48045	Inf	2.72E-08
AT1TE49260	Inf	2.72E-14
AT1TE49330	Inf	1.08E-14
AT1TE49755	Inf	2.65E-13
AT1TE50895	Inf	1.22E-18
AT1TE50985	Inf	0.001048154
AT1TE51000	Inf	1.87E-10
AT1TE51050	Inf	1.81E-05
AT1TE51070	Inf	0.005762984
AT1TE51175	Inf	1.37E-17
AT1TE51180	Inf	0.016746749
AT1TE51185	Inf	8.50E-05
AT1TE51190	Inf	0.006378278
AT1TE51260	Inf	0.001462798
AT1TE51265	Inf	0.004949962
AT1TE51270	Inf	0.00124337
AT1TE51275	Inf	1.04E-07
AT1TE51305	Inf	1.10E-05
AT1TE51360	Inf	0.004149204
AT1TE51475	Inf	0.013931285
AT1TE51615	Inf	2.77E-16
AT1TE51645	Inf	4.79E-19
AT1TE51650	Inf	3.45E-11
AT1TE51690	Inf	0.00106488
AT1TE51810	Inf	4.92E-07
AT1TE51870	Inf	0.019061129
AT1TE51900	Inf	8.32E-08
AT1TE51910	Inf	1.88E-14
AT1TE51950	Inf	1.09E-06
AT1TE51960	Inf	5.83E-18
AT1TE51985	Inf	3.50E-06
AT1TE51990	Inf	4.32E-07
AT1TE52025	Inf	0.001494929
AT1TE52090	Inf	0.004582946
AT1TE52105	Inf	2.02E-35
AT1TE52110	Inf	4.97E-39
AT1TE52135	Inf	1.24E-12
AT1TE52715	Inf	3.70E-11
AT1TE52995	Inf	0.008324764
AT1TE53000	Inf	0.04624047
AT1TE53050	Inf	1.67E-25
AT1TE53065	Inf	3.76E-53
AT1TE53090	Inf	1.08E-16
AT1TE53095	Inf	1.42E-20

AT1TE53380	Inf	2.26E-16
AT1TE53385	Inf	8.77E-22
AT1TE53635	Inf	1.92E-42
AT1TE53660	Inf	4.06E-30
AT1TE53730	Inf	0.013740165
AT1TE53765	Inf	0.004215059
AT1TE53825	Inf	2.20E-22
AT1TE53960	Inf	0.003596952
AT1TE53970	Inf	0.018351527
AT1TE53985	Inf	4.44E-06
AT1TE53995	Inf	1.13E-09
AT1TE54480	Inf	2.66E-24
AT1TE54530	Inf	6.10E-14
AT1TE54535	Inf	0.011477885
AT1TE54545	Inf	8.15E-16
AT1TE54650	Inf	9.08E-09
AT1TE56120	Inf	1.60E-06
AT1TE56235	Inf	0.000281542
AT1TE57045	Inf	5.88E-08
AT1TE57220	Inf	1.88E-28
AT1TE58075	Inf	4.53E-44
AT1TE58490	Inf	9.72E-05
AT1TE58625	Inf	0.039310797
AT1TE59135	Inf	3.29E-09
AT1TE59175	Inf	1.26E-05
AT1TE59745	Inf	6.03E-18
AT1TE66380	Inf	1.38E-06
AT1TE70490	Inf	0.005962129
AT1TE76735	Inf	0.042460324
AT1TE77165	Inf	0.000863521
AT1TE96100	Inf	8.07E-05
AT2G03934	Inf	1.56E-15
AT2G05635	Inf	0.010027261
AT2G05915	Inf	0.002349173
AT2G06845	Inf	2.05E-41
AT2G06904	Inf	1.57E-06
AT2G07190	Inf	5.10E-07
AT2G07200	Inf	0.005240146
AT2G07213	Inf	3.24E-21
AT2G07240	Inf	1.77E-24
AT2G07280	Inf	1.22E-05
AT2G07760	Inf	1.53E-12
AT2G09388	Inf	0.010333681
AT2G09840	Inf	5.34E-08
AT2G10430	Inf	0.013547397
AT2G10965	Inf	7.79E-05
AT2G10975	Inf	0.009742228
AT2G11015	Inf	0.000251508
AT2G11271	Inf	0.000625324

AT2G11623	Inf	7.57E-09
AT2G11930	Inf	1.33E-32
AT2G11983	Inf	1.48E-15
AT2G12050	Inf	5.30E-12
AT2G12875	Inf	0.045805721
AT2G12935	Inf	2.72E-09
AT2G13770	Inf	0.017181432
AT2G13950	Inf	0.021053598
AT2G14410	Inf	1.43E-42
AT2G15110	Inf	5.59E-45
AT2G15420	Inf	3.74E-13
AT2G18660	Inf	0.000160779
AT2G24750	Inf	3.85E-05
AT2G24780	Inf	3.06E-08
AT2G40955	Inf	0.00118757
AT2G43865	Inf	3.84E-09
AT2G45220	Inf	0.008511721
AT2TE00030	Inf	2.30E-08
AT2TE01000	Inf	0.016746749
AT2TE02465	Inf	0.049708224
AT2TE02595	Inf	0.012579898
AT2TE03625	Inf	0.004461983
AT2TE05410	Inf	1.72E-05
AT2TE05440	Inf	3.01E-09
AT2TE06040	Inf	0.000471648
AT2TE06615	Inf	8.79E-25
AT2TE08110	Inf	5.37E-05
AT2TE08120	Inf	3.94E-11
AT2TE08320	Inf	5.10E-20
AT2TE08665	Inf	5.11E-16
AT2TE08785	Inf	3.28E-08
AT2TE09100	Inf	2.30E-09
AT2TE09615	Inf	1.38E-05
AT2TE09625	Inf	0.004762462
AT2TE09635	Inf	6.96E-29
AT2TE10265	Inf	3.83E-06
AT2TE10585	Inf	0.028296381
AT2TE10985	Inf	9.70E-29
AT2TE11010	Inf	0.003900432
AT2TE11015	Inf	3.44E-19
AT2TE11040	Inf	0.040323344
AT2TE11050	Inf	1.55E-23
AT2TE11110	Inf	2.68E-07
AT2TE11145	Inf	9.35E-06
AT2TE11315	Inf	6.54E-12
AT2TE11360	Inf	0.000266526
AT2TE11500	Inf	0.013989784
AT2TE11515	Inf	1.14E-08
AT2TE11540	Inf	1.33E-10

AT2TE11555	Inf	1.26E-20
AT2TE11560	Inf	7.24E-08
AT2TE11765	Inf	1.33E-17
AT2TE11960	Inf	9.00E-59
AT2TE12225	Inf	0.002458151
AT2TE12230	Inf	0.000108227
AT2TE12295	Inf	1.23E-05
AT2TE12300	Inf	9.47E-08
AT2TE12305	Inf	0.005296422
AT2TE12310	Inf	5.34E-09
AT2TE12315	Inf	4.86E-09
AT2TE12450	Inf	0.000920197
AT2TE12470	Inf	1.18E-23
AT2TE12660	Inf	0.02596122
AT2TE12825	Inf	3.72E-58
AT2TE12960	Inf	0.004732594
AT2TE13025	Inf	5.32E-14
AT2TE13080	Inf	8.02E-11
AT2TE13145	Inf	0.000541317
AT2TE13245	Inf	0.014297549
AT2TE13340	Inf	1.00E-27
AT2TE13355	Inf	4.62E-05
AT2TE13385	Inf	0.027657796
AT2TE13440	Inf	2.92E-15
AT2TE13865	Inf	0.002074481
AT2TE13870	Inf	2.67E-19
AT2TE13950	Inf	2.16E-11
AT2TE13955	Inf	0.007751407
AT2TE15410	Inf	6.65E-05
AT2TE15570	Inf	1.84E-09
AT2TE15590	Inf	9.75E-05
AT2TE16010	Inf	7.82E-07
AT2TE16030	Inf	5.25E-24
AT2TE16190	Inf	0.006246093
AT2TE16365	Inf	2.79E-06
AT2TE16385	Inf	0.010196895
AT2TE16390	Inf	1.73E-15
AT2TE16510	Inf	2.10E-15
AT2TE16545	Inf	0.030457727
AT2TE16560	Inf	2.86E-05
AT2TE16565	Inf	0.006121031
AT2TE16570	Inf	1.42E-11
AT2TE16600	Inf	1.28E-05
AT2TE16605	Inf	2.04E-06
AT2TE16665	Inf	0.00198439
AT2TE16800	Inf	2.31E-08
AT2TE16815	Inf	0.000840103
AT2TE16825	Inf	3.01E-63
AT2TE16850	Inf	1.96E-06

AT2TE16870	Inf	2.39E-08
AT2TE17095	Inf	2.07E-19
AT2TE17115	Inf	0.005453332
AT2TE17305	Inf	1.43E-16
AT2TE17555	Inf	5.63E-08
AT2TE17640	Inf	3.94E-13
AT2TE17645	Inf	0.028572878
AT2TE17650	Inf	3.23E-19
AT2TE17730	Inf	0.000204468
AT2TE17870	Inf	0.024914923
AT2TE17875	Inf	1.73E-06
AT2TE17940	Inf	0.009263809
AT2TE17985	Inf	2.40E-19
AT2TE18005	Inf	0.02994879
AT2TE18025	Inf	2.49E-05
AT2TE18335	Inf	1.25E-19
AT2TE18410	Inf	3.22E-41
AT2TE18440	Inf	1.27E-32
AT2TE18450	Inf	2.51E-50
AT2TE18695	Inf	0.033003289
AT2TE18830	Inf	3.10E-07
AT2TE18860	Inf	0.005026914
AT2TE18875	Inf	0.001019366
AT2TE18885	Inf	8.81E-14
AT2TE18895	Inf	3.34E-06
AT2TE18980	Inf	2.29E-05
AT2TE19075	Inf	1.48E-12
AT2TE19125	Inf	0.042773748
AT2TE19160	Inf	2.82E-05
AT2TE19240	Inf	7.36E-05
AT2TE19350	Inf	0.04532599
AT2TE19430	Inf	1.15E-26
AT2TE19475	Inf	2.59E-20
AT2TE19480	Inf	1.33E-06
AT2TE19500	Inf	0.04580822
AT2TE19515	Inf	0.031091449
AT2TE19535	Inf	0.004168289
AT2TE19590	Inf	1.96E-59
AT2TE19615	Inf	2.25E-37
AT2TE19620	Inf	6.69E-15
AT2TE19660	Inf	0.023186558
AT2TE19855	Inf	0.005555524
AT2TE19970	Inf	2.92E-05
AT2TE19985	Inf	1.58E-06
AT2TE20000	Inf	1.05E-14
AT2TE20005	Inf	0.011124265
AT2TE20010	Inf	0.019951015
AT2TE20045	Inf	0.023742125
AT2TE20105	Inf	3.04E-07

AT2TE20110	Inf	0.030935945
AT2TE20160	Inf	0.01598856
AT2TE20230	Inf	0.039312031
AT2TE20260	Inf	1.22E-05
AT2TE20330	Inf	0.012953242
AT2TE20335	Inf	2.39E-09
AT2TE20420	Inf	2.06E-05
AT2TE20435	Inf	5.53E-18
AT2TE20440	Inf	1.24E-34
AT2TE20445	Inf	1.08E-50
AT2TE20450	Inf	4.68E-35
AT2TE20600	Inf	0.002742541
AT2TE20605	Inf	7.32E-15
AT2TE20665	Inf	4.01E-08
AT2TE20735	Inf	4.77E-24
AT2TE20930	Inf	0.038198557
AT2TE20960	Inf	4.59E-09
AT2TE20965	Inf	0.001488649
AT2TE21065	Inf	0.014511996
AT2TE21100	Inf	4.13E-16
AT2TE21225	Inf	0.032417109
AT2TE21295	Inf	2.01E-29
AT2TE21450	Inf	3.59E-05
AT2TE21525	Inf	3.79E-09
AT2TE21530	Inf	8.73E-30
AT2TE21535	Inf	4.33E-13
AT2TE21545	Inf	1.13E-09
AT2TE21555	Inf	8.77E-10
AT2TE21610	Inf	0.000946996
AT2TE21705	Inf	0.000205762
AT2TE21730	Inf	0.02237573
AT2TE21745	Inf	3.47E-11
AT2TE21760	Inf	1.83E-14
AT2TE21765	Inf	3.57E-10
AT2TE21855	Inf	2.43E-47
AT2TE22065	Inf	6.47E-13
AT2TE22175	Inf	0.000382694
AT2TE22185	Inf	1.22E-30
AT2TE22225	Inf	0.014982796
AT2TE22230	Inf	2.53E-10
AT2TE22245	Inf	8.33E-09
AT2TE22505	Inf	2.82E-31
AT2TE22550	Inf	1.37E-07
AT2TE22565	Inf	0.00499005
AT2TE22635	Inf	0.002930568
AT2TE23120	Inf	0.005555524
AT2TE23175	Inf	5.47E-13
AT2TE23210	Inf	0.00011921
AT2TE23510	Inf	2.42E-05

AT2TE23940	Inf	4.97E-05
AT2TE24250	Inf	0.000907279
AT2TE24335	Inf	0.003509229
AT2TE24850	Inf	7.81E-05
AT2TE25095	Inf	0.013760797
AT2TE25350	Inf	1.50E-07
AT2TE25360	Inf	6.38E-36
AT2TE25515	Inf	0.001373557
AT2TE25520	Inf	1.63E-12
AT2TE25840	Inf	4.14E-14
AT2TE26230	Inf	4.82E-48
AT2TE26275	Inf	4.01E-06
AT2TE26285	Inf	0.016314851
AT2TE26360	Inf	0.042609088
AT2TE26380	Inf	4.67E-16
AT2TE26450	Inf	1.04E-07
AT2TE26470	Inf	0.001186784
AT2TE26680	Inf	4.47E-35
AT2TE26685	Inf	1.67E-08
AT2TE26875	Inf	0.002994488
AT2TE27460	Inf	7.95E-24
AT2TE27470	Inf	9.46E-06
AT2TE27950	Inf	0.001865995
AT2TE28030	Inf	5.03E-25
AT2TE28035	Inf	0.00194857
AT2TE28160	Inf	3.25E-07
AT2TE28260	Inf	3.10E-05
AT2TE28285	Inf	3.90E-12
AT2TE28430	Inf	0.000671907
AT2TE28565	Inf	0.001062719
AT2TE28755	Inf	0.000288093
AT2TE29220	Inf	0.037450417
AT2TE29340	Inf	1.24E-05
AT2TE29450	Inf	3.89E-15
AT2TE38900	Inf	1.51E-21
AT2TE38905	Inf	8.82E-06
AT2TE41090	Inf	2.13E-11
AT2TE45205	Inf	0.004949962
AT2TE45465	Inf	5.91E-34
AT2TE69490	Inf	0.021715002
AT2TE69630	Inf	6.36E-08
AT2TE78935	Inf	0.000965751
AT2TE78940	Inf	6.82E-12
AT3G10950	Inf	1.05E-05
AT3G15250	Inf	4.37E-05
AT3G23970	Inf	0.006676084
AT3G25719	Inf	0.001124453
AT3G25720	Inf	2.18E-05
AT3G28410	Inf	0.002297028

AT3G29638	Inf	0.000625324
AT3G30820	Inf	6.42E-58
AT3G30867	Inf	5.81E-10
AT3G31350	Inf	9.45E-20
AT3G31430	Inf	0.016470474
AT3G31908	Inf	0.000253125
AT3G31950	Inf	0.016458342
AT3G32160	Inf	0.000279675
AT3G32180	Inf	3.59E-07
AT3G33025	Inf	5.13E-05
AT3G33293	Inf	0.008828084
AT3G42060	Inf	0.000624172
AT3G42628	Inf	0.025391545
AT3G42723	Inf	2.32E-24
AT3G43150	Inf	5.92E-07
AT3G43290	Inf	0.012640941
AT3G43490	Inf	0.001356328
AT3G43572	Inf	0.001260928
AT3G43574	Inf	4.64E-10
AT3G43826	Inf	0.000694148
AT3G45510	Inf	9.04E-13
AT3G45820	Inf	9.87E-18
AT3G49230	Inf	0.036048144
AT3G50320	Inf	0.000413906
AT3G50540	Inf	0.000110398
AT3G53910	Inf	6.04E-10
AT3G54530	Inf	0.001412711
AT3TE11850	Inf	0.023032469
AT3TE18050	Inf	0.034513291
AT3TE34420	Inf	2.41E-05
AT3TE34430	Inf	4.03E-15
AT3TE37060	Inf	0.014785408
AT3TE37110	Inf	0.027156952
AT3TE37690	Inf	5.27E-26
AT3TE38565	Inf	0.010211252
AT3TE38995	Inf	0.001018745
AT3TE39220	Inf	0.007887461
AT3TE40135	Inf	0.015073436
AT3TE40145	Inf	1.17E-10
AT3TE40720	Inf	1.65E-05
AT3TE41640	Inf	3.47E-05
AT3TE42280	Inf	0.007603223
AT3TE43545	Inf	0.002209486
AT3TE43745	Inf	0.001439657
AT3TE44950	Inf	3.13E-64
AT3TE45800	Inf	6.82E-15
AT3TE46350	Inf	8.72E-05
AT3TE47235	Inf	8.79E-61
AT3TE47370	Inf	4.38E-15



AT3TE47560	Inf	0.000392942
AT3TE47595	Inf	0.012132596
AT3TE47620	Inf	4.55E-16
AT3TE47625	Inf	0.000178139
AT3TE47755	Inf	2.84E-05
AT3TE47770	Inf	6.42E-09
AT3TE47775	Inf	2.42E-17
AT3TE47890	Inf	0.00708204
AT3TE47980	Inf	0.034513291
AT3TE47985	Inf	0.000368193
AT3TE48140	Inf	2.57E-09
AT3TE48365	Inf	0.000734914
AT3TE49420	Inf	5.01E-19
AT3TE49545	Inf	9.75E-06
AT3TE49720	Inf	1.90E-28
AT3TE49725	Inf	4.50E-13
AT3TE50020	Inf	1.68E-37
AT3TE50030	Inf	2.93E-05
AT3TE50040	Inf	0.013256039
AT3TE50050	Inf	6.27E-14
AT3TE50055	Inf	0.009658814
AT3TE50120	Inf	1.32E-05
AT3TE50125	Inf	4.03E-19
AT3TE50165	Inf	0.001892026
AT3TE50560	Inf	1.14E-43
AT3TE50650	Inf	0.000262382
AT3TE50655	Inf	2.99E-60
AT3TE50775	Inf	1.86E-34
AT3TE50875	Inf	0.027568744
AT3TE51285	Inf	0.017868383
AT3TE51290	Inf	3.57E-27
AT3TE51300	Inf	4.59E-47
AT3TE51535	Inf	4.20E-12
AT3TE51565	Inf	0.027765243
AT3TE51620	Inf	0.028366882
AT3TE51630	Inf	1.72E-06
AT3TE51635	Inf	0.015558209
AT3TE51640	Inf	3.36E-07
AT3TE51650	Inf	6.00E-43
AT3TE51670	Inf	2.98E-13
AT3TE51685	Inf	0.009658814
AT3TE51740	Inf	6.47E-06
AT3TE51810	Inf	9.74E-06
AT3TE51895	Inf	2.13E-16
AT3TE51900	Inf	3.20E-14
AT3TE52020	Inf	4.03E-19
AT3TE52215	Inf	6.59E-10
AT3TE52225	Inf	9.63E-05
AT3TE52280	Inf	0.004405717

AT3TE52300	Inf	5.25E-28
AT3TE52325	Inf	3.27E-21
AT3TE52365	Inf	0.000622373
AT3TE52445	Inf	3.74E-05
AT3TE52510	Inf	9.40E-11
AT3TE52550	Inf	5.56E-25
AT3TE52630	Inf	1.05E-15
AT3TE52665	Inf	2.10E-33
AT3TE52800	Inf	5.52E-05
AT3TE52805	Inf	0.000218349
AT3TE52935	Inf	4.09E-12
AT3TE53095	Inf	6.79E-15
AT3TE53100	Inf	1.24E-05
AT3TE53130	Inf	0.002012417
AT3TE53195	Inf	0.004324026
AT3TE53295	Inf	0.029318792
AT3TE53490	Inf	0.020627846
AT3TE53495	Inf	2.45E-07
AT3TE53590	Inf	0.00066384
AT3TE53600	Inf	8.07E-08
AT3TE53615	Inf	8.60E-08
AT3TE53755	Inf	0.016143713
AT3TE53765	Inf	1.16E-07
AT3TE53835	Inf	2.80E-05
AT3TE53845	Inf	0.000683333
AT3TE53850	Inf	1.45E-63
AT3TE53965	Inf	0.00473869
AT3TE54000	Inf	3.07E-62
AT3TE54180	Inf	5.74E-39
AT3TE54185	Inf	1.54E-08
AT3TE54385	Inf	1.61E-05
AT3TE54500	Inf	1.20E-13
AT3TE54510	Inf	0.00243491
AT3TE54690	Inf	3.79E-09
AT3TE54695	Inf	9.77E-22
AT3TE54735	Inf	4.05E-40
AT3TE54780	Inf	3.29E-09
AT3TE54815	Inf	1.42E-09
AT3TE54845	Inf	1.26E-16
AT3TE54865	Inf	1.11E-07
AT3TE54985	Inf	2.96E-12
AT3TE55025	Inf	3.18E-17
AT3TE55030	Inf	0.000384917
AT3TE55155	Inf	1.56E-17
AT3TE55160	Inf	3.55E-06
AT3TE55350	Inf	0.00308593
AT3TE55425	Inf	0.00576855
AT3TE55440	Inf	0.01136311
AT3TE56630	Inf	1.31E-05

AT3TE56640	Inf	3.75E-06
AT3TE56710	Inf	1.51E-05
AT3TE56730	Inf	0.001963742
AT3TE57090	Inf	9.61E-06
AT3TE57095	Inf	0.002046275
AT3TE57100	Inf	1.36E-07
AT3TE57110	Inf	2.25E-37
AT3TE57160	Inf	7.64E-06
AT3TE57165	Inf	0.032609835
AT3TE57215	Inf	0.002933394
AT3TE57275	Inf	2.59E-09
AT3TE57350	Inf	0.040500432
AT3TE57360	Inf	3.62E-42
AT3TE57365	Inf	7.58E-08
AT3TE57435	Inf	0.000398474
AT3TE57445	Inf	5.47E-24
AT3TE57470	Inf	2.48E-16
AT3TE57525	Inf	3.34E-06
AT3TE57550	Inf	0.005172907
AT3TE57555	Inf	0.002437649
AT3TE57565	Inf	1.60E-14
AT3TE57575	Inf	0.020908725
AT3TE57600	Inf	5.00E-19
AT3TE57655	Inf	0.010263945
AT3TE57660	Inf	0.024032074
AT3TE58090	Inf	2.90E-09
AT3TE58495	Inf	0.000744908
AT3TE58560	Inf	0.000109529
AT3TE58575	Inf	1.30E-12
AT3TE58585	Inf	9.16E-22
AT3TE58590	Inf	0.000284705
AT3TE58605	Inf	1.22E-43
AT3TE58620	Inf	6.25E-27
AT3TE58625	Inf	0.001566408
AT3TE58630	Inf	1.11E-22
AT3TE58655	Inf	1.51E-40
AT3TE58745	Inf	2.67E-06
AT3TE58900	Inf	2.56E-37
AT3TE59040	Inf	1.57E-07
AT3TE59055	Inf	6.76E-05
AT3TE59085	Inf	9.33E-12
AT3TE59105	Inf	2.51E-29
AT3TE59155	Inf	3.67E-15
AT3TE59160	Inf	1.08E-07
AT3TE59290	Inf	3.25E-06
AT3TE59335	Inf	0.000624018
AT3TE59480	Inf	0.002717026
AT3TE59535	Inf	0.017226008
AT3TE59545	Inf	1.19E-09

AT3TE59580	Inf	0.000577205
AT3TE59610	Inf	1.24E-34
AT3TE59695	Inf	0.006586626
AT3TE59855	Inf	0.001038976
AT3TE59880	Inf	7.56E-08
AT3TE59895	Inf	0.003355121
AT3TE60020	Inf	1.15E-08
AT3TE60155	Inf	3.24E-15
AT3TE60205	Inf	1.64E-09
AT3TE60295	Inf	3.03E-06
AT3TE60410	Inf	1.12E-23
AT3TE60465	Inf	8.06E-09
AT3TE60555	Inf	3.49E-25
AT3TE60610	Inf	7.83E-06
AT3TE60740	Inf	0.030087129
AT3TE60915	Inf	0.000947216
AT3TE60925	Inf	0.000677552
AT3TE61020	Inf	0.031635443
AT3TE61070	Inf	3.45E-23
AT3TE61295	Inf	0.002568316
AT3TE61305	Inf	0.049563399
AT3TE61315	Inf	0.016739393
AT3TE61400	Inf	7.42E-09
AT3TE61480	Inf	2.63E-13
AT3TE61530	Inf	3.54E-06
AT3TE61535	Inf	6.45E-18
AT3TE61610	Inf	1.65E-06
AT3TE61640	Inf	4.28E-26
AT3TE62010	Inf	0.042460324
AT3TE62020	Inf	0.027681467
AT3TE62130	Inf	9.24E-12
AT3TE62215	Inf	5.13E-09
AT3TE62260	Inf	7.44E-11
AT3TE62390	Inf	7.09E-40
AT3TE62395	Inf	7.83E-64
AT3TE62450	Inf	0.01431026
AT3TE62455	Inf	1.83E-05
AT3TE62570	Inf	1.19E-24
AT3TE62595	Inf	2.86E-30
AT3TE62655	Inf	0.002420177
AT3TE62780	Inf	2.14E-14
AT3TE62940	Inf	0.003147092
AT3TE63020	Inf	0.000132355
AT3TE63035	Inf	3.00E-42
AT3TE63040	Inf	2.23E-42
AT3TE63165	Inf	3.03E-11
AT3TE63200	Inf	0.01866367
AT3TE63205	Inf	1.49E-14
AT3TE63210	Inf	0.000124463

AT3TE63465	Inf	4.04E-27
AT3TE64770	Inf	4.94E-11
AT3TE65100	Inf	4.41E-08
AT3TE66875	Inf	1.07E-22
AT3TE67295	Inf	5.76E-14
AT3TE67540	Inf	4.53E-16
AT3TE67745	Inf	0.000569741
AT3TE70590	Inf	1.34E-05
AT3TE90545	Inf	2.99E-13
AT3TE90570	Inf	0.000430328
AT3TE92350	Inf	3.51E-08
AT4G03570	Inf	1.07E-22
AT4G03723	Inf	7.49E-20
AT4G03950	Inf	3.82E-38
AT4G04030	Inf	5.81E-37
AT4G04580	Inf	0.02012725
AT4G04653	Inf	5.44E-05
AT4G04775	Inf	0.000176127
AT4G06608	Inf	1.20E-20
AT4G06641	Inf	3.15E-13
AT4G07524	Inf	6.90E-15
AT4G08190	Inf	1.80E-07
AT4G09360	Inf	0.000317935
AT4G15393	Inf	4.45E-09
AT4G18150	Inf	1.78E-54
AT4G19239	Inf	2.32E-42
AT4G20860	Inf	0.003162579
AT4G23210	Inf	0.000132218
AT4TE00230	Inf	0.00045745
AT4TE07395	Inf	0.039462641
AT4TE07415	Inf	0.007137874
AT4TE08260	Inf	0.045011793
AT4TE08435	Inf	1.40E-23
AT4TE08445	Inf	5.06E-29
AT4TE08450	Inf	0.04257496
AT4TE08985	Inf	0.001881101
AT4TE09060	Inf	3.55E-45
AT4TE09135	Inf	8.73E-10
AT4TE09165	Inf	2.24E-06
AT4TE09250	Inf	1.79E-08
AT4TE09385	Inf	2.48E-17
AT4TE09455	Inf	1.24E-06
AT4TE09460	Inf	1.54E-09
AT4TE09480	Inf	2.89E-18
AT4TE09505	Inf	1.55E-20
AT4TE09540	Inf	9.43E-06
AT4TE09545	Inf	0.000198063
AT4TE09550	Inf	0.003803391
AT4TE09560	Inf	2.09E-14

AT4TE09570	Inf	3.25E-29
AT4TE09780	Inf	4.92E-16
AT4TE09810	Inf	6.77E-08
AT4TE10210	Inf	1.57E-42
AT4TE10255	Inf	0.000281542
AT4TE10335	Inf	0.006424076
AT4TE10490	Inf	0.024325053
AT4TE10680	Inf	0.000126966
AT4TE10980	Inf	0.003252289
AT4TE10985	Inf	0.041538043
AT4TE12570	Inf	0.005190872
AT4TE12615	Inf	0.013220075
AT4TE12620	Inf	0.001210049
AT4TE13060	Inf	0.000971659
AT4TE13070	Inf	1.43E-22
AT4TE13290	Inf	2.68E-05
AT4TE13295	Inf	0.001168197
AT4TE13515	Inf	9.85E-14
AT4TE13555	Inf	5.33E-06
AT4TE13565	Inf	1.40E-14
AT4TE13985	Inf	1.18E-09
AT4TE14035	Inf	8.16E-11
AT4TE14065	Inf	3.84E-05
AT4TE14130	Inf	1.57E-31
AT4TE14135	Inf	7.78E-21
AT4TE14210	Inf	0.003942699
AT4TE14225	Inf	0.001935879
AT4TE14230	Inf	0.003220976
AT4TE14240	Inf	1.43E-08
AT4TE14445	Inf	1.84E-05
AT4TE14490	Inf	0.001039776
AT4TE15005	Inf	1.24E-06
AT4TE15010	Inf	0.002566628
AT4TE15115	Inf	5.62E-07
AT4TE15195	Inf	0.00449449
AT4TE15260	Inf	2.33E-29
AT4TE15285	Inf	4.85E-38
AT4TE15380	Inf	1.24E-28
AT4TE15415	Inf	3.26E-05
AT4TE15435	Inf	4.48E-28
AT4TE15475	Inf	8.13E-10
AT4TE15490	Inf	0.000432665
AT4TE15495	Inf	0.000824097
AT4TE15500	Inf	2.60E-12
AT4TE15525	Inf	4.60E-16
AT4TE15555	Inf	6.13E-20
AT4TE15585	Inf	1.66E-26
AT4TE15615	Inf	7.28E-06
AT4TE15740	Inf	3.19E-09

AT4TE15745	Inf	8.70E-08
AT4TE15750	Inf	2.88E-18
AT4TE15755	Inf	9.33E-15
AT4TE15835	Inf	2.98E-67
AT4TE15890	Inf	6.92E-42
AT4TE15915	Inf	0.000880857
AT4TE15940	Inf	2.61E-22
AT4TE16150	Inf	6.51E-10
AT4TE16165	Inf	1.49E-09
AT4TE16175	Inf	2.86E-16
AT4TE16210	Inf	0.003957773
AT4TE16230	Inf	1.25E-18
AT4TE16235	Inf	6.01E-06
AT4TE16385	Inf	1.41E-23
AT4TE16390	Inf	3.06E-53
AT4TE16480	Inf	0.001288085
AT4TE16510	Inf	2.86E-09
AT4TE16560	Inf	0.001362457
AT4TE16565	Inf	1.78E-65
AT4TE16570	Inf	1.72E-17
AT4TE16600	Inf	0.04195819
AT4TE16750	Inf	3.19E-08
AT4TE16845	Inf	1.34E-08
AT4TE16870	Inf	1.26E-09
AT4TE16980	Inf	3.57E-05
AT4TE17065	Inf	0.000411109
AT4TE17075	Inf	0.000339023
AT4TE17185	Inf	0.02900024
AT4TE17240	Inf	8.49E-15
AT4TE17505	Inf	4.57E-05
AT4TE17510	Inf	5.42E-46
AT4TE17520	Inf	3.38E-06
AT4TE17925	Inf	7.89E-07
AT4TE18065	Inf	0.02996119
AT4TE18075	Inf	0.018474139
AT4TE18205	Inf	6.32E-09
AT4TE18330	Inf	2.86E-21
AT4TE18355	Inf	0.001814641
AT4TE18365	Inf	5.24E-18
AT4TE18440	Inf	3.31E-44
AT4TE18500	Inf	3.00E-15
AT4TE18505	Inf	1.58E-06
AT4TE18595	Inf	5.73E-21
AT4TE18615	Inf	1.88E-22
AT4TE18630	Inf	2.68E-37
AT4TE18645	Inf	5.46E-17
AT4TE18665	Inf	1.26E-42
AT4TE18775	Inf	0.003023144
AT4TE18865	Inf	5.35E-07

AT4TE18995	Inf	0.000221806
AT4TE19135	Inf	6.80E-13
AT4TE19380	Inf	0.003088244
AT4TE19405	Inf	7.47E-16
AT4TE19530	Inf	3.90E-06
AT4TE19655	Inf	5.60E-09
AT4TE19780	Inf	2.23E-06
AT4TE19825	Inf	0.023386641
AT4TE19830	Inf	0.027005417
AT4TE19850	Inf	0.001087867
AT4TE19885	Inf	0.004639846
AT4TE19905	Inf	4.02E-11
AT4TE20085	Inf	3.62E-06
AT4TE20385	Inf	5.44E-07
AT4TE20805	Inf	1.54E-06
AT4TE20920	Inf	0.001966458
AT4TE20930	Inf	0.017844217
AT4TE20975	Inf	0.000708751
AT4TE21140	Inf	5.12E-06
AT4TE21180	Inf	3.44E-29
AT4TE21185	Inf	7.05E-08
AT4TE21520	Inf	0.024937434
AT4TE22970	Inf	1.13E-36
AT4TE23195	Inf	0.020254799
AT4TE23425	Inf	1.55E-11
AT4TE23825	Inf	2.67E-25
AT4TE24480	Inf	0.004068059
AT4TE24720	Inf	0.049195064
AT4TE24825	Inf	0.001894793
AT4TE25025	Inf	6.49E-09
AT4TE25590	Inf	1.06E-10
AT4TE28870	Inf	1.08E-06
AT4TE39815	Inf	7.69E-37
AT4TE40115	Inf	0.000676168
AT4TE44395	Inf	2.15E-10
AT4TE44400	Inf	0.000274865
AT4TE45190	Inf	3.58E-23
AT4TE46310	Inf	2.52E-40
AT4TE47620	Inf	0.000169301
AT4TE54700	Inf	5.28E-11
AT4TE80960	Inf	0.020696902
AT5G01080	Inf	1.37E-51
AT5G06500	Inf	0.047418312
AT5G07570	Inf	4.23E-07
AT5G15420	Inf	7.10E-17
AT5G24480	Inf	9.35E-61
AT5G26840	Inf	0.002093497
AT5G27340	Inf	4.79E-05
AT5G28052	Inf	3.91E-22



AT5G28090	Inf	1.17E-11
AT5G28560	Inf	1.35E-16
AT5G28780	Inf	0.004726712
AT5G28800	Inf	4.30E-29
AT5G28823	Inf	2.33E-27
AT5G28824	Inf	2.21E-44
AT5G29807	Inf	3.97E-09
AT5G30420	Inf	1.64E-31
AT5G32471	Inf	1.53E-23
AT5G32613	Inf	6.12E-27
AT5G33210	Inf	4.37E-05
AT5G33258	Inf	3.29E-05
AT5G33310	Inf	3.86E-55
AT5G33806	Inf	7.60E-13
AT5G33898	Inf	0.000138576
AT5G34581	Inf	0.030102264
AT5G34832	Inf	0.00073143
AT5G34848	Inf	0.000541795
AT5G35050	Inf	0.000311519
AT5G35120	Inf	3.43E-10
AT5G35375	Inf	8.25E-40
AT5G35603	Inf	3.18E-17
AT5G35796	Inf	0.041632579
AT5G35890	Inf	2.21E-30
AT5G35932	Inf	5.59E-18
AT5G36228	Inf	9.08E-18
AT5G40430	Inf	2.25E-05
AT5G48860	Inf	2.21E-07
AT5G60560	Inf	4.59E-05
AT5TE00230	Inf	7.21E-46
AT5TE08220	Inf	1.00E-08
AT5TE08870	Inf	0.000103212
AT5TE14165	Inf	0.001391367
AT5TE15640	Inf	6.09E-43
AT5TE15645	Inf	0.001894793
AT5TE18895	Inf	3.85E-19
AT5TE18900	Inf	6.28E-09
AT5TE26805	Inf	1.86E-22
AT5TE29520	Inf	0.01459263
AT5TE32880	Inf	2.39E-05
AT5TE34435	Inf	2.43E-13
AT5TE34730	Inf	1.87E-49
AT5TE34960	Inf	8.61E-23
AT5TE35185	Inf	4.42E-29
AT5TE35205	Inf	0.003996378
AT5TE35260	Inf	4.40E-24
AT5TE35265	Inf	2.39E-50
AT5TE35705	Inf	0.017289499
AT5TE36235	Inf	1.55E-16

AT5TE36330	Inf	1.18E-06
AT5TE36335	Inf	4.09E-26
AT5TE36620	Inf	2.67E-16
AT5TE36720	Inf	9.52E-10
AT5TE36725	Inf	1.36E-05
AT5TE36730	Inf	9.91E-05
AT5TE36735	Inf	0.002554323
AT5TE36805	Inf	3.13E-12
AT5TE36825	Inf	1.43E-15
AT5TE36840	Inf	0.005259492
AT5TE36845	Inf	2.04E-10
AT5TE36975	Inf	0.000188028
AT5TE37665	Inf	4.52E-19
AT5TE37825	Inf	3.63E-13
AT5TE38025	Inf	5.37E-05
AT5TE38070	Inf	0.04975822
AT5TE38280	Inf	6.56E-07
AT5TE38350	Inf	2.18E-06
AT5TE38370	Inf	0.014114309
AT5TE38615	Inf	4.29E-49
AT5TE38635	Inf	0.000644714
AT5TE38650	Inf	9.57E-05
AT5TE38945	Inf	2.79E-12
AT5TE38995	Inf	0.009078392
AT5TE39045	Inf	3.01E-10
AT5TE39085	Inf	2.19E-11
AT5TE39090	Inf	2.69E-39
AT5TE39105	Inf	0.029193864
AT5TE39275	Inf	5.52E-07
AT5TE39320	Inf	4.97E-19
AT5TE39415	Inf	8.96E-11
AT5TE39420	Inf	8.79E-14
AT5TE39560	Inf	6.34E-06
AT5TE39850	Inf	2.14E-22
AT5TE40085	Inf	0.001005739
AT5TE40105	Inf	0.015097645
AT5TE40120	Inf	0.007383226
AT5TE40130	Inf	2.90E-07
AT5TE40195	Inf	1.38E-05
AT5TE40235	Inf	0.005771326
AT5TE40310	Inf	1.88E-15
AT5TE40380	Inf	3.11E-05
AT5TE40410	Inf	0.015120035
AT5TE40505	Inf	1.22E-23
AT5TE40520	Inf	7.09E-07
AT5TE40530	Inf	0.001271277
AT5TE40570	Inf	0.014617441
AT5TE40580	Inf	3.82E-10
AT5TE40835	Inf	1.19E-10

AT5TE41090	Inf	0.002387567
AT5TE41135	Inf	2.22E-06
AT5TE41185	Inf	3.30E-07
AT5TE41265	Inf	2.62E-36
AT5TE41270	Inf	1.89E-17
AT5TE41315	Inf	1.07E-14
AT5TE41320	Inf	1.73E-05
AT5TE41325	Inf	1.31E-08
AT5TE41355	Inf	8.80E-06
AT5TE41360	Inf	5.21E-05
AT5TE41395	Inf	0.010354552
AT5TE41550	Inf	0.009425748
AT5TE41600	Inf	4.18E-11
AT5TE41610	Inf	0.00023171
AT5TE41615	Inf	9.25E-17
AT5TE41780	Inf	0.015568409
AT5TE41825	Inf	0.004231014
AT5TE42030	Inf	0.007012591
AT5TE42040	Inf	5.80E-05
AT5TE42190	Inf	0.000404459
AT5TE42250	Inf	1.28E-16
AT5TE42265	Inf	2.81E-23
AT5TE42345	Inf	5.05E-17
AT5TE42680	Inf	1.56E-17
AT5TE42855	Inf	2.17E-09
AT5TE42865	Inf	8.04E-23
AT5TE42900	Inf	3.66E-33
AT5TE42915	Inf	1.25E-06
AT5TE42930	Inf	1.08E-05
AT5TE42935	Inf	0.039477127
AT5TE42985	Inf	1.41E-06
AT5TE43045	Inf	3.89E-05
AT5TE43060	Inf	1.02E-40
AT5TE43075	Inf	8.96E-32
AT5TE43190	Inf	9.44E-41
AT5TE43205	Inf	2.00E-13
AT5TE43215	Inf	1.66E-45
AT5TE43240	Inf	2.22E-30
AT5TE43255	Inf	2.11E-32
AT5TE43290	Inf	0.003106567
AT5TE43300	Inf	4.64E-05
AT5TE43310	Inf	0.007909472
AT5TE43315	Inf	5.01E-16
AT5TE43350	Inf	1.76E-14
AT5TE43365	Inf	3.43E-05
AT5TE43375	Inf	4.44E-25
AT5TE43400	Inf	1.83E-08
AT5TE43520	Inf	4.17E-09
AT5TE43575	Inf	4.84E-18

AT5TE43630	Inf	3.29E-09
AT5TE43635	Inf	2.87E-18
AT5TE43765	Inf	2.13E-07
AT5TE43785	Inf	0.014675943
AT5TE43800	Inf	7.29E-38
AT5TE43825	Inf	2.68E-31
AT5TE43905	Inf	8.34E-11
AT5TE43990	Inf	2.55E-07
AT5TE44070	Inf	9.62E-09
AT5TE44110	Inf	2.87E-06
AT5TE44205	Inf	6.18E-05
AT5TE44255	Inf	9.99E-07
AT5TE44360	Inf	0.000485039
AT5TE44370	Inf	7.00E-07
AT5TE44380	Inf	0.03529703
AT5TE44555	Inf	6.53E-05
AT5TE44745	Inf	0.005551147
AT5TE44750	Inf	4.62E-10
AT5TE44895	Inf	0.011738905
AT5TE44940	Inf	1.50E-06
AT5TE44960	Inf	1.92E-09
AT5TE45000	Inf	1.61E-13
AT5TE45020	Inf	5.23E-10
AT5TE45055	Inf	8.71E-09
AT5TE45060	Inf	5.75E-11
AT5TE45065	Inf	4.38E-10
AT5TE45080	Inf	6.99E-12
AT5TE45090	Inf	6.76E-07
AT5TE45100	Inf	0.00399627
AT5TE45115	Inf	8.18E-05
AT5TE45125	Inf	0.030770144
AT5TE45895	Inf	3.43E-15
AT5TE45905	Inf	4.13E-17
AT5TE46040	Inf	3.11E-13
AT5TE46045	Inf	3.95E-11
AT5TE46100	Inf	5.16E-12
AT5TE46120	Inf	6.48E-08
AT5TE46160	Inf	1.29E-15
AT5TE46235	Inf	1.79E-15
AT5TE46250	Inf	0.008353326
AT5TE46255	Inf	0.012445025
AT5TE46310	Inf	0.023841505
AT5TE46355	Inf	0.002893694
AT5TE46440	Inf	0.000623893
AT5TE46515	Inf	5.19E-08
AT5TE46815	Inf	0.00684887
AT5TE46850	Inf	1.13E-07
AT5TE46910	Inf	1.04E-48
AT5TE46970	Inf	0.004054371

AT5TE47115	Inf	4.46E-22
AT5TE47155	Inf	6.91E-22
AT5TE47395	Inf	2.95E-06
AT5TE47475	Inf	0.000258994
AT5TE47505	Inf	3.93E-20
AT5TE47520	Inf	2.10E-20
AT5TE47990	Inf	0.023744742
AT5TE48195	Inf	5.47E-22
AT5TE49130	Inf	9.59E-27
AT5TE49765	Inf	1.43E-06
AT5TE50115	Inf	7.10E-06
AT5TE50150	Inf	1.35E-14
AT5TE50490	Inf	0.009974774
AT5TE50960	Inf	1.01E-58
AT5TE50990	Inf	0.003502525
AT5TE50995	Inf	0.000545829
AT5TE51000	Inf	2.08E-18
AT5TE52345	Inf	3.45E-10
AT5TE52795	Inf	8.75E-08
AT5TE52845	Inf	2.76E-36
AT5TE54505	Inf	1.40E-08
AT5TE54510	Inf	1.33E-38
AT5TE54515	Inf	9.86E-22
AT5TE54520	Inf	0.005765482
AT5TE55925	Inf	1.56E-06
AT5TE56030	Inf	0.002695486
AT5TE57495	Inf	7.51E-34
AT5TE57500	Inf	0.042004891
AT5TE61740	Inf	3.98E-06
AT5TE62545	Inf	5.20E-12
AT5TE66505	Inf	9.96E-17
AT5TE66550	Inf	0.001221307
AT5TE68140	Inf	6.78E-05
AT5TE72235	Inf	0.003441198
AT5TE74320	Inf	1.00E-15
AT5TE81385	Inf	6.70E-24
AT5TE95120	Inf	5.17E-09

**Supplemental File 2.** Genes and TEs differentially expressed in *met1* vs wild type

ID	Log <sub>2</sub> fold change	Adjusted p-value
AT2TE19275	-Inf	0.001436918
AT4G32375	-Inf	0.012105398
AT5G37430	-Inf	0.00428496
AT5G42232	-Inf	0.000483552
AT5G53990	-Inf	0.030620339
AT5G58830	-Inf	0.011121878
AT2TE22815	-6.71026	1.44E-06
AT3G15950	-6.09362	5.12E-17
AT3TE49325	-5.41046	0.002111005
AT1G77880	-5.3675	4.82E-08
AT2G29860	-5.27882	0.014324301
AT1G49290	-5.18954	4.72E-13
AT2G36490	-5.09259	6.39E-26
AT5TE39035	-5.06974	0.014047497
AT5G61680	-5.05478	0.000313067
AT5G49180	-4.85218	4.96E-15
AT1G34095	-4.50257	3.34E-09
AT4G08991	-4.50177	0.025179143
AT1G77870	-4.47917	2.72E-20
AT1G23720	-4.36973	0.005065675
AT5G16100	-4.33303	0.01235231
AT2G45403	-4.30488	0.013687821
AT5G02110	-4.27283	0.000480502
AT4G33860	-4.24997	0.001780832
AT5G25430	-4.20295	0.038440102
AT4G35610	-4.07242	0.001123362
AT4G21895	-4.04726	0.031499905
AT5G35390	-4.00693	0.007801814
AT4G35700	-3.99054	0.001050474
AT1G75870	-3.97732	0.030518992
AT3G46850	-3.95327	0.031499905
AT1G80470	-3.94312	0.001016983
AT4G06701	-3.87979	4.85E-07
AT4TE30225	-3.83556	0.012342475
AT4G16892	-3.80516	3.87E-06
AT4TE10320	-3.78466	1.98E-08
AT2G13960	-3.76479	0.023999194
AT3G62230	-3.72938	0.023527442
AT2TE84980	-3.72474	5.91E-06
AT3G25810	-3.70115	1.08E-09
AT3G44920	-3.64957	0.000318108
AT1G49790	-3.63842	0.00039297
AT3G42473	-3.63339	0.000232233
AT4G05310	-3.62238	6.06E-05
AT5G12960	-3.46998	0.000530285
AT4G00380	-3.39068	1.19E-09

AT5G48140	-3.36807	0.003188366
AT5TE37200	-3.33305	0.0232456
AT1G47840	-3.32259	7.59E-06
AT2G35250	-3.28042	0.042683389
AT2G15128	-3.25495	0.000205274
AT4TE42860	-3.2437	1.04E-05
AT5G20390	-3.24331	0.042225782
AT1G23940	-3.24	9.39E-10
AT5G45150	-3.20471	2.14E-07
AT1G02952	-3.17387	4.33E-05
AT3G52000	-3.15195	0.041549935
AT5G49070	-3.1314	4.45E-13
AT1G01980	-3.11285	0.009454629
AT1G15850	-3.07469	0.007208104
AT3G47410	-3.05467	6.74E-05
AT1G23935	-3.03305	0.001173009
AT3G09260	-3.02898	0.002529425
AT4TE21095	-2.98765	0.025627286
AT2G27315	-2.97114	0.001351196
AT4G03610	-2.96805	0.024519774
AT4TE42950	-2.9433	1.02E-08
AT4G10060	-2.93752	3.93E-10
AT1G60410	-2.91161	0.003635371
AT3G44250	-2.8949	4.35E-07
AT4G13495	-2.88861	1.02E-05
AT4G35280	-2.85702	0.004964256
AT3TE45620	-2.85625	0.001972536
AT1G52000	-2.81365	1.43E-08
AT2G17430	-2.8133	0.000784168
AT4G10265	-2.80495	0.001373752
AT4G30590	-2.786	0.000618219
AT1G16410	-2.77534	0.037114782
AT1G08140	-2.75592	0.03203689
AT3G21310	-2.73886	7.51E-10
AT3G28810	-2.73665	0.022121825
AT1G26795	-2.69021	0.033915464
AT5G53810	-2.65875	0.001721841
AT3G46490	-2.6051	0.008971937
AT3G50310	-2.60122	0.00034485
AT2G27145	-2.59098	0.010490432
AT5G37420	-2.55495	1.14E-06
AT3TE65375	-2.53972	1.86E-05
AT2G14378	-2.53304	0.018983483
AT2G12170	-2.52774	8.17E-06
AT3G19710	-2.52459	0.019999841
AT4G15100	-2.51311	0.006286231
AT5G42170	-2.50443	0.016156565
AT3G55870	-2.47675	0.001449543
AT5G23010	-2.46763	4.67E-11

AT3G16460	-2.46724	4.68E-07
AT5TE48460	-2.42015	0.031040782
AT5TE61030	-2.41221	0.010976417
AT3G20940	-2.3646	0.000208987
AT3G52535	-2.35014	4.65E-05
AT4G13985	-2.33205	0.024034425
AT3G03190	-2.31812	0.00195638
AT2G20070	-2.30087	0.039663854
AT5G52975	-2.2757	0.011111917
AT4G36490	-2.26159	0.042993795
AT4G13190	-2.25601	0.003018647
AT4G03935	-2.21549	7.19E-05
AT5G12380	-2.21507	0.044508723
AT1G48953	-2.21253	0.015700798
AT3G59960	-2.18232	0.019527874
AT4G37860	-2.15579	0.030864939
AT5G23160	-2.14794	0.04457351
AT1G78990	-2.14486	0.041376919
AT5G60010	-2.14252	0.012342475
AT5G18910	-2.14107	0.033940235
AT5G24316	-2.13523	0.01202954
AT2G17845	-2.13077	0.024320958
AT3G45060	-2.11982	0.00195638
AT5G08240	-2.11349	0.001201168
AT3G62670	-2.11318	0.043931617
AT5G49850	-2.10007	0.000703684
AT5G03552	-2.09818	0.047169746
AT4G32170	-2.09387	0.003493977
AT3G10470	-2.07277	0.025586911
AT5G47000	-2.0685	0.023466274
AT3G26520	-2.06394	6.73E-05
AT2G03110	-2.06378	0.001832443
AT1G73177	-2.06297	5.73E-06
AT4G36470	-2.06135	0.000281865
AT5G03668	-2.02908	0.018616669
AT2G25150	-2.02191	0.005521375
AT4G29880	-2.01206	0.013887909
AT2G40990	-1.99432	0.047382418
AT5G16500	-1.9875	0.041841366
AT1G47760	-1.98455	0.016734112
AT1G18140	-1.96082	5.97E-07
AT2G24210	-1.93809	0.045407043
AT4G14570	-1.93517	1.31E-06
AT3G17150	-1.91306	0.009087308
AT4G01930	-1.90716	0.005113971
AT1G34460	-1.89604	0.004467528
AT3G42640	-1.8843	0.006982956
AT2G26490	-1.88054	0.047146969
AT5G13370	-1.87174	0.001714361



AT3G54830	-1.84457	0.000890732
AT5G42280	-1.84453	1.97E-06
AT4G09190	-1.82784	0.047830705
AT5G55490	-1.82691	0.039199636
AT5G38140	-1.8045	0.001368334
AT3G50390	-1.78192	0.010752935
AT3G24620	-1.76423	0.046927371
AT3G32940	-1.72745	1.53E-06
AT1G64235	-1.72091	0.043644863
AT5G27600	-1.70767	1.22E-05
AT3G05820	-1.70699	0.038413409
AT3G16320	-1.69884	0.000217144
AT5G64510	-1.69267	0.025702478
AT3G12660	-1.68751	0.038864561
AT1G76830	-1.68441	0.046073068
AT5G45730	-1.67523	0.002529425
AT1G58370	-1.66372	1.86E-05
AT2G36500	-1.64238	0.000804988
AT4G27570	-1.63864	2.35E-05
AT4G15650	-1.63807	0.02774962
AT1G74830	-1.63435	0.038805401
AT5G38710	-1.62876	3.93E-05
AT5G47140	-1.62492	0.001623697
AT5G37060	-1.62257	0.044927779
AT3G03855	-1.5986	0.042610695
AT5G07170	-1.5979	0.037671819
AT1G26310	-1.59626	0.00016758
AT3G54770	-1.59399	0.044927779
AT2G18130	-1.58062	8.75E-06
AT3G47580	-1.57934	0.008786511
AT2G29710	-1.57268	0.003203364
AT1G78995	-1.5669	0.041421356
AT3G30180	-1.56141	0.000121844
AT5G51105	-1.55907	0.01549064
AT2G42170	-1.54963	0.002111155
AT2G17036	-1.54517	0.013980884
AT4G15233	-1.52917	0.001226997
AT2G15400	-1.521	0.000737876
AT5G07860	-1.51479	0.000419687
AT5G38150	-1.508	0.035372211
AT5G35450	-1.50205	0.003590274
AT3G28200	-1.50107	0.029685349
AT5G19610	-1.5002	0.041313725
AT3G28820	-1.48192	0.048089315
AT1G67550	-1.48187	0.000552847
AT3G25050	-1.4792	4.78E-05
AT5G60142	-1.46431	0.003744231
AT3G23880	-1.46277	0.009686821
AT1G62770	-1.46231	0.004552036

AT1G04890	-1.4617	0.008004375
AT4G13700	-1.45962	0.004098155
AT2G31830	-1.44984	0.000125138
AT2G14520	-1.44496	0.002131512
AT2G04110	-1.44418	0.002963317
AT1G57620	-1.44037	0.000356099
AT1G72890	-1.43358	0.026672206
AT3G54600	-1.43317	0.000567214
AT3G23480	-1.42986	0.008474451
AT3G47800	-1.42279	0.025586911
AT2TE12510	-1.41166	0.000114747
AT3G59830	-1.40916	0.040831268
AT2G41470	-1.39303	0.003593901
AT1TE57805	-1.39185	0.00221511
AT5G39865	-1.38969	0.025005059
AT3G28950	-1.38758	0.018081226
AT2G21720	-1.38574	0.005784922
AT5G27490	-1.3845	0.000696827
AT2TE34410	-1.38146	0.043246299
AT3G57140	-1.37653	0.038094537
AT2G40180	-1.37207	0.039403921
AT1G48490	-1.3717	0.000609764
AT4G01920	-1.36818	0.034191492
AT1G53330	-1.3665	0.04321397
AT5G49900	-1.35804	0.000238224
AT1G26945	-1.34726	0.00235029
AT5G51790	-1.34117	0.020412865
AT1G03550	-1.33793	0.002080804
AT5G17165	-1.33559	0.012168438
AT3G22750	-1.32665	0.044582419
AT2TE12605	-1.32607	0.039590523
AT2G24190	-1.3227	0.026354811
AT3G42670	-1.31911	0.037000201
AT3G07610	-1.30953	0.003072595
AT1G18750	-1.30794	0.002972116
AT3G24360	-1.30744	0.001548291
AT5G34930	-1.306	0.007180065
AT5G13670	-1.30518	0.001417502
AT1G75910	-1.29376	0.001639058
AT2G34620	-1.29254	0.002384746
AT4G15730	-1.29122	0.007537111
AT3G03800	-1.28243	0.003022127
AT5G38120	-1.26831	0.00533333
AT5G04360	-1.26285	0.032556404
AT5G39350	-1.2593	0.011595276
AT5G57130	-1.2535	0.048723714
AT5G43403	-1.24562	0.019886581
AT4G08510	-1.24518	0.041841366
AT4G36540	-1.2409	0.001715359

AT5G24770	-1.24035	0.029695223
AT5G51810	-1.2344	0.008540492
AT3G21770	-1.22072	0.03317309
AT2G22960	-1.21296	0.016734112
AT1G15210	-1.212	0.043016671
AT5G52340	-1.20429	0.008470993
AT2G32510	-1.19689	0.00808843
AT5G49680	-1.19068	0.000722757
AT1G54280	-1.18795	0.036958286
AT5G12100	-1.1876	0.008333653
AT3TE61420	-1.18718	0.024333477
AT3G43600	-1.1838	0.031829783
AT5G26210	-1.18203	0.006004184
AT3G02310	-1.1805	0.001488091
AT5G46540	-1.16349	0.047322616
AT2G36890	-1.16194	0.004611082
AT2G10931	-1.15613	0.030759496
AT5G14150	-1.15591	0.017284111
AT5G01180	-1.1525	0.014186699
AT2G41210	-1.14525	0.006972055
AT2G03710	-1.1391	0.020172249
AT2G18420	-1.13117	0.007235896
AT1G38131	-1.131	0.038983933
AT1G43245	-1.11353	0.019121884
AT2G40030	-1.10798	0.02085809
AT2G12400	-1.09611	0.006295331
AT3G54700	-1.0928	0.031987751
AT5G17340	-1.08904	0.037271648
AT4G32500	-1.08345	0.010982406
AT5G50950	-1.0682	0.022447916
AT5G15960	-1.06763	0.017314502
AT2G29340	-1.06738	0.038414808
AT1G49500	-1.06443	0.020435802
AT3G47660	-1.06353	0.047529378
AT4G32460	-1.06111	0.02019418
AT1G77680	-1.05067	0.041014182
AT2G39850	-1.04332	0.020896264
AT1G54450	-1.03414	0.005014708
AT2G23170	-1.02833	0.013687821
AT1G74740	-1.02663	0.036632223
AT1G59640	-1.02406	0.010449205
AT2G40610	-1.01307	0.04993649
AT5G45720	-1.01046	0.043478505
AT2G19500	-0.99933	0.021040988
AT1G75940	-0.9793	0.049159114
AT2G03850	-0.95773	0.049567767
AT2G27880	-0.95761	0.029087069
AT2G45290	-0.92375	0.01978365
AT5G39760	-0.92316	0.035284566

AT1G75930	-0.9156	0.041896112
AT5G21150	-0.90705	0.029645343
AT4G17260	-0.90435	0.025083623
AT1G23240	-0.89157	0.025179143
AT4G33355	-0.88774	0.036248934
AT3G27870	0.88924	0.038934644
AT1G45191	0.91171	0.043367889
AT5G58110	0.9357	0.038644817
AT1G02850	0.95565	0.045616831
AT1G66880	0.96521	0.045754484
AT3G09910	0.99106	0.0239003
AT3G18280	1.02772	0.032510013
AT3G56080	1.02888	0.026101358
AT5G02290	1.03054	0.036826545
AT2G26170	1.03748	0.031594688
AT3G05400	1.03852	0.040378353
AT3G51440	1.05322	0.024696546
AT5G16570	1.0574	0.041389345
AT5G43500	1.0599	0.011549175
AT4G35900	1.06738	0.006987592
AT3G03170	1.07305	0.041667107
AT3G53470	1.0934	0.010174783
AT1G76100	1.09664	0.009940708
AT1G03710	1.10975	0.02657344
AT2G44290	1.12531	0.009391672
AT2G33590	1.1422	0.039552073
AT1G70250	1.14269	0.02130689
AT1G54160	1.14313	0.011111917
AT3G26450	1.15468	0.008121204
AT3G23110	1.1614	0.026419515
AT1G14520	1.17303	0.035645475
AT3TE63065	1.17783	0.005292722
AT1G56170	1.17961	0.014089603
AT4G22305	1.18079	0.032902638
AT1G07590	1.18123	0.005738325
AT2G31880	1.22864	0.001938612
AT1G33440	1.23229	0.018715213
AT1G04425	1.24681	0.005527916
AT3G25780	1.25064	0.04327813
AT1G72130	1.25544	0.005570181
AT3G53280	1.26001	0.013054488
AT2G46430	1.26502	0.015321304
AT5G16200	1.27325	0.01538602
AT3G10720	1.27502	0.001891504
AT4G14548	1.28969	0.030956398
AT4G37780	1.29042	0.042849483
AT1G76930	1.29848	0.031166494
AT3G20460	1.30695	0.004978574
AT2G40435	1.31014	0.008341316

AT3G56200	1.31738	0.0381173
AT5G13200	1.31831	0.028363959
AT3G26742	1.3245	0.006950698
AT2G39690	1.32775	0.022489288
AT3G22880	1.33875	0.00053185
AT4G23180	1.34388	0.003072117
AT5G44570	1.3531	0.01839782
AT3G58850	1.35937	0.038594588
AT2G25625	1.36585	0.01220265
AT2G41010	1.36737	0.014549117
AT1G35530	1.36937	0.000315589
AT5G57340	1.37255	0.008765732
AT3G59080	1.37956	0.035580238
AT1G67860	1.3967	0.004491722
AT5G10695	1.40642	0.046823823
AT2G21850	1.4066	0.003411814
AT1G17830	1.40933	0.027708873
AT3TE91745	1.41411	0.040764088
AT2G41090	1.41822	0.011873276
AT1G69310	1.41989	0.035604364
AT3G05690	1.42658	0.018035228
AT1G62540	1.42765	0.001381049
AT1G13600	1.43024	0.022780317
AT4G18740	1.45668	0.006279719
AT3G01600	1.48337	0.014248634
AT5G13190	1.48894	0.045736768
AT4G13820	1.51427	0.046955368
AT4G22690	1.52752	7.13E-05
AT1G32690	1.52954	0.002551926
AT5TE37815	1.53589	4.27E-05
AT1G35230	1.55081	0.011323719
AT4G35640	1.55368	0.039668081
AT1G29660	1.56387	0.031095434
AT3G54420	1.56453	0.04321397
AT4G13180	1.56731	0.005956834
AT1G23130	1.57669	0.027023233
AT2G18150	1.57769	0.002010638
AT5G25930	1.58503	0.030144681
AT2G20570	1.59284	0.032943806
AT5G60610	1.59712	0.001359199
AT2G43620	1.60221	0.018146916
AT3G10120	1.60983	0.038828775
AT5G24530	1.60988	0.002048406
AT4G30460	1.62629	0.004509477
AT4G33930	1.62691	0.011226697
AT1G14580	1.62709	7.77E-06
AT3G14020	1.63695	0.000784168
AT2G41120	1.64139	0.016105032
AT3G28890	1.65129	0.047390657

AT4G04490	1.66227	0.019974371
AT5G59780	1.67859	0.000402413
AT4G36500	1.68273	0.03840205
AT1G01560	1.68417	0.043478505
AT1G09500	1.68838	0.022555455
AT1G11785	1.69192	0.037219461
AT3G27400	1.69351	0.009940708
AT5G38000	1.69441	0.00339126
AT3G22600	1.69536	0.002356475
AT2G27240	1.70483	0.018616669
AT5G01540	1.7126	0.004611082
AT3G57540	1.71613	0.03006897
AT2G01960	1.71643	0.023123784
AT2TE07550	1.71907	0.001369247
AT3G47510	1.7238	0.002349347
AT1G53490	1.73207	5.68E-06
AT2G44080	1.73305	0.001664093
AT5G42830	1.74479	0.001447757
AT4G19030	1.75723	0.010071683
AT3G51920	1.75895	0.004843732
AT1G16730	1.78195	0.047985414
AT3G59060	1.7921	8.30E-05
AT4G38880	1.79275	0.034191492
AT5TE50260	1.79305	0.003184293
AT2TE10620	1.79591	0.001123362
AT5G25470	1.7992	5.98E-05
AT4G33050	1.80169	0.020881954
AT5G13330	1.80822	0.014032907
AT4G01700	1.81635	0.000114
AT1G21520	1.81791	0.000123081
AT3G22370	1.8181	8.73E-07
AT4G10920	1.82579	7.87E-07
AT4G20820	1.83875	0.015286012
AT2G34280	1.84722	0.032085318
AT1G14370	1.8576	0.014393672
AT4G20970	1.87264	0.018657991
AT1G71390	1.87624	0.006790242
AT5TE18210	1.88817	0.002134569
AT1G14870	1.90442	6.87E-05
AT5TE36470	1.9096	0.008159226
AT5G34780	1.91272	5.28E-05
AT1G65845	1.92001	0.00632512
AT4G30290	1.92888	0.022989565
AT1G72060	1.94608	8.40E-05
AT5G44580	1.97605	0.009879507
AT4G16540	1.97912	0.001693586
AT5G38386	1.98298	0.019491494
AT1G48000	1.98319	0.010174783
AT1G56710	1.98491	0.018779416

AT3G61198	1.99327	0.00751236
AT1TE42205	1.99618	0.004712229
AT1G80820	2.00223	3.07E-05
AT4TE13150	2.00532	0.00473197
AT3G14210	2.02273	0.000901621
AT4G00975	2.04053	0.01102519
AT2G22470	2.04762	0.007549896
AT5G48540	2.05073	0.01978803
AT1G76960	2.05075	0.006100054
AT3G26280	2.06698	0.000230611
AT5G07760	2.07703	0.002603746
AT5G43150	2.08277	0.004083568
AT5G14565	2.08411	0.039946814
AT3G09790	2.08482	0.017041017
AT3G46900	2.08592	0.025179143
AT3G43470	2.09634	0.011985387
AT5G18270	2.10681	8.50E-05
AT5G51440	2.12612	6.29E-06
AT1G51800	2.13471	0.000488591
AT3G22620	2.13745	0.0095454
AT2G05642	2.14763	7.50E-05
AT3G21710	2.1634	0.03392643
AT3G27940	2.185	0.000154731
AT3G26480	2.18978	6.61E-09
AT5TE49725	2.19124	1.97E-05
AT2G42180	2.1918	8.17E-05
AT2G15042	2.1931	6.18E-06
AT1G06830	2.19717	0.001730634
AT1G67980	2.23079	0.008470993
AT3G59190	2.23227	3.67E-07
AT1G19420	2.2337	0.015493687
AT1G56540	2.23628	0.000568071
AT5G57010	2.23832	0.001557324
AT1G49640	2.24197	0.041747825
AT5G59310	2.25069	0.030518992
AT2G35300	2.25847	0.000485844
AT5TE39630	2.25937	7.86E-07
AT4G38540	2.26117	0.007534687
AT1G66780	2.2622	0.017850065
AT2G32487	2.27645	0.026371352
AT3G28210	2.28136	0.009140887
AT2TE34910	2.2824	0.016609865
AT3G08860	2.28241	2.97E-08
AT1TE78470	2.3025	9.39E-06
AT2G32210	2.31525	0.016127523
AT3G26460	2.32837	0.033176708
AT2G44460	2.33132	0.017859396
AT3G04210	2.33757	0.006924652
AT1G32225	2.34437	0.012078124

AT4TE04415	2.34573	9.06E-10
AT5TE33235	2.39384	0.004964256
AT3G52400	2.44573	1.03E-05
AT3G50480	2.46449	0.001552346
AT1G21130	2.46982	0.000888362
AT3G01960	2.48803	0.044616341
AT2G43510	2.48888	0.004281269
AT4G04830	2.49331	2.75E-10
AT2G34655	2.52197	1.53E-12
AT4G39830	2.52296	1.14E-05
AT4TE27915	2.53237	0.002324576
AT4G18250	2.54056	2.10E-05
AT1G52690	2.55067	7.77E-09
AT1G76952	2.55519	0.000169953
AT1G75040	2.57145	9.35E-08
AT2G15790	2.57652	5.67E-13
AT4G14365	2.5841	0.014863628
AT5G02330	2.58565	1.07E-08
AT1TE53710	2.58992	0.013997105
AT1TE53070	2.59129	0.004503824
AT4G20690	2.60592	0.016692912
AT5G19230	2.6168	6.83E-06
AT1G45201	2.64451	2.33E-08
AT1G73120	2.66286	0.046021794
AT2TE09500	2.67864	0.00668872
AT1TE34315	2.67998	0.036170851
AT5G19240	2.68557	0.008721999
AT1G61800	2.71994	0.009828082
AT4TE06710	2.72623	1.43E-12
AT4G31800	2.73562	0.036389632
AT3G17690	2.73986	2.62E-08
AT1G03810	2.74178	5.16E-06
AT2G16050	2.74306	0.001774024
AT3TE57780	2.76746	3.22E-13
AT4G23220	2.77597	1.81E-08
AT4G26350	2.77781	2.12E-05
AT1G35710	2.7836	0.024761511
AT3TE48540	2.79998	0.000221739
AT1G12180	2.80367	0.026393332
AT3G26470	2.80409	1.02E-05
AT4TE18270	2.82699	0.047790459
AT2G05995	2.83637	2.96E-07
AT3G50770	2.84155	9.42E-09
AT1G65510	2.88991	0.000432107
AT2TE25020	2.92565	8.55E-06
AT4G23230	2.92999	0.000246733
AT4G11000	2.95251	0.034871089
AT2TE10590	2.96478	0.018257459
AT1TE22850	2.99689	2.37E-16



AT1G19020	3.00427	0.002328263
AT1TE54805	3.00745	1.43E-07
AT1TE58825	3.01724	6.44E-05
AT3G60920	3.02017	9.98E-09
AT3G18485	3.02449	0.012051592
AT4TE19470	3.05037	7.48E-08
AT3G08870	3.07249	0.026565027
AT2TE07145	3.08089	1.39E-14
AT1G16130	3.0847	0.011568328
AT3G25730	3.09246	0.003682311
AT4G39770	3.10158	0.016170961
AT3G29644	3.119	2.02E-14
AT5G66780	3.1213	0.000500161
AT3TE76225	3.12771	3.05E-13
AT4G10695	3.12977	0.000759783
AT1TE51775	3.13235	0.000239908
AT5TE39170	3.13819	0.001275204
AT5G09530	3.16735	1.03E-06
AT4G38080	3.17249	0.003637788
AT4TE08240	3.19313	6.73E-05
AT5G36925	3.20502	0.038214709
AT2TE78320	3.20644	3.38E-06
AT3G46280	3.22849	0.022447916
AT2G18690	3.22882	1.90E-06
AT1G77950	3.2545	0.004712229
AT5G39520	3.28259	0.039773361
AT1TE36060	3.29632	0.016237747
AT5TE39640	3.30097	0.005244538
AT3TE48545	3.30877	1.80E-07
AT2G47520	3.30925	8.74E-07
AT1TE44230	3.3333	7.77E-05
AT5G23220	3.33358	0.000154713
AT2TE10595	3.35139	7.57E-07
AT5G38310	3.36211	0.003144149
AT1TE22855	3.36821	0.000819059
AT5TE37800	3.39282	0.015780742
AT3G53980	3.41723	3.88E-06
AT2TE82000	3.42272	5.17E-11
AT5G38005	3.42434	3.22E-17
AT5TE40945	3.42836	0.009042151
AT3G30122	3.44567	4.71E-10
AT3G48520	3.47438	0.002642763
AT4TE08780	3.47523	0.005349646
AT3TE02240	3.47797	3.05E-20
AT2G41640	3.5008	1.93E-11
AT4G04223	3.50182	1.65E-13
AT3G26210	3.50218	0.00255861
AT3TE58875	3.5084	2.48E-10
AT5G52750	3.5106	0.00505174

AT1G35140	3.53648	0.023584486
AT5G54710	3.53751	0.006097969
AT2G45570	3.55383	0.002564544
AT5G54720	3.55397	0.019527874
AT1TE45560	3.56263	0.009444464
AT3TE64120	3.57019	0.000740989
AT2G23680	3.57434	2.30E-05
AT1G61920	3.57872	2.60E-08
AT3G29639	3.59433	2.76E-07
AT5TE56690	3.60043	2.21E-06
AT5G59630	3.6114	2.22E-10
AT2G20142	3.62085	0.001550145
AT2TE16335	3.62924	0.002421948
AT1G09932	3.63716	0.034591011
AT2G41100	3.64675	0.000744382
AT2G19893	3.64941	3.24E-05
AT4G28800	3.66627	1.40E-05
AT1TE46835	3.68231	4.10E-13
AT4G25100	3.68845	0.039590523
AT1G68510	3.69381	0.000740989
AT5G35338	3.69613	1.94E-07
AT3TE67950	3.71027	0.009183297
AT3TE53320	3.72234	0.032050236
AT1TE46385	3.7251	0.000367019
AT4G26200	3.79393	0.001759665
AT4G17914	3.79942	1.08E-08
AT1G66830	3.80018	0.02775389
AT2TE20835	3.80931	0.00110926
AT3G44070	3.8305	2.67E-25
AT2G01280	3.84646	0.005053716
AT1TE47695	3.86051	0.014114354
AT1TE81210	3.87154	0.022689717
AT2G37870	3.89195	0.000177311
AT3G60950	3.89817	0.003144875
AT2G10440	3.90482	5.99E-12
AT1TE83175	3.91682	0.026185746
AT1G55390	3.92168	0.047294132
AT2G04120	3.96164	1.37E-08
AT2TE27540	3.97761	0.006549857
AT5TE86410	3.97918	2.46E-10
AT5TE47750	4.00121	4.15E-19
AT2G16310	4.00322	3.82E-14
AT1TE20315	4.00843	0.001024985
AT4G22470	4.01622	7.52E-05
AT4G03811	4.02698	2.15E-08
AT2TE18840	4.03902	0.000162614
AT5TE86350	4.05155	0.000364863
AT1G36920	4.07602	7.56E-20
AT4G30280	4.10191	0.007476088

AT5G35490	4.1094	4.12E-11
AT1G36922	4.14471	1.24E-16
AT1G60110	4.18062	3.25E-05
AT1TE55920	4.19497	1.54E-20
AT4TE18360	4.20556	0.008589312
AT3TE52695	4.22423	0.007003477
AT4TE36845	4.22561	4.48E-08
AT1G77960	4.22653	9.83E-09
AT5TE50380	4.26698	4.89E-25
AT4G03156	4.28384	0.006918697
AT2TE00115	4.29967	1.42E-08
AT4TE21900	4.33058	5.59E-06
AT2TE37435	4.33127	5.28E-11
AT2G03821	4.34021	0.018974715
AT2G11522	4.34377	7.76E-10
AT5G39580	4.34658	0.029988105
AT3TE48535	4.38172	9.09E-06
AT3G48650	4.38513	0.013786852
AT1G28370	4.38971	0.001714361
AT2TE41175	4.396	6.90E-17
AT4TE54750	4.40525	1.77E-05
AT1TE86360	4.43344	8.49E-12
AT4TE17360	4.44709	3.71E-09
AT2G35670	4.451	1.06E-19
AT5G33436	4.47761	0.025038493
AT1G36675	4.49508	4.32E-13
AT3TE18040	4.49923	5.66E-18
AT3TE21700	4.50483	2.80E-19
AT2TE11860	4.5317	1.02E-05
AT4G33550	4.54991	0.003014489
AT3G60176	4.58541	4.34E-19
AT1G54420	4.58846	3.60E-15
AT3TE49700	4.58893	0.00391929
AT4G36430	4.61701	0.00023977
AT4G13660	4.62713	0.012363478
AT2G18880	4.63166	2.52E-14
AT5G12030	4.63898	0.010912349
AT5G38030	4.65604	4.03E-10
AT4G23610	4.65911	0.041896112
AT5TE29680	4.67259	0.000216025
AT3G33528	4.67895	8.50E-23
AT4TE32185	4.67901	1.01E-07
AT2TE18965	4.6905	9.10E-15
AT2G11626	4.69377	0.017712178
AT3G04220	4.69548	0.000249136
AT3TE65525	4.71046	3.98E-06
AT1G24145	4.71617	0.028667518
AT5G28660	4.7187	4.78E-05
AT2G14840	4.72024	1.77E-05

AT5G43066	4.72634	0.002073368
AT2TE21220	4.73974	1.04E-15
AT4G26730	4.753	1.16E-05
AT2TE20915	4.76169	7.60E-08
AT3TE63180	4.76917	0.004334083
AT2TE08225	4.77552	9.30E-24
AT5TE39955	4.78709	0.017968814
AT4G13680	4.81903	0.004062602
AT3TE51505	4.82081	3.55E-06
AT2TE18000	4.87145	0.004517593
AT1G66790	4.87283	3.04E-07
AT1TE51850	4.88261	0.00285576
AT2G01422	4.88861	3.99E-09
AT5TE48825	4.89701	0.024507527
AT4G25200	4.91502	0.001733594
AT1G50350	4.9172	7.65E-15
AT2TE08300	4.92213	0.046382009
AT5G37940	4.94801	0.003418153
AT4TE20075	4.97048	1.32E-11
AT3G12910	4.97139	0.04238087
AT2TE20920	4.97453	3.97E-06
AT2G16340	4.97503	0.021336633
AT1G36020	4.97686	3.03E-18
AT1TE52620	4.97867	0.008179024
AT2TE18015	4.9788	0.014967935
AT3TE47360	4.99129	6.07E-25
AT3G01830	4.99502	0.009500409
AT3TE52705	4.99951	0.03478335
AT3TE50685	5.00818	0.01685565
AT1TE35870	5.01676	1.37E-05
AT5TE44190	5.02148	4.06E-07
AT2TE13750	5.05237	2.43E-12
AT3TE47740	5.05259	3.52E-14
AT1TE53735	5.06666	5.05E-09
AT3TE58050	5.06942	0.017968814
AT1TE45960	5.0764	0.008340632
AT2G16960	5.0852	4.90E-11
AT1G49680	5.08664	0.000121292
AT2TE27670	5.09064	2.16E-06
AT4G08260	5.12089	5.49E-24
AT1TE53915	5.12177	0.035307391
AT4TE15950	5.12654	0.023371621
AT3TE50375	5.12911	0.000140289
AT2TE41170	5.13116	1.09E-19
AT4G14370	5.13206	0.046795289
AT1TE54100	5.14115	6.38E-27
AT5TE47400	5.17033	0.000299074
AT3TE60310	5.18783	3.83E-38
AT3G28923	5.18871	1.66E-14

AT2G13547	5.2002	1.44E-20
AT2TE23425	5.20218	1.96E-14
AT2TE28955	5.21307	1.25E-13
AT5TE23285	5.21365	1.36E-11
AT4G28870	5.21981	6.64E-09
AT5G33390	5.26387	0.014571497
AT4TE20545	5.29048	3.74E-07
AT1TE46220	5.29454	3.55E-10
AT3G45910	5.32735	5.36E-07
AT2TE12425	5.33015	0.000609068
AT2TE11410	5.33094	3.79E-09
AT4TE22570	5.33325	0.004388311
AT3TE51270	5.3402	0.002292734
AT2G15120	5.34368	0.007013931
AT2TE54360	5.34506	0.000902415
AT3TE63400	5.34836	1.05E-11
AT2G14405	5.36509	5.11E-05
AT3G48130	5.39875	9.71E-06
AT3TE52975	5.42822	1.29E-13
AT2TE09650	5.43686	0.000141594
AT5TE53035	5.45085	1.51E-09
AT2TE28020	5.47213	2.82E-35
AT2TE37330	5.48176	3.80E-06
AT2G10990	5.48705	0.013644597
AT4TE08355	5.48825	0.002759117
AT2TE01560	5.49231	2.16E-19
AT4G10500	5.50092	0.019511443
AT5TE93055	5.51451	5.97E-05
AT2G36710	5.52228	0.006034289
AT5TE38900	5.54126	1.89E-06
AT4TE19675	5.54484	6.50E-07
AT4TE29830	5.55274	6.93E-13
AT1G53480	5.56058	1.90E-37
AT3G32377	5.56149	2.77E-31
AT3TE54330	5.56758	6.19E-10
AT4TE21910	5.59849	4.09E-07
AT2G11405	5.62373	1.43E-06
AT3TE44695	5.64478	0.002356475
AT1G24380	5.65919	6.51E-07
AT5TE40110	5.66542	0.000513931
AT2TE24245	5.67629	8.70E-08
AT3TE63405	5.69065	1.41E-13
AT2TE17695	5.69969	3.61E-06
AT5G10680	5.7036	0.002400687
AT2G07640	5.71818	4.55E-13
AT3G43833	5.72008	5.40E-44
AT5TE47755	5.73427	1.64E-25
AT5TE39195	5.74611	0.000528175
AT3TE48070	5.74932	2.32E-22

AT5G55150	5.75298	0.001362608
AT5G05340	5.75337	1.94E-08
AT1G33840	5.75703	0.006811521
AT3TE37570	5.76503	1.79E-15
AT5TE37060	5.76749	3.10E-15
AT1TE41035	5.77768	7.77E-09
AT3TE92345	5.81279	0.000251849
AT4TE21055	5.81572	1.48E-48
AT1TE51945	5.83458	1.14E-15
AT1G37000	5.83744	6.68E-21
AT5G35760	5.8408	1.18E-33
AT5G01380	5.85132	0.003178545
AT1TE45510	5.86328	7.49E-15
AT5G32569	5.8922	1.75E-06
AT1TE42370	5.89345	0.000686297
AT2TE10570	5.89744	6.85E-30
AT5TE43070	5.90973	4.38E-21
AT3TE46565	5.91532	0.00027502
AT3TE45330	5.9182	3.61E-10
AT4TE15670	5.93862	4.08E-43
AT2TE22315	5.95111	0.00014241
AT3TE60160	5.97308	3.60E-19
AT5TE47205	5.98398	1.87E-20
AT3TE63935	5.99085	3.97E-48
AT2G05752	5.99156	2.18E-05
AT2TE22345	6.00242	3.00E-09
AT5TE46150	6.01253	8.28E-05
AT2G05050	6.019	3.99E-17
AT1TE47605	6.02775	3.97E-20
AT4TE28010	6.05594	8.38E-06
AT3TE44955	6.07217	1.50E-20
AT4TE17500	6.08124	7.81E-15
AT3G28899	6.0998	3.27E-12
AT2TE10385	6.10338	3.09E-14
AT3G30720	6.10956	2.53E-34
AT5TE38020	6.11341	2.03E-28
AT3TE47555	6.15207	2.14E-38
AT1G34440	6.1717	1.76E-05
AT3G30770	6.1896	8.20E-31
AT1TE51555	6.19431	1.53E-05
AT1TE51155	6.21748	5.42E-13
AT3TE45980	6.22287	4.59E-07
AT1G65500	6.23524	6.06E-08
AT5G19470	6.25095	0.033934534
AT5G15690	6.25768	3.32E-34
AT1TE54655	6.26795	2.64E-30
AT3G61280	6.27458	0.004335148
AT1G26558	6.27477	1.32E-37
AT3TE57315	6.28329	4.35E-12

AT3TE66175	6.28531	1.33E-06
AT5G41830	6.28927	9.95E-23
AT3TE57785	6.2909	2.07E-24
AT2TE28555	6.29469	1.15E-37
AT4TE13315	6.30186	8.91E-06
AT3TE61645	6.32375	1.86E-05
AT2TE22170	6.34279	1.62E-06
AT2TE13760	6.36247	4.17E-06
AT3TE83700	6.36811	1.86E-14
AT5TE46820	6.38134	9.84E-08
AT2G11851	6.38525	1.69E-41
AT3TE53860	6.38854	4.59E-16
AT5TE39245	6.39425	1.84E-12
AT2G15555	6.39896	4.89E-18
AT2TE27505	6.40827	9.91E-26
AT1G66100	6.41069	0.003600217
AT2TE28280	6.41167	1.34E-24
AT2TE22180	6.41539	1.89E-07
AT3TE67635	6.42839	2.49E-29
AT2TE09720	6.43401	6.82E-07
AT4TE15565	6.43983	1.08E-07
AT3TE67325	6.44751	3.87E-36
AT4TE09845	6.4613	2.42E-28
AT3TE57715	6.48384	1.89E-07
AT5TE45005	6.48499	1.09E-21
AT2TE11985	6.5084	6.63E-16
AT5TE34980	6.52267	4.07E-49
AT1G27990	6.5239	5.86E-07
AT3G27473	6.52919	1.75E-41
AT4TE16900	6.53474	1.90E-06
AT5TE41775	6.56506	3.39E-11
AT1TE46325	6.56557	3.16E-09
AT2TE10575	6.56717	1.79E-28
AT1TE44720	6.6068	1.67E-08
AT5TE39590	6.62755	1.34E-18
AT3TE59500	6.62916	1.08E-06
AT3TE59340	6.63642	9.97E-09
AT4TE24910	6.66247	4.59E-16
AT2TE18240	6.67022	3.70E-31
AT1TE27905	6.69133	6.77E-05
AT4TE16945	6.69251	5.88E-18
AT2G13760	6.70014	2.31E-05
AT2TE15900	6.70067	8.37E-18
AT3TE59660	6.70846	1.26E-51
AT2G05914	6.71859	5.66E-62
AT5TE41415	6.72745	7.77E-34
AT4TE09310	6.73723	2.85E-11
AT5TE58750	6.73758	3.18E-08
AT1G62580	6.75658	9.57E-14

AT5TE47215	6.77029	0.006076847
AT1TE52000	6.82857	2.15E-12
AT3TE54450	6.83004	1.61E-09
AT5TE46860	6.86644	6.88E-21
AT5G39770	6.87275	1.58E-28
AT4G08093	6.88616	1.80E-40
AT2TE21605	6.90289	3.19E-11
AT5TE65370	6.91049	4.22E-43
AT5G20440	6.93654	3.06E-08
AT5TE38340	6.93819	7.37E-36
AT5TE25460	6.95615	1.54E-10
AT2TE16805	7.00262	4.84E-42
AT5G28230	7.00288	2.55E-39
AT4TE18785	7.01717	4.06E-09
AT4G06748	7.02238	7.25E-55
AT4TE13880	7.02648	4.58E-20
AT3TE57085	7.03413	3.66E-18
AT5TE42710	7.03907	1.87E-46
AT2G13410	7.04899	6.00E-21
AT5TE50155	7.05438	2.77E-19
AT4TE19030	7.05475	4.25E-10
AT4G07526	7.07471	4.54E-25
AT1TE42400	7.10296	1.75E-08
AT3G32200	7.1059	4.07E-10
AT1TE43740	7.10767	2.96E-11
AT5TE43910	7.10777	8.73E-26
AT1TE58100	7.10932	1.81E-09
AT3TE59025	7.11177	2.51E-13
AT3TE42960	7.11378	2.95E-10
AT5G28235	7.11453	3.47E-31
AT1G47595	7.12999	2.45E-16
AT3TE53690	7.13639	4.81E-15
AT5TE46840	7.18047	1.45E-19
AT3TE61075	7.19058	3.92E-49
AT2TE25540	7.19541	6.85E-09
AT2TE19175	7.22265	2.69E-09
AT2TE15655	7.22987	2.08E-25
AT1G18230	7.23634	1.27E-10
AT5TE46485	7.24202	1.12E-37
AT5TE61735	7.24323	6.96E-41
AT1TE46635	7.2499	9.84E-09
AT5TE45900	7.25503	3.03E-12
AT5TE23185	7.2755	7.16E-60
AT2TE26785	7.28758	8.64E-12
AT3TE45430	7.29134	1.42E-46
AT1TE45965	7.30619	4.72E-21
AT4TE08245	7.3176	1.86E-16
AT2TE05675	7.32204	7.44E-25
AT1TE52990	7.32661	2.04E-41



AT5TE44185	7.35342	1.28E-12
AT2TE23965	7.35662	2.90E-25
AT5TE48930	7.35852	3.86E-19
AT4TE06990	7.36458	2.28E-18
AT2TE12140	7.39315	1.52E-12
AT4TE18765	7.39338	1.58E-06
AT2TE28290	7.40035	2.15E-12
AT3G07380	7.40529	7.60E-22
AT3G26800	7.41051	7.42E-07
AT5TE55555	7.41091	5.35E-57
AT2TE12145	7.41981	3.57E-13
AT1TE43040	7.42729	3.45E-13
AT3G30370	7.4337	3.18E-13
AT2G19850	7.45643	8.78E-44
AT5G45570	7.4742	2.37E-60
AT2TE16270	7.47497	3.94E-13
AT2G16018	7.4788	3.55E-53
AT5TE39140	7.48118	1.27E-63
AT2G33175	7.48549	5.18E-40
AT1TE28830	7.49596	2.52E-59
AT3TE55360	7.50536	3.30E-21
AT5TE37985	7.52383	0.000124295
AT2TE06955	7.55205	3.01E-36
AT1TE74860	7.55551	1.38E-43
AT4TE67560	7.55837	3.71E-52
AT4TE10675	7.56169	1.15E-34
AT5TE83215	7.56346	1.79E-09
AT5TE46155	7.58693	5.68E-63
AT4G19240	7.61444	2.35E-50
AT5TE38285	7.64903	1.62E-57
AT5TE49335	7.66796	4.99E-29
AT2G06002	7.67583	1.32E-52
AT3TE49825	7.69565	1.81E-34
AT2TE35840	7.72944	4.00E-11
AT2G06095	7.76683	3.65E-15
AT5TE41835	7.7807	4.75E-07
AT1G67105	7.78108	3.77E-70
AT3TE90530	7.78581	4.14E-33
AT5TE47105	7.79669	1.75E-20
AT3TE20780	7.81426	1.86E-41
AT4TE13450	7.81942	3.97E-16
AT4G15242	7.84034	1.76E-44
AT3TE52540	7.8421	6.35E-17
AT1TE49325	7.84814	2.45E-14
AT3TE64215	7.8638	3.81E-25
AT3TE50575	7.8921	5.00E-23
AT2TE10980	7.90265	1.89E-53
AT5TE55145	7.90861	1.63E-09
AT1TE52855	7.91	8.91E-19

AT1TE96425	7.91115	2.09E-24
AT2TE23855	7.92899	1.22E-11
AT4TE16745	7.93199	6.30E-19
AT1G18130	7.94214	5.56E-10
AT5TE64600	7.94224	1.83E-48
AT3G27140	7.94723	3.00E-17
AT5G28180	7.95204	5.91E-21
AT2TE20035	7.97404	5.21E-20
AT3TE53865	7.98505	2.28E-56
AT4TE20535	8.00704	1.27E-16
AT5TE44235	8.01684	8.17E-59
AT5TE46110	8.04442	1.32E-19
AT5TE40100	8.06653	2.38E-17
AT5TE18470	8.06797	6.65E-19
AT2TE28325	8.07982	3.03E-54
AT5TE22990	8.09355	3.89E-18
AT1TE70805	8.10091	4.31E-16
AT3TE45630	8.10354	7.59E-20
AT2TE16955	8.11144	3.42E-32
AT2TE58010	8.12622	2.30E-19
AT4TE18315	8.17141	3.45E-37
AT2TE11805	8.17172	4.88E-41
AT2TE11890	8.17273	2.70E-50
AT1TE39380	8.17309	4.07E-53
AT1TE27295	8.18918	1.83E-57
AT2TE20140	8.19681	4.15E-34
AT2TE08135	8.20503	1.41E-65
AT5TE37660	8.21033	1.43E-21
AT1G46696	8.21162	2.31E-42
AT3G01345	8.21842	9.14E-82
AT4G08430	8.21911	8.46E-51
AT2TE16580	8.2249	3.45E-18
AT5TE46175	8.22936	7.49E-24
AT3G14670	8.23072	9.87E-25
AT1TE52860	8.23745	2.56E-22
AT3G54730	8.239	3.65E-33
AT5TE43580	8.24373	7.19E-50
AT4G06597	8.2453	9.57E-25
AT5TE47170	8.24584	2.80E-26
AT1TE51835	8.24598	2.71E-22
AT2TE19200	8.2515	5.03E-62
AT3TE53605	8.25856	2.94E-27
AT2TE37050	8.28516	1.84E-45
AT2TE18330	8.30313	3.98E-21
AT4TE08850	8.30868	3.81E-09
AT1TE47105	8.32608	2.93E-20
AT4TE08995	8.33834	2.08E-50
AT5TE42435	8.35045	6.00E-17
AT2TE06620	8.36331	2.66E-50

AT5TE49755	8.36436	1.23E-42
AT4TE18625	8.38765	4.73E-28
AT4G04250	8.38989	1.27E-54
AT5TE42925	8.3969	1.55E-37
AT1G27565	8.40774	1.30E-42
AT3TE61290	8.40947	1.52E-28
AT4G07320	8.40951	6.48E-28
AT5TE42035	8.40966	8.86E-46
AT3TE63215	8.41301	2.16E-13
AT4TE18650	8.41955	2.43E-17
AT3G31910	8.42362	4.02E-40
AT1TE46970	8.42844	3.36E-11
AT5TE44310	8.43311	2.89E-21
AT2TE16865	8.43858	3.01E-26
AT3TE54575	8.44716	2.39E-43
AT5G28810	8.44892	1.47E-70
AT4TE25065	8.45155	2.78E-23
AT5TE43815	8.45598	1.96E-67
AT3TE53745	8.48773	2.00E-40
AT3TE53995	8.49315	4.08E-86
AT5TE42470	8.49618	4.44E-82
AT3TE50500	8.51328	1.41E-28
AT2TE23670	8.51641	1.21E-22
AT5TE33315	8.56957	9.21E-35
AT2TE24735	8.59112	2.04E-57
AT5G29030	8.59227	5.14E-39
AT2TE12115	8.59648	2.07E-27
AT3TE48135	8.60558	1.58E-72
AT2TE16585	8.61558	8.56E-35
AT2TE20940	8.65286	5.47E-70
AT5TE56585	8.66922	1.06E-11
AT5G34869	8.67277	5.89E-74
AT5TE32885	8.68233	1.61E-10
AT3TE55365	8.69575	4.47E-70
AT5G37140	8.70205	4.39E-31
AT1TE42875	8.71042	6.64E-54
AT2TE16530	8.7119	3.25E-61
AT4TE46305	8.72542	3.07E-44
AT2TE15660	8.74015	7.35E-24
AT1TE55795	8.75716	4.16E-29
AT5TE47100	8.76861	2.01E-38
AT2TE15415	8.77721	3.03E-15
AT5TE39425	8.79309	3.14E-80
AT4TE44080	8.80151	4.32E-54
AT3TE59885	8.8087	8.33E-34
AT1TE72615	8.81884	2.16E-51
AT1TE45175	8.82007	6.54E-33
AT3TE57310	8.83025	7.84E-63
AT5TE32355	8.83221	1.05E-26

AT4TE17070	8.83881	4.05E-27
AT2TE26370	8.83889	2.93E-22
AT2G17690	8.86313	1.20E-86
AT1TE53060	8.88069	7.55E-69
AT1TE52120	8.88308	3.85E-25
AT2TE20925	8.91389	9.16E-40
AT2TE16245	8.9257	1.85E-45
AT4TE15270	8.9265	3.52E-33
AT3TE59045	8.9303	1.87E-28
AT5TE39230	8.93468	1.63E-39
AT3TE53580	8.94775	3.41E-55
AT4TE22955	8.95128	7.25E-54
AT5TE46210	8.96132	2.17E-92
AT5G45095	8.96217	7.50E-82
AT4TE09080	8.96369	8.07E-33
AT5TE42330	8.97437	5.32E-23
AT2TE10975	8.97981	9.17E-52
AT2TE19485	8.98159	6.62E-23
AT2TE20935	8.99268	4.07E-36
AT1TE54645	9.00448	1.08E-43
AT5TE41770	9.02707	2.22E-28
AT3TE61065	9.03006	2.46E-57
AT5TE25535	9.03253	8.97E-27
AT1TE62470	9.03494	5.44E-87
AT4TE09580	9.04286	5.61E-12
AT3TE62735	9.04515	4.98E-53
AT5TE58755	9.05837	3.74E-30
AT1TE49300	9.07103	3.52E-42
AT2TE21105	9.07165	4.70E-23
AT2TE16860	9.07196	4.23E-43
AT2TE18415	9.07196	6.20E-15
AT5G26270	9.08424	4.83E-88
AT3TE68090	9.08986	5.92E-35
AT3G43148	9.10517	2.59E-49
AT3TE60195	9.11656	5.41E-37
AT2TE22235	9.11929	3.23E-29
AT3TE22200	9.13713	1.57E-58
AT2G07750	9.13732	2.64E-30
AT2TE16425	9.14404	4.97E-57
AT5TE20395	9.1444	4.29E-16
AT1G35617	9.14585	7.18E-30
AT5G32590	9.14899	1.57E-50
AT1G36078	9.16059	5.75E-19
AT2TE12020	9.16574	2.25E-59
AT2TE20030	9.17304	1.34E-46
AT2G06420	9.17338	5.63E-27
AT5TE40575	9.18862	4.53E-82
AT1TE51040	9.19125	1.39E-34
AT4G06582	9.19425	7.79E-34

AT4G25530	9.19522	4.20E-88
AT2TE07745	9.19719	3.35E-10
AT3TE58020	9.20382	1.43E-78
AT3TE57150	9.21013	3.75E-45
AT3TE61160	9.24799	4.06E-57
AT5TE52400	9.25069	8.92E-30
AT5TE41420	9.25354	8.39E-72
AT5TE47895	9.25466	4.03E-33
AT5TE43535	9.25833	1.02E-30
AT4TE16500	9.25838	3.68E-32
AT2TE17625	9.26005	1.06E-15
AT2TE13060	9.26216	2.55E-16
AT2TE16235	9.28591	1.05E-77
AT2TE19435	9.2886	3.25E-64
AT3TE70635	9.29752	3.61E-67
AT4TE18435	9.30083	9.33E-84
AT3TE54710	9.3029	6.52E-33
AT2TE22075	9.30335	4.02E-67
AT1TE19130	9.31024	3.15E-45
AT3G29080	9.31036	3.46E-33
AT3TE61555	9.3167	1.62E-23
AT2TE25365	9.33423	2.57E-33
AT4TE18445	9.34083	2.67E-54
AT5TE52855	9.34644	3.87E-41
AT3TE63540	9.34832	5.46E-87
AT4G03830	9.35166	9.97E-34
AT5TE38320	9.36135	3.86E-60
AT5TE39325	9.36163	3.25E-29
AT2TE20255	9.36463	1.23E-87
AT2TE19595	9.38079	3.61E-69
AT2TE43165	9.39383	1.12E-31
AT1TE65060	9.40428	7.52E-96
AT4TE18055	9.43606	1.23E-38
AT3TE51460	9.44689	2.25E-96
AT1G47265	9.45656	2.23E-28
AT2TE23705	9.46086	1.45E-89
AT2TE05755	9.46893	1.06E-42
AT4TE15440	9.47278	5.11E-77
AT2TE16575	9.47642	2.00E-41
AT3G43340	9.48338	7.65E-42
AT3TE61600	9.4851	9.40E-55
AT4TE20400	9.49013	4.67E-56
AT1TE52590	9.49443	1.69E-71
AT1TE64830	9.50397	1.22E-59
AT2TE17725	9.51401	1.49E-70
AT4TE18470	9.51434	4.08E-35
AT1TE42445	9.52144	3.55E-54
AT5G29040	9.54251	2.29E-53
AT3TE67445	9.5492	5.10E-65

AT3TE62685	9.55089	4.86E-59
AT5G41660	9.56136	2.34E-63
AT3TE51330	9.56721	3.08E-31
AT5TE44890	9.56995	0.008076843
AT1TE82600	9.57241	1.57E-62
AT3TE51735	9.58065	7.77E-85
AT4TE19920	9.58313	2.15E-37
AT1TE50875	9.58319	1.65E-43
AT2TE28025	9.58698	8.32E-56
AT1TE53390	9.58813	5.92E-71
AT1TE54640	9.59405	6.86E-44
AT3TE50940	9.60116	1.15E-43
AT5TE43360	9.60169	4.43E-29
AT5TE44740	9.60268	7.65E-45
AT1TE46235	9.60801	2.22E-07
AT4TE09995	9.61184	1.00E-36
AT4TE08475	9.61396	1.49E-34
AT5TE39315	9.63937	4.62E-22
AT2TE11545	9.64261	1.77E-44
AT5TE42860	9.65066	1.61E-37
AT2TE10260	9.65759	3.66E-42
AT3TE48150	9.66042	1.60E-60
AT2TE23185	9.67713	7.32E-56
AT4TE15280	9.68594	3.56E-43
AT1G44040	9.68604	1.53E-19
AT4TE25050	9.69271	1.41E-45
AT2TE23970	9.693	8.63E-25
AT5TE42350	9.69566	2.23E-29
AT1TE44455	9.69781	2.84E-44
AT2TE13350	9.70326	1.64E-66
AT1TE64825	9.7046	4.66E-55
AT5TE44365	9.70882	4.11E-34
AT5TE44730	9.71194	2.64E-71
AT2TE16590	9.71232	3.72E-18
AT1TE52950	9.71912	1.03E-95
AT2TE18155	9.73507	1.35E-38
AT2TE16415	9.73599	1.37E-30
AT4TE16080	9.74158	4.18E-49
AT3TE56700	9.75074	5.49E-13
AT3TE53630	9.75149	1.25E-33
AT1TE52205	9.75164	2.15E-93
AT4G07965	9.75248	9.47E-54
AT2G11010	9.75272	1.24E-25
AT2TE21110	9.75329	6.33E-18
AT2TE17110	9.75535	5.11E-97
AT5TE42440	9.76281	1.92E-79
AT2TE09735	9.76437	2.67E-54
AT3TE48120	9.76975	4.26E-90
AT4TE16400	9.78989	8.10E-88

AT5TE43855	9.79557	2.76E-37
AT3TE51660	9.79654	1.10E-63
AT1TE52985	9.79727	4.29E-69
AT3TE50025	9.80621	1.09E-97
AT5TE42965	9.81367	3.75E-61
AT4TE15255	9.81812	2.30E-58
AT4TE15820	9.82481	6.55E-90
AT5TE33455	9.82955	3.84E-63
AT2TE27645	9.84735	7.02E-57
AT2TE26315	9.85512	6.38E-40
AT3TE52320	9.85525	2.92E-59
AT3TE57645	9.87265	3.83E-57
AT4TE15875	9.87597	3.56E-93
AT5TE55490	9.87953	6.16E-72
AT4TE16990	9.8852	1.39E-18
AT1TE46065	9.88775	4.88E-37
AT1TE46765	9.89041	3.80E-61
AT4TE15870	9.89065	4.77E-49
AT5TE47500	9.89166	4.58E-38
AT5TE18885	9.89822	8.19E-45
AT4TE09510	9.9011	2.31E-53
AT1TE52610	9.90273	3.00E-17
AT2TE06610	9.91088	4.03E-59
AT5TE42420	9.92501	1.41E-99
AT3TE60200	9.92692	2.92E-40
AT5TE48205	9.94394	2.60E-40
AT4TE09085	9.94598	1.24E-86
AT5TE53465	9.94759	6.69E-54
AT5TE36940	9.95148	1.47E-92
AT1TE46330	9.9533	1.16E-66
AT3TE51340	9.95744	3.38E-11
AT2TE27465	9.96454	4.23E-45
AT3TE62025	9.97088	3.08E-46
AT3TE69350	9.9749	1.84E-93
AT5TE40295	9.98775	4.23E-61
AT1G63540	9.99409	7.76E-24
AT4TE18680	9.99709	9.23E-36
AT2TE15565	10.00771	1.29E-58
AT1TE70815	10.00897	3.44E-86
AT4TE14295	10.01048	1.69E-58
AT3TE50670	10.01745	1.48E-71
AT1TE55320	10.04065	7.70E-102
AT1TE45020	10.04703	8.71E-93
AT2TE16230	10.04881	7.67E-48
AT1TE48035	10.06221	9.12E-99
AT2TE25740	10.0658	8.40E-68
AT5TE44415	10.07066	3.47E-40
AT2TE22040	10.0783	5.80E-93
AT1TE47750	10.08236	8.61E-44

AT3TE58895	10.08646	5.86E-86
AT3TE53970	10.09607	7.66E-29
AT5TE54525	10.10172	1.36E-48
AT2TE16310	10.10931	4.17E-81
AT5TE43975	10.1094	1.87E-79
AT4TE21170	10.11566	1.46E-74
AT2TE16420	10.11571	1.32E-51
AT4TE21190	10.12763	4.81E-52
AT3TE52310	10.14135	9.89E-49
AT5TE48550	10.14321	8.78E-43
AT1TE49315	10.14367	8.08E-45
AT1TE51055	10.15164	9.52E-53
AT4TE05190	10.1523	4.63E-96
AT1TE52210	10.15676	3.64E-52
AT4TE18720	10.15893	3.67E-55
AT3TE54005	10.16109	3.36E-97
AT2TE24525	10.16295	5.89E-96
AT2TE11925	10.16358	7.13E-53
AT5TE37965	10.16438	4.47E-100
AT3TE57395	10.16549	2.72E-97
AT1TE51820	10.16709	6.19E-75
AT5TE47525	10.16714	3.25E-42
AT5TE44130	10.17512	9.19E-59
AT1TE52925	10.17516	6.09E-59
AT5TE36945	10.17521	2.03E-79
AT4TE08990	10.17577	5.62E-45
AT3TE52305	10.18025	2.45E-83
AT2TE63800	10.20003	5.55E-104
AT2TE05665	10.20016	1.32E-19
AT4TE14540	10.20593	1.32E-68
AT5TE40565	10.20604	1.26E-82
AT3TE60460	10.21013	1.67E-85
AT3TE49090	10.21482	2.64E-63
AT5TE43435	10.21509	4.15E-21
AT2TE18455	10.21779	7.90E-52
AT1TE43880	10.22631	1.14E-71
AT2TE20220	10.22765	2.16E-91
AT5TE47200	10.22967	2.06E-52
AT1G51172	10.23179	3.73E-50
AT4TE20815	10.23672	9.82E-35
AT3TE64435	10.23738	3.94E-97
AT4TE18685	10.24755	1.21E-22
AT2TE11350	10.25374	3.69E-83
AT5TE43260	10.269	5.64E-91
AT1TE48020	10.27327	8.87E-40
AT4TE13035	10.28189	8.31E-98
AT5TE41980	10.29071	6.32E-79
AT5TE46215	10.29758	4.47E-89
AT1TE49675	10.30217	1.22E-62



AT2TE48990	10.30219	1.34E-66
AT5TE46220	10.30371	7.18E-40
AT4TE20245	10.3074	1.99E-84
AT5TE44770	10.31498	6.88E-96
AT5G35070	10.31884	1.64E-20
AT5TE41870	10.32505	2.88E-94
AT1G20400	10.32545	6.96E-79
AT4TE19915	10.33128	5.11E-85
AT4TE19140	10.33492	1.52E-38
AT4G08593	10.3401	6.97E-78
AT1TE50860	10.36107	8.92E-101
AT2G11773	10.36417	8.81E-34
AT2TE11355	10.37142	3.95E-18
AT5TE48820	10.37502	4.69E-55
AT5TE43325	10.37567	5.40E-50
AT4TE20745	10.38142	1.04E-45
AT5TE44355	10.39141	2.35E-63
AT5TE42255	10.39632	5.40E-28
AT5TE43915	10.40545	2.25E-74
AT4TE19150	10.40596	3.79E-74
AT4TE20120	10.4114	4.07E-89
AT1TE44125	10.42193	1.09E-72
AT5TE52850	10.42216	5.74E-48
AT4TE18705	10.4229	1.71E-73
AT5TE65540	10.423	3.02E-96
AT2TE17600	10.43519	3.59E-100
AT3TE82555	10.4373	2.48E-56
AT3TE61520	10.44564	9.76E-33
AT3G43310	10.44993	1.58E-48
AT3TE59450	10.46086	4.60E-72
AT1TE51735	10.46742	6.91E-108
AT1TE51105	10.46884	1.59E-27
AT4G08691	10.47354	7.17E-90
AT5TE69650	10.4757	1.15E-52
AT3TE55395	10.48457	3.87E-103
AT3TE53985	10.48942	1.62E-101
AT3TE50760	10.48999	7.23E-51
AT1TE45390	10.49049	1.16E-38
AT1TE51065	10.49549	4.14E-52
AT3TE60280	10.50237	1.95E-110
AT1TE44380	10.50458	2.43E-73
AT3TE60425	10.50499	1.46E-44
AT3TE62975	10.50912	1.49E-80
AT1TE60180	10.51193	3.29E-95
AT2TE15880	10.51271	9.38E-105
AT1TE42210	10.51802	5.22E-47
AT3TE62785	10.52325	5.51E-82
AT4TE10350	10.52421	3.61E-103
AT4G06688	10.53058	2.02E-40

AT3TE59455	10.5311	1.48E-32
AT3TE50595	10.53588	1.62E-101
AT1TE38940	10.55135	2.16E-100
AT3TE51325	10.55462	2.10E-98
AT1TE42225	10.56094	1.82E-20
AT4TE17205	10.56445	2.33E-97
AT5TE43805	10.59277	3.21E-94
AT1TE36570	10.596	2.52E-66
AT3TE59490	10.60209	6.14E-11
AT4TE17115	10.61173	5.59E-44
AT5TE43275	10.6164	2.12E-14
AT5TE42010	10.64733	1.65E-29
AT2TE21710	10.65265	4.27E-96
AT3TE51250	10.65401	5.19E-80
AT5TE43980	10.66286	7.67E-95
AT4TE17470	10.66777	2.58E-97
AT1TE44450	10.66996	1.05E-106
AT3G30230	10.67447	3.53E-35
AT3TE51760	10.68256	1.01E-51
AT2TE12555	10.68429	5.98E-68
AT4TE09565	10.68741	4.89E-80
AT1TE41230	10.69487	1.05E-106
AT4TE20800	10.69587	1.23E-99
AT1TE52125	10.69598	1.12E-56
AT4TE13990	10.69598	6.19E-25
AT1TE42890	10.70121	1.18E-101
AT2TE11920	10.70413	9.38E-105
AT5TE43385	10.71028	1.07E-99
AT5G15360	10.71256	1.53E-62
AT5G38190	10.7143	1.96E-77
AT4TE15825	10.72222	6.30E-66
AT5TE43940	10.72648	2.87E-93
AT3TE50570	10.72686	1.30E-51
AT5TE44735	10.73023	4.93E-51
AT2TE12030	10.74156	1.42E-101
AT5TE46855	10.74484	9.49E-33
AT2TE19625	10.74515	2.77E-73
AT2TE20590	10.75456	1.35E-52
AT4G16215	10.76594	1.06E-90
AT1TE54760	10.78208	4.69E-75
AT5TE42355	10.7864	9.76E-73
AT5TE41425	10.78676	9.41E-58
AT1TE46575	10.7895	2.17E-70
AT4TE16085	10.79463	5.53E-41
AT4TE13485	10.79469	1.60E-58
AT4TE09175	10.79917	1.85E-61
AT1TE43975	10.81607	0.003789002
AT4G29200	10.81635	7.75E-49
AT5TE42135	10.83073	2.72E-71

AT4TE15030	10.83098	3.18E-98
AT5G03090	10.84204	7.65E-62
AT3TE51380	10.84636	1.70E-13
AT5TE41795	10.86123	8.56E-100
AT1G59930	10.8734	7.31E-51
AT5TE46685	10.87697	5.12E-47
AT5TE42920	10.89012	6.23E-36
AT1TE45135	10.89702	5.92E-85
AT5TE42660	10.89752	2.12E-32
AT5TE41070	10.89779	3.72E-72
AT2TE22335	10.90894	1.16E-88
AT1TE44630	10.91403	1.69E-62
AT5TE41865	10.92473	3.41E-103
AT5TE42940	10.93274	9.85E-23
AT1TE45380	10.95585	4.35E-52
AT4TE18675	10.97404	5.70E-39
AT4TE18670	10.98537	1.32E-66
AT5TE40425	10.98546	4.11E-97
AT1TE45385	10.98793	2.20E-43
AT5TE43615	11.00569	1.05E-90
AT1TE48830	11.01434	1.12E-22
AT5TE43665	11.02088	4.41E-105
AT5TE47160	11.06392	1.22E-56
AT1TE47745	11.06451	6.23E-46
AT3TE61615	11.0682	2.78E-52
AT5TE51685	11.07051	2.21E-100
AT4TE18715	11.07243	2.40E-68
AT3TE55355	11.07729	3.07E-39
AT3TE59620	11.09828	2.74E-88
AT5G33251	11.11045	2.68E-93
AT5TE39830	11.11841	7.52E-96
AT3TE60550	11.12134	8.71E-101
AT2G06562	11.12599	5.80E-93
AT3TE57050	11.14491	1.56E-55
AT3TE51675	11.14815	7.52E-21
AT2TE24385	11.15407	1.36E-106
AT2TE19600	11.16621	2.40E-66
AT3TE59560	11.1664	3.76E-58
AT3TE57355	11.16868	7.64E-59
AT2TE22520	11.16914	3.06E-51
AT3TE61525	11.17675	2.41E-106
AT3TE59100	11.18863	5.36E-39
AT4TE13505	11.19307	1.08E-70
AT3TE50605	11.19659	8.67E-30
AT4TE18655	11.21505	3.48E-64
AT3TE60525	11.25366	4.20E-73
AT1TE46665	11.27144	3.85E-57
AT3TE58580	11.28111	2.31E-35
AT1TE49850	11.28257	2.25E-76

AT2TE19610	11.31079	2.63E-90
AT1TE72970	11.31972	1.26E-79
AT3TE60430	11.32051	8.42E-56
AT3TE53045	11.32358	2.23E-73
AT1G47660	11.33839	8.45E-28
AT5TE43625	11.34083	1.31E-68
AT1G59920	11.35299	4.92E-65
AT2TE19005	11.36225	1.74E-48
AT4TE18060	11.36809	2.34E-61
AT4TE09055	11.39074	2.44E-69
AT2TE09640	11.3924	4.38E-69
AT3TE55370	11.40979	7.86E-86
AT3TE55340	11.4217	1.87E-79
AT5TE42015	11.43614	3.47E-41
AT3TE50600	11.44424	4.17E-81
AT4TE20125	11.47612	1.17E-88
AT4TE15945	11.52305	6.80E-67
AT4TE15420	11.5366	4.98E-44
AT2G10260	11.5535	1.69E-64
AT5TE63610	11.59203	5.25E-82
AT3TE57345	11.60067	2.27E-58
AT3TE54705	11.60883	1.20E-43
AT3TE53215	11.6111	3.00E-70
AT4G07720	11.61372	4.50E-33
AT3TE60285	11.62824	1.95E-101
AT2TE17590	11.68483	2.83E-62
AT2TE13360	11.69191	4.80E-62
AT3TE60560	11.70118	3.53E-91
AT2TE17565	11.74799	4.05E-80
AT4TE23345	11.81224	4.28E-68
AT1TE49955	11.81931	8.71E-93
AT4TE18245	11.82807	2.75E-73
AT3G24542	11.84072	1.72E-68
AT2TE20205	11.84263	2.46E-75
AT4TE19925	11.85248	5.06E-55
AT1TE45375	11.92219	7.27E-67
AT1TE62360	11.95818	9.71E-70
AT3TE50675	11.97188	1.49E-70
AT2TE42810	12.01436	1.19E-87
AT1TE49845	12.04697	3.45E-50
AT3TE54700	12.15932	5.07E-27
AT4TE07420	12.28964	1.12E-74
AT2G11778	12.38056	5.38E-51
AT1TE54925	12.9133	5.77E-83
AT3TE47975	13.40588	8.08E-91
AT1TE39515	13.54286	2.33E-97
AT1TE43225	Inf	1.15E-08
AT1G11590	Inf	0.026562965
AT1G11595	Inf	2.18E-26

AT1G19040	Inf	9.54E-06
AT1G19610	Inf	0.002390176
AT1G23300	Inf	0.000161232
AT1G27461	Inf	0.016606787
AT1G27570	Inf	5.65E-29
AT1G30784	Inf	1.17E-12
AT1G32000	Inf	4.02E-43
AT1G32010	Inf	6.08E-49
AT1G32720	Inf	0.045736696
AT1G33010	Inf	1.75E-06
AT1G34041	Inf	6.73E-05
AT1G35375	Inf	0.010655276
AT1G35500	Inf	7.04E-13
AT1G36100	Inf	1.14E-19
AT1G36230	Inf	4.89E-05
AT1G36240	Inf	5.52E-26
AT1G36510	Inf	8.50E-08
AT1G36640	Inf	0.008038903
AT1G36660	Inf	0.000784168
AT1G36745	Inf	6.68E-34
AT1G37162	Inf	1.02E-05
AT1G40078	Inf	0.000141176
AT1G41820	Inf	2.99E-06
AT1G41890	Inf	3.99E-41
AT1G42635	Inf	0.002830262
AT1G42680	Inf	2.33E-24
AT1G43730	Inf	0.047484518
AT1G47765	Inf	0.004296365
AT1G51330	Inf	0.01390858
AT1G52950	Inf	0.001422506
AT1G55650	Inf	0.01437256
AT1G66920	Inf	0.000306578
AT1G68850	Inf	0.011016766
AT1G79130	Inf	0.019656931
AT1TE04710	Inf	2.05E-13
AT1TE14085	Inf	1.27E-63
AT1TE19270	Inf	7.25E-05
AT1TE20090	Inf	1.08E-10
AT1TE28375	Inf	0.008171032
AT1TE31935	Inf	5.66E-12
AT1TE33490	Inf	4.74E-20
AT1TE34580	Inf	8.68E-16
AT1TE35720	Inf	4.76E-13
AT1TE37210	Inf	0.000111157
AT1TE37215	Inf	3.64E-17
AT1TE37265	Inf	0.004611082
AT1TE39375	Inf	1.07E-45
AT1TE39880	Inf	0.010203723
AT1TE40940	Inf	0.002955919

AT1TE41345	Inf	1.02E-24
AT1TE41460	Inf	0.032085318
AT1TE41485	Inf	0.003401074
AT1TE41580	Inf	4.97E-09
AT1TE41735	Inf	0.000819059
AT1TE42375	Inf	0.000518978
AT1TE42380	Inf	4.84E-05
AT1TE42395	Inf	0.004772667
AT1TE42440	Inf	2.19E-13
AT1TE42450	Inf	1.92E-12
AT1TE42465	Inf	1.17E-47
AT1TE42490	Inf	2.47E-19
AT1TE43025	Inf	5.97E-11
AT1TE43030	Inf	1.00E-06
AT1TE43585	Inf	0.00090489
AT1TE43910	Inf	0.026247902
AT1TE44260	Inf	2.71E-08
AT1TE44265	Inf	3.96E-15
AT1TE44430	Inf	0.018416941
AT1TE44525	Inf	0.000135481
AT1TE44670	Inf	0.017358633
AT1TE44825	Inf	5.82E-10
AT1TE44875	Inf	4.91E-09
AT1TE44905	Inf	8.32E-25
AT1TE44910	Inf	4.37E-23
AT1TE44945	Inf	0.008051925
AT1TE45080	Inf	1.35E-06
AT1TE45180	Inf	0.000700849
AT1TE45185	Inf	0.006067871
AT1TE45200	Inf	1.10E-05
AT1TE45395	Inf	8.11E-05
AT1TE45475	Inf	2.31E-09
AT1TE45490	Inf	2.36E-05
AT1TE45710	Inf	3.14E-09
AT1TE45790	Inf	2.06E-21
AT1TE45795	Inf	0.015842715
AT1TE45870	Inf	6.89E-47
AT1TE45955	Inf	0.01149715
AT1TE46140	Inf	1.55E-21
AT1TE46265	Inf	1.32E-19
AT1TE46270	Inf	0.018616669
AT1TE46275	Inf	8.21E-21
AT1TE46305	Inf	8.09E-27
AT1TE46310	Inf	1.46E-34
AT1TE46315	Inf	9.79E-05
AT1TE46395	Inf	0.045407043
AT1TE46405	Inf	2.68E-06
AT1TE46580	Inf	2.29E-26
AT1TE46585	Inf	1.35E-09

AT1TE46625	Inf	4.37E-30
AT1TE46630	Inf	2.15E-08
AT1TE46685	Inf	1.05E-05
AT1TE46755	Inf	3.71E-58
AT1TE46785	Inf	0.00991495
AT1TE46795	Inf	1.06E-18
AT1TE46805	Inf	1.65E-13
AT1TE46825	Inf	1.08E-40
AT1TE46960	Inf	2.94E-20
AT1TE47035	Inf	1.71E-13
AT1TE47130	Inf	0.015780742
AT1TE47140	Inf	0.017850065
AT1TE47540	Inf	1.56E-05
AT1TE47545	Inf	0.024525535
AT1TE47550	Inf	2.28E-08
AT1TE47570	Inf	2.46E-11
AT1TE47595	Inf	0.000292645
AT1TE47630	Inf	0.00576389
AT1TE47705	Inf	0.000155194
AT1TE47715	Inf	4.08E-08
AT1TE47720	Inf	1.41E-05
AT1TE47730	Inf	4.00E-10
AT1TE47780	Inf	0.003262257
AT1TE47880	Inf	1.17E-08
AT1TE48025	Inf	1.21E-32
AT1TE48045	Inf	6.19E-06
AT1TE49260	Inf	1.65E-17
AT1TE49330	Inf	7.94E-18
AT1TE49740	Inf	0.034871089
AT1TE49755	Inf	7.19E-12
AT1TE50895	Inf	7.92E-20
AT1TE50985	Inf	0.001968643
AT1TE51000	Inf	2.11E-11
AT1TE51050	Inf	2.20E-06
AT1TE51070	Inf	0.001950987
AT1TE51125	Inf	0.02052849
AT1TE51140	Inf	0.042794437
AT1TE51175	Inf	1.11E-17
AT1TE51180	Inf	0.047898279
AT1TE51185	Inf	0.000598811
AT1TE51190	Inf	0.007524192
AT1TE51260	Inf	0.000280028
AT1TE51265	Inf	0.004593908
AT1TE51270	Inf	0.001556818
AT1TE51275	Inf	1.88E-06
AT1TE51305	Inf	4.05E-07
AT1TE51360	Inf	0.002648879
AT1TE51475	Inf	0.003209099
AT1TE51485	Inf	0.049134386

AT1TE51615	Inf	4.28E-15
AT1TE51645	Inf	1.65E-21
AT1TE51650	Inf	1.34E-10
AT1TE51690	Inf	0.004189944
AT1TE51705	Inf	0.005281246
AT1TE51810	Inf	1.02E-11
AT1TE51870	Inf	0.001172369
AT1TE51900	Inf	1.60E-07
AT1TE51910	Inf	9.70E-13
AT1TE51950	Inf	8.66E-07
AT1TE51960	Inf	9.84E-16
AT1TE51985	Inf	1.46E-08
AT1TE51990	Inf	3.60E-09
AT1TE52025	Inf	0.000423497
AT1TE52090	Inf	0.002763795
AT1TE52105	Inf	2.33E-42
AT1TE52110	Inf	3.20E-41
AT1TE52135	Inf	7.50E-14
AT1TE52170	Inf	0.021141748
AT1TE52715	Inf	6.19E-22
AT1TE52720	Inf	1.04E-05
AT1TE52995	Inf	0.031544175
AT1TE53000	Inf	0.030466034
AT1TE53050	Inf	3.99E-33
AT1TE53065	Inf	6.51E-64
AT1TE53090	Inf	6.46E-39
AT1TE53095	Inf	4.11E-44
AT1TE53380	Inf	3.82E-18
AT1TE53385	Inf	4.53E-24
AT1TE53635	Inf	2.51E-42
AT1TE53660	Inf	2.59E-29
AT1TE53730	Inf	3.38E-05
AT1TE53765	Inf	0.000322997
AT1TE53825	Inf	3.88E-23
AT1TE53960	Inf	0.000608657
AT1TE53970	Inf	0.00291969
AT1TE53985	Inf	5.33E-06
AT1TE53995	Inf	2.47E-11
AT1TE54000	Inf	0.039352958
AT1TE54445	Inf	0.002689686
AT1TE54480	Inf	9.72E-27
AT1TE54530	Inf	1.85E-12
AT1TE54535	Inf	0.025179143
AT1TE54545	Inf	2.00E-16
AT1TE54590	Inf	0.031189973
AT1TE54650	Inf	4.17E-07
AT1TE56120	Inf	3.51E-07
AT1TE56235	Inf	8.66E-05
AT1TE57045	Inf	1.37E-09



AT1TE57220	Inf	1.77E-31
AT1TE58075	Inf	1.86E-45
AT1TE58490	Inf	5.73E-10
AT1TE59135	Inf	3.16E-09
AT1TE59175	Inf	1.00E-05
AT1TE59745	Inf	2.94E-15
AT1TE66380	Inf	2.09E-09
AT1TE76735	Inf	0.006442142
AT1TE77165	Inf	0.000857375
AT1TE96100	Inf	0.001949367
AT2G03934	Inf	5.04E-14
AT2G05635	Inf	6.65E-10
AT2G05915	Inf	4.38E-05
AT2G06845	Inf	2.06E-45
AT2G06904	Inf	0.000898459
AT2G07190	Inf	9.88E-06
AT2G07200	Inf	0.02160465
AT2G07213	Inf	4.71E-21
AT2G07215	Inf	0.014074436
AT2G07240	Inf	5.62E-28
AT2G07280	Inf	8.45E-06
AT2G07760	Inf	2.29E-19
AT2G09840	Inf	1.17E-07
AT2G10430	Inf	1.17E-07
AT2G10965	Inf	5.49E-05
AT2G10975	Inf	2.22E-05
AT2G11015	Inf	0.000282706
AT2G11271	Inf	0.000318108
AT2G11623	Inf	2.85E-14
AT2G11930	Inf	7.54E-28
AT2G11983	Inf	1.12E-50
AT2G12050	Inf	7.56E-20
AT2G12935	Inf	4.02E-11
AT2G13150	Inf	0.046942966
AT2G13770	Inf	0.000101017
AT2G13950	Inf	0.00013568
AT2G14410	Inf	6.18E-47
AT2G15110	Inf	6.70E-48
AT2G15420	Inf	5.78E-14
AT2G16676	Inf	0.040107824
AT2G18660	Inf	9.38E-07
AT2G24750	Inf	4.69E-05
AT2G24780	Inf	4.53E-08
AT2G30210	Inf	0.044221283
AT2G30750	Inf	0.023137002
AT2G40370	Inf	0.011568328
AT2G43865	Inf	1.05E-11
AT2G45220	Inf	0.001070016
AT2TE00030	Inf	1.53E-07

AT2TE01000	Inf	0.014460011
AT2TE02465	Inf	0.040496214
AT2TE02595	Inf	8.66E-05
AT2TE05410	Inf	5.28E-06
AT2TE05440	Inf	9.61E-09
AT2TE06040	Inf	0.010654364
AT2TE06615	Inf	2.14E-38
AT2TE08110	Inf	3.04E-06
AT2TE08120	Inf	5.24E-13
AT2TE08285	Inf	0.04626429
AT2TE08320	Inf	2.46E-17
AT2TE08665	Inf	3.66E-15
AT2TE08785	Inf	1.12E-15
AT2TE09100	Inf	3.76E-12
AT2TE09615	Inf	1.37E-05
AT2TE09625	Inf	0.000160785
AT2TE09635	Inf	1.44E-33
AT2TE10085	Inf	0.042034901
AT2TE10265	Inf	2.14E-06
AT2TE10495	Inf	0.001726066
AT2TE10585	Inf	0.003224053
AT2TE10970	Inf	0.006748551
AT2TE10985	Inf	1.48E-28
AT2TE11010	Inf	0.000199172
AT2TE11015	Inf	3.03E-24
AT2TE11050	Inf	3.87E-22
AT2TE11110	Inf	7.81E-08
AT2TE11145	Inf	1.81E-07
AT2TE11315	Inf	6.07E-17
AT2TE11360	Inf	4.97E-08
AT2TE11515	Inf	3.32E-09
AT2TE11540	Inf	1.23E-17
AT2TE11555	Inf	1.99E-22
AT2TE11560	Inf	5.78E-11
AT2TE11760	Inf	0.035909082
AT2TE11765	Inf	1.71E-14
AT2TE11960	Inf	1.68E-54
AT2TE12225	Inf	0.006311652
AT2TE12230	Inf	3.07E-05
AT2TE12295	Inf	3.37E-05
AT2TE12300	Inf	1.05E-08
AT2TE12305	Inf	0.008470993
AT2TE12310	Inf	1.58E-09
AT2TE12315	Inf	6.23E-11
AT2TE12435	Inf	0.01301638
AT2TE12450	Inf	0.000329533
AT2TE12470	Inf	3.48E-24
AT2TE12825	Inf	1.49E-55
AT2TE12960	Inf	0.000527444

AT2TE13025	Inf	8.49E-10
AT2TE13080	Inf	1.32E-08
AT2TE13145	Inf	4.61E-05
AT2TE13245	Inf	0.023370078
AT2TE13335	Inf	0.005761958
AT2TE13340	Inf	8.04E-27
AT2TE13355	Inf	8.85E-05
AT2TE13385	Inf	0.017315557
AT2TE13440	Inf	1.57E-15
AT2TE13865	Inf	0.008281084
AT2TE13870	Inf	6.05E-19
AT2TE13950	Inf	1.21E-15
AT2TE13955	Inf	0.000217334
AT2TE15395	Inf	0.007958354
AT2TE15400	Inf	2.43E-06
AT2TE15410	Inf	2.48E-10
AT2TE15570	Inf	3.66E-10
AT2TE15590	Inf	3.24E-05
AT2TE15920	Inf	0.002179385
AT2TE16010	Inf	9.32E-10
AT2TE16030	Inf	1.38E-31
AT2TE16170	Inf	2.14E-05
AT2TE16190	Inf	0.009579382
AT2TE16365	Inf	2.52E-07
AT2TE16385	Inf	0.002347714
AT2TE16390	Inf	2.97E-22
AT2TE16510	Inf	3.25E-19
AT2TE16545	Inf	0.013437795
AT2TE16560	Inf	9.03E-08
AT2TE16565	Inf	0.001461165
AT2TE16570	Inf	9.42E-14
AT2TE16600	Inf	4.04E-07
AT2TE16605	Inf	5.20E-09
AT2TE16620	Inf	0.000318219
AT2TE16665	Inf	4.06E-09
AT2TE16800	Inf	8.91E-09
AT2TE16815	Inf	4.79E-05
AT2TE16825	Inf	2.21E-71
AT2TE16850	Inf	8.53E-08
AT2TE16870	Inf	4.34E-10
AT2TE17095	Inf	1.33E-20
AT2TE17115	Inf	0.010194255
AT2TE17305	Inf	1.15E-16
AT2TE17425	Inf	0.03237099
AT2TE17555	Inf	5.41E-11
AT2TE17640	Inf	3.89E-14
AT2TE17645	Inf	0.039590523
AT2TE17650	Inf	1.09E-22
AT2TE17730	Inf	0.000102113

AT2TE17870	Inf	0.001264348
AT2TE17875	Inf	2.04E-07
AT2TE17940	Inf	0.00011497
AT2TE17985	Inf	5.58E-35
AT2TE18005	Inf	0.00098295
AT2TE18025	Inf	2.40E-08
AT2TE18335	Inf	4.74E-20
AT2TE18410	Inf	9.80E-44
AT2TE18440	Inf	5.29E-32
AT2TE18450	Inf	1.14E-51
AT2TE18830	Inf	4.58E-07
AT2TE18860	Inf	0.007706227
AT2TE18875	Inf	2.28E-06
AT2TE18885	Inf	6.05E-14
AT2TE18895	Inf	1.70E-09
AT2TE18980	Inf	1.01E-06
AT2TE19075	Inf	5.50E-15
AT2TE19160	Inf	5.86E-06
AT2TE19240	Inf	7.04E-14
AT2TE19250	Inf	0.041759044
AT2TE19430	Inf	1.14E-30
AT2TE19475	Inf	1.09E-23
AT2TE19480	Inf	8.31E-08
AT2TE19515	Inf	0.012066355
AT2TE19535	Inf	0.002763781
AT2TE19590	Inf	9.37E-63
AT2TE19615	Inf	1.17E-42
AT2TE19620	Inf	6.78E-14
AT2TE19660	Inf	0.001306554
AT2TE19850	Inf	0.012243497
AT2TE19855	Inf	0.003906457
AT2TE19970	Inf	1.32E-05
AT2TE19980	Inf	0.017923601
AT2TE19985	Inf	1.54E-07
AT2TE20000	Inf	2.20E-19
AT2TE20005	Inf	0.008340357
AT2TE20010	Inf	0.013311511
AT2TE20040	Inf	0.00241752
AT2TE20045	Inf	0.000145993
AT2TE20105	Inf	1.61E-11
AT2TE20110	Inf	1.46E-05
AT2TE20230	Inf	0.014114354
AT2TE20260	Inf	2.45E-05
AT2TE20330	Inf	0.01149715
AT2TE20335	Inf	9.76E-11
AT2TE20420	Inf	6.27E-06
AT2TE20435	Inf	5.92E-17
AT2TE20440	Inf	4.20E-33
AT2TE20445	Inf	3.10E-56

AT2TE20450	Inf	1.77E-35
AT2TE20600	Inf	0.000341107
AT2TE20605	Inf	6.79E-16
AT2TE20665	Inf	1.56E-07
AT2TE20735	Inf	4.95E-24
AT2TE20930	Inf	0.002451037
AT2TE20960	Inf	2.53E-08
AT2TE20965	Inf	0.003020601
AT2TE21065	Inf	0.032799258
AT2TE21100	Inf	1.45E-20
AT2TE21155	Inf	0.049312843
AT2TE21295	Inf	1.37E-33
AT2TE21450	Inf	5.18E-05
AT2TE21525	Inf	5.85E-09
AT2TE21530	Inf	4.93E-30
AT2TE21535	Inf	3.01E-13
AT2TE21545	Inf	2.89E-09
AT2TE21555	Inf	6.91E-10
AT2TE21610	Inf	0.005401354
AT2TE21705	Inf	5.54E-05
AT2TE21745	Inf	1.66E-11
AT2TE21760	Inf	3.05E-12
AT2TE21765	Inf	6.26E-09
AT2TE21855	Inf	5.03E-49
AT2TE22065	Inf	1.01E-22
AT2TE22175	Inf	0.000811668
AT2TE22185	Inf	8.70E-31
AT2TE22225	Inf	0.017850065
AT2TE22230	Inf	3.09E-12
AT2TE22245	Inf	9.02E-09
AT2TE22495	Inf	0.008823222
AT2TE22505	Inf	7.92E-34
AT2TE22550	Inf	1.56E-06
AT2TE22565	Inf	0.045407043
AT2TE23120	Inf	0.000112317
AT2TE23175	Inf	2.23E-11
AT2TE23210	Inf	1.70E-08
AT2TE23240	Inf	9.66E-06
AT2TE23510	Inf	5.84E-07
AT2TE23940	Inf	1.54E-05
AT2TE24250	Inf	0.002327628
AT2TE24335	Inf	0.001468685
AT2TE24850	Inf	0.000318108
AT2TE25095	Inf	0.006902758
AT2TE25350	Inf	6.92E-08
AT2TE25360	Inf	1.08E-35
AT2TE25515	Inf	0.000480502
AT2TE25520	Inf	8.54E-15
AT2TE25840	Inf	3.76E-14

AT2TE26230	Inf	3.73E-61
AT2TE26275	Inf	5.81E-10
AT2TE26285	Inf	0.000307934
AT2TE26360	Inf	0.000248719
AT2TE26380	Inf	1.16E-30
AT2TE26385	Inf	0.007662609
AT2TE26450	Inf	1.35E-09
AT2TE26470	Inf	0.000109406
AT2TE26680	Inf	1.29E-65
AT2TE26685	Inf	1.15E-22
AT2TE26780	Inf	1.52E-06
AT2TE26855	Inf	0.018216885
AT2TE26875	Inf	8.23E-06
AT2TE27460	Inf	2.46E-29
AT2TE27470	Inf	4.76E-09
AT2TE27950	Inf	0.000621873
AT2TE28030	Inf	6.40E-25
AT2TE28035	Inf	8.37E-05
AT2TE28160	Inf	1.81E-12
AT2TE28260	Inf	0.00018495
AT2TE28285	Inf	2.74E-16
AT2TE28345	Inf	0.009822253
AT2TE28430	Inf	0.000705491
AT2TE28565	Inf	0.038748558
AT2TE28755	Inf	0.00224801
AT2TE29340	Inf	1.39E-07
AT2TE29450	Inf	1.07E-14
AT2TE38900	Inf	1.08E-20
AT2TE38905	Inf	6.40E-06
AT2TE41090	Inf	2.07E-13
AT2TE42460	Inf	0.004646517
AT2TE45205	Inf	0.000811832
AT2TE45465	Inf	2.47E-47
AT2TE69490	Inf	9.95E-05
AT2TE69630	Inf	1.04E-08
AT2TE73030	Inf	0.009063879
AT2TE78935	Inf	0.000223788
AT2TE78940	Inf	3.74E-12
AT3G10950	Inf	0.000261792
AT3G15250	Inf	0.000601194
AT3G23970	Inf	0.007435742
AT3G25719	Inf	0.000388536
AT3G25720	Inf	8.45E-06
AT3G28410	Inf	2.88E-06
AT3G29638	Inf	0.000299412
AT3G30320	Inf	0.017674757
AT3G30820	Inf	1.46E-59
AT3G30867	Inf	1.99E-15
AT3G31350	Inf	3.22E-24

AT3G31430	Inf	0.014846627
AT3G31908	Inf	7.97E-07
AT3G31950	Inf	0.003015356
AT3G32160	Inf	8.43E-06
AT3G32180	Inf	1.80E-12
AT3G33025	Inf	1.69E-05
AT3G33205	Inf	0.013623801
AT3G33293	Inf	0.020081119
AT3G33393	Inf	0.038952756
AT3G42060	Inf	0.000167463
AT3G42628	Inf	0.016513213
AT3G42723	Inf	1.13E-40
AT3G43150	Inf	7.60E-07
AT3G43290	Inf	0.013101206
AT3G43490	Inf	0.024487477
AT3G43572	Inf	0.001096512
AT3G43574	Inf	1.03E-09
AT3G43826	Inf	2.85E-05
AT3G45510	Inf	8.66E-11
AT3G45800	Inf	0.039633491
AT3G45820	Inf	6.38E-19
AT3G48058	Inf	0.003924473
AT3G49230	Inf	0.007537363
AT3G50320	Inf	0.000188613
AT3G50540	Inf	0.000165447
AT3G53910	Inf	2.07E-12
AT3G54530	Inf	0.005940155
AT3G58550	Inf	0.019808545
AT3TE11850	Inf	0.021912808
AT3TE18050	Inf	0.048114617
AT3TE34420	Inf	1.14E-06
AT3TE34430	Inf	1.23E-17
AT3TE37060	Inf	0.011226697
AT3TE37110	Inf	0.000446853
AT3TE37690	Inf	1.34E-24
AT3TE38565	Inf	0.00071987
AT3TE38995	Inf	0.000573052
AT3TE40135	Inf	0.001080127
AT3TE40145	Inf	4.18E-10
AT3TE40720	Inf	9.64E-06
AT3TE41640	Inf	1.72E-05
AT3TE42280	Inf	0.013175331
AT3TE42490	Inf	0.034022241
AT3TE43545	Inf	0.001776583
AT3TE43745	Inf	6.51E-05
AT3TE44950	Inf	1.28E-66
AT3TE45800	Inf	2.28E-16
AT3TE46015	Inf	4.98E-11
AT3TE46350	Inf	0.00112908

AT3TE47235	Inf	1.03E-61
AT3TE47280	Inf	0.044141755
AT3TE47370	Inf	2.44E-13
AT3TE47560	Inf	0.003491491
AT3TE47595	Inf	0.027023233
AT3TE47605	Inf	0.042650188
AT3TE47620	Inf	1.66E-16
AT3TE47625	Inf	0.00055676
AT3TE47755	Inf	1.54E-05
AT3TE47770	Inf	1.14E-07
AT3TE47775	Inf	2.00E-19
AT3TE47890	Inf	0.020436378
AT3TE48140	Inf	1.86E-11
AT3TE48365	Inf	0.000853826
AT3TE48590	Inf	2.73E-12
AT3TE49110	Inf	0.008901728
AT3TE49190	Inf	0.019214855
AT3TE49420	Inf	7.47E-19
AT3TE49545	Inf	4.27E-07
AT3TE49720	Inf	2.18E-32
AT3TE49725	Inf	7.65E-15
AT3TE50020	Inf	6.34E-36
AT3TE50030	Inf	1.02E-07
AT3TE50035	Inf	8.81E-05
AT3TE50040	Inf	2.75E-06
AT3TE50050	Inf	4.89E-18
AT3TE50055	Inf	0.000123063
AT3TE50120	Inf	9.53E-07
AT3TE50125	Inf	5.93E-19
AT3TE50165	Inf	0.003682742
AT3TE50560	Inf	2.17E-49
AT3TE50650	Inf	6.91E-05
AT3TE50655	Inf	9.78E-62
AT3TE50775	Inf	5.48E-36
AT3TE50875	Inf	0.002713939
AT3TE51285	Inf	0.000846972
AT3TE51290	Inf	1.14E-32
AT3TE51300	Inf	1.63E-54
AT3TE51535	Inf	2.61E-11
AT3TE51590	Inf	0.035668976
AT3TE51620	Inf	0.00368661
AT3TE51630	Inf	1.18E-07
AT3TE51635	Inf	0.042368836
AT3TE51640	Inf	1.02E-05
AT3TE51650	Inf	8.71E-45
AT3TE51670	Inf	4.04E-20
AT3TE51685	Inf	3.06E-05
AT3TE51740	Inf	6.64E-06
AT3TE51810	Inf	3.33E-08



AT3TE51820	Inf	0.00286895
AT3TE51895	Inf	5.83E-16
AT3TE51900	Inf	2.18E-14
AT3TE52020	Inf	4.98E-16
AT3TE52215	Inf	4.87E-09
AT3TE52225	Inf	0.000252263
AT3TE52265	Inf	0.024160987
AT3TE52280	Inf	2.82E-10
AT3TE52300	Inf	1.02E-30
AT3TE52315	Inf	0.044715441
AT3TE52325	Inf	4.58E-23
AT3TE52365	Inf	3.00E-05
AT3TE52415	Inf	0.002621172
AT3TE52445	Inf	1.56E-05
AT3TE52510	Inf	4.56E-10
AT3TE52550	Inf	1.72E-27
AT3TE52630	Inf	6.85E-20
AT3TE52665	Inf	1.57E-32
AT3TE52800	Inf	2.14E-06
AT3TE52805	Inf	0.000123612
AT3TE52935	Inf	6.75E-10
AT3TE53080	Inf	0.002400687
AT3TE53095	Inf	2.61E-18
AT3TE53100	Inf	2.95E-07
AT3TE53130	Inf	0.000345924
AT3TE53195	Inf	0.000823723
AT3TE53490	Inf	0.005335045
AT3TE53495	Inf	1.35E-09
AT3TE53590	Inf	3.02E-08
AT3TE53600	Inf	5.19E-13
AT3TE53615	Inf	8.73E-10
AT3TE53755	Inf	0.005905487
AT3TE53765	Inf	1.30E-08
AT3TE53835	Inf	0.001645392
AT3TE53845	Inf	2.33E-09
AT3TE53850	Inf	2.94E-71
AT3TE53965	Inf	0.015431728
AT3TE54000	Inf	4.14E-63
AT3TE54180	Inf	1.54E-35
AT3TE54185	Inf	5.31E-10
AT3TE54385	Inf	0.000474318
AT3TE54500	Inf	3.83E-18
AT3TE54510	Inf	0.000897679
AT3TE54690	Inf	5.02E-10
AT3TE54695	Inf	8.16E-22
AT3TE54735	Inf	1.96E-45
AT3TE54780	Inf	1.84E-08
AT3TE54815	Inf	1.39E-10
AT3TE54845	Inf	2.24E-18

AT3TE54865	Inf	1.78E-07
AT3TE54985	Inf	6.79E-40
AT3TE55025	Inf	8.85E-17
AT3TE55030	Inf	0.000130709
AT3TE55155	Inf	1.04E-21
AT3TE55160	Inf	1.16E-08
AT3TE55350	Inf	0.010195247
AT3TE55425	Inf	0.000637603
AT3TE55430	Inf	0.045643989
AT3TE55440	Inf	0.001140431
AT3TE56630	Inf	9.95E-07
AT3TE56640	Inf	8.39E-08
AT3TE56710	Inf	0.000126617
AT3TE56730	Inf	0.006321257
AT3TE57090	Inf	5.58E-05
AT3TE57095	Inf	0.000495806
AT3TE57100	Inf	5.51E-05
AT3TE57110	Inf	2.36E-28
AT3TE57160	Inf	0.009309096
AT3TE57165	Inf	0.001387324
AT3TE57215	Inf	0.002604917
AT3TE57275	Inf	8.75E-15
AT3TE57350	Inf	0.031544175
AT3TE57360	Inf	2.35E-40
AT3TE57365	Inf	7.14E-07
AT3TE57435	Inf	0.000187315
AT3TE57445	Inf	4.67E-26
AT3TE57470	Inf	6.44E-16
AT3TE57525	Inf	6.19E-06
AT3TE57550	Inf	0.0085861
AT3TE57555	Inf	0.038704344
AT3TE57565	Inf	1.25E-15
AT3TE57575	Inf	0.009042151
AT3TE57600	Inf	1.13E-15
AT3TE57655	Inf	0.048034459
AT3TE57660	Inf	0.002267193
AT3TE57670	Inf	0.020192678
AT3TE58090	Inf	4.13E-09
AT3TE58495	Inf	2.88E-09
AT3TE58560	Inf	0.000888447
AT3TE58575	Inf	6.91E-13
AT3TE58585	Inf	3.76E-25
AT3TE58590	Inf	0.005226683
AT3TE58605	Inf	4.99E-48
AT3TE58620	Inf	1.67E-35
AT3TE58625	Inf	0.000124273
AT3TE58630	Inf	5.87E-27
AT3TE58655	Inf	8.05E-38
AT3TE58720	Inf	0.040057786

AT3TE58745	Inf	7.10E-05
AT3TE58900	Inf	1.25E-40
AT3TE59040	Inf	1.23E-08
AT3TE59055	Inf	5.03E-05
AT3TE59085	Inf	2.22E-10
AT3TE59105	Inf	2.58E-31
AT3TE59155	Inf	1.70E-16
AT3TE59160	Inf	1.37E-08
AT3TE59290	Inf	1.35E-06
AT3TE59335	Inf	0.002320502
AT3TE59480	Inf	9.58E-08
AT3TE59495	Inf	0.000333611
AT3TE59515	Inf	0.008107248
AT3TE59535	Inf	0.008560524
AT3TE59545	Inf	1.37E-09
AT3TE59580	Inf	8.13E-05
AT3TE59610	Inf	2.69E-36
AT3TE59695	Inf	0.007349038
AT3TE59855	Inf	9.21E-06
AT3TE59880	Inf	2.02E-07
AT3TE59895	Inf	0.013687821
AT3TE60020	Inf	1.77E-11
AT3TE60155	Inf	3.18E-16
AT3TE60190	Inf	0.001355783
AT3TE60205	Inf	4.33E-12
AT3TE60295	Inf	1.05E-07
AT3TE60410	Inf	1.05E-28
AT3TE60465	Inf	3.14E-08
AT3TE60555	Inf	4.78E-25
AT3TE60610	Inf	6.07E-06
AT3TE60915	Inf	0.008107248
AT3TE60925	Inf	0.000141195
AT3TE61015	Inf	0.012168438
AT3TE61020	Inf	0.005632356
AT3TE61070	Inf	3.05E-28
AT3TE61205	Inf	0.01407397
AT3TE61295	Inf	0.004071483
AT3TE61305	Inf	0.037785817
AT3TE61315	Inf	0.000567214
AT3TE61400	Inf	9.42E-07
AT3TE61480	Inf	1.06E-10
AT3TE61530	Inf	5.79E-09
AT3TE61535	Inf	1.41E-18
AT3TE61610	Inf	2.05E-08
AT3TE61640	Inf	4.99E-24
AT3TE62020	Inf	0.044582419
AT3TE62100	Inf	0.013078245
AT3TE62130	Inf	3.57E-14
AT3TE62215	Inf	1.45E-08

AT3TE62260	Inf	2.90E-09
AT3TE62390	Inf	8.24E-40
AT3TE62395	Inf	1.05E-65
AT3TE62450	Inf	0.015869224
AT3TE62455	Inf	1.06E-06
AT3TE62570	Inf	4.55E-32
AT3TE62595	Inf	3.18E-33
AT3TE62655	Inf	8.04E-08
AT3TE62765	Inf	0.000403578
AT3TE62770	Inf	0.027059688
AT3TE62775	Inf	3.32E-07
AT3TE62780	Inf	3.94E-15
AT3TE62940	Inf	8.38E-12
AT3TE63020	Inf	0.000129732
AT3TE63035	Inf	7.75E-42
AT3TE63040	Inf	9.10E-46
AT3TE63165	Inf	4.77E-13
AT3TE63200	Inf	0.038414808
AT3TE63205	Inf	5.11E-15
AT3TE63210	Inf	0.000298945
AT3TE63465	Inf	4.18E-29
AT3TE64770	Inf	4.60E-09
AT3TE65100	Inf	1.68E-09
AT3TE66875	Inf	1.11E-25
AT3TE67295	Inf	4.90E-19
AT3TE67540	Inf	2.32E-16
AT3TE67745	Inf	0.00061943
AT3TE70590	Inf	8.01E-07
AT3TE72005	Inf	0.004307472
AT3TE76405	Inf	0.001579384
AT3TE90545	Inf	2.57E-11
AT3TE90570	Inf	0.000669876
AT3TE92350	Inf	4.97E-10
AT3TE92910	Inf	0.021735873
AT4G03570	Inf	3.66E-20
AT4G03723	Inf	9.54E-23
AT4G03930	Inf	5.79E-06
AT4G03950	Inf	4.24E-41
AT4G04030	Inf	6.49E-36
AT4G04580	Inf	0.038805401
AT4G04653	Inf	5.92E-05
AT4G04775	Inf	0.000334384
AT4G06608	Inf	2.39E-22
AT4G06641	Inf	5.02E-14
AT4G07524	Inf	2.72E-15
AT4G07932	Inf	0.000747846
AT4G08190	Inf	4.18E-10
AT4G09360	Inf	1.52E-06
AT4G10880	Inf	7.71E-06

AT4G15393	Inf	4.66E-09
AT4G18150	Inf	7.20E-55
AT4G19239	Inf	5.55E-38
AT4G20860	Inf	0.008043539
AT4G23210	Inf	1.43E-06
AT4G37070	Inf	0.039590523
AT4TE00230	Inf	0.003909869
AT4TE07395	Inf	0.011508083
AT4TE07415	Inf	0.015422046
AT4TE08260	Inf	0.039670978
AT4TE08435	Inf	8.97E-21
AT4TE08445	Inf	8.04E-27
AT4TE08450	Inf	0.017612917
AT4TE08455	Inf	0.047985414
AT4TE08985	Inf	0.010030978
AT4TE09045	Inf	0.01102519
AT4TE09060	Inf	1.30E-47
AT4TE09095	Inf	0.033887799
AT4TE09130	Inf	0.049426033
AT4TE09135	Inf	4.11E-13
AT4TE09165	Inf	1.06E-05
AT4TE09250	Inf	6.32E-10
AT4TE09385	Inf	2.52E-16
AT4TE09455	Inf	4.52E-07
AT4TE09460	Inf	2.59E-10
AT4TE09480	Inf	1.93E-18
AT4TE09505	Inf	2.13E-21
AT4TE09540	Inf	4.84E-05
AT4TE09545	Inf	0.000122287
AT4TE09550	Inf	0.001835308
AT4TE09560	Inf	3.40E-13
AT4TE09570	Inf	6.71E-26
AT4TE09780	Inf	5.54E-16
AT4TE09810	Inf	4.44E-11
AT4TE09925	Inf	0.041806655
AT4TE10210	Inf	3.44E-43
AT4TE10255	Inf	0.001244445
AT4TE10335	Inf	0.00151095
AT4TE10490	Inf	0.031651071
AT4TE10680	Inf	0.000114747
AT4TE10980	Inf	0.006409951
AT4TE12570	Inf	0.005749482
AT4TE12615	Inf	0.009311206
AT4TE12620	Inf	0.004018714
AT4TE13060	Inf	6.32E-05
AT4TE13065	Inf	0.036079004
AT4TE13070	Inf	5.71E-25
AT4TE13290	Inf	5.97E-06
AT4TE13295	Inf	0.00051878

AT4TE13515	Inf	1.09E-14
AT4TE13555	Inf	0.000155948
AT4TE13565	Inf	1.36E-17
AT4TE13985	Inf	1.68E-11
AT4TE14035	Inf	4.19E-12
AT4TE14065	Inf	0.000160331
AT4TE14130	Inf	1.78E-32
AT4TE14135	Inf	3.00E-21
AT4TE14210	Inf	0.006197241
AT4TE14225	Inf	0.003313515
AT4TE14230	Inf	6.21E-05
AT4TE14240	Inf	4.66E-11
AT4TE14445	Inf	0.000318219
AT4TE14490	Inf	0.001036512
AT4TE15005	Inf	4.29E-09
AT4TE15010	Inf	0.001672727
AT4TE15115	Inf	1.26E-07
AT4TE15190	Inf	0.03625857
AT4TE15195	Inf	0.00044255
AT4TE15260	Inf	2.02E-31
AT4TE15285	Inf	8.50E-44
AT4TE15380	Inf	6.37E-26
AT4TE15415	Inf	5.18E-05
AT4TE15435	Inf	1.03E-29
AT4TE15475	Inf	3.29E-10
AT4TE15490	Inf	0.004673838
AT4TE15495	Inf	0.01301638
AT4TE15500	Inf	1.34E-11
AT4TE15525	Inf	1.67E-12
AT4TE15555	Inf	7.45E-15
AT4TE15585	Inf	1.08E-25
AT4TE15615	Inf	9.00E-07
AT4TE15740	Inf	7.62E-08
AT4TE15745	Inf	2.85E-07
AT4TE15750	Inf	9.25E-19
AT4TE15755	Inf	1.03E-15
AT4TE15835	Inf	1.77E-60
AT4TE15890	Inf	1.10E-42
AT4TE15915	Inf	0.000382708
AT4TE15935	Inf	0.001471801
AT4TE15940	Inf	8.15E-26
AT4TE16150	Inf	4.80E-14
AT4TE16165	Inf	2.91E-09
AT4TE16175	Inf	3.91E-16
AT4TE16210	Inf	0.001840131
AT4TE16230	Inf	2.58E-12
AT4TE16235	Inf	0.00052451
AT4TE16385	Inf	2.09E-22
AT4TE16390	Inf	1.00E-52

AT4TE16480	Inf	0.00088655
AT4TE16510	Inf	9.56E-09
AT4TE16560	Inf	0.007537363
AT4TE16565	Inf	1.94E-69
AT4TE16570	Inf	1.49E-23
AT4TE16750	Inf	5.88E-07
AT4TE16845	Inf	1.91E-09
AT4TE16870	Inf	1.90E-10
AT4TE16980	Inf	0.000224661
AT4TE17065	Inf	0.001111617
AT4TE17075	Inf	0.00055196
AT4TE17240	Inf	2.89E-16
AT4TE17505	Inf	2.17E-06
AT4TE17510	Inf	7.16E-49
AT4TE17520	Inf	6.25E-07
AT4TE17885	Inf	0.001334717
AT4TE17925	Inf	2.48E-08
AT4TE18035	Inf	0.002901697
AT4TE18065	Inf	0.026299639
AT4TE18075	Inf	0.001433504
AT4TE18205	Inf	5.97E-08
AT4TE18220	Inf	0.013532205
AT4TE18330	Inf	4.83E-23
AT4TE18365	Inf	5.46E-19
AT4TE18440	Inf	4.64E-45
AT4TE18500	Inf	2.40E-10
AT4TE18505	Inf	8.83E-06
AT4TE18595	Inf	9.69E-23
AT4TE18615	Inf	7.29E-22
AT4TE18630	Inf	3.72E-37
AT4TE18645	Inf	2.62E-21
AT4TE18665	Inf	2.04E-43
AT4TE18740	Inf	0.031970168
AT4TE18755	Inf	0.005337688
AT4TE18775	Inf	0.001195308
AT4TE18865	Inf	6.76E-09
AT4TE18995	Inf	0.000732478
AT4TE19055	Inf	0.019527874
AT4TE19135	Inf	1.25E-13
AT4TE19380	Inf	0.000578612
AT4TE19405	Inf	3.40E-11
AT4TE19530	Inf	2.20E-05
AT4TE19655	Inf	1.16E-12
AT4TE19755	Inf	0.026371352
AT4TE19780	Inf	5.03E-09
AT4TE19825	Inf	0.01102519
AT4TE19830	Inf	0.005565753
AT4TE19850	Inf	0.000238224
AT4TE19885	Inf	0.002152561

AT4TE19905	Inf	2.67E-14
AT4TE20085	Inf	9.10E-09
AT4TE20385	Inf	3.89E-05
AT4TE20540	Inf	0.009536884
AT4TE20805	Inf	1.03E-06
AT4TE20920	Inf	0.000196691
AT4TE20930	Inf	0.031346627
AT4TE20975	Inf	0.0003377
AT4TE20990	Inf	0.02085809
AT4TE21140	Inf	0.002313788
AT4TE21180	Inf	6.18E-27
AT4TE21185	Inf	4.16E-07
AT4TE21520	Inf	0.001116132
AT4TE21540	Inf	0.023452635
AT4TE22970	Inf	3.28E-37
AT4TE23195	Inf	0.024683365
AT4TE23425	Inf	1.21E-11
AT4TE23735	Inf	0.005446456
AT4TE23825	Inf	1.14E-24
AT4TE24480	Inf	0.013261812
AT4TE24825	Inf	0.001563125
AT4TE25025	Inf	3.16E-09
AT4TE25590	Inf	2.11E-09
AT4TE28870	Inf	9.75E-09
AT4TE32055	Inf	0.046447348
AT4TE39815	Inf	1.52E-33
AT4TE40115	Inf	0.002843033
AT4TE44395	Inf	6.50E-13
AT4TE44400	Inf	1.70E-05
AT4TE45190	Inf	4.74E-20
AT4TE46310	Inf	2.11E-41
AT4TE47620	Inf	3.76E-07
AT4TE54700	Inf	1.99E-05
AT4TE80960	Inf	0.00392763
AT5G01080	Inf	8.05E-49
AT5G07570	Inf	6.39E-08
AT5G13900	Inf	0.047985414
AT5G15420	Inf	3.51E-18
AT5G24480	Inf	4.11E-52
AT5G26840	Inf	0.001992239
AT5G27340	Inf	8.37E-05
AT5G28052	Inf	7.99E-40
AT5G28090	Inf	6.99E-13
AT5G28550	Inf	0.004602667
AT5G28560	Inf	7.65E-15
AT5G28780	Inf	0.005396706
AT5G28800	Inf	3.35E-30
AT5G28823	Inf	3.44E-30
AT5G28824	Inf	1.18E-42



AT5G29050	Inf	0.019404552
AT5G29807	Inf	9.48E-15
AT5G30420	Inf	1.69E-39
AT5G32471	Inf	2.09E-22
AT5G32613	Inf	6.22E-41
AT5G33210	Inf	6.75E-10
AT5G33310	Inf	1.78E-58
AT5G33806	Inf	3.33E-19
AT5G33898	Inf	2.75E-07
AT5G34581	Inf	0.03919878
AT5G34832	Inf	0.011755739
AT5G34848	Inf	4.62E-05
AT5G35050	Inf	0.000261231
AT5G35120	Inf	2.16E-09
AT5G35375	Inf	1.04E-39
AT5G35603	Inf	1.22E-19
AT5G35796	Inf	1.54E-11
AT5G35890	Inf	1.25E-30
AT5G35932	Inf	1.50E-20
AT5G36228	Inf	1.37E-15
AT5G37560	Inf	0.041748436
AT5G40430	Inf	1.08E-05
AT5G44585	Inf	0.024154649
AT5G48860	Inf	5.26E-05
AT5G56920	Inf	0.031291437
AT5G60560	Inf	2.11E-05
AT5TE00230	Inf	4.38E-46
AT5TE00870	Inf	0.012078124
AT5TE08220	Inf	3.23E-56
AT5TE08870	Inf	2.22E-07
AT5TE14165	Inf	0.001288187
AT5TE15640	Inf	6.07E-30
AT5TE15645	Inf	0.030822428
AT5TE18895	Inf	8.90E-26
AT5TE18900	Inf	1.27E-12
AT5TE26805	Inf	7.49E-26
AT5TE29520	Inf	0.008004283
AT5TE32880	Inf	2.88E-05
AT5TE34435	Inf	5.73E-13
AT5TE34730	Inf	3.30E-51
AT5TE34960	Inf	1.25E-24
AT5TE35185	Inf	5.49E-23
AT5TE35205	Inf	0.001770898
AT5TE35240	Inf	0.006924652
AT5TE35260	Inf	3.50E-23
AT5TE35265	Inf	6.84E-49
AT5TE35705	Inf	0.005905487
AT5TE36160	Inf	3.21E-12
AT5TE36235	Inf	4.82E-17

AT5TE36330	Inf	1.60E-08
AT5TE36335	Inf	1.26E-31
AT5TE36620	Inf	1.40E-43
AT5TE36720	Inf	2.42E-13
AT5TE36725	Inf	1.90E-09
AT5TE36730	Inf	4.80E-08
AT5TE36735	Inf	3.53E-05
AT5TE36805	Inf	3.05E-31
AT5TE36825	Inf	3.63E-17
AT5TE36840	Inf	0.000302717
AT5TE36845	Inf	8.40E-12
AT5TE36975	Inf	9.64E-06
AT5TE37665	Inf	3.40E-35
AT5TE37825	Inf	3.21E-12
AT5TE38025	Inf	6.00E-05
AT5TE38280	Inf	3.97E-10
AT5TE38345	Inf	0.026348928
AT5TE38350	Inf	2.12E-07
AT5TE38370	Inf	0.011226697
AT5TE38615	Inf	1.94E-63
AT5TE38635	Inf	0.000223788
AT5TE38650	Inf	0.000111287
AT5TE38710	Inf	0.004642926
AT5TE38945	Inf	1.54E-13
AT5TE38995	Inf	0.02205143
AT5TE39045	Inf	1.94E-11
AT5TE39085	Inf	1.11E-12
AT5TE39090	Inf	5.73E-43
AT5TE39275	Inf	1.46E-08
AT5TE39295	Inf	0.001042462
AT5TE39320	Inf	2.24E-21
AT5TE39415	Inf	2.45E-09
AT5TE39420	Inf	1.98E-15
AT5TE39560	Inf	0.005065949
AT5TE39850	Inf	7.29E-20
AT5TE40080	Inf	0.043368744
AT5TE40085	Inf	0.02499153
AT5TE40105	Inf	7.23E-05
AT5TE40120	Inf	0.000419861
AT5TE40130	Inf	1.49E-06
AT5TE40195	Inf	1.49E-06
AT5TE40235	Inf	0.004015463
AT5TE40310	Inf	6.24E-18
AT5TE40380	Inf	1.51E-09
AT5TE40410	Inf	0.028196442
AT5TE40505	Inf	5.76E-23
AT5TE40520	Inf	1.26E-07
AT5TE40530	Inf	1.62E-06
AT5TE40570	Inf	0.004091287

AT5TE40580	Inf	4.09E-10
AT5TE40835	Inf	6.57E-14
AT5TE41090	Inf	1.75E-09
AT5TE41135	Inf	5.25E-11
AT5TE41185	Inf	1.52E-08
AT5TE41265	Inf	7.64E-41
AT5TE41270	Inf	1.23E-20
AT5TE41315	Inf	2.00E-16
AT5TE41320	Inf	1.51E-09
AT5TE41325	Inf	8.34E-12
AT5TE41355	Inf	2.45E-07
AT5TE41360	Inf	0.000106507
AT5TE41395	Inf	1.56E-05
AT5TE41545	Inf	0.012144542
AT5TE41550	Inf	0.000141774
AT5TE41600	Inf	2.88E-16
AT5TE41610	Inf	2.65E-05
AT5TE41615	Inf	6.31E-17
AT5TE41780	Inf	0.0239003
AT5TE41815	Inf	0.029838812
AT5TE41825	Inf	0.000156029
AT5TE41900	Inf	0.022447916
AT5TE42030	Inf	0.001350076
AT5TE42040	Inf	1.15E-06
AT5TE42190	Inf	3.75E-05
AT5TE42250	Inf	6.86E-35
AT5TE42265	Inf	1.13E-26
AT5TE42345	Inf	1.50E-18
AT5TE42680	Inf	9.34E-18
AT5TE42855	Inf	2.79E-09
AT5TE42865	Inf	3.77E-26
AT5TE42900	Inf	2.27E-34
AT5TE42915	Inf	1.99E-07
AT5TE42930	Inf	2.86E-06
AT5TE42935	Inf	0.009078037
AT5TE42985	Inf	1.09E-06
AT5TE43045	Inf	0.000179344
AT5TE43060	Inf	2.11E-36
AT5TE43075	Inf	1.66E-27
AT5TE43190	Inf	2.75E-43
AT5TE43205	Inf	3.76E-11
AT5TE43215	Inf	2.25E-44
AT5TE43235	Inf	0.033319879
AT5TE43240	Inf	1.55E-30
AT5TE43255	Inf	1.04E-34
AT5TE43290	Inf	0.00194517
AT5TE43300	Inf	0.000486428
AT5TE43310	Inf	0.000106516
AT5TE43315	Inf	1.55E-21

AT5TE43350	Inf	8.89E-15
AT5TE43365	Inf	0.004104226
AT5TE43375	Inf	3.89E-27
AT5TE43400	Inf	2.78E-10
AT5TE43520	Inf	4.50E-08
AT5TE43575	Inf	2.47E-29
AT5TE43630	Inf	4.41E-12
AT5TE43635	Inf	5.82E-23
AT5TE43765	Inf	5.34E-09
AT5TE43800	Inf	3.66E-50
AT5TE43825	Inf	4.81E-32
AT5TE43905	Inf	1.28E-12
AT5TE43990	Inf	2.01E-07
AT5TE44070	Inf	6.13E-09
AT5TE44110	Inf	1.26E-11
AT5TE44205	Inf	3.42E-05
AT5TE44255	Inf	5.07E-06
AT5TE44360	Inf	0.000193176
AT5TE44370	Inf	7.29E-05
AT5TE44555	Inf	0.000103139
AT5TE44745	Inf	0.000964706
AT5TE44750	Inf	6.72E-23
AT5TE44850	Inf	0.041377986
AT5TE44895	Inf	0.003686279
AT5TE44940	Inf	1.20E-08
AT5TE44960	Inf	3.42E-08
AT5TE45000	Inf	4.17E-14
AT5TE45020	Inf	1.97E-09
AT5TE45055	Inf	7.71E-16
AT5TE45060	Inf	2.38E-16
AT5TE45065	Inf	8.90E-17
AT5TE45075	Inf	0.03016239
AT5TE45080	Inf	4.44E-22
AT5TE45090	Inf	5.37E-07
AT5TE45100	Inf	0.004929085
AT5TE45105	Inf	0.013336623
AT5TE45110	Inf	0.002433383
AT5TE45115	Inf	0.000446103
AT5TE45895	Inf	1.24E-14
AT5TE45905	Inf	4.92E-16
AT5TE46040	Inf	4.64E-21
AT5TE46045	Inf	1.59E-17
AT5TE46090	Inf	0.010353455
AT5TE46100	Inf	2.55E-24
AT5TE46120	Inf	6.65E-09
AT5TE46160	Inf	2.79E-13
AT5TE46235	Inf	3.04E-19
AT5TE46250	Inf	0.002159152
AT5TE46255	Inf	3.86E-05

AT5TE46265	Inf	0.003883423
AT5TE46310	Inf	0.013107356
AT5TE46355	Inf	0.013704612
AT5TE46365	Inf	0.042446708
AT5TE46415	Inf	0.041896112
AT5TE46440	Inf	9.80E-06
AT5TE46490	Inf	0.00073194
AT5TE46515	Inf	7.68E-07
AT5TE46800	Inf	0.000169212
AT5TE46815	Inf	1.46E-06
AT5TE46850	Inf	2.56E-14
AT5TE46910	Inf	7.11E-69
AT5TE46970	Inf	0.000552847
AT5TE47085	Inf	0.043639488
AT5TE47115	Inf	2.16E-26
AT5TE47155	Inf	2.89E-24
AT5TE47395	Inf	8.63E-06
AT5TE47465	Inf	0.005509875
AT5TE47475	Inf	9.11E-09
AT5TE47505	Inf	2.40E-18
AT5TE47520	Inf	1.65E-39
AT5TE47990	Inf	0.016609865
AT5TE48195	Inf	3.72E-29
AT5TE49130	Inf	4.41E-43
AT5TE49765	Inf	3.55E-06
AT5TE50115	Inf	5.41E-09
AT5TE50150	Inf	1.24E-17
AT5TE50490	Inf	0.005141138
AT5TE50960	Inf	9.29E-62
AT5TE50990	Inf	0.014742159
AT5TE50995	Inf	0.001115047
AT5TE51000	Inf	9.51E-14
AT5TE52345	Inf	9.20E-10
AT5TE52795	Inf	1.83E-07
AT5TE52845	Inf	5.88E-38
AT5TE54505	Inf	7.08E-09
AT5TE54510	Inf	6.08E-39
AT5TE54515	Inf	2.56E-24
AT5TE54520	Inf	0.000686977
AT5TE55155	Inf	2.01E-05
AT5TE55160	Inf	0.00019976
AT5TE55925	Inf	2.51E-08
AT5TE56030	Inf	0.001812775
AT5TE57495	Inf	4.26E-38
AT5TE57500	Inf	0.022447916
AT5TE61740	Inf	2.28E-24
AT5TE62545	Inf	5.51E-14
AT5TE66505	Inf	2.37E-18
AT5TE66550	Inf	0.018396797

AT5TE68140	Inf	0.000290382
AT5TE72235	Inf	0.006147289
AT5TE74320	Inf	5.08E-28
AT5TE81385	Inf	3.33E-22
AT5TE86415	Inf	0.006311652
AT5TE95120	Inf	2.06E-09