

row	S.B.1	S.B.2	S.B.3	H.B.1	H.B.2	H.B.3
1 Rrp0680	1.8E+08	1.99E+08	1.92E+08	8.45E+08	8.16E+08	7.29E+08
2 Rrp0681	1.88E+08	2.01E+08	1.88E+08	8.01E+08	8.01E+08	7.42E+08
3 Rrp0679	1.79E+08	1.98E+08	1.91E+08	8.02E+08	7.76E+08	7.33E+08
4 Rrp0686	1.78E+08	2.01E+08	1.82E+08	8.18E+08	7.73E+08	6.89E+08
5 Rrp0668	4.09E+08	4.12E+08	3.89E+08	9.74E+08	8.77E+08	8.62E+08
6 Rrp0547	3.55E+08	3.83E+08	3.67E+08	8.69E+08	8.27E+08	8.05E+08
7 Rrp0669	4.25E+08	4.54E+08	4.2E+08	9.29E+08	8.94E+08	8.63E+08
8 Rrp0165	1.33E+09	1.24E+09	1.27E+09	9.59E+08	9.21E+08	9.09E+08
9 Rrp0546	5.07E+08	5.61E+08	4.62E+08	8.45E+08	7.72E+08	8.24E+08
10 Rrp0522	8.98E+08	9.3E+08	8.83E+08	7.33E+08	7.18E+08	7.29E+08
11 Rrp0228	2.92E+08	3.26E+08	3.01E+08	1.56E+08	1.44E+08	1.45E+08
12 Rrp0530	20533690	21731365	20313476	1.84E+08	1.65E+08	1.38E+08
13 Rrp0654	46241179	49500642	45751697	1.63E+08	1.29E+08	1.56E+08
14 Rrp0529	5.93E+08	6.14E+08	5.54E+08	5.19E+08	4.19E+08	4.92E+08
15 Rrp0359	9.65E+08	1E+09	9.58E+08	8.9E+08	8.74E+08	8.77E+08
16 Rrp0655	46177123	49699437	49890635	1.53E+08	1.36E+08	1.26E+08
17 Rrp0366	1.13E+08	1.17E+08	1.06E+08	2.16E+08	1.97E+08	1.93E+08
18 Rrp0321	99717396	1.07E+08	1.04E+08	19317875	18606192	17979898
19 Rrp0582	1.04E+08	1.09E+08	99678254	2.04E+08	1.8E+08	1.86E+08
20 Rrp0361	9.36E+08	9.94E+08	9.53E+08	8.74E+08	8.77E+08	8.84E+08
21 Rrp0305	15012776	11792211	12644959	89451639	83499310	80105794
22 Rrp0684	1.54E+08	1.47E+08	1.49E+08	2.3E+08	2.26E+08	2.05E+08
23 Rrp0692	3081128	3087581	2981126	70329705	75236709	66592677
24 Rrp0674	1.35E+08	1.45E+08	1.28E+08	2.09E+08	2.08E+08	1.96E+08
25 Rrp0549	10995671	12652246	11738123	82067652	76892796	71171523
26 Rrp0055	2.16E+08	2.07E+08	1.93E+08	1.7E+08	1.53E+08	1.52E+08
27 Rrp0651	79398706	76952585	73519483	1.37E+08	1.21E+08	1.1E+08
28 Rrp0481	62598565	71587400	60452809	25237459	24618633	21051462
29 Rrp0480	60578809	67558232	58101062	24664702	23251554	21959528
30 Rrp0386	2.06E+08	2.28E+08	2.13E+08	1.91E+08	1.78E+08	1.59E+08
31 Rrp0509	4724787	5300691	4742571	41107844	32867461	30913945
32 Rrp0293	12243032	12379279	12441131	42914643	36681906	37225433
33 Rrp0688	32234917	33089459	29757530	8709275	9447801	8065156
34 Rrp0517	35497130	35614272	39579309	17880488	16781230	15311045
35 Rrp0098	52226281	50653316	52049210	33147222	34601615	35086378
36 Rrp0652	2.43E+08	2.64E+08	2.6E+08	2.96E+08	2.77E+08	2.64E+08
37 Rrp0538	1.18E+09	1.18E+09	1.19E+09	1.16E+09	1.16E+09	1.17E+09
38 Rrp0096	48816800	48346047	47660163	29491594	32276563	32391441
39 Rrp0670	30383988	27895761	31179946	52189029	47046713	40614719
40 Rrp0598	5206024	6004213	5101111	22265662	19544313	19189988
41 Rrp0515	12670245	12458994	11406557	30253308	26031413	25203645
42 Rrp0148	42337533	48053581	41177044	31123220	27404838	27819945
43 Rrp0554	52579595	41034863	32017208	57029362	61449276	56607152
44 Rrp0510	30580477	32426288	29318711	20084531	18323861	18790634
45 Rrp0511	9037669	8433704	9959348	21030862	19717823	20469811
46 Rrp0512	28661767	30503458	27405107	18564294	17378327	16872199
47 Rrp0600	4228829	5720100	4918109	15894992	14514977	16240176
48 Rrp0507	25381432	26735205	26659048	15355222	16396995	15494959
49 Rrp0122	33509336	31038697	29062582	21946513	19935698	19479798
50 Rrp0664	2.53E+08	2.61E+08	2.5E+08	2.54E+08	2.38E+08	2.27E+08
51 Rrp0333	1.37E+08	1.29E+08	1.33E+08	1.41E+08	1.44E+08	1.47E+08
52 Rrp0672	439420.8	473370.1	530514.4	10924577	11157571	9746623

53 Rrp0455	34158231	32983673	29465242	49032398	40134717	41911695
54 Rrp0368	8712443	7909645	7436440	21995525	18411337	14689356
55 Rrp0513	3892734	4625084	3653517	14962629	12569212	13320335
56 Rrp0564	202723.3	209278.9	230061.2	9302177	8461343	8062043
57 Rrp0673	6381186	6657657	6006031	15691480	15368588	13289107
58 Rrp0229	13737010	16066473	12496424	6742584	5460122	5541901
59 Rrp0665	21553457	21570066	19415922	28923171	30603578	27262192
60 Rrp0685	3365162	4335036	3536279	13174792	11656394	10222459
61 Rrp0508	3239876	3718753	3063969	12505367	10208081	10414756
62 Rrp0514	12073098	7434869	7879544	22919966	16126459	14349519
63 Rrp0339	31506782	30537287	36399858	42799206	38741997	41058107
64 Rrp0569	5386791	5556825	5537948	14395103	11826139	12023177
65 Rrp0649	17261698	19923593	182771.1	21127518	22328121	27541190
66 Rrp0456	33188695	39014024	33723883	46317084	44069800	40001041
67 Rrp0143	20632812	22496614	19815123	16015431	12833025	13030477
68 Rrp0328	1070882	1361157	1356566	7144047	7994846	7346854
69 Rrp0223	61567775	55206982	62771206	68117046	65430942	67414158
70 Rrp0568	8352769	10232486	8297283	16533399	14704398	14071056
71 Rrp0648	1525262	11586839	14484181	1416515	1123100	1071205
72 Rrp0440	2.57E+08	2.2E+08	2.03E+08	2.24E+08	1.99E+08	2.15E+08
73 Rrp0190	76877.81	769925.7	972994.1	5861573	5799633	7241871
74 Rrp0102	42810675	40599902	42725311	35555468	35854048	37366235
75 Rrp0690	360220.7	428813.4	458642.7	6773046	5641935	5504288
76 Rrp0754	21275125	20880186	19646907	15053851	10710269	17390269
77 Rrp0643	4331493	5276596	4966712	11957976	9556306	9803971
78 Rrp0112	14143793	15317965	15003918	24591446	19880125	18449898
79 Rrp0626	2656207	3006290	2517333	7951360	7824552	8111333
80 Rrp0565	7931537	7947402	7843035	14479759	12654780	12381677
81 Rrp0466	857527	1000919	764948.4	6554257	5962311	5474152
82 Rrp0047	1202283	1242262	1069801	6548997	5604490	5586187
83 Rrp0467	846504.6	904601.3	737409.3	4376725	5910162	5528646
84 Rrp0720	426478.7	434447.8	392611	5511669	4283752	4403416
85 Rrp0640	5905979	5025357	4245967	10720783	8545506	9447287
86 Rrp0641	248970.2	245225.7	267541.9	4560040	4102389	4180553
87 Rrp0650	2362255	2513002	2897046	6421069	5686181	8377413
88 Rrp0383	8.98E+08	8.91E+08	8.85E+08	9.02E+08	8.99E+08	8.91E+08
89 Rrp0438	1.69E+08	1.91E+08	1.96E+08	2.15E+08	1.7E+08	2.06E+08
90 Rrp0008	8974405	8865625	8960643	12219238	12234557	12993511
91 Rrp0464	16720974	1330075	13018597	17842448	14877491	16463925
92 Rrp0402	1464492	1575892	58050.77	4953633	4061280	4278621
93 Rrp0197	14389165	14528459	14833104	11504373	11172381	11693660
94 Rrp0474	7956968	9867408	8292391	6096245	4776096	5662908
95 Rrp0527	5.08E+08	5.4E+08	5.04E+08	5.27E+08	4.91E+08	5.07E+08
96 Rrp0644	14792826	17700130	15677614	12775224	13901851	11372778
97 Rrp0121	4968504	4778388	4996683	2052054	2166772	2176951
98 Rrp0164	4040537	3963825	4364358	1525706	1395734	1231574
99 Rrp0191	9839478	10271128	9223700	7520830	7105935	6211671
100 Rrp0453	4605049	4571413	3847472	1775941	1668118	1505016
101 Rrp0090	1.02E+08	97215512	1.04E+08	1.04E+08	1.12E+08	1.01E+08
102 Rrp0452	4162171	3732208	3684145	1308680	1252742	1241561
103 Rrp0119	13572818	15834558	13441181	12336455	11267573	10138020
104 Rrp0696	1758056	1790673	1785393	4430974	3737630	4811918
105 Rrp0678	4617157	4032106	4062747	6714076	7082173	6283280

106 Rrp0087	14830846	17727872	18650552	22673803	20234038	18348381
107 Rrp0160	3552541	4682049	3492397	1541105	1401104	1339378
108 Rrp0548	1217307	1461207	1096239	3464630	3560986	3805461
109 Rrp0661	2124921	2336028	1991769	4898908	4218078	4300078
110 Rrp0406	1853196	2875569	2607639	5301388	4520208	4459002
111 Rrp0454	2949732	3577691	3443476	1269545	932456.4	1299136
112 Rrp0465	2204563	2041989	2138020	4484304	4436378	3887882
113 Rrp0606	40969736	45421448	37029250	34668841	38990314	38754383
114 Rrp0026	19329250	18568081	18763439	17074790	16151635	16974960
115 Rrp0100	500423.6	526691.4	430872.3	2931881	2511324	2257832
116 Rrp0103	23039145	21405295	22146033	24419613	24433183	24235449
117 Rrp0683	1144495	780303.5	630249.4	3335948	2664609	2656635
118 Rrp0404	1791689	1788272	1612009	3509001	3939051	3568176
119 Rrp0327	320128.9	351100.3	397943.7	2526038	2121626	2120377
120 Rrp0171	5165367	5048484	4946325	3395125	3107779	3045638
121 Rrp0701	1318952	1433100	1299920	3334636	3081256	3185791
122 Rrp0422	377223.4	310631.6	441788.9	2218957	2121244	2250179
123 Rrp0540	23588.16	35740.32	33695.72	25140.24	3447077	4093787
124 Rrp0755	7789279	8884633	8525212	7083339	6320299	6216172
125 Rrp0523	52382.02	483523	58201.58	792567.8	7690258	823747.9
126 Rrp0311	4719026	4730678	4168978	3957278	1854292	1782155
127 Rrp0363	471707	465870.4	502382.1	2374273	1982665	2010872
128 Rrp0528	1.45E+08	1.64E+08	1.49E+08	1.65E+08	1.31E+08	1.44E+08
129 Rrp0493	1257686	1264726	1111246	2899180	3722481	2246686
130 Rrp0332	3026952	3348967	3252100	1750797	1574630	1443552
131 Rrp0676	600164.1	687675	726058.2	2244071	2038696	2113532
132 Rrp0567	10377193	8004135	9807566	7796513	7459152	7334287
133 Rrp0306	3263701	3821499	3725688	5523125	4714535	5212945
134 Rrp0610	11254424	13550553	10541572	10254933	9955343	9447967
135 Rrp0324	3660293	4299819	3607363	7259921	6425360	3796032
136 Rrp0309	3801179	5265932	4402597	7422372	5055998	6651272
137 Rrp0188	7.52E+08	7.26E+08	7.57E+08	7.81E+08	7.35E+08	7.39E+08
138 Rrp0201	1792206	1684017	1630564	425414.3	369715.1	399817.7
139 Rrp0014	2.41E+08	2.55E+08	2.36E+08	2.61E+08	2.46E+08	2.38E+08
140 Rrp0115	2016432	1997113	1907327	815115.4	611605.3	786187.6
141 Rrp0415	782407.3	931359.5	845817	2447657	1964306	1882653
142 Rrp0174	208063.2	292023.5	255310.8	1579557	1575419	1195775
143 Rrp0645	23597728	24815347	21212982	27471358	26244034	22564252
144 Rrp0072	7334591	8748777	6433411	9475990	8801358	8973217
145 Rrp0431	894002.3	997818	1061288	1895643	1559193	4810082
146 Rrp0541	148231.9	237015.1	211280.6	2181705	1123197	936650.1
147 Rrp0532	609270.8	520458	660525.2	1955002	1644607	1341043
148 Rrp0764	318853.2	360193.4	339598.5	1523945	1165651	1363457
149 Rrp0075	2250196	2427321	2356192	1539074	1333561	1100350
150 Rrp0436	273789.9	391648.4	389498.4	1359521	1232482	1373125
151 Rrp0205	2200693	2444764	2136358	1295093	1269774	1341899
152 Rrp0330	1180171	1284220	1050003	243055.8	264521.4	169593.1
153 Rrp0388	1342771	1452223	1216029	441608.8	397012.7	380983.5
154 Rrp0036	2505397	2445169	2619960	1885846	1389292	1503752
155 Rrp0318	20486828	22506404	20162869	25977128	21629334	21133966
156 Rrp0519	609002.2	582770	642440.6	1372469	1549181	1447808
157 Rrp0319	19868592	22139226	19616120	24679373	20972334	21059489
158 Rrp0074	2053521	2210654	1935687	1473137	982978.6	1159523

159 Rrp0242	51231.49	28554.66	40648.17	881673.1	801450.6	829619.3
160 Rrp0278	2007157	1971953	1926234	3112901	2684171	2515174
161 Rrp0607	2320079	2398763	2272309	1653754	1568650	1547102
162 Rrp0441	13347996	15172975	13606565	17026811	13560065	15907148
163 Rrp0531	395735.7	175905.3	651699.7	950930.5	1072831	1761600
164 Rrp0063	4836411	5562603	5165166	4773030	4046418	4198491
165 Rrp0334	961717.3	956711	904126.6	271890.4	260229.9	183407
166 Rrp0317	20405634	21989760	20125184	24437912	21904776	20386518
167 Rrp0088	2393473	2598604	2259756	1703045	1799311	1691275
168 Rrp0238	83882.24	77900.47	4474316	149969.8	12836.89	98927.3
169 Rrp0038	328633.9	289088.5	343697.9	1221346	866182	806366.4
170 Rrp0060	4760695	5204071	4828939	4435836	4320224	3953400
171 Rrp0586	716707.3	807602	759126.5	1483522	1069027	1933307
172 Rrp0185	2646430	2623249	2345881	3775971	3054645	2955543
173 Rrp0011	1.16E+08	1.17E+08	1.12E+08	1.24E+08	1.15E+08	1.13E+08
174 Rrp0329	743922.9	669033.2	602735.9	99895.59	98474.42	88373
175 Rrp0577	430814.8	612171	524006	1186586	975692.2	1115749
176 Rrp0065	5110913	5658706	5092937	5128861	4365473	4177959
177 Rrp0208	707407	880296.1	802378.6	235774.5	251531.8	289461.3
178 Rrp0158	3681752	4108185	3767042	3529882	3066600	3100510
179 Rrp0097	424612.6	390209.1	390862.7	962184.8	957680.6	829715.2
180 Rrp0588	3779815	4250080	3249978	3098178	3149580	3060656
181 Rrp0675	101145.5	78261.5	98008.51	695622	525127.5	523353.4
182 Rrp0150	143908.6	94964.84	40674.34	632487.3	468046.4	683575.9
183 Rrp0728	658075	568484.2	581464.9	119728.8	128703.9	124336.6
184 Rrp0667	26671.04	28829.89	28191.28	525697.8	479325.7	476638.3
185 Rrp0159	3084434	3382062	2920414	3664164	3581021	3711206
186 Rrp0312	1458106	794617.7	793606.9	694740.3	249740.6	318445.2
187 Rrp0044	2997063	3971865	2156228	2511191	2133269	2256744
188 Rrp0256	629489.9	610314	699124.3	214240.6	170321	203127
189 Rrp0417	3199168	2820129	3213092	2863217	2375075	2304895
190 Rrp0251	671915.9	536897	629869.7	1020267	1130367	987375.5
191 Rrp0725	1285193	144239.7	1130981	208815.7	196170.6	204895.3
192 Rrp0392	9998079	11295916	9641719	10464820	9004705	9087064
193 Rrp0489	35563933	38355692	33474449	37190108	32240735	34285451
194 Rrp0192	5435191	5658370	5727372	6462184	6317327	5640915
195 Rrp0181	2081640	1928242	2509837	1865424	1809842	1034382
196 Rrp0753	14765975	9935413	13031602	13492401	9754759	10886556
197 Rrp0630	345836.6	327190.6	335044.1	706544	766129.9	649722
198 Rrp0046	2655298	3375088	2703165	2526740	2339604	2380074
199 Rrp0742	835867.1	1127442	1325976	659266.4	670633.7	655563.3
200 Rrp0617	85649.62	81873.45	94420.13	505022	379047.9	456933.9
201 Rrp0357	117185.8	182683.7	261093.3	2335093	307918.3	144121.8
202 Rrp0345	16617567	21958667	19588086	19149071	17742516	18113366
203 Rrp0490	2281428	3106122	2509202	3494612	3124053	2857378
204 Rrp0219	334302.7	298016.5	493328.4	462978.3	1215752	811362.9
205 Rrp0381	1345858	1660249	1516409	2016581	2101086	1641622
206 Rrp0697	3151893	4212152	3800334	4341987	4092240	4293862
207 Rrp0214	72746.34	72811.61	67306.95	38763.05	1777672	223096.2
208 Rrp0042	623900.8	626271.5	606988.7	389813.5	276498.1	289833.4
209 Rrp0390	1454208	1452511	1406202	1136230	1180202	1117800
210 Rrp0581	338854.3	382599.7	312233.7	613972.7	677450.6	601215.9
211 Rrp0370	491109.5	551664.3	558825.4	828140.5	844110.2	766490.7

212 Rrp0743	1974509	1978998	2086490	1578038	1637964	1888126
213 Rrp0212	1032417	964402.2	1049852	752531.2	713552.6	778908.2
214 Rrp0040	531037.6	627527.9	508128	350242.9	265528.7	221340.3
215 Rrp0545	15775662	16990815	14386485	17877180	16103747	15489504
216 Rrp0376	127550.3	68343.28	22787.05	492527.4	334610.4	255769.9
217 Rrp0492	276803.9	256184.9	197034.3	435265.2	506779.8	625372.6
218 Rrp0647	238024.1	246334.7	196073.8	495583	535074.6	418773.4
219 Rrp0213	597455	556243.6	509950.6	291984.4	288170.8	334347
220 Rrp0449	423096.1	440872.6	374462.3	215879.3	168287.2	152905.3
221 Rrp0409	287345.6	260390.6	304099.8	504420.2	520440.8	510661.9
222 Rrp0638	1234375	1175982	1201512	1377693	1472927	1468624
223 Rrp0031	3254030	3322051	3179125	3562774	3521445	3419449
224 Rrp0752	78131.99	81086.15	64536.16	146488.7	154622	1289033
225 Rrp0133	986704.8	908566.9	1004648	708372.5	743217.2	775916.6
226 Rrp0621	212395.9	367486.3	298457.5	73721.75	76891.81	70108.89
227 Rrp0280	367158.4	265579.3	239405.9	81253.43	68196.02	77723.32
228 Rrp0078	279676.4	405340	316730.9	862147	485493.7	488265.9
229 Rrp0572	650509.9	631316.6	612818.4	897437.9	747646.6	941384.8
230 Rrp0108	1301134	1430053	1372574	1168679	1104468	1198568
231 Rrp0350	324824.4	363421.3	286876.5	163817.3	115588.8	88540.88
232 Rrp0408	100476.3	158896.1	170248.4	371344.2	367665.7	294078.3
233 Rrp0130	1930913	2067698	1727880	1748622	1527104	1698799
234 Rrp0052	481534.4	462128.1	478619.5	791011.1	653908.6	611342.6
235 Rrp0067	352131.7	292884.1	384042.5	151788.9	132529.2	154949.2
236 Rrp0658	5991327	5887764	5894947	7565411	6167777	5489791
237 Rrp0585	2061064	2401323	1995657	2117717	1751307	1727878
238 Rrp0714	8330586	7210287	7470238	8763564	6091457	6376701
239 Rrp0270	493448.7	514525.2	454443.1	682555.8	649256.1	663617.4
240 Rrp0379	67132.35	70775.31	60280.2	212830.7	236287.6	277595.3
241 Rrp0053	510580.4	639975.4	522561.8	395701.5	378877	342833.9
242 Rrp0589	3867364	3352522	3480193	3523166	3087763	3226496
243 Rrp0028	3077473	3047821	3212902	3527111	3123458	3436517
244 Rrp0562	73146.06	1021720	73865.11	56725.44	54800	52892.57
245 Rrp0265	439554.2	434588.1	348193	644556.7	627740.4	497789
246 Rrp0613	303595.8	355082.7	361563.6	482906.8	517753.7	491796.6
247 Rrp0349	3722149	5232695	540049.3	5575338	559674.3	6286858
248 Rrp0758	16374.45	31712.62	10940.16	179025.1	161184.1	179392
249 Rrp0169	606678.9	636155.1	607707.7	523746.1	430021.9	410812
250 Rrp0727	177608.4	200198.2	178157.2	38904.59	40410.78	35296.67
251 Rrp0147	867384.1	916617.3	812493	1026001	1174957	944272.5
252 Rrp0069	291178.3	294462.8	254654.1	90692.84	151854.6	143807.1
253 Rrp0035	681215.1	708875.7	702878	581364.9	497994.6	563918.3
254 Rrp0032	3074213	3022232	3311121	3602063	3208127	3258687
255 Rrp0691	16768.3	16196.75	17146.26	232846.5	127492.2	127604.7
256 Rrp0450	196219.2	189979.9	183201.3	57281.99	67250	50720.68
257 Rrp0573	211443	198010.9	185382.4	77989.92	57259.54	70720.36
258 Rrp0766	149720.9	15781.01	13729.73	205831.8	190575.9	233715.7
259 Rrp0387	320478.3	223955.1	243596.8	153496	109694.8	106565.9
260 Rrp0426	994142.7	921192	989186.2	1080367	1059493	1240445
261 Rrp0263	67544.33	80038.23	712963.8	37236.75	46039.4	44493.07
262 Rrp0642	177469.5	148521.9	150967.3	282868.4	272739.8	268447.8
263 Rrp0544	71224.44	66097.31	66754.64	189604	274686.5	130855.1
264 Rrp0391	439183.7	451098	399409.9	304989.1	304015.4	333607.6

265 Rrp0534	659699.6	685141.8	611705.5	515880.9	411030.5	609323.4
266 Rrp0006	794382.2	730578.8	828843.8	653240	627635.7	703345.5
267 Rrp0542	197410.5	226459	197176.5	290575.2	322509.9	334991.9
268 Rrp0070	2778238	2644662	2692063	2397345	2469966	2746914
269 Rrp0433	130118.4	149504.8	146602.4	35888.49	39527.02	42233.94
270 Rrp0017	60327.96	60373.91	50935.64	148619.5	179450.2	153102.5
271 Rrp0354	145779.7	47370.89	638624.5	77566.37	48159.06	71835.59
272 Rrp0726	134801.3	128639.3	143357.4	35207.65	38722.44	35185.92
273 Rrp0504	176975	292692.7	155072.3	394115.8	281253.3	343838.8
274 Rrp0369	274604.1	314079.6	237468.3	433427.7	382689.6	351030.1
275 Rrp0632	352026	344293.6	322381.4	481606.2	413721.3	442860.1
276 Rrp0001	73715.69	64332.96	63760.03	711123	57668.82	76986.12
277 Rrp0371	71626.12	11971.67	6007.5	118265.2	141598	140522.5
278 Rrp0073	245754.8	32399.75	387450.8	55773.89	70671.88	69723.76
279 Rrp0019	350155.6	306328.8	327422.2	446592.6	433587.8	387157.4
280 Rrp0271	401246.4	438444	441429.9	510086.3	585857.7	485884.9
281 Rrp0384	8.71E+08	8.75E+08	8.44E+08	8.79E+08	8.6E+08	8.55E+08
282 Rrp0502	313813.7	73086.91	112444.7	28460.61	52609.3	27151.45
283 Rrp0603	99162.26	102863.4	90828.5	194232.1	172970.9	184030.9
284 Rrp0194	234441.3	348509.3	330756.5	290346.5	21604.15	203975.1
285 Rrp0135	80460.99	109925.2	87654.8	163270.1	190998.4	184590.8
286 Rrp0420	9467635	9054752	10813398	10237613	8910979	9120824
287 Rrp0405	128603.2	172928	141305.1	205390	248401.6	262401.6
288 Rrp0196	283789.1	303036.8	263308.3	415107.4	358497.7	351405.1
289 Rrp0614	1162679	1248777	1019232	1152920	861813	1000908
290 Rrp0004	207098.6	239039.9	214083.3	139876	144821.1	128699
291 Rrp0633	275170.1	274201.1	256325.4	393815.5	318347.9	364058.4
292 Rrp0682	1122806	852463.1	911946.7	917898.2	774648	792593.5
293 Rrp0140	1270279	1755192	1130817	952552.3	1553326	1011511
294 Rrp0365	149797.1	136035.8	135718.6	65775.61	61133.14	62698.95
295 Rrp0416	62588.08	12164.14	12135.01	102621.4	103670.3	123484.8
296 Rrp0597	25457.37	25548.23	22544.93	48228.53	390133.7	35670.92
297 Rrp0086	269018.1	281325.5	234770.4	217154.5	171291.4	168300.4
298 Rrp0377	36806.02	139962.5	40796.73	236996.6	96451.26	190278.5
299 Rrp0723	23583.96	24848.96	24832.92	96375.82	113327.4	70071.25
300 Rrp0193	19125.81	160321.4	109086.1	491673.8	194572.9	29438.71
301 Rrp0457	96778.9	100594.1	96170.86	33024.23	34273.32	35236.61
302 Rrp0189	479322.2	564855.9	613565.3	938053.2	533704.4	597229.7
303 Rrp0064	463221.1	525261.1	413527.5	414754.9	377458.8	365696.2
304 Rrp0724	25779.61	20729.19	24908.02	95493.47	76752.94	89227.21
305 Rrp0167	459363.7	500659.5	419655.3	391274.6	338394.1	421646.2
306 Rrp0707	120491.7	176403.8	132112.6	79153.3	75073.46	76627.45
307 Rrp0180	171583	236423.7	172874.4	285577.6	259822.1	252019.8
308 Rrp0612	420339.1	397473.6	414088.2	461147.6	474987.4	480736.6
309 Rrp0604	73899.3	71556.26	77852.4	13413.62	14952.9	16460.5
310 Rrp0599	77736.45	91709.57	78942.21	26405.7	24193.06	23634.06
311 Rrp0470	150410.7	170419.1	194608.4	258666.2	227908.6	222056.1
312 Rrp0774	126362.7	126128.8	110444.4	62486.96	66851.83	61083.35
313 Rrp0615	487735.4	509373.4	427795	504660.4	587654.2	563053.4
314 Rrp0458	93952.92	123883.1	86047.71	46833.99	37000.99	44623.48
315 Rrp0082	211501.7	242856.5	248210.6	186305.3	164456.4	174184.5
316 Rrp0221	503411.3	636727.6	790243.6	453983.8	605451.7	537013.8
317 Rrp0486	53148.67	69271.41	64957.88	11689.57	6888.321	6029.877

318 Rrp0575	168636.7	209161.3	163081.9	105273.5	137826.4	115059.4
319 Rrp0128	156296.2	161586.7	176207.1	127654.6	94801.53	102009.4
320 Rrp0367	177109.4	136139	118148.6	209371.4	193133.9	211478.8
321 Rrp0733	15265.24	14884.77	14833.14	63076.53	65264.21	65846.76
322 Rrp0013	161622.2	178884.2	187331.2	126769.6	124686.1	123378.2
323 Rrp0762	18855.98	15275.12	14129.86	65782.95	69269.6	59490.54
324 Rrp0419	6104984	5363032	4010568	5046908	4759035	5001202
325 Rrp0429	2863078	2861602	2733172	2898272	2505505	2734679
326 Rrp0342	20178.8	31775.77	7749.208	77283.25	15132.23	234323.8
327 Rrp0558	51108.97	52420.95	49789.91	103614.7	95680.36	92239.71
328 Rrp0037	190994.1	200861.2	193826.8	192346.1	103169.8	101945
329 Rrp0136	186458.7	171366.5	203268.3	279421.6	278348	186851.5
330 Rrp0463	614076.4	555669.3	537790.9	461549.7	478770.3	567481.1
331 Rrp0477	4947699	4882523	4764073	4708341	4698143	4919592
332 Rrp0107	3035988	3336016	2877597	3505757	2989132	3183666
333 Rrp0211	228705.7	232942.8	191591.6	350563.4	222480.8	282021.2
334 Rrp0084	48178.45	64971.53	69315.27	88377.21	136436	103459
335 Rrp0178	54980.51	52076.7	43356.19	112365.5	97818.64	76831.1
336 Rrp0407	754406.7	901846.2	896061.8	867623.2	776427.3	637803.4
337 Rrp0172	156455.3	116366.1	113675.1	168888.4	146623.2	275684.8
338 Rrp0302	348701.9	390330.9	300694.8	453128.6	438422.3	344546.6
339 Rrp0022	97252.46	93198.62	129026.5	57776.3	55265.24	69333.11
340 Rrp0520	34538.55	40713.98	32598.7	72654.48	72950.55	82265.95
341 Rrp0348	177113.6	140493	18638.75	155669.8	163467.6	238114.8
342 Rrp0430	19359.24	38363.62	18558.59	55070.09	95566.68	53815.94
343 Rrp0570	95221.34	107316.9	107809	67956.91	66671.86	66539.6
344 Rrp0284	135547.7	149407.3	134628.2	106091.7	89256.98	112070.5
345 Rrp0145	204909.5	206662.1	238270.9	137661.5	166859.3	204767.8
346 Rrp0257	345783.4	400788.9	398383	444316.2	407722.1	431043.1
347 Rrp0756	114194.9	135795.3	155849.8	97514.44	88938.1	100183.5
348 Rrp0351	129660.2	91032.46	136945.4	261510.6	83425.5	209786.6
349 Rrp0657	254359.7	186693	199600.6	37702.02	321647.7	20837.19
350 Rrp0666	13257.13	14650.66	22927.16	43216.97	52499.64	50689.7
351 Rrp0338	78071.77	73690.87	74200.34	47034.67	44953.78	39732.85
352 Rrp0749	93549.96	81166.3	73865.32	45058.28	50522.69	55036.45
353 Rrp0434	19966.34	15633	117917.5	98517.04	93248.85	110263.2
354 Rrp0631	37543.22	26793.23	27490.5	75369.69	63374.61	50413.79
355 Rrp0616	241232.4	265666.3	226342.5	215458.7	213223.3	198484
356 Rrp0274	114794	1470904	117694.6	179276.9	889538.9	123056.3
357 Rrp0049	463266.9	381641.7	323557	513276.7	426858.5	402768.1
358 Rrp0516	3780684	4842675	3945385	4313692	3999649	3853010
359 Rrp0496	14749.59	12675.76	12301.79	52936.96	38050.49	33683.57
360 Rrp0411	42765.38	42099.34	44171.34	16296.52	17774.81	16510.83
361 Rrp0336	126908.9	132824	131393.7	217292.1	146846.6	145889.9
362 Rrp0748	51132.16	66611.96	55264.48	37960.44	27830.43	25070.6
363 Rrp0442	14828.96	12591.13	14683.87	38735.85	37798.44	37858.83
364 Rrp0012	1029952	1159762	1047692	1193145	1098853	1106292
365 Rrp0394	13753.17	13587.77	10462.01	33699.4	37111.42	37998.47
366 Rrp0296	95263.6	99772.04	98029.54	65698.86	76222.76	77902.06
367 Rrp0476	242591.4	187008.9	157995.2	167253.5	165281.5	137786.1
368 Rrp0759	119556.7	116087.2	159026.9	122050.6	119205.8	10893.67
369 Rrp0500	31901.89	57905.22	78446.1	120646.3	57118.51	93370.76
370 Rrp0118	108935.6	94565.69	33846.6	366572.8	42116.95	36310.2

371 Rrp0403	52384.83	51092.68	51758.4	31962.33	31417.22	31524.98
372 Rrp0537	344007	348703.8	300995.2	324259.3	289186.1	288216
373 Rrp0301	80901.49	70721.38	9002.805	83126.72	99122.91	80360.05
374 Rrp0269	42936	39018.88	41521.58	55565.77	65201.18	62578.2
375 Rrp0358	2013775	2305929	2115814	2410063	2320067	1938137
376 Rrp0288	964328	887586.5	878553.2	872049.5	904885.7	834557.9
377 Rrp0024	73942.48	69446.87	74880.96	79187.58	108292.2	101656.3
378 Rrp0360	34990.27	29595.45	40483.03	14684.75	13687.37	16222.27
379 Rrp0093	1279259	1401403	1339531	1464724	1227614	1136109
380 Rrp0285	5799.391	6423.006	4760.312	22137.82	25839.25	23818.9
381 Rrp0080	19308.98	153345.6	187890.5	77655.28	74712.26	72018.57
382 Rrp0601	88314.82	87380.02	110063.8	70094.22	64359.04	82700.2
383 Rrp0553	5633.678	6862.439	5507.348	27089.17	13586.22	51025.88
384 Rrp0183	432033.8	638084.3	513297.3	495040	456408	495296.3
385 Rrp0138	32593.83	27898.91	29660.75	13158.29	12468.27	14155.16
386 Rrp0503	228444.6	233346.4	169716	161926	212713.2	161120.3
387 Rrp0343	12591.6	12988.45	16619.6	9324.411	84287.87	34094.42
388 Rrp0622	12399.38	10440.04	10771.85	37149.04	24210.78	25584.92
389 Rrp0250	679512.5	756869.4	629628.5	668085.7	681110.7	599341.6
390 Rrp0048	27004.13	10064.01	25036.87	36777.78	43870.38	35557.31
391 Rrp0718	33166.39	28157.78	29411.14	40459.32	59151.85	44474.72
392 Rrp0206	101907.9	110352.6	111971.1	118567.9	46837.47	77792.4
393 Rrp0393	12604.85	17973.8	15182.68	28627.71	30015.27	34963.41
394 Rrp0501	35432.25	20463.49	61795.61	14932.49	14838.12	20031.77
395 Rrp0039	34590.1	28487.71	48115.05	51823.32	61448.53	51304.48
396 Rrp0611	1259005	1483034	1192487	1460945	1116312	1175926
397 Rrp0395	9202.325	17694.98	11958.52	40612.67	18791.89	29650.94
398 Rrp0473	15156.91	25002.8	17286.13	37400.72	34242.42	28790.16
399 Rrp0009	219166.2	145403	26329.98	43770.58	52140.35	504130.6
400 Rrp0081	15548.9	12783.3	15941.03	24868.06	28987.71	24985.5
401 Rrp0693	92661.29	78048.1	71335.04	114377.3	87236.83	93199.95
402 Rrp0662	4335490	3516382	4733134	3895671	4361705	3993406
403 Rrp0746	257484.3	253587.1	234119.6	253032.9	205996.1	228200.3
404 Rrp0689	21855.47	37541.29	39245.69	18431.94	23112.07	13555.86
405 Rrp0385	55704.13	60844.32	6616.979	15231.3	18674.55	28644.05
406 Rrp0729	17287.12	25867.66	11915.22	35103.94	36630.1	24326.84
407 Rrp0341	62575.43	106317.4	84375.61	48147.58	85846.83	57225.04
408 Rrp0157	93356.96	133458.2	91794.45	104020.7	69435.83	86364.91
409 Rrp0248	283553.4	234884	227058.6	237226.6	201171.6	242048.7
410 Rrp0605	7528.044	6606.767	7768.779	17592.61	16852.77	17299.04
411 Rrp0571	30121.39	38312.29	37063.58	54028.05	43168.23	44771.89
412 Rrp0225	195023.2	160212.5	184278.4	164368	176974.8	139149.7
413 Rrp0398	34177.96	34559.36	33375.45	44532.82	43915.24	42916.22
414 Rrp0364	171926.5	196676.8	185138.3	204900	183109.7	219676.3
415 Rrp0700	26528.28	91825.48	31368.54	43101	16471.07	27548.92
416 Rrp0389	14714.82	147576.8	16879.15	31071.59	28049.73	36351.13
417 Rrp0260	15772.52	13103.59	16400.57	25071.35	20769.16	34191.89
418 Rrp0427	105114.5	91468.39	92959.27	62023.58	145729.7	154946.5
419 Rrp0425	11340.24	19572.46	14004.22	23149.82	25931.18	26971.2
420 Rrp0079	82882.95	81175.89	81961.44	75799.59	73812.11	60648.9
421 Rrp0608	27132.63	77804.24	65667.32	62480.15	131144.5	44700.36
422 Rrp0076	329019.2	333169.9	311926.5	284945.4	352237.1	267650.1
423 Rrp0494	19572.72	28704.11	33519.27	40670.99	36753.47	35923.09

424 Rrp0315	64720.29	73417.46	31655.25	36516.56	49189.53	37207.32
425 Rrp0709	97572.59	119616.2	87541.13	99162.12	80239.05	83735.39
426 Rrp0539	73295.99	90974.39	83861.84	53839.99	82286.28	72940.22
427 Rrp0043	133691.3	104409.2	136739	234644	20588.59	220984.2
428 Rrp0287	44336.28	43980.84	54566.15	56635.73	57251.39	54181.62
429 Rrp0146	15169.13	195831.9	178082.8	134256	147911.7	10062.82
430 Rrp0054	22236.87	21854	15346.74	10762.2	15371.75	10221.56
431 Rrp0769	33219.59	29267.99	33998.89	24171.23	29163.22	18187.96
432 Rrp0576	32147.67	33499.53	34162	25595.83	29783.37	22773.39
433 Rrp0424	45045.01	47448.25	51547.62	52819.5	41680.84	7324.904
434 Rrp0289	384248.8	366025.7	377869.6	542658.4	324366.3	348006.3
435 Rrp0543	54767.86	39931.54	73899.79	40865.1	46878.29	45021.31
436 Rrp0552	36642.86	37909.52	34540.76	40755.75	42776.91	44487.49
437 Rrp0659	241650.7	216667	255663.1	277420.8	242573.5	235712.3
438 Rrp0410	1902491	1982612	1596312	1839541	1687100	2118173
439 Rrp0462	24900.83	22076.46	18106.36	19377.4	14226.46	10422.28
440 Rrp0557	48252.34	33248.31	33892.88	53116.16	49159.06	38737.6
441 Rrp0767	15625.56	19799.31	14409.2	11489.2	11305.73	10787.8
442 Rrp0056	12323.04	12141.42	32829.66	26195.95	28091.48	28434.37
443 Rrp0089	18040.01	19550.64	24170.48	13521.3	15767.25	15497.26
444 Rrp0083	13352.06	110921.5	128491.6	293127.4	26107.09	20909.7
445 Rrp0362	18991.02	16612.16	13656.85	10076.88	10945.11	13105.77
446 Rrp0276	101259.4	124296.5	149356	181835.1	123142.3	110305.4
447 Rrp0023	224770.9	245428.4	181002.3	237480.4	187193.6	279497.6
448 Rrp0587	14055.89	24203.03	20114.61	12198.95	16106.36	13845.45
449 Rrp0120	408097.3	666080.2	552120.5	912129	553547.8	261125.7
450 Rrp0747	182601.2	186274.7	185157.1	176927	188403.9	168365.5
451 Rrp0382	17093.11	17744.9	17906.46	14332.5	13982.87	15004.1
452 Rrp0397	9719.68	12836.09	7244.166	7965.564	4913.737	4781.482
453 Rrp0057	30134.9	38013	32841.19	105723.9	16907.06	18531.82
454 Rrp0775	83264.2	70645.42	90719.99	56016.82	35338.7	119586.5
455 Rrp0156	13139.94	11386.41	12248.39	13728	2843.12	6076.757
456 Rrp0252	44383.28	30796.07	47521.11	46447.71	54993.08	39162.71
457 Rrp0005	11949.03	110321	129449.5	65216.62	68305.82	75666.6
458 Rrp0760	130726.8	88955.01	92643.3	85903.28	108250.8	89851.7
459 Rrp0499	194534.9	229730.7	204027.5	218905.8	208384.8	170332
460 Rrp0550	141288.5	117287.9	137376.3	175405.5	149324.1	100824.2
461 Rrp0016	1446921	1511671	1478776	1526295	1451390	1498602
462 Rrp0215	51154.05	24535.16	21299.7	12353.85	25514.6	36532.56
463 Rrp0763	17290.68	17524.65	17208.31	11128.51	14213.33	17224.44
464 Rrp0179	19690.66	8816.979	9081.014	26737.28	8975.212	18410.64
465 Rrp0739	23785.88	44898.7	26478.81	50549.7	39573.19	22908.28
466 Rrp0583	16707.29	12617.17	15331.05	17479.64	19136.79	15466.62
467 Rrp0468	23391.25	25529.88	21122.26	12299.56	18271.47	28364.96
468 Rrp0776	12895.52	15221.86	10032.5	14452.46	14048.55	16811.86
469 Rrp0113	206335.7	194260.3	170186.6	229101.3	119958.2	259306.2
470 Rrp0566	997103.4	977726.2	899291.7	936043	912368.7	1003728
471 Rrp0101	88515.76	95948.8	84221.56	82544.08	104025.5	65929.22
472 Rrp0292	23352.46	30846.71	18302.46	19946.95	10930.17	31737.86
473 Rrp0524	18628.3	12258.99	35863.73	9641.65	26492.51	17276.3
474 Rrp0677	74561.12	66542.37	87703.19	70721.03	76958	92419.8
475 Rrp0268	27596.6	49628.46	14985.37	37361.12	5476.781	37578.94
476 Rrp0062	3631365	3555084	3549050	3844161	3410374	3439720

477 Rrp0224	20009.63	13627	10686.78	10629.69	9626.516	36024.51
478 Rrp0374	51393.33	109406.2	43736.02	67631.34	87124.56	32542.89
479 Rrp0281	644178.8	843212.2	772989.9	834721.5	721850.8	675810.3
480 Rrp0560	10673.47	8300.485	12644.03	16179.48	2918.327	5868.13
481 Rrp0144	67993.17	50478.03	51187.88	118972.4	16068.34	15907.73
482 Rrp0482	1096593	1541119	1264022	1405304	1070057	1411691
483 Rrp0291	26178.25	5997.253	10445.84	18244.58	13626.22	18009.44
484 Rrp0104	125569.8	107433.3	141207.4	206837.6	104886.8	38730.12
485 Rrp0007	15845.95	22179.32	16155.65	2717.673	20779.61	24689.78
486 Rrp0372	12158.88	16498.68	18984.73	17997.59	12015.9	14432.27
487 Rrp0353	4749.422	1596.578	3473.527	4050.8	1359.811	2181.14
488 Rrp0487	13650.29	13949.82	14568.85	10690.79	14567.56	14724.86
489 Rrp0209	110121.1	111284.7	115105.6	124964	101989.7	104904.4
490 Rrp0303	923909.1	955525.9	1151805	1006331	1065249	934132.6
491 Rrp0335	11894.79	13352.25	14717.09	14280.9	13041.14	11023.14
492 Rrp0375	19042.4	15539.79	11178.67	11310.64	15524.07	17037.58
493 Rrp0295	13633.78	13171.76	11084.4	8948.707	18321.83	12304.02
494 Rrp0401	15092.1	11255.03	12346.92	11456.25	11053.81	14913.08
495 Rrp0314	50633.27	39959.98	27977.14	28669.34	63796.76	20629.83
496 Rrp0704	28740.5	26458.54	24404.17	26401.04	28437.36	25773.31
497 Rrp0435	8072.033	15523.09	20904.67	5659.962	22824.78	13325.08
498 Rrp0561	78061.24	62220.99	57190.08	44880.74	62731.54	88301.4
499 Rrp0187	131707.5	114661.1	147383.4	166382.8	130583.3	90363.93
500 Rrp0506	9157.423	8398.763	4758.179	5605.825	9264.495	8390.718
501 Rrp0279	124433.7	109619	110231.6	327835.5	14493.42	7707.698
502 Rrp0218	82509.56	72697.93	67988.72	83136.02	75366.23	62621.91
503 Rrp0117	195275.4	364736.7	24166.88	271156	28054.77	314719.7
504 Rrp0325	12325.28	134849.4	15500.37	134029.4	19087.29	16922.61
505 Rrp0286	31155.42	32726.41	21876.43	31727.38	26694.75	26929.15

control_me	case_mean	log2FoldCh	Pvalue	padj	vip	regulate
1.9E+08	7.97E+08	2.066692	6.78E-05	0.000866	6.674082	Up
1.92E+08	7.82E+08	2.022384	8.47E-06	0.000327	6.587069	Up
1.9E+08	7.7E+08	2.022673	9.78E-06	0.000329	6.536978	Up
1.87E+08	7.6E+08	2.023898	0.000118	0.001025	6.480169	Up
4.03E+08	9.04E+08	1.164668	0.000148	0.00119	6.043249	Up
3.68E+08	8.34E+08	1.177976	2.15E-05	0.000472	5.843362	Up
4.33E+08	8.96E+08	1.048454	2.94E-05	0.000504	5.82475	Up
1.28E+09	9.29E+08	-0.46237	0.000259	0.001597	5.044572	Normal
5.1E+08	8.14E+08	0.673586	0.001067	0.004115	4.636238	Normal
9.04E+08	7.27E+08	-0.31427	0.000253	0.001597	3.598817	Normal
3.06E+08	1.48E+08	-1.04597	0.00013	0.001073	3.401211	Down
20859510	1.62E+08	2.959633	0.000423	0.002134	3.208257	Up
47164506	1.49E+08	1.663404	0.000612	0.002759	2.704522	Up
5.87E+08	4.77E+08	-0.29949	0.033934	0.068274	2.657347	Normal
9.75E+08	8.81E+08	-0.14776	0.003235	0.009734	2.596143	Normal
48589065	1.38E+08	1.507247	0.000365	0.002025	2.552128	Up
1.12E+08	2.02E+08	0.848638	0.000341	0.001978	2.55127	Normal
1.04E+08	18634655	-2.47373	2.14E-06	0.00027	2.499074	Down
1.04E+08	1.9E+08	0.86708	0.000387	0.002078	2.489211	Normal
9.61E+08	8.79E+08	-0.12942	0.00884	0.022321	2.381729	Normal
13149982	84352248	2.681366	1.62E-05	0.000456	2.287977	Up
1.5E+08	2.2E+08	0.556319	0.000988	0.003927	2.25934	Normal
3049945	70719697	4.535257	1.11E-05	0.000351	2.233345	Up
1.36E+08	2.05E+08	0.591018	0.00042	0.002134	2.231188	Normal
11795347	76710657	2.701209	3.41E-05	0.000539	2.183714	Up
2.05E+08	1.59E+08	-0.37208	0.006568	0.017549	1.795816	Normal
76623591	1.23E+08	0.679676	0.004983	0.013828	1.793712	Normal
64879591	23635851	-1.45679	0.00035	0.001987	1.732118	Down
62079368	23291928	-1.41428	0.00019	0.001308	1.68403	Down
2.16E+08	1.76E+08	-0.29521	0.025167	0.052955	1.592287	Normal
4922683	34963083	2.828316	0.000658	0.002859	1.47284	Up
12354481	38940661	1.656243	0.000183	0.001308	1.39116	Up
31693969	8740744	-1.85838	2.86E-05	0.000504	1.298151	Down
36896904	16657587	-1.14732	0.000191	0.001308	1.210033	Down
51642935	34278405	-0.59127	2.24E-05	0.000472	1.128141	Normal
2.56E+08	2.79E+08	0.127238	0.103815	0.166964	1.12781	Normal
1.18E+09	1.16E+09	-0.02421	0.034368	0.068872	1.114116	Normal
48274337	31386533	-0.62111	7.37E-05	0.000866	1.111906	Normal
29819898	46616820	0.644575	0.008577	0.021767	1.077028	Normal
5437116	20333321	1.902932	0.000124	0.001046	1.042314	Up
12178599	27162789	1.157283	0.000745	0.003187	1.03876	Up
43856053	28782668	-0.60758	0.003431	0.010133	1.033181	Normal
41877222	58361930	0.478862	0.055177	0.099515	0.984624	Normal
30775159	19066342	-0.69074	0.000361	0.002025	0.924426	Normal
9143573	20406165	1.158175	4.27E-05	0.000625	0.908723	Up
28856777	17604940	-0.71293	0.000399	0.002097	0.904826	Normal
4955679	15550048	1.649764	9.95E-05	0.000951	0.876899	Up
26258562	15749058	-0.73752	4.33E-05	0.000625	0.876325	Normal
31203538	20454003	-0.60933	0.001972	0.006867	0.874519	Normal
2.55E+08	2.4E+08	-0.08881	0.138844	0.213119	0.869168	Normal
1.33E+08	1.44E+08	0.11763	0.014365	0.032676	0.865495	Normal
481101.8	10609590	4.462883	2.06E-05	0.000472	0.863832	Up

32202382	43692937	0.440233	0.019911	0.04297	0.859476	Normal
8019509	18365406	1.195405	0.008459	0.021685	0.843069	Up
4057112	13617392	1.746925	0.000236	0.001525	0.831967	Up
214021.1	8608521	5.32994	2.13E-05	0.000472	0.785341	Up
6348292	14783058	1.219504	0.000407	0.002097	0.783768	Up
14099969	5914869	-1.25327	0.0019	0.006662	0.76597	Down
20846482	28929647	0.472745	0.002538	0.008268	0.757729	Normal
3745492	11684548	1.641375	0.000924	0.003765	0.756255	Up
3340866	11042735	1.724803	0.000532	0.002488	0.745046	Up
9129170	17798648	0.963212	0.044594	0.083718	0.727176	Normal
32814642	40866437	0.316577	0.020388	0.043627	0.725484	Normal
5493855	12748140	1.214396	0.000932	0.003766	0.721452	Up
12456021	23665610	0.925949	0.159215	0.241453	0.715572	Normal
35308867	43462642	0.299745	0.035861	0.070467	0.711028	Normal
20981516	13959644	-0.58786	0.005683	0.015514	0.699399	Normal
1262868	7495249	2.569273	2.21E-05	0.000472	0.67716	Up
59848654	66987382	0.162571	0.045116	0.084384	0.661818	Normal
8960846	15102951	0.753124	0.003238	0.009734	0.655449	Normal
9198761	1203606	-2.93408	0.111544	0.177696	0.64527	Normal
2.27E+08	2.12E+08	-0.09357	0.465614	0.558516	0.644214	Normal
606599.2	6301026	3.376771	0.000468	0.0023	0.63968	Up
42045296	36258583	-0.21362	0.003197	0.009727	0.637386	Normal
415892.3	5973089	3.844196	0.00016	0.001217	0.636695	Up
20600739	14384796	-0.51815	0.036903	0.072233	0.630587	Normal
4858267	10439418	1.103528	0.002345	0.007808	0.62751	Up
14821892	20973823	0.50086	0.031139	0.063407	0.623283	Normal
2726610	7962415	1.546098	6.24E-06	0.000327	0.619193	Up
7907325	13172072	0.736221	0.001334	0.004916	0.613643	Normal
874464.6	5996907	2.777747	8.88E-05	0.000936	0.61238	Up
1171449	5913225	2.335651	0.000124	0.001046	0.588055	Up
829505.1	5271844	2.667985	0.000662	0.002859	0.566322	Up
417845.8	4732946	3.501696	0.000384	0.002078	0.558924	Up
5059101	9571192	0.919818	0.004702	0.013264	0.557272	Normal
253912.6	4280994	4.075542	9.07E-06	0.000327	0.543791	Up
2590767	6828221	1.39813	0.006627	0.017613	0.535047	Up
8.91E+08	8.98E+08	0.010596	0.244923	0.342621	0.526217	Normal
1.85E+08	1.97E+08	0.088004	0.507064	0.598289	0.52095	Normal
8933558	12482435	0.482593	0.000161	0.001217	0.507099	Normal
10356548	16394621	0.662679	0.269674	0.367077	0.497777	Normal
1032812	4431178	2.101113	0.003662	0.010752	0.484864	Up
14583576	11456805	-0.34814	9.97E-05	0.000951	0.478532	Normal
8705589	5511750	-0.65943	0.010603	0.025992	0.468072	Normal
5.17E+08	5.08E+08	-0.02559	0.587484	0.674271	0.464108	Normal
16056857	12683284	-0.34026	0.040452	0.076798	0.452267	Normal
4914525	2131926	-1.20489	3.95E-06	0.000327	0.451954	Down
4122907	1384338	-1.57447	5.20E-05	0.00073	0.446645	Down
9778102	6946146	-0.49334	0.004502	0.012771	0.44355	Normal
4341311	1649691	-1.39593	0.000487	0.00235	0.442052	Down
1.01E+08	1.06E+08	0.064334	0.295969	0.391419	0.439207	Normal
3859508	1267661	-1.60625	7.19E-05	0.000866	0.435432	Down
14282852	11247349	-0.3447	0.038931	0.074198	0.433056	Normal
1778041	4326841	1.283026	0.001262	0.004721	0.424263	Up
4237337	6693177	0.659533	0.001199	0.004517	0.421195	Normal

17069757	20418741	0.258451	0.120253	0.188596	0.420792	Normal
3908996	1427196	-1.45361	0.003171	0.009707	0.419446	Down
1258251	3610359	1.520723	9.08E-05	0.000936	0.413237	Up
2150906	4472355	1.05609	0.000607	0.002759	0.40844	Up
2445468	4760199	0.960911	0.004801	0.013469	0.400623	Normal
3323633	1167046	-1.5099	0.000654	0.002859	0.395522	Down
2128191	4269522	1.004447	0.000407	0.002097	0.395469	Up
41140145	37471179	-0.13477	0.260365	0.359247	0.393927	Normal
18886923	16733795	-0.17462	0.004385	0.012583	0.388942	Normal
485995.8	2567012	2.401074	0.000469	0.0023	0.3885	Up
22196824	24362749	0.134324	0.010463	0.025992	0.383945	Normal
851682.6	2885731	1.760549	0.00171	0.006146	0.380136	Up
1730657	3672076	1.085276	0.00019	0.001308	0.376628	Up
356390.9	2256014	2.662243	0.000156	0.001215	0.372223	Up
5053392	3182847	-0.66693	0.000116	0.001025	0.369533	Normal
1350658	3200561	1.244663	2.57E-05	0.000499	0.36775	Up
376548	2196793	2.544494	4.70E-06	0.000327	0.365701	Up
31008.07	2522001	6.345782	0.119709	0.188328	0.357434	Normal
8399708	6539937	-0.36106	0.01169	0.027847	0.353465	Normal
198035.5	3102191	3.969456	0.275031	0.373362	0.348923	Normal
4539561	2531242	-0.84271	0.052715	0.095416	0.346051	Normal
479986.5	2122603	2.144769	0.000204	0.001371	0.345778	Up
1.53E+08	1.47E+08	-0.05624	0.635949	0.712094	0.345684	Normal
1211219	2956116	1.287243	0.015363	0.034721	0.343339	Up
3209340	1589660	-1.01356	0.000242	0.001547	0.342945	Down
671299.1	2132100	1.667247	3.23E-05	0.000526	0.327084	Up
9396298	7529984	-0.31945	0.062501	0.110361	0.325451	Normal
3603629	5150201	0.515178	0.006083	0.016517	0.324741	Normal
11782183	9886081	-0.25314	0.113276	0.179888	0.319136	Normal
3855825	5827104	0.59574	0.13844	0.213119	0.318829	Normal
4489903	6376547	0.506091	0.081902	0.138793	0.318679	Normal
7.45E+08	7.52E+08	0.012764	0.72764	0.778513	0.311818	Normal
1702262	398315.7	-2.09547	1.30E-05	0.000388	0.309659	Down
2.44E+08	2.49E+08	0.028764	0.606879	0.690257	0.306621	Normal
1973624	737636.1	-1.41987	6.72E-05	0.000866	0.301524	Down
853194.6	2098205	1.298209	0.002366	0.007808	0.296779	Up
251799.1	1450250	2.525956	0.000759	0.003221	0.294971	Up
23208685	25426548	0.131671	0.288728	0.386757	0.293877	Normal
7505593	9083522	0.275286	0.088355	0.146352	0.28944	Normal
984369.4	2754973	1.484766	0.161764	0.242974	0.283564	Normal
198842.5	1413851	2.829932	0.035295	0.070173	0.275165	Normal
596751.4	1646884	1.464537	0.00447	0.012752	0.271867	Up
339548.4	1351018	1.992358	0.000633	0.002804	0.269286	Up
2344570	1324328	-0.82406	0.001726	0.006146	0.26866	Normal
351645.6	1321709	1.910211	8.20E-05	0.00091	0.265727	Up
2260605	1302255	-0.7957	0.000572	0.002627	0.264228	Normal
1171465	225723.4	-2.37569	0.000211	0.001405	0.262639	Down
1337008	406535	-1.71756	0.000192	0.001308	0.260914	Down
2523509	1592963	-0.66372	0.004217	0.012169	0.254582	Normal
21052034	22913476	0.122237	0.336105	0.425396	0.254055	Normal
611404.3	1456486	1.252294	9.76E-05	0.000951	0.249063	Up
20541312	22237065	0.114438	0.310418	0.403397	0.246343	Normal
2066621	1205213	-0.77799	0.006283	0.016876	0.245004	Normal

40144.77	837581	4.382945	5.22E-06	0.000327	0.242022	Up
1968448	2770749	0.493217	0.011063	0.026598	0.232838	Normal
2330384	1589836	-0.55169	0.000113	0.001025	0.232823	Normal
14042512	15498008	0.142282	0.281345	0.378878	0.229775	Normal
407780.2	1261787	1.629605	0.041079	0.077697	0.227069	Normal
5188060	4339313	-0.25773	0.049683	0.090577	0.226923	Normal
940851.6	238509.1	-1.97992	2.99E-05	0.000504	0.226731	Down
20840192	22243068	0.093987	0.346671	0.437672	0.220887	Normal
2417278	1731210	-0.4816	0.002766	0.00878	0.220516	Normal
1545366	87244.68	-4.14674	0.375928	0.465111	0.211788	Normal
320473.4	964631.5	1.589773	0.007846	0.020529	0.210178	Up
4931235	4236487	-0.21908	0.025644	0.053514	0.210081	Normal
761145.3	1495285	0.974177	0.043005	0.081036	0.207503	Normal
2538520	3262053	0.361793	0.058699	0.104746	0.205435	Normal
1.15E+08	1.17E+08	0.026272	0.600062	0.685591	0.205219	Normal
671897.3	95581.01	-2.81344	0.000148	0.00119	0.205189	Down
522330.6	1092676	1.064831	0.002157	0.007359	0.199965	Up
5287519	4557431	-0.21437	0.101788	0.165815	0.198494	Normal
796693.9	258922.5	-1.6215	0.000511	0.002433	0.197652	Down
3852327	3232331	-0.25316	0.035139	0.070139	0.197413	Normal
401894.8	916526.9	1.189359	0.00033	0.00194	0.193923	Up
3759958	3102804	-0.27714	0.08612	0.144009	0.193204	Normal
92471.82	581367.6	2.652365	0.001055	0.004097	0.187306	Up
93182.59	594703.2	2.674038	0.002179	0.007386	0.187062	Up
602674.7	124256.5	-2.27806	6.95E-05	0.000866	0.186985	Down
27897.4	493887.3	4.145979	8.15E-06	0.000327	0.185046	Up
3128970	3652130	0.22305	0.020351	0.043627	0.181848	Normal
1015443	420975.4	-1.2703	0.085001	0.14261	0.181681	Normal
3041719	2300401	-0.403	0.239036	0.336249	0.181196	Normal
646309.4	195896.2	-1.72214	0.000115	0.001025	0.181125	Down
3077463	2514396	-0.29153	0.060925	0.108336	0.179394	Normal
612894.2	1046003	0.771177	0.001813	0.006404	0.17667	Normal
853471.3	203293.9	-2.06978	0.143028	0.218876	0.176642	Normal
10311905	9518863	-0.11545	0.314832	0.404543	0.174483	Normal
35798025	34572098	-0.05027	0.575818	0.662387	0.172754	Normal
5606978	6140142	0.131049	0.11754	0.185492	0.169746	Normal
2173239	1569883	-0.46919	0.132203	0.205235	0.16952	Normal
12577663	11377905	-0.14463	0.540391	0.634645	0.164995	Normal
336023.7	707465.3	1.074096	0.0004	0.002097	0.164808	Up
2911184	2415473	-0.2693	0.10696	0.170933	0.16457	Normal
1096428	661821.1	-0.7283	0.037955	0.073437	0.162702	Normal
87314.4	447001.2	2.355987	0.00062	0.00277	0.160646	Up
186987.6	929044.5	2.312805	0.352433	0.441634	0.160273	Normal
19388107	18334984	-0.08057	0.546693	0.640557	0.160018	Normal
2632251	3158681	0.263025	0.162143	0.242974	0.158075	Normal
375215.9	830031	1.145444	0.114043	0.180538	0.156843	Normal
1507505	1919763	0.348765	0.070045	0.121556	0.15536	Normal
3721460	4242697	0.189113	0.17647	0.261342	0.153858	Normal
70954.96	679843.7	3.260228	0.331507	0.42169	0.15258	Normal
619053.7	318715	-0.9578	0.001161	0.004408	0.146806	Normal
1437640	1144744	-0.32868	0.000271	0.00163	0.14567	Normal
344562.6	630879.7	0.872599	0.000788	0.003288	0.143699	Normal
533866.4	812913.8	0.606624	0.000948	0.003799	0.142147	Normal

2013333	1701376	-0.24288	0.037468	0.073055	0.139825	Normal
1015557	748330.7	-0.44052	0.001158	0.004408	0.138327	Normal
555564.5	279037.3	-0.9935	0.006274	0.016876	0.138255	Normal
15717654	16490144	0.069218	0.498283	0.591119	0.137468	Normal
72893.55	360969.3	2.308013	0.019199	0.041973	0.13732	Up
243341	522472.5	1.102376	0.009855	0.024638	0.136172	Up
226810.9	483143.7	1.090962	0.002401	0.007873	0.1352	Up
554549.7	304834	-0.86329	0.001038	0.004079	0.134436	Normal
412810.3	179024	-1.20533	0.001042	0.004079	0.129724	Down
283945.3	511841	0.850083	7.34E-05	0.000866	0.129434	Normal
1203956	1439748	0.258033	0.002626	0.008448	0.129129	Normal
3251735	3501223	0.106649	0.013625	0.031562	0.128798	Normal
74584.77	530047.8	2.829169	0.296331	0.391419	0.126523	Normal
966639.8	742502.1	-0.38058	0.003171	0.009707	0.125163	Normal
292779.9	73574.15	-1.99255	0.008151	0.021108	0.122562	Down
290714.6	75724.26	-1.94078	0.005361	0.014795	0.122214	Down
333915.8	611968.9	0.873974	0.100184	0.163732	0.121796	Normal
631548.3	862156.4	0.449057	0.018049	0.039629	0.121217	Normal
1367920	1157238	-0.2413	0.010561	0.025992	0.120244	Normal
325040.7	122649	-1.40608	0.002909	0.009124	0.119585	Down
143206.9	344362.7	1.265828	0.003735	0.010902	0.119322	Up
1908831	1658175	-0.20309	0.103653	0.166964	0.118423	Normal
474094	685420.7	0.531817	0.017924	0.039629	0.118059	Normal
343019.4	146422.4	-1.22815	0.002056	0.007064	0.117669	Down
5924679	6407660	0.113061	0.474136	0.566048	0.116712	Normal
2152681	1865634	-0.20647	0.182451	0.268623	0.116706	Normal
7670371	7077241	-0.11611	0.551052	0.644169	0.116368	Normal
487472.3	665143.1	0.448345	0.000899	0.00372	0.112432	Normal
66062.62	242237.8	1.874518	0.00078	0.003283	0.112127	Up
557705.9	372470.8	-0.58238	0.013721	0.031639	0.111396	Normal
3566693	3279142	-0.12127	0.226013	0.319711	0.111214	Normal
3112732	3362362	0.111294	0.132488	0.205235	0.111076	Normal
389577.1	54806	-2.8295	0.349249	0.439131	0.110627	Normal
407445.1	590028.7	0.534179	0.029468	0.060739	0.107876	Normal
340080.7	497485.7	0.548778	0.001728	0.006146	0.106112	Normal
3164964	4140623	0.387659	0.689696	0.750479	0.106099	Normal
19675.74	173200.4	3.137952	5.92E-05	0.000807	0.105659	Up
616847.3	454860	-0.43949	0.011033	0.026598	0.104354	Normal
185321.2	38204.01	-2.27823	4.18E-05	0.000625	0.103922	Down
865498.1	1048410	0.276601	0.068623	0.119913	0.103594	Normal
280098.4	128784.9	-1.12097	0.002782	0.00878	0.103468	Down
697656.3	547759.2	-0.34897	0.004974	0.013828	0.102644	Normal
3135855	3356292	0.098009	0.221536	0.316033	0.098634	Normal
16703.77	162647.8	3.283506	0.014169	0.032378	0.098438	Up
189800.1	58417.56	-1.70001	2.75E-05	0.000504	0.098027	Down
198278.8	68656.61	-1.53006	0.000179	0.001308	0.097411	Down
59743.87	210041.1	1.813809	0.032398	0.065706	0.096512	Normal
262676.7	123252.2	-1.09167	0.013589	0.031562	0.096127	Down
968173.6	1126768	0.218853	0.062258	0.110317	0.09481	Normal
286848.8	42589.74	-2.75171	0.315624	0.404543	0.091918	Normal
158986.2	274685.3	0.788878	0.000345	0.001982	0.091668	Normal
68025.46	198381.9	1.544133	0.035532	0.070185	0.091337	Normal
429897.2	314204	-0.45229	0.003265	0.009757	0.090875	Normal

652182.3	512078.3	-0.34891	0.083878	0.141272	0.090454	Normal
784601.6	661407.1	-0.24642	0.027605	0.057132	0.088423	Normal
207015.3	316025.7	0.610304	0.002668	0.008528	0.087269	Normal
2704988	2538075	-0.09189	0.215199	0.309778	0.087177	Normal
142075.2	39216.48	-1.85712	8.29E-05	0.00091	0.086764	Down
57212.5	160390.7	1.487188	0.000521	0.002457	0.086579	Up
277258.4	65853.67	-2.0739	0.312597	0.404543	0.085706	Normal
135599.3	36372	-1.89845	2.34E-05	0.000474	0.085133	Down
208246.7	339736	0.706121	0.070706	0.122283	0.085037	Normal
275384	389049.1	0.498507	0.025289	0.052991	0.084941	Normal
339567	446062.6	0.39355	0.007837	0.020529	0.084738	Normal
67269.56	281926	2.067291	0.373979	0.464027	0.084029	Normal
29868.43	133461.9	2.159735	0.009675	0.024308	0.083657	Up
221868.5	65389.85	-1.76257	0.204396	0.296609	0.081384	Normal
327968.9	422445.9	0.365208	0.012771	0.030021	0.080163	Normal
427040.1	527276.3	0.304188	0.037701	0.073227	0.079762	Normal
8.63E+08	8.65E+08	0.002836	0.896853	0.918683	0.079281	Normal
166448.4	36073.79	-2.20605	0.157193	0.239104	0.078904	Normal
97618.06	183744.6	0.912482	0.000264	0.001609	0.078845	Normal
304569	171975.2	-0.82457	0.201238	0.292868	0.078598	Normal
92680.34	179619.8	0.954611	0.002052	0.007064	0.078376	Normal
9778595	9423139	-0.05342	0.624769	0.705836	0.07809	Normal
147612.1	238731.1	0.693575	0.01356	0.031562	0.077386	Normal
283378.1	375003.4	0.404176	0.016807	0.037554	0.077329	Normal
1143563	1005214	-0.18603	0.267401	0.365568	0.076629	Normal
220073.9	137798.7	-0.67543	0.001596	0.005799	0.076577	Normal
268565.5	358740.6	0.417667	0.016714	0.037513	0.076266	Normal
962405.3	828379.9	-0.21635	0.225355	0.319674	0.075596	Normal
1385429	1172463	-0.24079	0.472824	0.56582	0.075576	Normal
140517.1	63202.57	-1.15269	8.96E-05	0.000936	0.075189	Down
28962.41	109925.5	1.924273	0.011113	0.026598	0.073491	Up
24516.85	158011.1	2.68818	0.314368	0.404543	0.072647	Normal
261704.7	185582.1	-0.49588	0.022499	0.047739	0.070439	Normal
72521.76	174575.4	1.267365	0.12831	0.200609	0.070388	Normal
24421.95	93258.16	1.933052	0.005445	0.014943	0.069627	Up
96177.8	238561.8	1.310587	0.370901	0.461343	0.06962	Normal
97847.94	34178.05	-1.51747	1.97E-06	0.00027	0.0685	Down
552581.1	689662.4	0.319704	0.356162	0.445203	0.068162	Normal
467336.6	385970	-0.27597	0.083924	0.141272	0.068009	Normal
23805.61	87157.87	1.87233	0.000379	0.002078	0.067613	Up
459892.8	383771.7	-0.26105	0.087068	0.145113	0.066527	Normal
143002.7	76951.4	-0.89402	0.018021	0.039629	0.066218	Normal
193627	265806.5	0.457096	0.038107	0.07345	0.066153	Normal
410633.6	472290.5	0.201823	0.002341	0.007808	0.066122	Normal
74435.99	14942.34	-2.31659	8.18E-06	0.000327	0.066062	Down
82796.08	24744.27	-1.74247	0.000217	0.001426	0.065129	Down
171812.7	236210.3	0.459235	0.01965	0.042588	0.06508	Normal
120978.6	63474.05	-0.93051	0.000489	0.00235	0.064579	Normal
474968	551789.3	0.216287	0.090949	0.150095	0.064354	Normal
101294.6	42819.49	-1.24222	0.007967	0.020739	0.063706	Down
234189.6	174982.1	-0.42047	0.010597	0.025992	0.06323	Normal
643460.8	532149.8	-0.27402	0.3007	0.394424	0.063156	Normal
62459.32	8202.588	-2.92877	0.000452	0.002262	0.062691	Down

180293.3	119386.4	-0.59471	0.025036	0.0529	0.062559	Normal
164696.7	108155.2	-0.60671	0.008225	0.021191	0.061992	Normal
143799	204661.4	0.509185	0.029635	0.060837	0.061463	Normal
14994.39	64729.17	2.109994	5.21E-07	0.000257	0.060488	Up
175945.9	124944.6	-0.49384	0.002604	0.008431	0.05985	Normal
16086.98	64847.7	2.011161	0.000108	0.001007	0.059826	Up
5159528	4935715	-0.06398	0.736196	0.786002	0.058525	Normal
2819284	2712819	-0.05554	0.431316	0.52479	0.058477	Normal
19901.26	108913.1	2.452246	0.246275	0.343561	0.058316	Normal
51106.61	97178.24	0.927123	0.000182	0.001308	0.057955	Normal
195227.4	132487	-0.55931	0.10529	0.168799	0.057779	Normal
187031.2	248207	0.408265	0.128779	0.200721	0.057311	Normal
569178.9	502600.4	-0.17947	0.172154	0.255699	0.05723	Normal
4864765	4775359	-0.02676	0.376694	0.465111	0.056863	Normal
3083200	3226185	0.065401	0.517908	0.609659	0.056135	Normal
217746.7	285021.8	0.388421	0.161816	0.242974	0.05569	Normal
60821.75	109424.1	0.847271	0.035579	0.070185	0.055475	Normal
50137.8	95671.76	0.932194	0.013901	0.03191	0.055261	Normal
850771.6	760618	-0.1616	0.33533	0.425396	0.055184	Normal
128832.2	197065.4	0.613182	0.180924	0.267154	0.054637	Normal
346575.9	412032.5	0.249587	0.20046	0.292578	0.054479	Normal
106492.5	60791.55	-0.80881	0.019633	0.042588	0.054307	Normal
35950.41	75957	1.079175	0.000558	0.002585	0.053451	Up
112081.8	185750.7	0.728816	0.248841	0.346184	0.053262	Normal
25427.15	68150.9	1.422363	0.047947	0.088048	0.051113	Normal
103449.1	67056.12	-0.62548	0.000925	0.003765	0.051105	Normal
139861.1	102473.1	-0.44875	0.010949	0.026583	0.050797	Normal
216614.2	169762.8	-0.35161	0.102948	0.166964	0.050254	Normal
381651.7	427693.8	0.164321	0.09227	0.15178	0.049729	Normal
135280	95545.35	-0.50169	0.033548	0.067767	0.049695	Normal
119212.7	184907.6	0.633267	0.296592	0.391419	0.048882	Normal
213551.1	126729	-0.75284	0.433248	0.52479	0.047918	Normal
16944.98	48802.1	1.526085	0.001541	0.00564	0.047818	Up
75320.99	43907.1	-0.7786	0.000259	0.001597	0.047655	Normal
82860.53	50205.81	-0.72283	0.007084	0.018729	0.047517	Normal
51172.29	100676.4	0.97629	0.216577	0.310288	0.047224	Normal
30608.98	63052.7	1.042603	0.015401	0.034721	0.046574	Up
244413.7	209055.3	-0.22544	0.048935	0.089537	0.046288	Normal
567797.4	397290.7	-0.51518	0.756989	0.806497	0.046185	Normal
389488.5	447634.4	0.20074	0.331045	0.42169	0.045301	Normal
4189581	4055450	-0.04694	0.72611	0.778513	0.045019	Normal
13242.38	41557.01	1.649929	0.008539	0.021767	0.043982	Up
43012.02	16860.72	-1.35107	4.38E-06	0.000327	0.043778	Down
130375.6	170009.5	0.382942	0.169918	0.253123	0.043284	Normal
57669.53	30287.16	-0.9291	0.010693	0.026087	0.043058	Normal
14034.65	38131.04	1.441972	6.67E-06	0.000327	0.042117	Up
1079135	1132763	0.069971	0.349566	0.439131	0.041962	Normal
12600.98	36269.76	1.525231	0.000152	0.001196	0.041454	Up
97688.39	73274.56	-0.41487	0.003775	0.010957	0.041391	Normal
195865.2	156773.7	-0.32118	0.215311	0.309778	0.041213	Normal
131556.9	84050.04	-0.64637	0.291105	0.387884	0.040783	Normal
56084.4	90378.54	0.688381	0.207014	0.299547	0.038634	Normal
79115.96	148333.3	0.906802	0.568472	0.658437	0.038595	Normal

51745.31	31634.84	-0.70991	1.02E-06	0.000257	0.038456	Normal
331235.3	300553.8	-0.14023	0.18641	0.273655	0.038117	Normal
53541.89	87536.56	0.709218	0.216895	0.310288	0.038008	Normal
41158.82	61115.05	0.570326	0.00298	0.009233	0.037581	Normal
2145173	2222755	0.051255	0.66839	0.741839	0.037515	Normal
910155.9	870497.7	-0.06427	0.30774	0.401573	0.037495	Normal
72756.77	96378.68	0.405633	0.057882	0.103655	0.037455	Normal
35022.91	14864.8	-1.2364	0.003353	0.00996	0.037451	Down
1340064	1276149	-0.07051	0.572335	0.661372	0.036728	Normal
5660.903	23931.99	2.079836	9.98E-05	0.000951	0.036552	Up
120181.7	74795.37	-0.6842	0.427427	0.523525	0.036375	Normal
95252.89	72384.49	-0.39608	0.067389	0.118165	0.036274	Normal
6001.155	30567.09	2.348667	0.088391	0.146352	0.035907	Normal
527805.1	482248.1	-0.13023	0.498647	0.591119	0.035584	Normal
30051.16	13260.58	-1.18028	0.000321	0.001909	0.034918	Down
210502.3	178586.5	-0.23721	0.296859	0.391419	0.034697	Normal
14066.55	42568.9	1.597531	0.266456	0.365568	0.034625	Normal
11203.76	28981.58	1.371154	0.012781	0.030021	0.034418	Up
688670.1	649512.7	-0.08446	0.432117	0.52479	0.034101	Normal
20701.67	38735.16	0.903896	0.038629	0.074174	0.033811	Normal
30245.1	48028.63	0.667193	0.038935	0.074198	0.033466	Normal
108077.2	81065.92	-0.4149	0.267842	0.365568	0.033302	Normal
15253.78	31202.13	1.032478	0.002962	0.009233	0.03328	Up
39230.45	16600.8	-1.24072	0.137282	0.21201	0.033115	Normal
37064.29	54858.78	0.565693	0.055972	0.100589	0.033027	Normal
1311509	1251061	-0.06808	0.683896	0.750479	0.032841	Normal
12951.94	29685.17	1.196574	0.069029	0.120206	0.030549	Normal
19148.61	33477.77	0.805964	0.02145	0.045706	0.030435	Normal
130299.7	200013.9	0.618266	0.689341	0.750479	0.029119	Normal
14757.74	26280.42	0.832516	0.002364	0.007808	0.028767	Normal
80681.47	98271.36	0.284534	0.164947	0.246445	0.028694	Normal
4195002	4083594	-0.03883	0.786826	0.832826	0.028654	Normal
248397	229076.4	-0.11682	0.277615	0.37586	0.028249	Normal
32880.82	18366.62	-0.84016	0.078771	0.134389	0.028208	Normal
41055.14	20849.97	-0.97752	0.318411	0.407082	0.028114	Normal
18356.67	32020.29	0.802682	0.071632	0.123461	0.027946	Normal
84422.8	63739.82	-0.40544	0.290252	0.387771	0.027899	Normal
106203.2	86607.16	-0.29427	0.310735	0.403397	0.027837	Normal
248498.6	226815.7	-0.13172	0.377748	0.465275	0.027464	Normal
7301.196	17248.14	1.240236	1.79E-05	0.000472	0.027034	Up
35165.75	47322.72	0.428362	0.045481	0.084752	0.027029	Normal
179838	160164.2	-0.16715	0.263916	0.363155	0.026941	Normal
34037.59	43788.09	0.36341	7.65E-05	0.000878	0.026706	Normal
184580.6	202562	0.134113	0.232869	0.328489	0.02659	Normal
49907.43	29040.33	-0.7812	0.403922	0.496303	0.026452	Normal
59723.59	31824.15	-0.90818	0.560462	0.652151	0.026263	Normal
15092.23	26677.47	0.821816	0.047029	0.086995	0.02604	Normal
96514.07	120899.9	0.325002	0.460134	0.554577	0.025896	Normal
14972.31	25350.73	0.759731	0.017957	0.039629	0.025871	Normal
82006.76	70086.87	-0.2266	0.06719	0.118165	0.025726	Normal
56868.07	79441.66	0.482277	0.499819	0.591121	0.02523	Normal
324705.2	301610.9	-0.10644	0.43438	0.52479	0.024903	Normal
27265.37	37782.52	0.470649	0.072675	0.124833	0.024591	Normal

56597.66	40971.14	-0.46613	0.3074	0.401573	0.024523	Normal
101576.6	87712.19	-0.21172	0.280296	0.378475	0.023895	Normal
82710.74	69688.83	-0.24715	0.25551	0.354486	0.022921	Normal
124946.5	158738.9	0.345345	0.654285	0.731004	0.022361	Normal
47627.75	56022.92	0.234215	0.079801	0.135689	0.022079	Normal
129694.6	97410.15	-0.41297	0.678346	0.747957	0.02145	Normal
19812.54	12118.5	-0.7092	0.049897	0.09064	0.021433	Normal
32162.16	23840.8	-0.43193	0.075872	0.129882	0.021116	Normal
33269.73	26050.86	-0.35288	0.027184	0.056493	0.021086	Normal
48013.63	33941.75	-0.50038	0.36622	0.456644	0.020833	Normal
376048	405010.4	0.107042	0.697734	0.754509	0.02076	Normal
56199.73	44254.9	-0.34473	0.297912	0.391785	0.020552	Normal
36364.38	42673.38	0.230811	0.012402	0.029404	0.020334	Normal
237993.6	251902.2	0.081941	0.464738	0.558516	0.020321	Normal
1827138	1881605	0.042378	0.768082	0.816593	0.020219	Normal
21694.55	14675.38	-0.56393	0.097519	0.159893	0.019425	Normal
38464.51	47004.27	0.289264	0.259785	0.359247	0.018915	Normal
16611.36	11194.24	-0.56941	0.030165	0.061673	0.018634	Normal
19098.04	27573.93	0.52988	0.286705	0.38507	0.018537	Normal
20587.04	14928.6	-0.46366	0.045714	0.084873	0.018309	Normal
84255.06	113381.4	0.428349	0.778394	0.825817	0.018086	Normal
16420.01	11375.92	-0.52947	0.047654	0.08783	0.017632	Normal
124970.6	138427.6	0.147543	0.632468	0.70977	0.016308	Normal
217067.2	234723.9	0.112823	0.618412	0.70022	0.016282	Normal
19457.84	14050.25	-0.46976	0.161963	0.242974	0.016124	Normal
542099.3	575600.9	0.086512	0.876628	0.903464	0.015623	Normal
184677.7	177898.8	-0.05395	0.315027	0.404543	0.015115	Normal
17581.49	14439.82	-0.284	0.001281	0.004758	0.015047	Normal
9933.313	5886.928	-0.75476	0.103193	0.166964	0.014903	Normal
33663.03	47054.26	0.48316	0.672692	0.744977	0.014731	Normal
81543.2	70314.02	-0.21375	0.688274	0.750479	0.0144	Normal
12258.25	7549.291	-0.69934	0.222898	0.31708	0.014346	Normal
40900.15	46867.83	0.196492	0.43438	0.52479	0.01413	Normal
83906.52	69729.68	-0.26701	0.717733	0.772825	0.013986	Normal
104108.4	94668.61	-0.13713	0.563863	0.654599	0.013983	Normal
209431	199207.5	-0.0722	0.602672	0.687019	0.013894	Normal
131984.2	141851.3	0.104013	0.691035	0.750479	0.013485	Normal
1479123	1492096	0.012598	0.675387	0.746325	0.013363	Normal
32329.63	24800.34	-0.3825	0.556859	0.649455	0.013355	Normal
17341.21	14188.76	-0.28946	0.148158	0.226042	0.012631	Normal
12529.55	18041.04	0.525948	0.42815	0.523525	0.012483	Normal
31721.13	37677.06	0.248242	0.598204	0.685018	0.011074	Normal
14885.17	17361.02	0.221976	0.197364	0.288895	0.010905	Normal
23347.8	19645.33	-0.2491	0.488433	0.581742	0.010377	Normal
12716.63	15104.29	0.248243	0.239773	0.336348	0.009591	Normal
190260.9	202788.6	0.091998	0.788299	0.832826	0.009373	Normal
958040.4	950713.3	-0.01108	0.865362	0.894836	0.009043	Normal
89562.04	84166.28	-0.08965	0.664618	0.739278	0.008756	Normal
24167.21	20871.66	-0.21151	0.664104	0.739278	0.008421	Normal
22250.34	17803.49	-0.32167	0.631223	0.70977	0.008286	Normal
76268.89	80032.94	0.069499	0.694872	0.753026	0.00756	Normal
30736.81	26805.61	-0.19743	0.802416	0.844208	0.007502	Normal
3578500	3564752	-0.00555	0.927757	0.942691	0.007184	Normal

14774.47	18760.24	0.344572	0.682867	0.750479	0.007104	Normal
68178.52	62432.93	-0.12701	0.836967	0.873282	0.006681	Normal
753460.3	744127.5	-0.01798	0.906972	0.926039	0.006543	Normal
10539.33	8321.978	-0.34078	0.626387	0.706083	0.006427	Normal
56553.03	50316.17	-0.16858	0.866485	0.894836	0.006366	Normal
1300578	1295684	-0.00544	0.978645	0.980587	0.005883	Normal
14207.11	16626.75	0.226892	0.720609	0.774271	0.00575	Normal
124736.8	116818.2	-0.09462	0.881504	0.906638	0.005629	Normal
18060.31	16062.35	-0.16914	0.791626	0.834595	0.004822	Normal
15880.77	14815.26	-0.1002	0.707677	0.763626	0.003959	Normal
3273.175	2530.584	-0.37122	0.573625	0.661372	0.003955	Normal
14056.32	13327.74	-0.07679	0.617219	0.70022	0.003726	Normal
112170.5	110619.4	-0.02009	0.843734	0.878527	0.003445	Normal
1010413	1001904	-0.0122	0.92114	0.937854	0.003024	Normal
13321.38	12781.73	-0.05966	0.688451	0.750479	0.002654	Normal
15253.62	14624.1	-0.0608	0.835868	0.873282	0.002511	Normal
12629.98	13191.52	0.062759	0.853504	0.886871	0.002238	Normal
12898.02	12474.38	-0.04818	0.812719	0.85327	0.002191	Normal
39523.46	37698.64	-0.0682	0.907702	0.926039	0.002103	Normal
26534.41	26870.57	0.018163	0.83237	0.872089	0.001745	Normal
14833.26	13936.61	-0.08996	0.892071	0.915642	0.00171	Normal
65824.1	65304.56	-0.01143	0.972338	0.976828	0.001546	Normal
131250.7	129110	-0.02372	0.932948	0.944166	0.001479	Normal
7438.121	7753.679	0.059943	0.865625	0.894836	0.001318	Normal
114761.4	116678.9	0.023905	0.986397	0.986397	0.001243	Normal
74398.74	73708.05	-0.01346	0.92967	0.942738	0.00124	Normal
194726.3	204643.5	0.071665	0.944032	0.953472	0.001129	Normal
54225.03	56679.78	0.063875	0.967064	0.974785	0.001017	Normal
28586.09	28450.43	-0.00686	0.972959	0.976828	0.000796	Normal

row	S.B.1	S.B.2	S.B.3	Z.B.1	Z.B.2	Z.B.3
1 Rrp0680	1.8E+08	1.99E+08	1.92E+08	1.36E+09	1.36E+09	1.35E+09
2 Rrp0679	1.79E+08	1.98E+08	1.91E+08	1.33E+09	1.38E+09	1.33E+09
3 Rrp0686	1.78E+08	2.01E+08	1.82E+08	1.32E+09	1.33E+09	1.29E+09
4 Rrp0681	1.88E+08	2.01E+08	1.88E+08	1.28E+09	1.32E+09	1.27E+09
5 Rrp0668	4.09E+08	4.12E+08	3.89E+08	1.26E+09	1.3E+09	1.22E+09
6 Rrp0669	4.25E+08	4.54E+08	4.2E+08	1.23E+09	1.24E+09	1.24E+09
7 Rrp0530	20533690	21731365	20313476	8.15E+08	8E+08	6.96E+08
8 Rrp0549	10995671	12652246	11738123	4.54E+08	5.1E+08	4.32E+08
9 Rrp0692	3081128	3087581	2981126	4.35E+08	4.21E+08	4.21E+08
10 Rrp0522	8.98E+08	9.3E+08	8.83E+08	7.35E+08	7.41E+08	7.2E+08
11 Rrp0547	3.55E+08	3.83E+08	3.67E+08	5.12E+08	5.07E+08	5.65E+08
12 Rrp0654	46241179	49500642	45751697	1.97E+08	2.39E+08	1.81E+08
13 Rrp0655	46177123	49699437	49890635	2.01E+08	2.23E+08	1.86E+08
14 Rrp0538	1.18E+09	1.18E+09	1.19E+09	1.06E+09	1.1E+09	9.96E+08
15 Rrp0188	7.52E+08	7.26E+08	7.57E+08	8.78E+08	8.41E+08	8.54E+08
16 Rrp0582	1.04E+08	1.09E+08	99678254	2.31E+08	2.14E+08	1.95E+08
17 Rrp0368	8712443	7909645	7436440	1.15E+08	1.29E+08	98410657
18 Rrp0321	99717396	1.07E+08	1.04E+08	15541342	14614903	13669889
19 Rrp0165	1.33E+09	1.24E+09	1.27E+09	1.19E+09	1.21E+09	1.15E+09
20 Rrp0440	2.57E+08	2.2E+08	2.03E+08	1.28E+08	1.45E+08	1.56E+08
21 Rrp0386	2.06E+08	2.28E+08	2.13E+08	1.48E+08	1.37E+08	1.31E+08
22 Rrp0455	34158231	32983673	29465242	1.08E+08	1.03E+08	1.1E+08
23 Rrp0684	1.54E+08	1.47E+08	1.49E+08	78117479	76978803	74286051
24 Rrp0546	5.07E+08	5.61E+08	4.62E+08	6.23E+08	6.34E+08	5.53E+08
25 Rrp0529	5.93E+08	6.14E+08	5.54E+08	6.48E+08	67297943	5.47E+08
26 Rrp0055	2.16E+08	2.07E+08	1.93E+08	1.37E+08	1.4E+08	1.27E+08
27 Rrp0674	1.35E+08	1.45E+08	1.28E+08	67673195	70801755	60555220
28 Rrp0456	33188695	39014024	33723883	95722955	94986115	1.1E+08
29 Rrp0564	202723.3	209278.9	230061.2	60277194	63032526	66257650
30 Rrp0651	79398706	76952585	73519483	19192132	20352677	16058523
31 Rrp0438	1.69E+08	1.91E+08	1.96E+08	1.17E+08	1.25E+08	1.38E+08
32 Rrp0664	2.53E+08	2.61E+08	2.5E+08	3.24E+08	3.17E+08	2.87E+08
33 Rrp0384	8.71E+08	8.75E+08	8.44E+08	7.87E+08	8.3E+08	8.15E+08
34 Rrp0673	6381186	6657657	6006031	48842803	56944981	45572703
35 Rrp0383	8.98E+08	8.91E+08	8.85E+08	8.41E+08	8.56E+08	8.45E+08
36 Rrp0509	4724787	5300691	4742571	46641014	47371506	35045281
37 Rrp0481	62598565	71587400	60452809	33978046	30123970	28115929
38 Rrp0480	60578809	67558232	58101062	30381455	28150072	28016005
39 Rrp0366	1.13E+08	1.17E+08	1.06E+08	1.55E+08	1.58E+08	1.32E+08
40 Rrp0228	2.92E+08	3.26E+08	3.01E+08	2.79E+08	2.81E+08	2.55E+08
41 Rrp0098	52226281	50653316	52049210	25566576	24500428	26394602
42 Rrp0096	48816800	48346047	47660163	23121244	22936699	25087071
43 Rrp0510	30580477	32426288	29318711	8135176	7804680	6328642
44 Rrp0517	35497130	35614272	39579309	14661385	13415438	12741072
45 Rrp0528	1.45E+08	1.64E+08	1.49E+08	1.31E+08	1.37E+08	1.04E+08
46 Rrp0512	28661767	30503458	27405107	8163948	7299506	6423647
47 Rrp0670	30383988	27895761	31179946	10154185	7677299	8647740
48 Rrp0148	42337533	48053581	41177044	68695545	69009249	58258059
49 Rrp0507	25381432	26735205	26659048	7142950	7664895	5990659
50 Rrp0652	2.43E+08	2.64E+08	2.6E+08	2.14E+08	2.24E+08	2.5E+08
51 Rrp0754	21275125	20880186	19646907	4746110	3983978	3921765
52 Rrp0665	21553457	21570066	19415922	32185076	36813671	31895885

53 Rrp0102	42810675	40599902	42725311	28412106	28526403	31930705
54 Rrp0452	4162171	3732208	3684145	14468747	15737862	14511235
55 Rrp0339	31506782	30537287	36399858	45342058	41531535	45720815
56 Rrp0701	1318952	1433100	1299920	11799849	11566013	10782507
57 Rrp0197	14389165	14528459	14833104	23411865	24196187	25872018
58 Rrp0569	5386791	5556825	5537948	14912461	15236238	14068038
59 Rrp0753	14765975	9935413	13031602	3203746	3321506	3055304
60 Rrp0527	5.08E+08	5.4E+08	5.04E+08	6.24E+08	6.59E+08	1E+08
61 Rrp0644	14792826	17700130	15677614	7836540	7599674	7258108
62 Rrp0567	10377193	8004135	9807566	1263571	1744222	1755547
63 Rrp0349	3722149	5232695	540049.3	15742148	9940930	9645013
64 Rrp0645	23597728	24815347	21212982	16686093	15378831	14634779
65 Rrp0513	3892734	4625084	3653517	12609993	13128094	9362164
66 Rrp0466	857527	1000919	764948.4	7426790	8062459	7706668
67 Rrp0467	846504.6	904601.3	737409.3	7870040	7913061	6647088
68 Rrp0545	15775662	16990815	14386485	9585850	9179395	8528099
69 Rrp0026	19329250	18568081	18763439	11858873	12928731	12483381
70 Rrp0755	7789279	8884633	8525212	2026959	1909790	2015188
71 Rrp0359	9.65E+08	1E+09	9.58E+08	1.03E+09	1.01E+09	9.44E+08
72 Rrp0318	20486828	22506404	20162869	15146623	16158544	13579173
73 Rrp0688	32234917	33089459	29757530	27345049	25317805	23510822
74 Rrp0511	9037669	8433704	9959348	3459268	3215236	3381280
75 Rrp0122	33509336	31038697	29062582	25772024	26510742	23997447
76 Rrp0278	2007157	1971953	1926234	7013929	7506923	6715859
77 Rrp0514	12073098	7434869	7879544	3775587	3526989	2992441
78 Rrp0317	20405634	21989760	20125184	16380998	16541217	13912481
79 Rrp0515	12670245	12458994	11406557	16861516	17654066	16852034
80 Rrp0319	19868592	22139226	19616120	15483895	16683157	13757030
81 Rrp0489	35563933	38355692	33474449	30968335	31907011	27835433
82 Rrp0441	13347996	15172975	13606565	9225636	9240950	9971248
83 Rrp0008	8974405	8865625	8960643	12923423	12457002	15424958
84 Rrp0112	14143793	15317965	15003918	17929325	21898869	18889197
85 Rrp0568	8352769	10232486	8297283	4815304	4708031	4259165
86 Rrp0474	7956968	9867408	8292391	4747773	4188470	4206628
87 Rrp0293	12243032	12379279	12441131	15385894	18050994	15781400
88 Rrp0191	9839478	10271128	9223700	6291863	6663622	5740279
89 Rrp0090	1.02E+08	97215512	1.04E+08	94030308	99121304	95153137
90 Rrp0661	2124921	2336028	1991769	5328133	5409987	5748649
91 Rrp0606	40969736	45421448	37029250	38155541	38478598	30702637
92 Rrp0181	2081640	1928242	2509837	5033600	4950962	6531245
93 Rrp0643	4331493	5276596	4966712	1527005	1932474	1596310
94 Rrp0565	7931537	7947402	7843035	5352602	5095947	3811658
95 Rrp0119	13572818	15834558	13441181	10445818	12689148	8154236
96 Rrp0251	671915.9	536897	629869.7	3387206	3381764	3353724
97 Rrp0610	11254424	13550553	10541572	8751876	9455771	7483630
98 Rrp0685	3365162	4335036	3536279	5795425	7278392	6388834
99 Rrp0311	4719026	4730678	4168978	2284878	1808134	1825131
100 Rrp0583	16707.29	12617.17	15331.05	2483397	2513549	2465534
101 Rrp0477	4947699	4882523	4764073	2422772	2224704	2530115
102 Rrp0406	1853196	2875569	2607639	21153.63	26953.13	59461.41
103 Rrp0429	2863078	2861602	2733172	5100319	5290774	5035988
104 Rrp0309	3801179	5265932	4402597	2391625	2104466	2126646
105 Rrp0508	3239876	3718753	3063969	7451144	5338710	4653691

106 Rrp0523	52382.02	483523	58201.58	10978672	1310514	112518.8
107 Rrp0640	5905979	5025357	4245967	2915690	3037214	3367299
108 Rrp0697	3151893	4212152	3800334	1956894	2015859	1701948
109 Rrp0581	338854.3	382599.7	312233.7	2255581	2148303	1777990
110 Rrp0164	4040537	3963825	4364358	2273509	2638865	2518676
111 Rrp0065	5110913	5658706	5092937	3715492	3819199	3434546
112 Rrp0598	5206024	6004213	5101111	7733023	7530312	6384312
113 Rrp0063	4836411	5562603	5165166	3770590	3728966	3228900
114 Rrp0422	377223.4	310631.6	441788.9	1932825	1912422	1789203
115 Rrp0490	2281428	3106122	2509202	4603212	4397639	3704350
116 Rrp0031	3254030	3322051	3179125	4751127	4633779	4708179
117 Rrp0626	2656207	3006290	2517333	1272586	1437979	1064173
118 Rrp0185	2646430	2623249	2345881	1232213	1141805	1067364
119 Rrp0658	5991327	5887764	5894947	4352582	4747987	4522383
120 Rrp0060	4760695	5204071	4828939	3711439	3768742	3453513
121 Rrp0417	3199168	2820129	3213092	1795944	2009162	1668209
122 Rrp0121	4968504	4778388	4996683	3605692	3907847	3697246
123 Rrp0223	61567775	55206982	62771206	57463238	56866763	57885701
124 Rrp0072	7334591	8748777	6433411	10264240	9415207	7909226
125 Rrp0229	13737010	16066473	12496424	12548716	13272083	10973479
126 Rrp0265	439554.2	434588.1	348193	1447745	1832165	1317795
127 Rrp0415	782407.3	931359.5	845817	2047127	2176245	1680033
128 Rrp0201	1792206	1684017	1630564	580834.3	712958.2	576332.9
129 Rrp0600	4228829	5720100	4918109	7005990	6316394	5617249
130 Rrp0453	4605049	4571413	3847472	5715844	5028489	5631822
131 Rrp0720	426478.7	434447.8	392611	1373476	1515475	1222187
132 Rrp0070	2778238	2644662	2692063	1710240	1690211	1930278
133 Rrp0743	1974509	1978998	2086490	1187834	1241544	1037679
134 Rrp0159	3084434	3382062	2920414	3883530	4274677	3952517
135 Rrp0678	4617157	4032106	4062747	3463672	3563623	2684600
136 Rrp0078	279676.4	405340	316730.9	1358920	1053550	1048599
137 Rrp0044	2997063	3971865	2156228	1572747	1954929	2269204
138 Rrp0160	3552541	4682049	3492397	5212116	4822885	4695489
139 Rrp0143	20632812	22496614	19815123	19719283	21108244	17596197
140 Rrp0062	3631365	3555084	3549050	2911403	2909902	2571077
141 Rrp0158	3681752	4108185	3767042	4495605	4730800	4713000
142 Rrp0450	196219.2	189979.9	183201.3	827344.8	1105286	892121.7
143 Rrp0333	1.37E+08	1.29E+08	1.33E+08	1.26E+08	1.33E+08	1.33E+08
144 Rrp0519	609002.2	582770	642440.6	1305289	1375281	1301478
145 Rrp0358	2013775	2305929	2115814	1501480	1462600	1293988
146 Rrp0053	510580.4	639975.4	522561.8	5235490	524900.2	523810.8
147 Rrp0482	1096593	1541119	1264022	644806.4	618231.8	516280
148 Rrp0752	78131.99	81086.15	64536.16	4054084	320110.1	32432.76
149 Rrp0019	350155.6	306328.8	327422.2	1032478	970905.1	924565.1
150 Rrp0641	248970.2	245225.7	267541.9	1000583	814502	906474.2
151 Rrp0069	291178.3	294462.8	254654.1	5590080	51965.69	66250.74
152 Rrp0088	2393473	2598604	2259756	2885660	3385257	3083427
153 Rrp0280	367158.4	265579.3	239405.9	980711.8	890227.6	854900.9
154 Rrp0542	197410.5	226459	197176.5	806964.4	835154.3	660078.6
155 Rrp0328	1070882	1361157	1356566	688111.9	687938.1	677501.5
156 Rrp0464	16720974	1330075	13018597	7212616	8607038	8716852
157 Rrp0457	96778.9	100594.1	96170.86	549404.7	619697.5	633527
158 Rrp0746	257484.3	253587.1	234119.6	804058.5	829121.9	638663.7

159 Rrp0649	17261698	19923593	182771.1	14145821	15088003	15740291
160 Rrp0130	1930913	2067698	1727880	1366930	1436769	1354306
161 Rrp0208	707407	880296.1	802378.6	335902.3	279586.1	286490.9
162 Rrp0390	1454208	1452511	1406202	1006458	910966.5	977426.3
163 Rrp0171	5165367	5048484	4946325	4598436	4720718	4368883
164 Rrp0420	9467635	9054752	10813398	7704391	8976956	9890057
165 Rrp0046	2655298	3375088	2703165	2439334	2357044	2255068
166 Rrp0588	3779815	4250080	3249978	3050776	3514658	2802401
167 Rrp0256	629489.9	610314	699124.3	209690.8	213773.3	238482.2
168 Rrp0213	597455	556243.6	509950.6	957455.5	1062359	931310
169 Rrp0516	3780684	4842675	3945385	3402235	4112268	2990258
170 Rrp0493	1257686	1264726	1111246	869334.5	825487.8	667513.8
171 Rrp0690	360220.7	428813.4	458642.7	798806.5	914637.1	749408.2
172 Rrp0589	3867364	3352522	3480193	3023812	3384579	2685891
173 Rrp0212	1032417	964402.2	1049852	1298329	1453819	1524932
174 Rrp0662	4335490	3516382	4733134	3983560	3243878	3466690
175 Rrp0103	23039145	21405295	22146033	20738268	21340279	22263230
176 Rrp0312	1458106	794617.7	793606.9	576354.8	556753.7	415588.6
177 Rrp0052	481534.4	462128.1	478619.5	954167	903053.3	743600.7
178 Rrp0147	867384.1	916617.3	812493	453295.7	565216.5	466846.4
179 Rrp0691	16768.3	16196.75	17146.26	361431	364730.1	344620.4
180 Rrp0410	1902491	1982612	1596312	1391430	1448972	1465669
181 Rrp0709	97572.59	119616.2	87541.13	410060.6	404727.9	464850.1
182 Rrp0367	177109.4	136139	118148.6	495202.4	486231.8	428376.7
183 Rrp0097	424612.6	390209.1	390862.7	840968.3	613798.1	746987.4
184 Rrp0357	117185.8	182683.7	261093.3	2287071	227972.5	137539
185 Rrp0404	1791689	1788272	1612009	1199988	1607429	1244174
186 Rrp0614	1162679	1248777	1019232	817910.4	861592	789036.7
187 Rrp0728	658075	568484.2	581464.9	308317	357744	274768.2
188 Rrp0306	3263701	3821499	3725688	4172607	4251129	3661593
189 Rrp0648	1525262	11586839	14484181	7452158	7138576	8429836
190 Rrp0676	600164.1	687675	726058.2	497231.4	340641.2	291971
191 Rrp0370	491109.5	551664.3	558825.4	772466.7	892298.6	765745.2
192 Rrp0133	986704.8	908566.9	1004648	685554.1	644973.8	756357
193 Rrp0392	9998079	11295916	9641719	11689885	12278450	9250727
194 Rrp0334	961717.3	956711	904126.6	636002.8	745567.8	638931.7
195 Rrp0381	1345858	1660249	1516409	887003.3	1109872	1437312
196 Rrp0566	997103.4	977726.2	899291.7	681966	625844.7	771786.1
197 Rrp0617	85649.62	81873.45	94420.13	322558.5	332779.6	342874.9
198 Rrp0409	287345.6	260390.6	304099.8	502412.4	546968.7	543305.6
199 Rrp0172	156455.3	116366.1	113675.1	462330	407892.6	292461.5
200 Rrp0492	276803.9	256184.9	197034.3	919813.6	808845.7	153528.5
201 Rrp0611	1259005	1483034	1192487	988554.7	1143934	915488.5
202 Rrp0350	324824.4	363421.3	286876.5	66963.39	125766.9	56255.2
203 Rrp0169	606678.9	636155.1	607707.7	411573.1	268762.3	421246.9
204 Rrp0281	644178.8	843212.2	772989.9	1038458	987874.9	962895.7
205 Rrp0067	352131.7	292884.1	384042.5	107685.3	139068.4	116755.7
206 Rrp0391	439183.7	451098	399409.9	217310.1	228509.6	199722.8
207 Rrp0150	143908.6	94964.84	40674.34	343628.8	240059.5	376152.1
208 Rrp0305	15012776	11792211	12644959	13436838	11469597	12514043
209 Rrp0607	2320079	2398763	2272309	2004636	2264939	1958188
210 Rrp0100	500423.6	526691.4	430872.3	156187.4	398100.6	194760.5
211 Rrp0028	3077473	3047821	3212902	2758407	3009732	2839860

212 Rrp0035	681215.1	708875.7	702878	519569.7	475698	513036.6
213 Rrp0288	964328	887586.5	878553.2	696200.8	763837.2	649883.9
214 Rrp0351	129660.2	91032.46	136945.4	744380.9	181264.6	316585
215 Rrp0194	234441.3	348509.3	330756.5	137348.8	20449.96	121757.1
216 Rrp0725	1285193	144239.7	1130981	1383388	1096926	1269012
217 Rrp0759	119556.7	116087.2	159026.9	318664.1	332600.8	305102.4
218 Rrp0683	1144495	780303.5	630249.4	539300	715062	449625.4
219 Rrp0465	2204563	2041989	2138020	2562606	2443775	2147871
220 Rrp0672	439420.8	473370.1	530514.4	702549.5	648421.6	645438.2
221 Rrp0238	83882.24	77900.47	4474316	118045.6	2091295	122666.7
222 Rrp0426	994142.7	921192	989186.2	817830.3	761675.1	795801.8
223 Rrp0330	1180171	1284220	1050003	990672.5	1047027	818337.6
224 Rrp0760	130726.8	88955.01	92643.3	307596	262121.2	250036.3
225 Rrp0192	5435191	5658370	5727372	5834798	5017840	5001603
226 Rrp0714	8330586	7210287	7470238	7181742	7883724	6761887
227 Rrp0682	1122806	852463.1	911946.7	759713	807305.7	715733.6
228 Rrp0476	242591.4	187008.9	157995.2	429267	463396.7	256409.9
229 Rrp0363	471707	465870.4	502382.1	311903.5	323973.5	346709.7
230 Rrp0218	82509.56	72697.93	67988.72	240903.7	205555.5	229056
231 Rrp0558	51108.97	52420.95	49789.91	241440.3	206734.3	166192.7
232 Rrp0388	1342771	1452223	1216029	1042404	1178787	1209011
233 Rrp0289	384248.8	366025.7	377869.6	183180	309020.3	133829.3
234 Rrp0036	2505397	2445169	2619960	2328984	2507954	2051732
235 Rrp0361	9.36E+08	9.94E+08	9.53E+08	9.7E+08	9.81E+08	9.23E+08
236 Rrp0499	194534.9	229730.7	204027.5	87163.31	72600.7	59703.53
237 Rrp0354	145779.7	47370.89	638624.5	25621.49	60952.82	20962.03
238 Rrp0274	114794	1470904	117694.6	1331964	208439.2	1360507
239 Rrp0532	609270.8	520458	660525.2	568188.2	358843.8	338717.9
240 Rrp0724	25779.61	20729.19	24908.02	161906.3	157879.5	125898.8
241 Rrp0707	120491.7	176403.8	132112.6	15125.45	17795.61	15080.25
242 Rrp0303	923909.1	955525.9	1151805	892010	855716.8	777400.5
243 Rrp0747	182601.2	186274.7	185157.1	63934.43	61879.09	69626.51
244 Rrp0117	195275.4	364736.7	24166.88	439410.6	366287	322900.6
245 Rrp0407	754406.7	901846.2	896061.8	739193.4	719290	654987.4
246 Rrp0327	320128.9	351100.3	397943.7	284641.2	141563.1	223987
247 Rrp0064	463221.1	525261.1	413527.5	325033.2	382661.7	296452
248 Rrp0329	743922.9	669033.2	602735.9	546138.2	552026.5	524442.6
249 Rrp0504	176975	292692.7	155072.3	62827.69	92290.6	70141.41
250 Rrp0642	177469.5	148521.9	150967.3	60499.69	4702.816	63129.88
251 Rrp0032	3074213	3022232	3311121	2747746	3230543	2791004
252 Rrp0405	128603.2	172928	141305.1	464470.7	102878.6	401640.7
253 Rrp0503	228444.6	233346.4	169716	99235.8	90708.75	100951
254 Rrp0577	430814.8	612171	524006	674469.5	733481.3	585375.7
255 Rrp0537	344007	348703.8	300995.2	160206.3	296972.6	157095.5
256 Rrp0345	16617567	21958667	19588086	19820624	18065825	18522097
257 Rrp0543	54767.86	39931.54	73899.79	152639.5	149680.4	174359.1
258 Rrp0402	1464492	1575892	58050.77	1204990	1581662	1292839
259 Rrp0263	67544.33	80038.23	712963.8	53674.82	70299.7	77952.18
260 Rrp0552	36642.86	37909.52	34540.76	122008.8	135501.1	145442.6
261 Rrp0612	420339.1	397473.6	414088.2	549169.9	507977.7	481150.7
262 Rrp0585	2061064	2401323	1995657	1881467	2051631	2006312
263 Rrp0570	95221.34	107316.9	107809	10898.54	10980.59	11783.1
264 Rrp0774	126362.7	126128.8	110444.4	29564.92	28576.74	28442.45

265 Rrp0666	13257.13	14650.66	22927.16	112066.8	121234.7	85605.34
266 Rrp0659	241650.7	216667	255663.1	158399	125163.1	157315.4
267 Rrp0449	423096.1	440872.6	374462.3	516678.1	580076.9	462463.6
268 Rrp0764	318853.2	360193.4	339598.5	293178.9	364130.1	959113.8
269 Rrp0093	1279259	1401403	1339531	1275242	1223011	1204668
270 Rrp0427	105114.5	91468.39	92959.27	185172.8	183894.1	172799.9
271 Rrp0696	1758056	1790673	1785393	1820918	1949233	1860081
272 Rrp0076	329019.2	333169.9	311926.5	415974.2	410931.8	388818.9
273 Rrp0190	76877.81	769925.7	972994.1	2383557	274362.2	212963.8
274 Rrp0107	3035988	3336016	2877597	2798031	3157471	2761343
275 Rrp0454	2949732	3577691	3443476	3277810	3248931	2851133
276 Rrp0675	101145.5	78261.5	98008.51	314446.1	335175.2	29227.81
277 Rrp0073	245754.8	32399.75	387450.8	103042.6	87682.61	69843.68
278 Rrp0269	42936	39018.88	41521.58	98446.02	140843.6	109378.5
279 Rrp0221	503411.3	636727.6	790243.6	510660.4	553899.4	496677.9
280 Rrp0534	659699.6	685141.8	611705.5	679900.9	778179.8	774694.3
281 Rrp0470	150410.7	170419.1	194608.4	73183.48	119829.5	93590.16
282 Rrp0608	27132.63	77804.24	65667.32	105322.7	148930.3	147186.1
283 Rrp0554	52579595	41034863	32017208	48009992	41990737	38728713
284 Rrp0013	161622.2	178884.2	187331.2	103953.4	106689	110708.2
285 Rrp0104	125569.8	107433.3	141207.4	264943.4	316404.9	107470.5
286 Rrp0544	71224.44	66097.31	66754.64	151824.5	112544	153592.7
287 Rrp0756	114194.9	135795.3	155849.8	65557.55	65729	63110.44
288 Rrp0048	27004.13	10064.01	25036.87	79028.99	105112.2	83837.28
289 Rrp0252	44383.28	30796.07	47521.11	123210.6	103795.5	98930.13
290 Rrp0723	23583.96	24848.96	24832.92	52309.21	142662.8	111762.3
291 Rrp0257	345783.4	400788.9	398383	467617.2	343042.8	702400.7
292 Rrp0128	156296.2	161586.7	176207.1	104207.3	103749.6	101003.9
293 Rrp0677	74561.12	66542.37	87703.19	11252.67	10741.77	21029.38
294 Rrp0775	83264.2	70645.42	90719.99	2246.643	31701.04	20018.12
295 Rrp0250	679512.5	756869.4	629628.5	478801.9	698273	576947.9
296 Rrp0074	2053521	2210654	1935687	1964256	2171084	1603425
297 Rrp0009	219166.2	145403	26329.98	43159.69	39853.96	34478.56
298 Rrp0108	1301134	1430053	1372574	1412963	1533559	1425879
299 Rrp0376	127550.3	68343.28	22787.05	309978.2	42385.37	190199.4
300 Rrp0604	73899.3	71556.26	77852.4	18493.27	12085.06	19255.41
301 Rrp0174	208063.2	292023.5	255310.8	169794.7	134188.5	220195.6
302 Rrp0502	313813.7	73086.91	112444.7	73696.21	51816.59	73614.86
303 Rrp0638	1234375	1175982	1201512	891920.1	1138635	1232612
304 Rrp0689	21855.47	37541.29	39245.69	134994.1	91355.43	70084.31
305 Rrp0080	19308.98	153345.6	187890.5	45001.79	5262.545	44144.38
306 Rrp0463	614076.4	555669.3	537790.9	543075.4	486195.4	452933
307 Rrp0433	130118.4	149504.8	146602.4	83003.25	87935.66	84745.03
308 Rrp0572	650509.9	631316.6	612818.4	667449.3	701698	716502.3
309 Rrp0531	395735.7	175905.3	651699.7	283040.6	336159.4	225616.4
310 Rrp0348	177113.6	140493	18638.75	25220.75	46834.56	27906.41
311 Rrp0037	190994.1	200861.2	193826.8	158217.9	144309.6	121514.3
312 Rrp0486	53148.67	69271.41	64957.88	7743.616	15344.32	11164.33
313 Rrp0219	334302.7	298016.5	493328.4	286548.3	345834.7	225465.8
314 Rrp0561	78061.24	62220.99	57190.08	21560.09	12749.88	15010.88
315 Rrp0520	34538.55	40713.98	32598.7	74160.69	83951.45	96670.8
316 Rrp0083	13352.06	110921.5	128491.6	14474.06	15246.26	17462.37
317 Rrp0086	269018.1	281325.5	234770.4	181095.7	164693.8	249967.4

318 Rrp0364	171926.5	196676.8	185138.3	132727	139774	136466.7
319 Rrp0599	77736.45	91709.57	78942.21	29015.79	48569.64	30166.78
320 Rrp0749	93549.96	81166.3	73865.32	42265.89	38617.29	33063.01
321 Rrp0615	487735.4	509373.4	427795	397053	464273.4	367815.6
322 Rrp0631	37543.22	26793.23	27490.5	71196.27	70932.81	78815.41
323 Rrp0135	80460.99	109925.2	87654.8	130619.2	133152.7	154803.5
324 Rrp0371	71626.12	11971.67	6007.5	130242.8	172448.6	8633.495
325 Rrp0193	19125.81	160321.4	109086.1	21842.15	39887.63	26277.93
326 Rrp0004	207098.6	239039.9	214083.3	176219.6	196050.2	129427.8
327 Rrp0248	283553.4	234884	227058.6	263421.8	317531.7	332453.8
328 Rrp0087	14830846	17727872	18650552	16657280	17552138	16011899
329 Rrp0338	78071.77	73690.87	74200.34	37579.29	37088.73	31755.22
330 Rrp0196	283789.1	303036.8	263308.3	226253.2	255739.6	228761.7
331 Rrp0387	320478.3	223955.1	243596.8	213038.8	212008.8	199622.5
332 Rrp0206	101907.9	110352.6	111971.1	77484.75	73455.3	58654.45
333 Rrp0284	135547.7	149407.3	134628.2	95177.41	117501.1	84902.32
334 Rrp0140	1270279	1755192	1130817	1236256	1539759	973722.5
335 Rrp0726	134801.3	128639.3	143357.4	168650.3	168909.4	180015
336 Rrp0657	254359.7	186693	199600.6	158002.1	186275.4	150681.9
337 Rrp0271	401246.4	438444	441429.9	473093.3	541992.7	432566.9
338 Rrp0603	99162.26	102863.4	90828.5	62314.74	64474.22	61389.07
339 Rrp0115	2016432	1997113	1907327	366276.7	4327500	305081.4
340 Rrp0205	2200693	2444764	2136358	2282223	2310747	1855554
341 Rrp0742	835867.1	1127442	1325976	1153352	1203287	1230483
342 Rrp0279	124433.7	109619	110231.6	149409.1	150814.5	148452
343 Rrp0079	82882.95	81175.89	81961.44	108493.2	130695.5	111429.1
344 Rrp0748	51132.16	66611.96	55264.48	23056.01	36967.37	2857.901
345 Rrp0017	60327.96	60373.91	50935.64	82388.07	89756.81	98807.81
346 Rrp0562	73146.06	1021720	73865.11	63158.99	6832.976	634633.4
347 Rrp0167	459363.7	500659.5	419655.3	381654.6	465610.6	372875.6
348 Rrp0379	67132.35	70775.31	60280.2	109275.9	105349.2	85138.29
349 Rrp0260	15772.52	13103.59	16400.57	8399.219	85351.7	87727.49
350 Rrp0385	55704.13	60844.32	6616.979	2844.043	2798.941	2097.146
351 Rrp0332	3026952	3348967	3252100	3654355	3439680	2896865
352 Rrp0616	241232.4	265666.3	226342.5	210200	215774.9	205350.2
353 Rrp0430	19359.24	38363.62	18558.59	29141.15	94675.9	70088.87
354 Rrp0762	18855.98	15275.12	14129.86	44066.02	40074.95	47330.12
355 Rrp0647	238024.1	246334.7	196073.8	182410.8	194926.7	194445.4
356 Rrp0023	224770.9	245428.4	181002.3	306012.9	209417.7	280156.6
357 Rrp0022	97252.46	93198.62	129026.5	40379.86	81034.45	84725.22
358 Rrp0739	23785.88	44898.7	26478.81	45534.47	217751.9	15186.1
359 Rrp0225	195023.2	160212.5	184278.4	129361	130028.3	171114
360 Rrp0408	100476.3	158896.1	170248.4	102499.6	85080.9	120076.8
361 Rrp0315	64720.29	73417.46	31655.25	15460.36	23451.95	31295.22
362 Rrp0214	72746.34	72811.61	67306.95	150066.2	112768.8	67802.94
363 Rrp0183	432033.8	638084.3	513297.3	599143.7	739007.3	460173
364 Rrp0539	73295.99	90974.39	83861.84	68859.27	45240.97	50119.89
365 Rrp0496	14749.59	12675.76	12301.79	34643.93	35892.93	36880.39
366 Rrp0113	206335.7	194260.3	170186.6	245729.7	202212.5	218794.9
367 Rrp0766	149720.9	15781.01	13729.73	13150.71	16029.38	12467.72
368 Rrp0597	25457.37	25548.23	22544.93	40831.47	55123.81	45671.8
369 Rrp0369	274604.1	314079.6	237468.3	317761.8	333352.8	284708.5
370 Rrp0442	14828.96	12591.13	14683.87	33934.53	38046.87	32819.32

371 Rrp0557	48252.34	33248.31	33892.88	20061.93	14347.38	13141.33
372 Rrp0336	126908.9	132824	131393.7	152586.4	180896.2	139463.6
373 Rrp0209	110121.1	111284.7	115105.6	86828.2	98271.42	86197.53
374 Rrp0001	73715.69	64332.96	63760.03	42250.33	33902.26	55347.32
375 Rrp0411	42765.38	42099.34	44171.34	24947.46	22696.83	20418.08
376 Rrp0049	463266.9	381641.7	323557	466195.7	426305.8	411152.8
377 Rrp0424	45045.01	47448.25	51547.62	6438.997	7259.197	46996.7
378 Rrp0419	6104984	5363032	4010568	7318657	5620196	3271159
379 Rrp0341	62575.43	106317.4	84375.61	50359.18	47751.96	70347.76
380 Rrp0276	101259.4	124296.5	149356	75754.71	100968.6	109549.8
381 Rrp0040	531037.6	627527.9	508128	503261.4	525147.4	520423.7
382 Rrp0047	1202283	1242262	1069801	2236011	430473.6	415731.1
383 Rrp0576	32147.67	33499.53	34162	17118.45	12519	14905.83
384 Rrp0632	352026	344293.6	322381.4	367485.2	397852.9	340788.2
385 Rrp0621	212395.9	367486.3	298457.5	244359.8	287148.6	215061.9
386 Rrp0360	34990.27	29595.45	40483.03	17241.01	21029.69	10582.22
387 Rrp0006	794382.2	730578.8	828843.8	712914.5	793418.7	735423.2
388 Rrp0270	493448.7	514525.2	454443.1	456916.5	466040.3	459082.2
389 Rrp0633	275170.1	274201.1	256325.4	221434	244147.7	267737.6
390 Rrp0436	273789.9	391648.4	389498.4	385712.2	403017.6	372890
391 Rrp0285	5799.391	6423.006	4760.312	19494.94	22209.32	15293.33
392 Rrp0393	12604.85	17973.8	15182.68	22798.84	28432.16	33046
393 Rrp0540	23588.16	35740.32	33695.72	13968.49	23169.82	14169.8
394 Rrp0268	27596.6	49628.46	14985.37	63970.78	49199.53	33859.6
395 Rrp0398	34177.96	34559.36	33375.45	44978.17	43557.67	44287.82
396 Rrp0573	211443	198010.9	185382.4	172982.2	192263.5	183394.9
397 Rrp0189	479322.2	564855.9	613565.3	457103.7	761797.8	567235.7
398 Rrp0292	23352.46	30846.71	18302.46	8750.963	18628.21	8326.66
399 Rrp0043	133691.3	104409.2	136739	441366	44380.66	43559.5
400 Rrp0039	34590.1	28487.71	48115.05	24795.37	23928.71	24485.55
401 Rrp0473	15156.91	25002.8	17286.13	31566.57	25716.64	31622.45
402 Rrp0763	17290.68	17524.65	17208.31	26717.35	24472.33	26116.26
403 Rrp0729	17287.12	25867.66	11915.22	48080.94	7544.697	49428.22
404 Rrp0700	26528.28	91825.48	31368.54	40143.92	33397.07	18177.05
405 Rrp0500	31901.89	57905.22	78446.1	81987.26	68785.33	64541.95
406 Rrp0287	44336.28	43980.84	54566.15	32154	44632.36	35294.04
407 Rrp0012	1029952	1159762	1047692	1097482	1210026	1023671
408 Rrp0575	168636.7	209161.3	163081.9	175589.7	164747.9	153452.5
409 Rrp0286	31155.42	32726.41	21876.43	18222.25	23084.23	18056.46
410 Rrp0146	15169.13	195831.9	178082.8	96492.23	111584.4	98172.72
411 Rrp0005	11949.03	110321	129449.5	95072	113505.1	105727
412 Rrp0145	204909.5	206662.1	238270.9	213205	211542	184834.3
413 Rrp0024	73942.48	69446.87	74880.96	80664.85	86902.58	74447.69
414 Rrp0462	24900.83	22076.46	18106.36	25086.55	30269.33	30781.67
415 Rrp0075	2250196	2427321	2356192	2087928	2568987	2249771
416 Rrp0587	14055.89	24203.03	20114.61	29401.58	24408.9	26626.01
417 Rrp0613	303595.8	355082.7	361563.6	330033.2	333873.3	310291.2
418 Rrp0144	67993.17	50478.03	51187.88	54349.05	46780.11	40345.1
419 Rrp0769	33219.59	29267.99	33998.89	25958.99	27553.35	24902.5
420 Rrp0224	20009.63	13627	10686.78	24148.24	19938.78	21115.26
421 Rrp0157	93356.96	133458.2	91794.45	143072.1	132272.4	89144.41
422 Rrp0560	10673.47	8300.485	12644.03	6815.611	3417.51	4059.673
423 Rrp0434	19966.34	15633	117917.5	35632.3	27330.88	34076.88

424 Rrp0296	95263.6	99772.04	98029.54	130736.8	104010.4	92217.76
425 Rrp0382	17093.11	17744.9	17906.46	12779.5	12646.17	12608.8
426 Rrp0136	186458.7	171366.5	203268.3	154115.7	200583.7	166748.4
427 Rrp0727	177608.4	200198.2	178157.2	205236	197685.7	183541.5
428 Rrp0605	7528.044	6606.767	7768.779	13254.26	13358.23	10387.86
429 Rrp0704	28740.5	26458.54	24404.17	30170.02	31158.4	34799.79
430 Rrp0571	30121.39	38312.29	37063.58	43190.06	36198.01	46676.75
431 Rrp0089	18040.01	19550.64	24170.48	11887.01	15697.48	17246.35
432 Rrp0365	149797.1	136035.8	135718.6	112154.5	112875.1	160345.6
433 Rrp0395	9202.325	17694.98	11958.52	6525.578	9094.435	7109.017
434 Rrp0324	3660293	4299819	3607363	3527582	4386042	3798728
435 Rrp0056	12323.04	12141.42	32829.66	27125.94	27688.18	25102.95
436 Rrp0016	1446921	1511671	1478776	1461091	1498951	1434730
437 Rrp0211	228705.7	232942.8	191591.6	138934.1	227574.9	239314.8
438 Rrp0667	26671.04	28829.89	28191.28	31142.96	30175.64	35501.02
439 Rrp0120	408097.3	666080.2	552120.5	749401.9	520928.8	442021.8
440 Rrp0718	33166.39	28157.78	29411.14	22747.63	23741.52	29668.73
441 Rrp0101	88515.76	95948.8	84221.56	86608.13	96031.55	106731.5
442 Rrp0548	1217307	1461207	1096239	1383679	1221967	1251322
443 Rrp0458	93952.92	123883.1	86047.71	83959.33	108834.4	82772.62
444 Rrp0187	131707.5	114661.1	147383.4	155355.4	123252.8	141880
445 Rrp0416	62588.08	12164.14	12135.01	14680.37	5126.817	111157.5
446 Rrp0403	52384.83	51092.68	51758.4	54759.78	54537.48	54290.55
447 Rrp0630	345836.6	327190.6	335044.1	361705.4	375458.6	304232.8
448 Rrp0377	36806.02	139962.5	40796.73	106963.8	58648.02	93529.73
449 Rrp0776	12895.52	15221.86	10032.5	16078.15	14779.47	18175.39
450 Rrp0014	2.41E+08	2.55E+08	2.36E+08	2.48E+08	2.59E+08	2.25E+08
451 Rrp0007	15845.95	22179.32	16155.65	21897.26	22111.95	21347.96
452 Rrp0550	141288.5	117287.9	137376.3	122273.3	121448.7	133818.6
453 Rrp0302	348701.9	390330.9	300694.8	326869.8	373227.9	304424.5
454 Rrp0178	54980.51	52076.7	43356.19	52660.82	75681.58	42159.42
455 Rrp0622	12399.38	10440.04	10771.85	12022.38	14362.45	14818.47
456 Rrp0767	15625.56	19799.31	14409.2	22012.58	21765.47	16120.78
457 Rrp0693	92661.29	78048.1	71335.04	171687.9	15680.29	94045.17
458 Rrp0179	19690.66	8816.979	9081.014	1927.183	16213.94	5733.5
459 Rrp0042	623900.8	626271.5	606988.7	596777.4	655466	628682.3
460 Rrp0394	13753.17	13587.77	10462.01	15528.43	13307.82	16714.1
461 Rrp0362	18991.02	16612.16	13656.85	15515.97	14165.28	11533.92
462 Rrp0374	51393.33	109406.2	43736.02	69313.6	79725.99	29297.58
463 Rrp0353	4749.422	1596.578	3473.527	1080.86	636.525	2121.958
464 Rrp0586	716707.3	807602	759126.5	773244.7	782158.6	697119.5
465 Rrp0138	32593.83	27898.91	29660.75	28010.82	25535.15	29391.33
466 Rrp0118	108935.6	94565.69	93846.6	105836.3	114270.3	91725.92
467 Rrp0501	35432.25	20463.49	61795.61	14260.16	19753.03	62704.01
468 Rrp0401	15092.1	11255.03	12346.92	14875.9	14560.31	14710.05
469 Rrp0601	88314.82	87380.02	110063.8	29163.5	27559.77	264875.2
470 Rrp0325	12325.28	134849.4	15500.37	19411.77	14835.85	99149.21
471 Rrp0038	328633.9	289088.5	343697.9	316451.1	322815.1	305931.4
472 Rrp0425	11340.24	19572.46	14004.22	3637.521	16020.4	16997.06
473 Rrp0758	16374.45	31712.62	10940.16	23771.18	20263.63	23916.19
474 Rrp0541	148231.9	237015.1	211280.6	184082.1	173570.8	219112.9
475 Rrp0343	12591.6	12988.45	16619.6	24524.09	6002.041	2870.651
476 Rrp0081	15548.9	12783.3	15941.03	12784.63	14794.32	12822.39

477 Rrp0054	22236.87	21854	15346.74	18335.84	18864.01	17326.79
478 Rrp0301	80901.49	70721.38	9002.805	50480.2	47772.52	48213.75
479 Rrp0242	51231.49	28554.66	40648.17	40054.21	37119.03	35856.3
480 Rrp0397	9719.68	12836.09	7244.166	11654.04	7178.583	6568.366
481 Rrp0389	14714.82	147576.8	16879.15	135851.7	11053.42	11183.25
482 Rrp0733	15265.24	14884.77	14833.14	14402.38	14803.34	19381.82
483 Rrp0487	13650.29	13949.82	14568.85	12853.65	13346.84	13948
484 Rrp0431	894002.3	997818	1061288	928705.6	1030930	972423
485 Rrp0291	26178.25	5997.253	10445.84	8519.708	14514.22	25864.95
486 Rrp0335	11894.79	13352.25	14717.09	14803.83	11562.88	10941.47
487 Rrp0082	211501.7	242856.5	248210.6	248714.7	212093.3	234068.1
488 Rrp0435	8072.033	15523.09	20904.67	13114.83	23098.93	12271.96
489 Rrp0156	13139.94	11386.41	12248.39	4266.122	31314.76	5656.925
490 Rrp0295	13633.78	13171.76	11084.4	8285.525	2056.534	23752.17
491 Rrp0084	48178.45	64971.53	69315.27	51600.37	70893.96	55272.45
492 Rrp0553	5633.678	6862.439	5507.348	3244.95	5356.681	11568.85
493 Rrp0314	50633.27	39959.98	27977.14	23636.32	50862.19	48444.13
494 Rrp0506	9157.423	8398.763	4758.179	16058.54	2746.378	963.2025
495 Rrp0342	20178.8	31775.77	7749.208	9603.752	14434.98	39103.14
496 Rrp0180	171583	236423.7	172874.4	187797.7	214954	182387.4
497 Rrp0011	1.16E+08	1.17E+08	1.12E+08	1.16E+08	1.19E+08	1.1E+08
498 Rrp0372	12158.88	16498.68	18984.73	14829.28	14904.66	16699.97
499 Rrp0215	51154.05	24535.16	21299.7	46181.8	34613.7	19278.22
500 Rrp0650	2362255	2513002	2897046	2771470	2267211	2741161
501 Rrp0494	19572.72	28704.11	33519.27	33967.48	26605.23	22714.48
502 Rrp0057	30134.9	38013	32841.19	37927.47	31065.63	30814.6
503 Rrp0524	18628.3	12258.99	35863.73	34595.18	12079	21460.45
504 Rrp0375	19042.4	15539.79	11178.67	10519.06	19873.32	15853.66
505 Rrp0468	23391.25	25529.88	21122.26	22838.93	20268.66	26665.74

control_me:case_mean	log2FoldCh	Pvalue	padj	vip	regulate
1.9E+08	1.36E+09	2.837498	6.18E-09	1.58E-06	7.378923 Up
1.9E+08	1.35E+09	2.829548	3.26E-07	2.06E-05	7.342073 Up
1.87E+08	1.31E+09	2.811955	1.36E-07	1.72E-05	7.23932 Up
1.92E+08	1.29E+09	2.745279	2.07E-07	2.06E-05	7.148022 Up
4.03E+08	1.26E+09	1.641204	3.57E-06	0.000127	6.304257 Up
4.33E+08	1.24E+09	1.514012	2.83E-07	2.06E-05	6.116578 Up
20859510	7.71E+08	5.20721	3.70E-05	0.000492	5.892695 Up
11795347	4.65E+08	5.302281	3.90E-05	0.000492	4.58497 Up
3049945	4.26E+08	7.124951	7.35E-08	1.24E-05	4.435642 Up
9.04E+08	7.32E+08	-0.30354	0.000334	0.00211	2.805088 Normal
3.68E+08	5.28E+08	0.518941	0.0014	0.005845	2.68501 Normal
47164506	2.05E+08	2.123147	0.000785	0.003795	2.684429 Up
48589065	2.03E+08	2.064835	0.000142	0.001261	2.671328 Up
1.18E+09	1.05E+09	-0.16646	0.012449	0.029937	2.332689 Normal
7.45E+08	8.58E+08	0.202904	0.001475	0.005959	2.251094 Normal
1.04E+08	2.13E+08	1.033534	0.000528	0.002838	2.231411 Up
8019509	1.14E+08	3.827322	0.000265	0.001878	2.204887 Up
1.04E+08	14608711	-2.82489	1.90E-06	8.70E-05	2.033235 Down
1.28E+09	1.19E+09	-0.11152	0.031736	0.0665	1.948035 Normal
2.27E+08	1.43E+08	-0.66416	0.009748	0.024014	1.893943 Normal
2.16E+08	1.39E+08	-0.63526	0.000699	0.003463	1.871278 Normal
32202382	1.07E+08	1.731156	9.17E-06	0.000211	1.862422 Up
1.5E+08	76460778	-0.97045	6.16E-06	0.000164	1.847117 Normal
5.1E+08	6.03E+08	0.241597	0.071191	0.130733	1.826459 Normal
5.87E+08	4.21E+08	-0.47926	0.409139	0.51016	1.808769 Normal
2.05E+08	1.35E+08	-0.60532	0.000823	0.003848	1.790191 Normal
1.36E+08	66343390	-1.03359	0.000261	0.001878	1.787155 Down
35308867	1E+08	1.504851	0.000237	0.001812	1.728083 Up
214021.1	63189123	8.205779	3.39E-06	0.000127	1.71154 Up
76623591	18534444	-2.04758	1.08E-05	0.000237	1.643151 Down
1.85E+08	1.26E+08	-0.55089	0.004577	0.013285	1.604178 Normal
2.55E+08	3.09E+08	0.280938	0.009663	0.02392	1.528742 Normal
8.63E+08	8.11E+08	-0.09069	0.031174	0.065596	1.444189 Normal
6348292	50453496	2.990514	0.0002	0.001649	1.425013 Up
8.91E+08	8.47E+08	-0.07242	0.001819	0.006831	1.400674 Normal
4922683	43019267	3.127466	0.000677	0.003417	1.317185 Up
64879591	30739315	-1.07768	0.000867	0.003979	1.246085 Down
62079368	28849177	-1.10558	0.000346	0.002158	1.234803 Down
1.12E+08	1.48E+08	0.401387	0.014039	0.032975	1.22791 Normal
3.06E+08	2.72E+08	-0.17321	0.057304	0.109203	1.134172 Normal
51642935	25487202	-1.0188	3.83E-06	0.000127	1.102847 Down
48274337	23715005	-1.02546	5.63E-06	0.000158	1.068461 Down
30775159	7422833	-2.05172	2.51E-05	0.000373	1.040934 Down
36896904	13605965	-1.43926	8.90E-05	0.000899	1.037058 Down
1.53E+08	1.24E+08	-0.30052	0.073533	0.134544	1.014168 Normal
28856777	7295700	-1.98379	3.08E-05	0.000445	1.00004 Down
29819898	8826408	-1.75638	6.77E-05	0.000728	0.985648 Down
43856053	65320951	0.57477	0.006487	0.017518	0.965376 Normal
26258562	6932835	-1.92127	8.17E-06	0.000196	0.947361 Down
2.56E+08	2.29E+08	-0.15674	0.102981	0.172906	0.93771 Normal
20600739	4217284	-2.28831	7.98E-06	0.000196	0.872862 Down
20846482	33631544	0.690011	0.001853	0.006879	0.757814 Normal

42045296	29623072	-0.50522	0.000802	0.003821	0.751512	Normal
3859508	14905948	1.949399	1.54E-05	0.000277	0.716081	Up
32814642	44198136	0.429646	0.007232	0.018922	0.702637	Normal
1350658	11382789	3.07512	5.47E-06	0.000158	0.682738	Up
14583576	24493357	0.748046	0.000177	0.0015	0.67602	Normal
5493855	14738913	1.423739	1.25E-05	0.000244	0.655188	Up
12577663	3193519	-1.97765	0.002681	0.00897	0.647442	Down
5.17E+08	4.61E+08	-0.1664	0.771063	0.835594	0.642817	Normal
16056857	7564774	-1.08582	0.000636	0.003275	0.622061	Down
9396298	1587780	-2.56508	0.000441	0.002588	0.597973	Down
3164964	11776030	1.895592	0.023597	0.051587	0.589544	Normal
23208685	15566568	-0.57621	0.003274	0.010465	0.583188	Normal
4057112	11700084	1.527994	0.003255	0.010465	0.582118	Up
874464.6	7731973	3.144365	4.01E-06	0.000127	0.564732	Up
829505.1	7476730	3.172085	9.13E-05	0.000904	0.554037	Up
15717654	9097781	-0.7888	0.001238	0.005389	0.547604	Normal
18886923	12423661	-0.6043	7.39E-05	0.000778	0.546684	Normal
8399708	1983979	-2.08194	3.86E-05	0.000492	0.544966	Down
9.75E+08	9.95E+08	0.028629	0.545148	0.642387	0.530548	Normal
21052034	14961447	-0.49271	0.004379	0.012857	0.517871	Normal
31693969	25391225	-0.31988	0.013417	0.031811	0.516299	Normal
9143573	3351928	-1.44777	0.000209	0.001649	0.516078	Down
31203538	25426737	-0.29536	0.017763	0.040045	0.490493	Normal
1968448	7078903	1.846467	2.51E-05	0.000373	0.486839	Up
9129170	3431672	-1.41157	0.018944	0.042145	0.486185	Down
20840192	15611565	-0.41675	0.007098	0.018766	0.476228	Normal
12178599	17122539	0.491548	0.000472	0.00269	0.475253	Normal
20541312	15308027	-0.42424	0.010994	0.026822	0.471722	Normal
35798025	30236926	-0.24357	0.041291	0.083408	0.464006	Normal
14042512	9479278	-0.56695	0.001826	0.006831	0.452508	Normal
8933558	13601794	0.60649	0.007168	0.018852	0.449907	Normal
14821892	19572464	0.401096	0.018906	0.042145	0.443567	Normal
8960846	4594167	-0.96383	0.002682	0.00897	0.44121	Normal
8705589	4380957	-0.9907	0.002179	0.007487	0.439986	Normal
12354481	16406096	0.409198	0.008235	0.020743	0.418265	Normal
9778102	6231921	-0.64988	0.000941	0.004205	0.401439	Normal
1.01E+08	96101583	-0.07228	0.127673	0.202116	0.397793	Normal
2150906	5495590	1.35333	3.34E-05	0.000469	0.393777	Up
41140145	35778925	-0.20144	0.201478	0.289052	0.390597	Normal
2173239	5505269	1.340966	0.003556	0.011086	0.384484	Up
4858267	1685263	-1.52747	0.000482	0.002707	0.380531	Down
7907325	4753402	-0.73423	0.002729	0.009006	0.375242	Normal
14282852	10429734	-0.45358	0.064582	0.121241	0.375104	Normal
612894.2	3374232	2.460849	2.97E-07	2.06E-05	0.35848	Up
11782183	8563759	-0.46029	0.040259	0.081979	0.353136	Normal
3745492	6487550	0.792518	0.00639	0.017395	0.345863	Normal
4539561	1972715	-1.20237	0.00045	0.00261	0.343119	Down
14885.17	2487493	7.384673	6.28E-09	1.58E-06	0.339321	Up
4864765	2392530	-1.02383	1.88E-05	0.000317	0.338805	Down
2445468	35856.06	-6.09175	0.001411	0.005845	0.329351	Down
2819284	5142360	0.867102	1.21E-05	0.000244	0.328411	Normal
4489903	2207579	-1.02422	0.00631	0.017319	0.314847	Down
3340866	5814515	0.799437	0.045836	0.089718	0.30642	Normal

198035.5	4133901	4.383673	0.316719	0.420903	0.299453	Normal
5059101	3106734	-0.70348	0.017256	0.039253	0.2853	Normal
3721460	1891567	-0.97629	0.004802	0.013701	0.283071	Normal
344562.6	2060625	2.580244	0.000301	0.001972	0.280539	Up
4122907	2477016	-0.73506	0.000543	0.002889	0.273898	Normal
5287519	3656412	-0.53216	0.001716	0.006566	0.270861	Normal
5437116	7215882	0.408334	0.024794	0.053509	0.267939	Normal
5188060	3576152	-0.53679	0.004101	0.012402	0.266533	Normal
376548	1878150	2.318407	1.39E-05	0.000259	0.264022	Up
2632251	4235067	0.686088	0.011949	0.028872	0.260493	Normal
3251735	4697695	0.530743	1.13E-05	0.000237	0.259064	Normal
2726610	1258246	-1.11569	0.001262	0.005449	0.257696	Down
2538520	1147127	-1.14596	0.000207	0.001649	0.253282	Down
5924679	4540984	-0.38373	0.000316	0.002044	0.251917	Normal
4931235	3644565	-0.4362	0.00158	0.006235	0.240708	Normal
3077463	1824438	-0.75429	0.001528	0.006126	0.237672	Normal
4914525	3736928	-0.3952	0.000474	0.00269	0.231982	Normal
59848654	57405234	-0.06014	0.359942	0.464318	0.228613	Normal
7505593	9196224	0.293076	0.154152	0.238794	0.227037	Normal
14099969	12264759	-0.20117	0.215133	0.305174	0.225457	Normal
407445.1	1532568	1.911274	0.002019	0.007335	0.224649	Up
853194.6	1967802	1.205638	0.001971	0.007211	0.223631	Up
1702262	623375.1	-1.44928	7.88E-05	0.000812	0.223415	Down
4955679	6313211	0.349291	0.082344	0.145907	0.2186	Normal
4341311	5458718	0.330431	0.027244	0.058546	0.211143	Normal
417845.8	1370379	1.713533	0.000372	0.00229	0.208921	Up
2704988	1776910	-0.60625	0.000423	0.002515	0.206153	Normal
2013333	1155686	-0.80084	0.000272	0.001878	0.198446	Normal
3128970	4036908	0.367563	0.007415	0.019302	0.198248	Normal
4237337	3237298	-0.38837	0.041128	0.083408	0.197144	Normal
333915.8	1153690	1.788699	0.001684	0.006492	0.191915	Up
3041719	1932294	-0.65457	0.119575	0.193146	0.190585	Normal
3908996	4910163	0.328973	0.074264	0.134904	0.189152	Normal
20981516	19474574	-0.10753	0.308666	0.414564	0.188228	Normal
3578500	2797460	-0.35524	0.002556	0.008661	0.186894	Normal
3852327	4646468	0.270404	0.006203	0.017211	0.186229	Normal
189800.1	941584.3	2.310609	0.000864	0.003979	0.184946	Up
1.33E+08	1.31E+08	-0.02448	0.531327	0.631342	0.183557	Normal
611404.3	1327349	1.118349	1.72E-05	0.0003	0.182329	Up
2145173	1419356	-0.59586	0.002439	0.008324	0.180032	Normal
557705.9	2094734	1.909191	0.383264	0.483871	0.175872	Normal
1300578	593106	-1.13279	0.006407	0.017395	0.175257	Down
74584.77	1468876	4.299688	0.342324	0.44555	0.174074	Normal
327968.9	975982.6	1.573297	4.32E-05	0.000507	0.173159	Up
253912.6	907186.6	1.837067	0.000271	0.001878	0.173152	Up
280098.4	1902766	2.764092	0.4285	0.528232	0.172811	Normal
2417278	3118114	0.367291	0.016228	0.037083	0.170993	Normal
290714.6	908613.4	1.644063	0.000334	0.00211	0.168149	Up
207015.3	767399.1	1.890239	0.000528	0.002838	0.159976	Up
1262868	684517.2	-0.88355	0.003835	0.011737	0.159577	Normal
10356548	8178836	-0.34058	0.664807	0.751069	0.15313	Normal
97847.94	600876.4	2.618455	4.26E-05	0.000507	0.152709	Up
248397	757281.4	1.608182	0.001072	0.004748	0.151781	Up

12456021	14991371	0.267289	0.703622	0.780943	0.150901	Normal
1908831	1386001	-0.46176	0.006857	0.018321	0.150735	Normal
796693.9	300659.8	-1.40589	0.000728	0.00357	0.150214	Down
1437640	964950.4	-0.57518	0.000128	0.001193	0.14778	Normal
5053392	4562679	-0.14737	0.015403	0.035519	0.143425	Normal
9778595	8857135	-0.14279	0.327512	0.431837	0.143177	Normal
2911184	2350482	-0.30865	0.078347	0.140801	0.140964	Normal
3759958	3122612	-0.26796	0.148238	0.231051	0.140874	Normal
646309.4	220648.8	-1.55047	0.000116	0.001106	0.140089	Down
554549.7	983708.1	0.826913	0.000821	0.003848	0.139637	Normal
4189581	3501587	-0.2588	0.213125	0.303177	0.137696	Normal
1211219	787445.4	-0.62121	0.00586	0.01644	0.136221	Normal
415892.3	820950.6	0.981086	0.002069	0.007357	0.1349	Normal
3566693	3031427	-0.23459	0.103059	0.172906	0.13481	Normal
1015557	1425694	0.489393	0.004647	0.013411	0.134436	Normal
4195002	3564709	-0.23489	0.207729	0.296336	0.132967	Normal
22196824	21447259	-0.04956	0.311681	0.4164	0.132381	Normal
1015443	516232.4	-0.97602	0.092789	0.159383	0.131864	Normal
474094	866940.3	0.87076	0.003509	0.011072	0.131789	Normal
865498.1	495119.5	-0.80575	0.001329	0.005641	0.129338	Normal
16703.77	356927.2	4.417384	6.74E-07	3.78E-05	0.125823	Up
1827138	1435357	-0.34818	0.03081	0.0651	0.124978	Normal
101576.6	426546.2	2.070133	0.00011	0.001069	0.122508	Up
143799	469936.9	1.708413	0.00028	0.001882	0.122275	Up
401894.8	733917.9	0.868801	0.00768	0.019587	0.119551	Normal
186987.6	884194.3	2.241421	0.377549	0.480257	0.119177	Normal
1730657	1350530	-0.35779	0.055474	0.106518	0.119053	Normal
1143563	822846.3	-0.47484	0.010268	0.025171	0.117101	Normal
602674.7	313609.7	-0.94241	0.001435	0.005845	0.114314	Normal
3603629	4028443	0.160772	0.167919	0.25389	0.113162	Normal
9198761	7673523	-0.26155	0.718791	0.792554	0.112442	Normal
671299.1	376614.5	-0.83387	0.015126	0.035039	0.111017	Normal
533866.4	810170.2	0.601746	0.003986	0.012126	0.110607	Normal
966639.8	695628.3	-0.47466	0.003503	0.011072	0.109554	Normal
10311905	11073021	0.102738	0.510321	0.613601	0.109307	Normal
940851.6	673500.8	-0.48229	0.002723	0.009006	0.10917	Normal
1507505	1144729	-0.39716	0.119712	0.193146	0.108385	Normal
958040.4	693198.9	-0.46682	0.007001	0.018607	0.107258	Normal
87314.4	332737.7	1.930094	3.82E-06	0.000127	0.10685	Up
283945.3	530895.6	0.902815	0.000208	0.001649	0.106669	Normal
128832.2	387561.4	1.588932	0.007598	0.019576	0.105547	Up
243341	627395.9	1.366397	0.185208	0.269019	0.105265	Normal
1311509	1015993	-0.36834	0.055875	0.106883	0.104916	Normal
325040.7	82995.17	-1.96952	0.001435	0.005845	0.104514	Down
616847.3	367194.1	-0.74837	0.007652	0.019587	0.10392	Normal
753460.3	996409.4	0.403207	0.017616	0.039892	0.100473	Normal
343019.4	121169.8	-1.50126	0.001428	0.005845	0.100003	Down
429897.2	215180.8	-0.99844	0.000267	0.001878	0.099381	Normal
93182.59	319946.8	1.7797	0.011067	0.02687	0.097985	Up
13149982	12473493	-0.0762	0.577928	0.670928	0.097409	Normal
2330384	2075921	-0.16682	0.067719	0.125728	0.096016	Normal
485995.8	249682.8	-0.96085	0.042268	0.084704	0.095326	Normal
3112732	2869333	-0.11747	0.053499	0.103514	0.095167	Normal

697656.3	502768.1	-0.47262	0.000263	0.001878	0.094623	Normal
910155.9	703307.3	-0.37196	0.008471	0.021072	0.094468	Normal
119212.7	414076.8	1.796361	0.158427	0.242441	0.094361	Normal
304569	93185.29	-1.7086	0.014299	0.03343	0.094075	Down
853471.3	1249776	0.550255	0.340935	0.444889	0.093207	Normal
131556.9	318789.1	1.276915	0.000297	0.001972	0.092774	Up
851682.6	567995.8	-0.58444	0.173303	0.259697	0.092327	Normal
2128191	2384751	0.164211	0.123918	0.197474	0.090871	Normal
481101.8	665469.8	0.468031	0.00472	0.013543	0.090071	Normal
1545366	777335.8	-0.99134	0.657276	0.745898	0.089294	Normal
968173.6	791769.1	-0.29019	0.00353	0.011072	0.088479	Normal
1171465	952012.5	-0.29926	0.085455	0.150364	0.087785	Normal
104108.4	273251.1	1.392141	0.001547	0.006153	0.087157	Up
5606978	5284747	-0.08539	0.327107	0.431837	0.085819	Normal
7670371	7275784	-0.07619	0.44916	0.550548	0.08492	Normal
962405.3	760917.4	-0.3389	0.079541	0.142185	0.084791	Normal
195865.2	383024.5	0.967576	0.052771	0.102893	0.083599	Normal
479986.5	327528.9	-0.55137	0.000562	0.002954	0.083353	Normal
74398.74	225171.7	1.597676	0.000178	0.0015	0.08327	Up
51106.61	204789.1	2.002557	0.002119	0.007432	0.082899	Up
1337008	1143401	-0.22568	0.085864	0.15056	0.082193	Normal
376048	208676.5	-0.84965	0.03314	0.06887	0.081236	Normal
2523509	2296223	-0.13617	0.185384	0.269019	0.081212	Normal
9.61E+08	9.58E+08	-0.00396	0.919869	0.938452	0.079753	Normal
209431	73155.85	-1.51743	0.000492	0.002732	0.078938	Down
277258.4	35845.45	-2.95137	0.258291	0.352533	0.078141	Normal
567797.4	966970.3	0.768095	0.535626	0.634956	0.077088	Normal
596751.4	421916.7	-0.50017	0.105871	0.176277	0.076843	Normal
23805.61	148561.5	2.641687	0.000409	0.002461	0.07555	Up
143002.7	16000.44	-3.15986	0.001738	0.0066	0.07553	Down
1010413	841709.1	-0.26355	0.099281	0.168812	0.075515	Normal
184677.7	65146.68	-1.50325	1.26E-06	6.35E-05	0.074564	Down
194726.3	376199.4	0.95005	0.156017	0.240944	0.074258	Normal
850771.6	704490.2	-0.27219	0.054989	0.105991	0.073707	Normal
356390.9	216730.5	-0.71756	0.041678	0.083854	0.073408	Normal
467336.6	334715.7	-0.48153	0.03202	0.066819	0.072496	Normal
671897.3	540869.1	-0.31296	0.034614	0.071346	0.072041	Normal
208246.7	75086.57	-1.47167	0.037883	0.077452	0.07199	Normal
158986.2	42777.46	-1.89398	0.005381	0.015182	0.071412	Down
3135855	2923098	-0.10136	0.298049	0.401373	0.070814	Normal
147612.1	322996.6	1.129708	0.193436	0.279101	0.070687	Normal
210502.3	96965.18	-1.1183	0.005368	0.015182	0.070598	Down
522330.6	664442.2	0.347181	0.104058	0.174004	0.069382	Normal
331235.3	204758.1	-0.69394	0.059729	0.11297	0.06832	Normal
19388107	18802848	-0.04422	0.738018	0.806242	0.06832	Normal
56199.73	158893	1.499421	0.00121	0.005315	0.068209	Up
1032812	1359830	0.396849	0.549935	0.645854	0.067947	Normal
286848.8	67308.9	-2.09142	0.36134	0.464318	0.067769	Normal
36364.38	134317.5	1.88505	0.00014	0.001261	0.067243	Up
410633.6	512766.1	0.320449	0.008155	0.020694	0.06622	Normal
2152681	1979803	-0.12078	0.27151	0.366611	0.065605	Normal
103449.1	11220.74	-3.20468	2.37E-05	0.000373	0.065371	Down
120978.6	28861.37	-2.06754	6.33E-05	0.000711	0.06532	Down

16944.98	106302.3	2.649243	0.001293	0.005532	0.063554	Up
237993.6	146959.2	-0.69551	0.004479	0.013074	0.063305	Normal
412810.3	519739.5	0.33231	0.053161	0.103255	0.063252	Normal
339548.4	538807.6	0.666153	0.399444	0.499305	0.063233	Normal
1340064	1234307	-0.1186	0.061826	0.116501	0.062293	Normal
96514.07	180622.3	0.904165	0.000135	0.001241	0.062237	Normal
1778041	1876744	0.077944	0.065901	0.12326	0.060173	Normal
324705.2	405241.6	0.319652	0.001595	0.006244	0.060158	Normal
606599.2	956961	0.657717	0.670081	0.751979	0.059956	Normal
3083200	2905615	-0.08558	0.390291	0.490291	0.059827	Normal
3323633	3125958	-0.08846	0.448276	0.550548	0.059293	Normal
92471.82	226283	1.291043	0.247748	0.341839	0.058905	Normal
221868.5	86856.3	-1.353	0.262585	0.357427	0.058486	Normal
41158.82	116222.7	1.497619	0.004173	0.012545	0.05758	Up
643460.8	520412.6	-0.3062	0.219681	0.310753	0.057564	Normal
652182.3	744258.4	0.190528	0.076206	0.137443	0.057366	Normal
171812.7	95534.38	-0.84674	0.014811	0.034467	0.056328	Normal
56868.07	133813	1.234528	0.021151	0.046642	0.056313	Up
41877222	42909814	0.035142	0.882235	0.912969	0.055993	Normal
175945.9	107116.9	-0.71595	0.000917	0.004136	0.055823	Normal
124736.8	229606.3	0.880274	0.174526	0.260498	0.055679	Normal
68025.46	139320.4	1.03426	0.006156	0.017177	0.055669	Up
135280	64799	-1.0619	0.004271	0.012688	0.055616	Down
20701.67	89326.16	2.109335	0.002054	0.007357	0.055488	Up
40900.15	108645.4	1.409449	0.001682	0.006492	0.055165	Up
24421.95	102244.8	2.065777	0.042607	0.084881	0.054873	Normal
381651.7	504353.6	0.402179	0.314902	0.419592	0.053489	Normal
164696.7	102986.9	-0.67735	0.000516	0.002835	0.053054	Normal
76268.89	14341.27	-2.41092	0.00091	0.004136	0.052993	Down
81543.2	17988.6	-2.18048	0.003598	0.011148	0.052976	Down
688670.1	584674.3	-0.23618	0.229896	0.324294	0.052719	Normal
2066621	1912922	-0.1115	0.450523	0.550881	0.052678	Normal
130299.7	39164.07	-1.73423	0.180408	0.265615	0.052067	Normal
1367920	1457467	0.091479	0.168883	0.254585	0.052047	Normal
72893.55	180854.3	1.310965	0.263803	0.35812	0.051893	Normal
74435.99	16611.25	-2.16384	3.85E-05	0.000492	0.051758	Down
251799.1	174726.3	-0.52718	0.09133	0.157951	0.051452	Normal
166448.4	66375.89	-1.32634	0.25251	0.346515	0.051295	Normal
1203956	1087722	-0.14647	0.322158	0.427008	0.051282	Normal
32880.82	98811.28	1.58743	0.029526	0.062649	0.051206	Normal
120181.7	31469.57	-1.93319	0.169838	0.255263	0.051152	Normal
569178.9	494067.9	-0.20417	0.098247	0.167617	0.050916	Normal
142075.2	85227.98	-0.73726	0.000789	0.003795	0.05079	Normal
631548.3	695216.5	0.138569	0.024719	0.053509	0.050739	Normal
407780.2	281605.5	-0.53412	0.421862	0.52473	0.048723	Normal
112081.8	33320.57	-1.75007	0.178883	0.26414	0.048412	Normal
195227.4	141347.3	-0.46591	0.008297	0.020743	0.048216	Normal
62459.32	11417.42	-2.45168	0.000648	0.003308	0.048183	Down
375215.9	285949.6	-0.39196	0.26727	0.361854	0.047193	Normal
65824.1	16440.28	-2.00138	0.001931	0.007119	0.047174	Down
35950.41	84927.65	1.240226	0.00215	0.007487	0.04688	Up
84255.06	15727.56	-2.42147	0.128315	0.202497	0.046672	Normal
261704.7	198585.6	-0.39818	0.099974	0.16942	0.04632	Normal

184580.6	136322.6	-0.43723	0.002905	0.009463	0.046273	Normal
82796.08	35917.4	-1.20488	0.003775	0.011623	0.045485	Down
82860.53	37982.07	-1.12537	0.002099	0.007414	0.044934	Down
474968	409714	-0.21321	0.157329	0.241493	0.04472	Normal
30608.98	73648.16	1.266694	0.000575	0.002993	0.044298	Up
92680.34	139525.1	0.59019	0.016208	0.037083	0.044241	Normal
29868.43	103775	1.796765	0.23848	0.33177	0.044047	Normal
96177.8	29335.9	-1.71304	0.183572	0.267931	0.043876	Normal
220073.9	167232.5	-0.39613	0.074217	0.134904	0.043479	Normal
248498.6	304469.1	0.293058	0.110828	0.181715	0.043116	Normal
17069757	16740439	-0.02811	0.802812	0.860765	0.043093	Normal
75320.99	35474.41	-1.08627	6.76E-05	0.000728	0.042957	Down
283378.1	236918.1	-0.25834	0.035265	0.072394	0.042699	Normal
262676.7	208223.4	-0.33516	0.141324	0.221642	0.041617	Normal
108077.2	69864.83	-0.62942	0.00423	0.012639	0.041032	Normal
139861.1	99193.62	-0.49568	0.019352	0.042864	0.040896	Normal
1385429	1249912	-0.14851	0.616689	0.70779	0.040631	Normal
135599.3	172524.9	0.347454	0.002885	0.009461	0.040583	Normal
213551.1	164986.5	-0.37223	0.106673	0.176623	0.040507	Normal
427040.1	482550.9	0.17631	0.182463	0.267084	0.040408	Normal
97618.06	62726.01	-0.63808	0.000686	0.003432	0.039899	Normal
1973624	1666286	-0.24421	0.828735	0.877382	0.039847	Normal
2260605	2149508	-0.0727	0.559223	0.652212	0.039805	Normal
1096428	1195707	0.125053	0.528758	0.629771	0.039542	Normal
114761.4	149558.5	0.382072	0.002058	0.007357	0.039437	Normal
82006.76	116872.6	0.511122	0.007519	0.019472	0.038858	Normal
57669.53	20960.43	-1.46014	0.028343	0.06065	0.038309	Normal
57212.5	90317.56	0.658676	0.00435	0.012846	0.038186	Normal
389577.1	234875.1	-0.73002	0.700593	0.779294	0.037843	Normal
459892.8	406713.6	-0.17728	0.231083	0.325061	0.037776	Normal
66062.62	99921.12	0.596955	0.013836	0.032651	0.037656	Normal
15092.23	60492.8	2.002958	0.156632	0.241156	0.037435	Normal
41055.14	2580.044	-3.9921	0.090012	0.156207	0.036648	Normal
3209340	3330300	0.053376	0.647068	0.737628	0.036635	Normal
244413.7	210441.7	-0.2159	0.045634	0.089669	0.036049	Normal
25427.15	64635.31	1.345953	0.123959	0.197474	0.035812	Normal
16086.98	43823.7	1.445817	0.000396	0.002412	0.035622	Up
226810.9	190594.3	-0.25098	0.087485	0.152871	0.035598	Normal
217067.2	265195.7	0.288916	0.23613	0.331238	0.035573	Normal
106492.5	68713.18	-0.63209	0.106115	0.176277	0.035409	Normal
31721.13	92824.15	1.549056	0.389895	0.490291	0.035268	Normal
179838	143501.1	-0.32564	0.102488	0.172906	0.035044	Normal
143206.9	102552.4	-0.48174	0.163603	0.248107	0.034819	Normal
56597.66	23402.51	-1.27408	0.070017	0.129046	0.034687	Normal
70954.96	110212.7	0.635314	0.175126	0.260498	0.033927	Normal
527805.1	599441.3	0.183613	0.514746	0.614532	0.033675	Normal
82710.74	54740.04	-0.59548	0.034084	0.070542	0.033196	Normal
13242.38	35805.75	1.435029	2.28E-05	0.000371	0.032346	Up
190260.9	222245.7	0.224177	0.125326	0.199024	0.031957	Normal
59743.87	13882.6	-2.10551	0.365816	0.467689	0.031484	Normal
24516.85	47209.03	0.945289	0.006239	0.017218	0.031454	Normal
275384	311941	0.179828	0.237792	0.33177	0.031052	Normal
14034.65	34933.57	1.315621	0.000279	0.001882	0.030986	Up

38464.51	15850.22	-1.27903	0.013338	0.031772	0.030956	Down
130375.6	157648.7	0.27404	0.091879	0.158358	0.030724	Normal
112170.5	90432.38	-0.31078	0.006641	0.017838	0.030684	Normal
67269.56	43833.3	-0.61793	0.028954	0.061696	0.030635	Normal
43012.02	22687.46	-0.92284	0.000148	0.001284	0.03062	Normal
389488.5	434551.4	0.157946	0.360916	0.464318	0.03058	Normal
48013.63	20231.63	-1.24683	0.109057	0.17998	0.030364	Normal
5159528	5403337	0.066612	0.862853	0.902154	0.030298	Normal
84422.8	56152.96	-0.58827	0.123097	0.197346	0.030181	Normal
124970.6	95424.38	-0.38916	0.160912	0.245501	0.029694	Normal
555564.5	516277.5	-0.10581	0.350299	0.454758	0.029195	Normal
1171449	1027405	-0.18929	0.823955	0.875994	0.029172	Normal
33269.73	14847.76	-1.16396	0.000224	0.001738	0.029113	Down
339567	368708.8	0.118786	0.194587	0.279962	0.02878	Normal
292779.9	248856.8	-0.2345	0.425059	0.526115	0.028542	Normal
35022.91	16284.31	-1.10482	0.012887	0.030844	0.028101	Down
784601.6	747252.1	-0.07037	0.375229	0.478512	0.027704	Normal
487472.3	460679.7	-0.08156	0.207007	0.296143	0.027476	Normal
268565.5	244439.7	-0.1358	0.176203	0.260945	0.026654	Normal
351645.6	387206.6	0.138981	0.423153	0.525042	0.026289	Normal
5660.903	18999.2	1.746834	0.002982	0.009653	0.024348	Up
15253.78	28092.33	0.88101	0.018472	0.041459	0.023087	Normal
31008.07	17102.7	-0.85842	0.04503	0.088828	0.022974	Normal
30736.81	49009.97	0.673108	0.242704	0.336719	0.021825	Normal
34037.59	44274.55	0.379349	4.51E-05	0.000517	0.021763	Normal
198278.8	182880.2	-0.11663	0.175385	0.260498	0.021409	Normal
552581.1	595379.1	0.107622	0.682867	0.762961	0.021193	Normal
24167.21	11901.94	-1.02185	0.068749	0.127173	0.021069	Normal
124946.5	176435.4	0.49783	0.718105	0.792554	0.020898	Normal
37064.29	24403.21	-0.60296	0.09463	0.161993	0.020787	Normal
19148.61	29635.22	0.630073	0.042693	0.084881	0.020097	Normal
17341.21	25768.65	0.571412	0.00024	0.001812	0.019675	Normal
18356.67	35017.95	0.931791	0.309601	0.414718	0.01967	Normal
49907.43	30572.68	-0.70701	0.428861	0.528232	0.019015	Normal
56084.4	71771.51	0.355812	0.33885	0.444465	0.018808	Normal
47627.75	37360.13	-0.3503	0.114771	0.186965	0.018316	Normal
1079135	1110393	0.041195	0.668409	0.751979	0.018208	Normal
180293.3	164596.7	-0.13141	0.378532	0.480298	0.018041	Normal
28586.09	19787.65	-0.53071	0.07968	0.142185	0.017685	Normal
129694.6	102083.1	-0.34537	0.657194	0.745898	0.01689	Normal
83906.52	104768	0.320344	0.600993	0.694511	0.016647	Normal
216614.2	203193.8	-0.09227	0.398513	0.499305	0.016258	Normal
72756.77	80671.71	0.148981	0.116774	0.189617	0.016134	Normal
21694.55	28712.52	0.404347	0.058995	0.112001	0.016096	Normal
2344570	2302229	-0.02629	0.792276	0.853091	0.016053	Normal
19457.84	26812.16	0.462536	0.08857	0.154233	0.016017	Normal
340080.7	324732.6	-0.06662	0.48027	0.58302	0.01589	Normal
56553.03	47158.09	-0.2621	0.251234	0.345704	0.015762	Normal
32162.16	26138.28	-0.2992	0.021959	0.048214	0.015679	Normal
14774.47	21734.09	0.556854	0.082805	0.146211	0.015544	Normal
106203.2	121496.3	0.194085	0.514038	0.614532	0.015419	Normal
10539.33	4764.265	-1.14546	0.024038	0.052323	0.015312	Normal
51172.29	32346.69	-0.66174	0.604069	0.696472	0.015168	Normal

97688.39	108988.3	0.157915	0.380313	0.481349	0.015144	Normal
17581.49	12678.16	-0.47171	4.24E-05	0.000507	0.015063	Normal
187031.2	173815.9	-0.10572	0.471864	0.574196	0.014926	Normal
185321.2	195487.7	0.07705	0.357573	0.463012	0.01474	Normal
7301.196	12333.45	0.756372	0.008286	0.020743	0.01471	Normal
26534.41	32042.74	0.272133	0.043095	0.085344	0.014531	Normal
35165.75	42021.61	0.25696	0.161516	0.24568	0.014463	Normal
20587.04	14943.61	-0.46221	0.081467	0.144862	0.014022	Normal
140517.1	128458.4	-0.12945	0.507962	0.612222	0.013828	Normal
12951.94	7576.343	-0.77359	0.109421	0.179993	0.013342	Normal
3855825	3904117	0.017957	0.893046	0.920384	0.013159	Normal
19098.04	26639.02	0.480117	0.336509	0.442545	0.013074	Normal
1479123	1464924	-0.01392	0.619184	0.709043	0.012956	Normal
217746.7	201941.3	-0.10872	0.668881	0.751979	0.012734	Normal
27897.4	32273.2	0.210206	0.067612	0.125728	0.012634	Normal
542099.3	570784.2	0.074388	0.820783	0.874463	0.012615	Normal
30245.1	25385.96	-0.25267	0.138705	0.218211	0.012399	Normal
89562.04	96457.04	0.106999	0.364602	0.467319	0.012144	Normal
1258251	1285656	0.031085	0.828164	0.877382	0.01185	Normal
101294.6	91855.44	-0.14112	0.545711	0.642387	0.011694	Normal
131250.7	140162.7	0.094778	0.538423	0.636777	0.011462	Normal
28962.41	43654.89	0.591961	0.717363	0.792554	0.011367	Normal
51745.31	54529.27	0.075603	0.002176	0.007487	0.011151	Normal
336023.7	347132.3	0.046922	0.647016	0.737628	0.011034	Normal
72521.76	86380.53	0.252292	0.724779	0.797415	0.010945	Normal
12716.63	16344.34	0.362075	0.113725	0.185861	0.010936	Normal
2.44E+08	2.44E+08	0.001545	0.983031	0.98694	0.010902	Normal
18060.31	21785.72	0.27056	0.146873	0.229631	0.010781	Normal
131984.2	125846.9	-0.0687	0.507342	0.612222	0.009906	Normal
346575.9	334840.7	-0.0497	0.739189	0.806242	0.009869	Normal
50137.8	56833.94	0.180854	0.558241	0.652212	0.009705	Normal
11203.76	13734.44	0.293815	0.074774	0.135343	0.009513	Normal
16611.36	19966.28	0.265395	0.254386	0.348143	0.009275	Normal
80681.47	93804.45	0.217419	0.787236	0.851294	0.009059	Normal
12529.55	7958.207	-0.65482	0.458228	0.558949	0.009017	Normal
619053.7	626975.2	0.018344	0.682888	0.762961	0.008983	Normal
12600.98	15183.45	0.268964	0.152465	0.236907	0.008879	Normal
16420.01	13738.39	-0.25724	0.23821	0.33177	0.008512	Normal
68178.52	59445.72	-0.19774	0.7521	0.818557	0.008258	Normal
3273.175	1279.781	-1.35479	0.121265	0.195028	0.008084	Normal
761145.3	750840.9	-0.01966	0.797883	0.8573	0.007985	Normal
30051.16	27645.76	-0.12036	0.246645	0.341248	0.007974	Normal
99115.96	103944.1	0.068619	0.588059	0.681123	0.007858	Normal
39230.45	32239.07	-0.28316	0.738152	0.806242	0.007422	Normal
12898.02	14715.42	0.19018	0.187664	0.271549	0.007206	Normal
95252.89	107199.5	0.170463	0.887384	0.916419	0.006678	Normal
54225.03	44465.61	-0.28627	0.851055	0.89538	0.006592	Normal
320473.4	315065.9	-0.02455	0.766484	0.832418	0.006272	Normal
14972.31	12218.33	-0.29325	0.606671	0.697879	0.005765	Normal
19675.74	22650.34	0.203114	0.663039	0.75075	0.005608	Normal
198842.5	192255.3	-0.0486	0.835612	0.882812	0.005554	Normal
14066.55	11132.26	-0.33752	0.691579	0.770966	0.005417	Normal
14757.74	13467.11	-0.13203	0.340884	0.444889	0.005335	Normal

19812.54	18175.55	-0.12441	0.512585	0.614532	0.005143	Normal
53541.89	48822.16	-0.13313	0.843953	0.889763	0.00503	Normal
40144.77	37676.51	-0.09155	0.730028	0.801443	0.004682	Normal
9933.313	8466.997	-0.23042	0.554765	0.650015	0.004632	Normal
59723.59	52696.14	-0.1806	0.913108	0.93344	0.004507	Normal
14994.39	16195.84	0.111201	0.495223	0.59973	0.004452	Normal
14056.32	13382.83	-0.07084	0.180983	0.265687	0.004407	Normal
984369.4	977352.8	-0.01032	0.908039	0.932032	0.003974	Normal
14207.11	16299.63	0.198226	0.805604	0.861643	0.003511	Normal
13321.38	12436.06	-0.09921	0.574065	0.667979	0.003471	Normal
234189.6	231625.4	-0.01588	0.877651	0.91009	0.003046	Normal
14833.26	16161.91	0.123761	0.807044	0.861643	0.002952	Normal
12258.25	13745.93	0.165252	0.874073	0.908244	0.002472	Normal
12629.98	11364.74	-0.15229	0.855086	0.897162	0.002381	Normal
60821.75	59255.59	-0.03764	0.866612	0.904213	0.002373	Normal
6001.155	6723.493	0.163971	0.789854	0.8523	0.002223	Normal
39523.46	40980.88	0.052242	0.899969	0.92563	0.002121	Normal
7438.121	6589.374	-0.1748	0.872241	0.908209	0.001952	Normal
19901.26	21047.29	0.080775	0.925223	0.942011	0.001656	Normal
193627	195046.4	0.010537	0.955032	0.966515	0.001487	Normal
1.15E+08	1.15E+08	3.90E-07	0.999993	0.999993	0.001485	Normal
15880.77	15477.97	-0.03706	0.856301	0.897162	0.001253	Normal
32329.63	33357.91	0.045172	0.93716	0.950333	0.001191	Normal
2590767	2593280	0.001399	0.991736	0.993703	0.001127	Normal
27265.37	27762.4	0.026063	0.929193	0.94415	0.001096	Normal
33663.03	33269.23	-0.01698	0.910277	0.932433	0.001062	Normal
22250.34	22711.54	0.029598	0.964023	0.973436	0.000717	Normal
15253.62	15415.35	0.015216	0.965726	0.973436	0.000398	Normal
23347.8	23257.78	-0.00557	0.970036	0.975833	0.000302	Normal

row	S.L.1	S.L.2	S.L.3	H.L.1	H.L.2	H.L.3
1 Rrp0546	9.82E+08	9.7E+08	9.23E+08	1.57E+09	1.49E+09	1.5E+09
2 Rrp0681	2.74E+08	3.01E+08	3.12E+08	8.33E+08	8.16E+08	8.43E+08
3 Rrp0680	2.96E+08	2.98E+08	3.08E+08	8.1E+08	8.16E+08	8.21E+08
4 Rrp0679	2.83E+08	2.93E+08	2.83E+08	8.09E+08	7.98E+08	7.65E+08
5 Rrp0686	2.78E+08	2.77E+08	2.85E+08	7.76E+08	7.75E+08	7.89E+08
6 Rrp0547	6.21E+08	6.33E+08	6.11E+08	1.51E+09	9.89E+08	9.28E+08
7 Rrp0669	5.12E+08	4.49E+08	5.11E+08	8.14E+08	8.15E+08	8.1E+08
8 Rrp0668	5.05E+08	4.56E+08	5E+08	8.09E+08	7.6E+08	8.27E+08
9 Rrp0582	1.6E+08	1.55E+08	1.66E+08	4.09E+08	4.18E+08	3.67E+08
10 Rrp0522	7.99E+08	7.86E+08	8.16E+08	5.97E+08	5.98E+08	6.02E+08
11 Rrp0651	3.15E+08	3.08E+08	3.09E+08	4.63E+08	5.18E+08	4.92E+08
12 Rrp0165	6.4E+08	6.66E+08	6.87E+08	8.67E+08	8.39E+08	7.96E+08
13 Rrp0527	6.49E+08	6.49E+08	5.77E+08	4.83E+08	4.91E+08	3.61E+08
14 Rrp0530	41612843	54359537	44901425	2.11E+08	2.14E+08	1.9E+08
15 Rrp0529	5.99E+08	6.19E+08	6.64E+08	5.03E+08	4.32E+08	4.49E+08
16 Rrp0549	24038956	20265021	21896403	1.59E+08	1.27E+08	1.31E+08
17 Rrp0228	2.07E+08	1.99E+08	2.06E+08	91848158	93433629	81443856
18 Rrp0359	1.01E+09	9.89E+08	1.02E+09	8.92E+08	8.97E+08	9.05E+08
19 Rrp0692	5178099	5456110	5216072	97203366	1.16E+08	97016756
20 Rrp0321	1.04E+08	1.14E+08	1.17E+08	20427255	19957273	19254791
21 Rrp0361	9.88E+08	9.53E+08	9.8E+08	8.64E+08	9.05E+08	8.71E+08
22 Rrp0538	1.22E+09	1.2E+09	1.22E+09	1.14E+09	1.15E+09	1.14E+09
23 Rrp0514	45786999	44022592	52397973	1.15E+08	1.14E+08	1.06E+08
24 Rrp0670	1.15E+08	1.16E+08	1.2E+08	1.85E+08	1.77E+08	1.68E+08
25 Rrp0511	54640427	59477813	64784963	1.21E+08	1.24E+08	1.05E+08
26 Rrp0684	1.3E+08	1.38E+08	1.28E+08	1.93E+08	1.96E+08	1.76E+08
27 Rrp0515	36814840	37339648	41784121	94156322	94065693	79329350
28 Rrp0366	97862876	88254041	91600459	1.42E+08	1.42E+08	1.29E+08
29 Rrp0188	6.65E+08	6.45E+08	6.54E+08	6.11E+08	6.15E+08	6.11E+08
30 Rrp0672	1631208	1685243	1801622	47779075	41434576	36777669
31 Rrp0305	45037953	42792119	53975331	98884090	84578319	81140179
32 Rrp0678	13744893	14033503	14710906	52607278	50919409	54186717
33 Rrp0438	1.28E+08	1.43E+08	1.45E+08	1.87E+08	1.95E+08	1.64E+08
34 Rrp0655	39198968	46620719	40690649	80419264	79508270	77403264
35 Rrp0654	41806664	40793667	39971985	78461266	86643158	69845712
36 Rrp0600	6282403	7732976	7546734	42661736	42762380	40517559
37 Rrp0674	1.15E+08	1.23E+08	1.31E+08	1.73E+08	1.57E+08	1.51E+08
38 Rrp0598	8276590	7856394	7400533	36692855	39347997	37735540
39 Rrp0481	43166443	45895100	43744377	14720846	14495578	13365283
40 Rrp0293	13350282	14215675	12816447	45116227	38904265	39631349
41 Rrp0517	40479418	35852220	37159413	11138406	10356447	10601476
42 Rrp0512	50937842	47455441	53448112	24448794	24072672	22806265
43 Rrp0510	51726401	51023300	59356113	26635145	28197336	27117101
44 Rrp0664	1.82E+08	1.8E+08	1.78E+08	1.5E+08	1.59E+08	1.51E+08
45 Rrp0339	36868357	37277393	38108463	64028158	64017400	60902700
46 Rrp0564	290804.5	340928.8	303459.9	25014097	25111223	25370085
47 Rrp0690	565160.1	530316.8	638177.3	22042652	26218541	27669094
48 Rrp0643	26289598	23069420	25332183	48853974	48701730	50734789
49 Rrp0480	41529611	38320607	38374669	15586665	15942133	13690746
50 Rrp0507	38671994	46566263	47493269	22582710	21524238	20064463
51 Rrp0509	7491859	8113806	8361813	31037726	29412056	29260421
52 Rrp0685	10161668	9981111	9877114	25313981	30591455	28837098

53 Rrp0569	12351109	12508125	12846257	31508804	30125297	29077923
54 Rrp0386	2.46E+08	2.32E+08	2.41E+08	2.64E+08	2.65E+08	2.5E+08
55 Rrp0333	1.29E+08	1.29E+08	1.28E+08	1.43E+08	1.42E+08	1.45E+08
56 Rrp0148	32052377	34009422	33303354	20343034	19898647	16408796
57 Rrp0754	22380416	26512707	28587378	11406317	11702128	11808257
58 Rrp0014	2.04E+08	1.95E+08	2.08E+08	2.22E+08	2.24E+08	2.08E+08
59 Rrp0102	34821409	37457523	33964265	48019616	46671248	48168240
60 Rrp0676	4416075	5024109	4440796	14632824	17569994	16363062
61 Rrp0011	91389673	87188585	87879559	1.07E+08	1.03E+08	95768530
62 Rrp0531	4139462	4221889	4282451	14907660	16275005	15522889
63 Rrp0456	53851504	55439232	57093693	46933473	40486658	44692475
64 Rrp0532	5549162	5346023	4893671	15206416	16381759	16142781
65 Rrp0328	2609550	2492804	2435859	13099140	13100286	12640214
66 Rrp0098	27582560	28354323	26745284	17289991	16860854	17421326
67 Rrp0096	25387508	26356131	23967404	16500457	15630918	15733300
68 Rrp0455	53490472	54307797	55704964	45405018	44589550	45959008
69 Rrp0545	15679053	13925688	14164725	24013020	25951746	21952698
70 Rrp0753	15092139	16535089	16799723	6768669	7771398	6638027
71 Rrp0673	7078579	7040234	8381529	15784716	16198369	15502624
72 Rrp0493	5590112	4406458	5047942	13200817	17877692	11065922
73 Rrp0090	87991252	94756246	93933053	97393175	1.04E+08	1.04E+08
74 Rrp0696	3381850	3356355	4005587	10895549	11932746	11492413
75 Rrp0112	23370642	16965839	19865001	32067123	28360778	25910446
76 Rrp0720	1394348	1518002	1559810	8761128	9647334	8158899
77 Rrp0190	845010.9	570833.8	2402532	8836086	8335033	7690181
78 Rrp0528	1.79E+08	2.34E+08	2.26E+08	2.07E+08	2E+08	1.82E+08
79 Rrp0197	12293855	11429367	12248438	5623605	5379007	5643713
80 Rrp0644	29088046	31451498	30254550	36665067	36335799	37197700
81 Rrp0467	1641038	1971394	1832832	8385963	8534859	7029133
82 Rrp0466	1381570	1831881	1952466	7974477	7991723	7523350
83 Rrp0384	8.28E+08	8.56E+08	8.51E+08	8.44E+08	8.42E+08	8.08E+08
84 Rrp0047	648262.2	721772.1	599635	6422269	5882795	5618309
85 Rrp0229	8275315	8697282	8522891	3613357	3614698	3065418
86 Rrp0541	380139.9	574637.6	646833.4	7343849	4936762	5116863
87 Rrp0648	7604017	6555707	6225256	1794040	1910562	1633645
88 Rrp0688	5383654	4294093	4319391	9735792	9268685	9845500
89 Rrp0568	9006671	7683242	8638123	15485463	11724541	13988526
90 Rrp0415	1711316	1708110	1733310	6495937	7128037	6161097
91 Rrp0565	7208757	7516453	6601661	12507158	12341644	11190126
92 Rrp0640	3216413	2905288	3076072	7681795	8069417	7530106
93 Rrp0701	1704480	1844735	1776263	6130318	6346403	6286540
94 Rrp0755	13148427	11573023	12042452	8877642	7301782	6230345
95 Rrp0641	644115.1	686797.4	666217.5	5039491	5337891	4908679
96 Rrp0392	15829864	16801875	16840000	20772810	22466655	20188804
97 Rrp0665	19900059	17562981	18099442	22173310	22630400	23567291
98 Rrp0103	20850789	21379397	21064710	24413030	25358366	24894101
99 Rrp0100	915113.4	933933.4	978394.6	4658530	4702145	4193934
100 Rrp0492	563871.7	984907.1	1033445	2564641	2861332	14874338
101 Rrp0309	2752173	2923659	3518962	6636492	6911052	5931102
102 Rrp0402	1805051	1825680	2461632	5000297	6247977	5145708
103 Rrp0303	1251545	1314030	1199378	4747808	4758655	3961602
104 Rrp0683	3214100	3664730	2979451	6849455	6499278	5879827
105 Rrp0327	742684.6	742429.8	657413	3683478	3982684	3293474

106 Rrp0174	295462.7	242354.5	340760.5	2975544	3783630	2982960
107 Rrp0477	3842678	3104809	3844720	7051444	5812987	6870263
108 Rrp0422	5662018	4068101	4008354	1739577	1310640	1593084
109 Rrp0223	55951301	63664779	60931322	69375898	60655899	64510742
110 Rrp0319	16762422	16790909	16710922	19895745	19946572	18617421
111 Rrp0363	614705	597562.3	685166.1	3073923	3526783	3071980
112 Rrp0626	2550483	2609760	2551777	5017137	5438155	4985554
113 Rrp0419	5986765	7315975	4323241	1771733	4518397	1737691
114 Rrp0420	6700228	8667054	8244926	10047323	10644839	11133199
115 Rrp0465	2559348	2369875	2480677	5013611	4751382	4797492
116 Rrp0317	16499052	16787951	17125744	19470887	20481675	18363048
117 Rrp0008	17110453	15790625	17461761	13596497	13633276	15181816
118 Rrp0242	42801.88	62827.28	70517.4	2257552	2323928	2403647
119 Rrp0436	357576.6	424774	473953.6	3539594	2953394	1999265
120 Rrp0191	4956077	5439656	4999788	7816031	8624634	6523204
121 Rrp0318	17014662	16560249	17783816	20167627	20112694	18498324
122 Rrp0368	5507542	6923757	6007284	8867175	8838089	7855455
123 Rrp0354	2248010	1794075	2832869	66899.55	55123.1	73385.26
124 Rrp0667	91340.93	169711.4	101884.7	2390833	2344042	2078061
125 Rrp0548	1824600	1668394	1743897	3688538	3887405	3955810
126 Rrp0440	1.65E+08	1.95E+08	1.62E+08	1.68E+08	2.04E+08	1.74E+08
127 Rrp0650	3250169	2917054	3287519	5077265	5968335	4672698
128 Rrp0489	19809918	19157454	20830446	22807133	23514361	20799327
129 Rrp0119	8577122	11806796	10858104	8317624	8433681	7159032
130 Rrp0306	5821774	5796410	5720156	7614698	7759934	7513118
131 Rrp0513	11835990	12357228	12742349	15244061	14766579	13331443
132 Rrp0377	146801.2	222264	18706.5	1247664	503455.1	8845646
133 Rrp0508	10365353	9657391	10663266	11866528	12723537	11950669
134 Rrp0160	2671231	2096612	2384926	570357.3	681938.5	507381.7
135 Rrp0764	879455.2	892444.5	344775.2	2374146	2514252	2588728
136 Rrp0474	4429560	4949906	4351993	2931796	2911761	2480132
137 Rrp0554	33156262	35272367	41845987	488237	49444769	39002158
138 Rrp0130	3137305	3327522	3190779	1543428	1641319	1607138
139 Rrp0697	6821761	6962099	7296178	8528562	8531746	8897599
140 Rrp0617	190379.6	204009.4	190224.8	1732481	2033147	1607250
141 Rrp0583	48731.96	49695.41	49230	1584469	1543443	1687637
142 Rrp0431	1034082	1023232	1089477	2657959	2826556	2364222
143 Rrp0714	3686798	4511962	4403172	6568109	5739912	5457843
144 Rrp0404	2005413	2259019	1928719	3699676	3377971	3627877
145 Rrp0657	137796.8	192405.4	121718.6	1501344	1763948	1448515
146 Rrp0406	4691814	4750584	4964143	6178431	6467901	6041735
147 Rrp0349	276568.7	470518.6	2576008	4378919	5358321	627198.6
148 Rrp0588	1599746	1610258	1711843	2936841	3144669	2943679
149 Rrp0610	6200403	6996451	7641342	5624220	5553371	4975485
150 Rrp0143	13614308	14301712	14817839	16960075	17081614	14365710
151 Rrp0567	3732160	4199687	4146935	5278561	5747797	5228906
152 Rrp0381	1330320	1580605	1387986	2865121	3033598	2469057
153 Rrp0429	5336535	4995879	5428329	3934331	3886937	3973147
154 Rrp0649	1661680	1674091	1745702	13028120	985275.7	1092869
155 Rrp0348	1753775	1241578	1948687	284024.2	262393	334892.3
156 Rrp0589	1563858	1664751	1674510	2871163	3016153	2854323
157 Rrp0302	461018.6	373980.5	387136.2	1691596	1752458	1501544
158 Rrp0345	14222739	14982162	14537823	13113592	14150521	11703262

159 Rrp0523	116066.3	121507.2	131337.3	1039316	1384522	1556582
160 Rrp0038	445677.5	486457.6	488890.8	1476955	1657591	1587005
161 Rrp0581	299277.6	325759.7	300940.3	1318923	1529280	1375441
162 Rrp0026	10028631	9788315	9897901	11190251	11176595	10655389
163 Rrp0324	2564322	2280396	2715346	3823157	3553354	3384142
164 Rrp0658	5963230	6078090	6287530	7790286	6854871	7100387
165 Rrp0079	76024.32	80918.82	78304.9	1547904	1134455	758030.7
166 Rrp0752	377017.8	281756.2	283006.4	1201762	1344288	1322279
167 Rrp0519	908118.1	900891.3	884813.3	1890984	1897554	1729228
168 Rrp0185	2361273	1925566	2203603	3140846	3206191	2957432
169 Rrp0150	222708	162456.9	259698.9	1106417	1199830	1044857
170 Rrp0647	932880.2	938894.1	983218	1801851	1935393	1765799
171 Rrp0585	528237	500615.1	572908.8	1485122	1503181	1192101
172 Rrp0597	26189	27163.95	19775.81	952186.5	765903.8	794585.4
173 Rrp0607	804016.9	744396	857815.8	1634950	1673480	1501109
174 Rrp0599	49451.1	38971.56	36841.57	908646.3	723887.3	748568.5
175 Rrp0122	16435089	16414226	17254881	18190674	18625971	16677987
176 Rrp0171	2005176	2062082	2005066	2814313	2795028	2685605
177 Rrp0097	739160.7	987930.2	867032.3	1695348	1641220	1435345
178 Rrp0074	1874200	1803630	2041976	1402715	1102943	1003935
179 Rrp0357	2664405	72531.69	221544	2203216	2249737	1974386
180 Rrp0044	2807745	2597131	2017169	1989208	1453888	1652312
181 Rrp0408	224166.4	155600.3	165405.8	848985.7	829093	689747
182 Rrp0544	309929.6	33317.56	38980.62	692298.8	866937.6	711541.3
183 Rrp0060	2302983	2283422	2277415	3121670	3115219	2600963
184 Rrp0063	2266521	2335810	2380829	3034788	3017118	2735027
185 Rrp0417	2685559	2891963	2846704	2397581	2048150	2149291
186 Rrp0065	2275012	2245244	2374818	3055105	3092365	2580779
187 Rrp0504	1145163	792612.5	759444.2	1859822	1780945	1098547
188 Rrp0691	19881.12	17669.98	22414.58	640140.8	594962.4	438354.5
189 Rrp0031	3542002	3531219	3387831	4059254	4148711	3882633
190 Rrp0032	2262452	2263738	2212769	2890362	2846208	2609806
191 Rrp0072	5929213	5801761	5307038	6070221	6782235	6180939
192 Rrp0542	467508.9	524297.8	537204.1	979792.5	1110030	958980
193 Rrp0062	1765202	1736362	1810315	2392477	2313669	2119429
194 Rrp0115	1252551	1158433	1112643	714885.1	709692.7	635158.1
195 Rrp0028	2185889	2279710	2150500	2843294	2652273	2602560
196 Rrp0169	694960.8	752965	747528.9	251711.1	271940.9	267823.3
197 Rrp0158	3401285	3321799	3215781	2937091	2677502	2842467
198 Rrp0312	626260.8	494036.8	529610.3	83297	134857.4	18772.06
199 Rrp0743	663226.7	773033.7	756590.6	1118416	1282614	1195803
200 Rrp0278	1899104	2144092	2206533	2823890	2578001	2399627
201 Rrp0147	672739.2	653500.7	704187.7	1217547	1073411	1080400
202 Rrp0561	94769.86	86460.79	83172.38	523637.5	519373.1	516368.4
203 Rrp0577	824014.2	781351.6	880895.9	1144790	1315139	1338407
204 Rrp0453	1583106	1692707	1724421	2036947	2902271	1865240
205 Rrp0642	614347.7	534240.1	696978.7	1071420	1097086	940173.9
206 Rrp0370	515848.9	469142.9	471418.9	1010593	903498.4	796370.5
207 Rrp0159	2670019	2785643	2628026	3140435	2994534	3176419
208 Rrp0164	675221	708717.7	703761.9	1143907	1074896	1013426
209 Rrp0256	564270.6	500117.6	587790	218339.4	172428.2	127461.3
210 Rrp0490	2663338	2610372	3085812	3507622	3229789	3047663
211 Rrp0078	209353.4	530788.8	224865.6	780756.1	789306	625876.4

212 Rrp0189	410160.3	594502.3	496748.8	905569.9	827699.3	864605.6
213 Rrp0332	918507.8	963196.2	1122273	1678065	1539887	1099147
214 Rrp0070	2411027	2567149	2420068	2791035	2747649	2861723
215 Rrp0075	1750934	1533024	1931152	1433448	1400689	1242594
216 Rrp0612	756093.7	718957.7	671336.3	414244.3	386916.2	409377.3
217 Rrp0725	117214.7	158825.1	165719.5	467200.5	472039.7	432899.4
218 Rrp0288	221796.6	2179984	2551777	1011729	973421.9	887983.8
219 Rrp0016	1497264	1522990	1590125	1852522	1861082	1804497
220 Rrp0638	1192792	1188179	1178932	1467498	1490340	1469476
221 Rrp0107	2821693	3024216	2858724	2720829	2561273	2392175
222 Rrp0572	644704.9	739937.7	798433.8	1005170	1093397	981702.1
223 Rrp0534	258616.3	251423.9	289279.3	523431.6	554075.7	556312.6
224 Rrp0675	109792	110725.7	117829	389093.5	403493.9	373256
225 Rrp0046	1947215	1495232	1732614	1975761	2021872	2202100
226 Rrp0369	222847.1	195404.6	236113.5	514445.4	476469.9	449129.6
227 Rrp0040	669013	705026.5	605274.3	432166.5	397046.8	384326.5
228 Rrp0208	466408.8	360020.8	358128.3	151021.8	146292.1	127497
229 Rrp0042	722026.3	635144.8	627176.5	452091.2	387682.2	385708.9
230 Rrp0407	561415.4	477243.9	464443.8	760846.6	789287.9	700968.8
231 Rrp0630	260210.2	338047.4	318517.4	516500.7	568939.3	529612.7
232 Rrp0087	20176530	22993827	22426443	23104618	18530246	21417940
233 Rrp0616	177937.4	164843.2	168971.4	407530.4	363528.7	367336.2
234 Rrp0270	637762.1	669676	643594.7	942557.3	817199.9	837610.8
235 Rrp0388	258078.8	295280.3	244456.1	453282.1	478220.1	462519.4
236 Rrp0659	333641.3	345100.3	368403.5	569521.9	513961.1	561292.1
237 Rrp0383	8.61E+08	8.88E+08	8.82E+08	8.82E+08	8.59E+08	8.97E+08
238 Rrp0049	383047	431466.5	406326.6	630294.1	684451.2	530800.4
239 Rrp0212	602522.3	779703.9	810439.3	1001214	1025163	861506.5
240 Rrp0330	295282.7	293128	301983.2	98308.66	118376.6	126492.4
241 Rrp0611	807036.2	819108.5	878218.1	662686	650180.3	630837.6
242 Rrp0747	556200.5	647988.2	550839.6	762142.7	718520	919135.6
243 Rrp0052	521876.4	549476.4	576410.3	816287.8	745742.5	659407.2
244 Rrp0632	32167.89	332240.3	336757.3	452017.6	484834.8	446693.2
245 Rrp0409	333581.9	237102.2	308638.7	518025.9	488660.9	423038.4
246 Rrp0205	1058698	886024.9	894119.8	1165819	1150380	1104853
247 Rrp0426	933801.6	914431.6	934977.6	990448.8	1138490	1299374
248 Rrp0135	80427.04	88637.61	131366.2	260263.4	379129.9	214588.5
249 Rrp0280	213433.5	199275.3	225461.8	57365.13	44249.59	51742.9
250 Rrp0614	493187.8	542334.3	522062.6	680049.8	692986.5	669353.5
251 Rrp0482	839161.2	665337.4	751905.9	554261	654844.9	449170.9
252 Rrp0219	311975.7	284752.2	373390.6	452715.9	779017.5	411177
253 Rrp0374	60202.28	95825.04	45914.26	89043.22	114340	930136.2
254 Rrp0454	1214820	1208139	1144099	1396425	1835827	1151132
255 Rrp0271	687777.1	690581.5	688853	485840.7	486678.1	598106.3
256 Rrp0121	1775519	1666455	1825973	1748553	1496457	1344874
257 Rrp0723	38652.64	34045.07	35791.76	211831.2	189192.4	161611.7
258 Rrp0225	300646.7	424526.3	311966.3	166096.6	182133.8	196514.5
259 Rrp0724	30806.4	30303.68	37947.01	178876.8	168971.6	171555.4
260 Rrp0082	280394.3	352009.7	340472.9	185583.3	163460	188375.8
261 Rrp0035	587269.6	616011	619660.4	488080	452253.1	460692.3
262 Rrp0201	302107.1	308007	293635	167560.7	129060.6	185535.5
263 Rrp0193	208404.4	267374.3	163494.7	355077.7	368243.5	348927.5
264 Rrp0263	166701.1	201769.7	179848.4	43943.91	56351	47299.23

265 Rrp0742	560360.1	455657.6	540302.4	303642.5	371314.9	418853
266 Rrp0367	104332	175125	129191	312111.2	289281.8	233620.2
267 Rrp0410	1971554	1899383	1803021	1554182	1985131	1436695
268 Rrp0449	163457.4	187393.4	191729.7	325567.2	299001.3	310798.5
269 Rrp0566	792836.6	640261.6	773240.4	863209.3	895844.5	887486.7
270 Rrp0464	13400311	13005506	10789681	10355088	15017356	13729962
271 Rrp0704	29809.61	22483.07	33526.31	166695.3	136392.2	150384.7
272 Rrp0379	48135.3	85910.72	108380	184763.3	167713	320886.6
273 Rrp0104	164016.3	25192.72	9383.649	189426.8	219729	204134.6
274 Rrp0181	881398.7	1000094	1116864	887778.9	871907.5	774271
275 Rrp0088	1373079	2001249	1773791	1489271	1381682	1620010
276 Rrp0113	419020.7	448646	399636.9	336256.5	301570.4	294671
277 Rrp0550	56105.22	47705.39	46623.71	152513.6	156811	149047
278 Rrp0633	237317	249117.3	260230.2	363557.4	371085.9	324390.6
279 Rrp0136	130112.8	124046.9	131267.7	242464.8	234030.4	210657.4
280 Rrp0615	331790.4	375541.4	366621.9	440591.6	469015.1	472740.2
281 Rrp0167	307815.2	247968.8	370713.6	441206.9	408516.5	420766.6
282 Rrp0430	37237.6	29402.88	28933.39	176627.4	82323.04	157902.3
283 Rrp0334	286099.8	220140.2	312485.1	194381.8	166635.6	129740.2
284 Rrp0376	2396251	301843.8	95087.03	672145.4	739741.7	225593.9
285 Rrp0012	866633.6	852709.7	904965.9	1049958	962360	943080.4
286 Rrp0314	256778.8	215860.1	20709.14	27753.7	29548.49	32885.27
287 Rrp0606	22521713	25137108	26726567	27646610	26938729	21741303
288 Rrp0502	83740.35	97848.21	209038.1	13299.98	19658.35	26239.8
289 Rrp0371	83965.16	5320.665	64704.78	159177.8	128742.2	168858.4
290 Rrp0758	35697.27	24864.27	28778.33	188426.9	99376.24	104133.3
291 Rrp0279	81566.54	76051.91	75755.59	286684.9	204533.1	96253.14
292 Rrp0019	349748.7	280642.6	344138.5	427871.1	414463.4	410208.2
293 Rrp0709	217661.5	206463.7	197784.6	312099.6	274082.5	295257.8
294 Rrp0128	245359.8	242091.2	222475.6	133334.5	185343.9	115854.2
295 Rrp0562	34959.99	5940.244	41167.25	44956.11	46333.54	481045.2
296 Rrp0274	1431358	1397527	703675.8	1372885	104243.7	1219969
297 Rrp0733	29245.65	22368.69	24355.59	95603.82	100798.1	121053.3
298 Rrp0543	92748.68	83032.27	102981.3	602281.3	119080.4	74371.84
299 Rrp0117	629734.7	531366.4	67832.09	331551.5	41363.51	305677.1
300 Rrp0621	161435.1	126846.5	160960.2	72792.16	66342.44	69224.02
301 Rrp0748	202682.2	206418.5	163209.8	291235.7	265711.4	262033.2
302 Rrp0433	204619.3	216782.6	231853.4	15366.09	177031.2	149145.8
303 Rrp0001	33498.67	2986.71	20531.15	94876.79	103690.8	81576.99
304 Rrp0329	158527.4	105186.4	139491.7	58627.42	60218.12	55155.31
305 Rrp0358	2226040	1986930	3317335	2823754	2114732	1773995
306 Rrp0084	115047.3	113088.4	121810.2	41455.44	54375.02	48298.06
307 Rrp0604	85062.63	83289.26	81299.53	14488.63	16755.18	14204.38
308 Rrp0146	82004.11	98991.9	112401	26796.15	32453.21	24058.29
309 Rrp0108	660577.4	649420.8	615608	581212.2	561158.7	563681.2
310 Rrp0575	51550.05	59931.95	72522.14	134563.6	143230	116598.2
311 Rrp0662	5205012	4285568	5234329	4710654	5126297	4154688
312 Rrp0762	100697.2	118971	98688.08	193874.2	179570.3	157715.4
313 Rrp0301	77959.59	71878.17	87095.76	13408.35	10125.47	11441.19
314 Rrp0120	406354.9	58860.27	58150.45	159169.8	623777.2	229968.1
315 Rrp0196	333844.3	277075.8	304328.4	400563.7	396196.3	344423.7
316 Rrp0570	103999.1	141511.3	121741	56192.07	55657.08	58895.42
317 Rrp0693	51635.85	63036.12	70953.89	129239	136027.4	111232.8

318 Rrp0557	32689.83	20552.07	32671.73	82618.01	106742.6	85070.01
319 Rrp0390	1790116	1687904	1714980	1817176	1802105	1800787
320 Rrp0180	241478.8	205191.1	218908.2	272678.2	283972.1	297882.9
321 Rrp0603	74541.02	78710.17	71873.98	138081.7	137230.5	126132.3
322 Rrp0276	184761.2	176586.8	174656.7	148641.6	100743.3	95087.47
323 Rrp0759	48880.83	40598.77	31486.18	91459.87	92447.38	109463.8
324 Rrp0118	18013.97	19943.83	19776.1	141306.8	16589.21	136637.1
325 Rrp0211	404254.2	274908.7	218578.8	370959.7	469935.6	340863.9
326 Rrp0728	154887.4	185539.6	194130.6	116734.8	112489.6	127235.4
327 Rrp0601	24353.63	25616.1	24905.69	77444.85	87189.13	70826.28
328 Rrp0145	103896.7	134759.1	116067.2	187765.6	186942.9	153037.9
329 Rrp0441	14370349	13960946	11902008	13653075	13680240	11968362
330 Rrp0017	172259.6	180897.9	178189.4	219557.5	28568.36	18601.53
331 Rrp0178	83986.39	79370.96	98716.5	144673.1	127472.3	144041.3
332 Rrp0470	185672	114940.7	250751.9	202580.5	253296.7	342443.2
333 Rrp0172	174336.9	179965.4	160316.9	199098.5	331012.7	205229.9
334 Rrp0336	115619.9	163859.9	126845.2	193016.8	226369	164513.1
335 Rrp0749	85473.04	95142.94	115090.7	50580.71	51368.71	49872.56
336 Rrp0048	53134.49	67276.25	74642.34	13882.67	18747.03	23646.42
337 Rrp0036	1621699	1757487	1751007	1861023	1750204	1754549
338 Rrp0537	156415.7	178056	169114.2	237746.4	204283.2	207715.3
339 Rrp0558	131752.5	142092.2	137383.6	191875.3	167634.4	186058.2
340 Rrp0434	26604.43	39419.04	23808.83	81380.97	69885.91	70187.69
341 Rrp0689	72516.2	69366.11	76167.28	36149.26	34380.18	15816.45
342 Rrp0774	63277.08	67338.62	66940.06	21787.13	25209.94	25008.92
343 Rrp0338	98929.74	104460.8	101630.7	57046.38	65174.97	59477.29
344 Rrp0391	386669.9	373473.4	355168.8	302793.7	350313.7	319904
345 Rrp0476	273172.8	229107.6	259073.9	283695.7	338038.5	289626.6
346 Rrp0252	10871.56	10680.18	11298.29	48195.71	47057.25	49283.11
347 Rrp0221	737451	756374.6	565187.2	641023.3	624703.6	570447.3
348 Rrp0265	367775.6	346242.1	457566.7	405268.8	550775.6	424333.5
349 Rrp0458	37487.73	44952.97	39330.54	77400.81	71489.61	84421.42
350 Rrp0411	55554.7	54835.32	52764.64	18329.5	17956.03	19033.64
351 Rrp0403	73688.84	63075.36	63766.04	32641.01	32390.39	32432.6
352 Rrp0292	15488.48	19025.92	4702.081	84352.03	88252.29	11649.61
353 Rrp0760	79233.97	76473.09	79420.74	41930.93	414253.6	57514.73
354 Rrp0427	125249.3	78239.15	94437.05	146253.9	120890.3	157487.1
355 Rrp0213	210919.1	335636.7	479518.5	243359.3	314285.5	240028.2
356 Rrp0389	26795.99	27740.59	25606.78	61681.99	54654.1	62159.23
357 Rrp0315	118594.9	109879	96879.23	79302.94	79620.16	59614.22
358 Rrp0268	66437.07	27110.63	93499.25	12015.93	28212.17	19077.09
359 Rrp0707	147857.6	105270.7	111420.6	162466.2	155509.3	158896.3
360 Rrp0004	154498.3	159162	130383.5	123766.8	103860.1	110750
361 Rrp0395	11436.79	13958.93	6657.285	43047.22	54896.26	32031.74
362 Rrp0257	404102.8	585555.1	362824.6	551515.1	521102.9	482379.3
363 Rrp0360	25196.43	49579.78	65831.13	12452.83	11086.35	14072.98
364 Rrp0281	626072.3	575440.7	821518.8	784194.7	795359.3	660914.9
365 Rrp0069	630779.6	57571.42	79058.65	182501.9	86272.02	893615.2
366 Rrp0251	671398.4	882178.8	625263.9	789259.3	762235.6	338322.9
367 Rrp0023	168479.4	241906.8	257390.4	271629	250355.9	279940.3
368 Rrp0499	216063.7	266707	256385.3	234916.4	209745.6	172048.7
369 Rrp0573	89091.53	105334.1	85341.11	118120.5	120093.8	129533
370 Rrp0238	123227.3	28434.9	86360.56	145965.9	201922	54890.27

371 Rrp0064	257529.3	238370.4	226862	256149.3	288935.9	277230.7
372 Rrp0586	596509.3	515771.2	688664.8	540899.2	553887.2	546660.3
373 Rrp0767	19568.11	18015	19662.74	45222.59	45846.28	40224.33
374 Rrp0645	54215482	41520783	54281352	48730840	51099217	48726424
375 Rrp0206	88501.54	107363	103670	133605.9	130629.7	117089.1
376 Rrp0682	1382295	1510643	1390312	1643569	1500817	1347034
377 Rrp0179	57837.31	24689.42	60329.11	8027.93	33446.32	5854.554
378 Rrp0067	127323.1	116171.9	136563.9	97793.39	64345.21	118540.9
379 Rrp0006	670203.2	740609.4	637538	728739.2	697332.9	751719.3
380 Rrp0576	47768.05	49223.69	44187.67	26091.89	21156.64	24994.93
381 Rrp0287	25105.41	29182.36	32303.99	54087.06	58895.98	45779.85
382 Rrp0613	328214.8	325141.8	335190.4	364661.6	393477.9	330305
383 Rrp0500	166194.4	149158	149357.1	95785.87	145447.1	131203.4
384 Rrp0496	16095.04	16025.34	16553.5	38356.83	35370.99	39492
385 Rrp0055	1.03E+08	1.05E+08	1.08E+08	1.08E+08	1.09E+08	99560645
386 Rrp0089	15093.39	12152.79	13913.75	38696.61	30986.22	36356.04
387 Rrp0769	70608.89	62697.19	79876.79	86506.92	94363.41	105356.2
388 Rrp0520	70391.7	77869.61	82473.12	105587.3	89712.9	104511.1
389 Rrp0718	81968.05	93333.89	88647.77	100662.7	148493.5	103315.7
390 Rrp0726	51676.46	53634.43	49262.13	68747.68	67986.29	84997.35
391 Rrp0442	35601.83	38681.1	35798.28	58947.84	57715.71	52195.69
392 Rrp0093	1688881	1703486	1879764	1923508	1826730	1695139
393 Rrp0083	78137.9	78850.53	78933.7	56005.21	69472.17	51070.75
394 Rrp0516	9964474	8458558	8684769	8352244	9421543	8906053
395 Rrp0652	2.07E+08	1.98E+08	2.12E+08	2.01E+08	2.35E+08	1.84E+08
396 Rrp0571	38108.75	44794.06	43134.07	62360.81	64028.28	53631.89
397 Rrp0342	26677.94	6071.834	9303.849	24291.13	37284.28	41263.12
398 Rrp0284	129109.4	102285.2	118900.7	88942.22	108620.6	86884.24
399 Rrp0073	204556.1	67369.54	77884.64	188639.7	156199.5	124925.6
400 Rrp0269	63143.74	71797.9	74507.26	87380.36	92206.69	82584.76
401 Rrp0037	70524.36	136775.2	126915.8	149644.7	156681.8	116745.1
402 Rrp0457	37307.4	35745.37	40629.61	24446.01	21049.83	21125.48
403 Rrp0385	6228.04	6722.196	4717.354	21247.99	21594.87	19042.52
404 Rrp0398	34562.6	3052.378	34031.59	41609.98	46430.51	45526.41
405 Rrp0043	22731.82	227008.7	28548.65	237407.3	22255.63	178774.8
406 Rrp0766	124491.1	14960.28	100935.1	210291.6	139132.3	22111.9
407 Rrp0053	624870.7	633451.9	688653.1	814802.9	799926.4	499205.2
408 Rrp0727	68214.07	66779.51	78493.4	81114.6	99153	84872.58
409 Rrp0775	48979.69	51517.17	471244	18864.12	192998.1	166455.2
410 Rrp0194	10808.99	294439.1	294863.8	243143.6	349828.9	173522.4
411 Rrp0157	103979.9	94108.27	132632.4	72308.81	82839.3	108070.8
412 Rrp0007	14669.24	19031.02	14751.71	24433.43	28944.03	39945.43
413 Rrp0608	141910.9	249632.8	104594.9	127031.9	171383.3	90114.58
414 Rrp0387	143374.7	110807	97798.66	137802.1	237948.2	82461.07
415 Rrp0631	73644.33	77351.47	92981.59	82564.38	116620.8	102276.4
416 Rrp0350	150175.2	68352.04	140696.9	300805	79973.12	107665.9
417 Rrp0362	13110.75	13374.5	15554.3	30563.42	29008.03	21890.98
418 Rrp0214	372738.5	315655.6	140054.7	418742.2	178693.4	65631.19
419 Rrp0138	27837.66	25965.67	20978.86	10121.2	12558.02	15054.38
420 Rrp0450	41199.2	43252.17	43104.42	22089.1	29066.52	36389.66
421 Rrp0296	47321.24	81273.42	82381.57	38491.74	67177.8	47200.56
422 Rrp0289	203407.4	448058.7	646957.7	567050	505299.2	394214.4
423 Rrp0622	19130.45	13627.89	17853.02	33723.13	26074	26877.64

424 Rrp0424	33728.28	18902.5	23863.03	62477.28	21265.52	46191.25
425 Rrp0393	34950.28	32969	36369.97	44072.33	43444.42	49309.15
426 Rrp0506	27788.24	9975.827	19277.67	38700.72	61531	12826.21
427 Rrp0248	239239.1	248577.5	259729.4	234758.5	258282.1	190343.2
428 Rrp0425	14552.49	11749.82	17557.93	23602.47	25473.06	24068.82
429 Rrp0462	18181.29	19103.97	19836.23	31131.37	28908.78	26010.53
430 Rrp0524	35394.84	18635.5	60307.31	19964	29132.7	15191.98
431 Rrp0080	19498.25	16132.14	110055.6	23106.52	20550.04	28380.47
432 Rrp0365	61381.64	55492.95	76596.02	53929.43	51198.3	50221.47
433 Rrp0463	768342.5	665010.1	655065.6	611480.8	717631.1	672335.8
434 Rrp0763	58548.38	44395.02	65384.09	47914.82	42385.41	41389.73
435 Rrp0666	142711.8	178812.3	157409.7	38774.74	21910.82	301656.8
436 Rrp0335	16325.33	13826.53	14725.93	25349.31	21866.42	22405.79
437 Rrp0486	25329.83	25665.24	39215.63	23299.98	22107.87	12651.47
438 Rrp0005	105713.8	95009.23	121897.8	91610.37	96058.19	99165.6
439 Rrp0700	52303.54	25585.31	39500.77	16898.11	43863.66	118221.1
440 Rrp0405	474532	374327.6	376660.3	371409.6	375309.2	412968.5
441 Rrp0375	31135.28	53207.72	88921.57	36638.66	31990.03	57371.53
442 Rrp0540	68084.9	70806.3	31787.69	75243.35	18949.99	26128.96
443 Rrp0503	230176.8	240287.6	207843.7	259191.2	296765.6	184231.8
444 Rrp0605	19622.51	20260.68	20695.29	14346.19	13937.93	14878.54
445 Rrp0076	219103.6	176062.4	185045.7	235128.2	209557.5	178873.7
446 Rrp0057	35526.85	35754.71	22931.28	120970.9	13805.35	14380.67
447 Rrp0140	795492	1217944	727211.3	810818.9	940413.3	879968.7
448 Rrp0192	5497923	5978960	6359461	5770949	5943578	6271709
449 Rrp0341	5433.837	57151.61	32234.28	41781.32	7910.364	9206.573
450 Rrp0494	22851.28	29519.05	17235.43	29909.51	32259.24	25736.96
451 Rrp0286	40982.23	42364.25	38088.46	44782.55	41649.07	50296.97
452 Rrp0101	106313	89472.66	93500.94	99142.45	93449.69	121618.4
453 Rrp0039	59683.44	40778.87	70036.07	67963.63	69238.82	57238.53
454 Rrp0250	539183.1	514100.4	529954.1	576684.7	518279.8	522378.3
455 Rrp0215	43497.46	1767.518	43488.44	39520	55508.63	24210.16
456 Rrp0325	20794.03	21610.84	18851.21	9480.889	78102.16	9165.411
457 Rrp0156	8463.656	7036.633	6349	14246.15	4312	20099.18
458 Rrp0401	11212.82	10292.55	10121.87	13493.08	14256.45	12911.66
459 Rrp0291	6855.448	30075.87	18181.65	7198.502	23865.42	50589.92
460 Rrp0224	7792.146	3316.842	9841.941	21931.59	5389.327	10059.05
461 Rrp0351	182916.6	205250.8	307132.8	53021.13	280749.8	298759.7
462 Rrp0009	10468.06	27893.7	102981.3	28428.55	29219.01	48511.31
463 Rrp0487	22678.67	15349.47	22278.58	15387.12	17935.16	15776.79
464 Rrp0553	18131.39	17647.11	1538.641	16884.6	1296.728	1412.582
465 Rrp0416	8276.087	5385.158	22669.47	44353.95	10433.38	3535.177
466 Rrp0054	13884.24	17894.14	13004.99	18123.36	17489.77	17433.02
467 Rrp0587	22226.11	10573.29	23851.6	11686.01	14775	17471.33
468 Rrp0086	226087.4	254630.5	211236.6	233218.3	215915.6	221752.6
469 Rrp0397	14571.8	12199.14	6657.648	10198.48	9682.828	2835.572
470 Rrp0022	58036.46	49338.31	43891.97	47508.2	47875.8	44527.27
471 Rrp0677	49464.2	49942.99	44649.93	64530.68	51945.97	41452.24
472 Rrp0394	14608.93	17739.83	14199.41	14232.77	11764.9	34660.74
473 Rrp0473	21861.89	23331.75	21736.74	27885.4	20534.23	26069.9
474 Rrp0081	13057.71	11408.61	10775.82	15261.64	11776.95	13835.35
475 Rrp0013	136470.8	125084.8	122176.5	129382.1	137625.3	127190.5
476 Rrp0364	318289.9	294683.4	251074.7	267372.3	284839.5	291308.6

477 Rrp0295	5371.887	24973.59	10015.57	4208.698	9256.781	15438.85
478 Rrp0144	21987.82	29712.21	20859.84	29331.83	23440.56	28055.82
479 Rrp0372	13229.26	12185.14	10287.27	9899.425	10514.21	10699.87
480 Rrp0452	761493.3	848869.9	893665.2	902106.1	847748.2	784248.8
481 Rrp0776	11456.84	13087.66	11531.35	12039.86	12732.98	16464.02
482 Rrp0501	22577.61	43310.33	27602.54	7162.946	14806.12	56111.06
483 Rrp0382	16277.81	16778.59	16752.75	15221.35	14770.76	16738.79
484 Rrp0552	33235.81	39462.65	35836.7	38722.9	32263.59	44433.68
485 Rrp0343	8881.972	8044.424	3836.275	6968.145	8852.633	9587.13
486 Rrp0024	86682.63	77226.77	84219.88	90743.71	81563.31	82568.75
487 Rrp0056	28712.54	30808.52	27069.91	25772.84	29212.44	38227.05
488 Rrp0209	91468.05	62618.66	48502.42	90804.39	63788.11	60736.98
489 Rrp0435	4643.013	13002.2	4287.469	9159.038	4989.572	2011.672
490 Rrp0183	377766.7	491016.7	403097.5	498244.2	411042.9	384691.3
491 Rrp0285	31192.14	4676.831	4255.215	15226.4	14923.61	1611.76
492 Rrp0311	38319.75	779886.1	109026.9	682934	155728	50746.41
493 Rrp0739	21087.4	12174.67	10147.83	17432.51	5297.5	26665.81
494 Rrp0746	160553.8	155130.2	172890.4	186457.1	183399.6	128732
495 Rrp0353	3445.911	3506.439	1162.903	5000.334	2575.916	2579.473
496 Rrp0133	819136.8	828717.1	797910.6	868534.1	769509.1	799156.2
497 Rrp0729	12883.58	19105.49	18948.73	11026.88	18630.91	18569.92
498 Rrp0539	25727.07	12543.82	60275.9	35871.18	14964.41	41390.98
499 Rrp0187	152820.7	154568.1	128667	189857.7	113390.1	125860.2
500 Rrp0218	142276	148744.2	155316.8	137073	111624.8	203647.6
501 Rrp0468	37820.77	45473.48	24661.34	33183.57	36069.79	36154.42
502 Rrp0560	3816.55	9244.3	4890.32	9361.167	5687.5	4308.171
503 Rrp0661	3278394	4231424	3318794	4239751	3407142	3198447
504 Rrp0756	86291.52	75102.72	99447	203371.6	29222.97	30035.25
505 Rrp0260	11621.31	17530.1	11035.57	15176.93	2321.898	22686.44

control_me	case_mean	log2FoldCh	Pvalue	padj	vip	regulate
9.59E+08	1.52E+09	0.665832	5.72E-05	0.000525	6.266491	Normal
2.96E+08	8.31E+08	1.491042	2.52E-06	0.000101	6.127901	Up
3.01E+08	8.16E+08	1.439989	4.21E-08	7.78E-06	6.015369	Up
2.86E+08	7.91E+08	1.465253	3.02E-06	0.000102	5.948152	Up
2.8E+08	7.8E+08	1.478304	7.84E-08	9.90E-06	5.927477	Up
6.22E+08	1.14E+09	0.879078	0.04886	0.077592	5.464344	Normal
4.91E+08	8.13E+08	0.727706	9.93E-05	0.000706	4.739076	Normal
4.87E+08	7.99E+08	0.713262	0.00025	0.001239	4.650949	Normal
1.61E+08	3.98E+08	1.30877	0.000123	0.000792	4.065553	Up
8E+08	5.99E+08	-0.41801	2.35E-05	0.000304	3.753126	Normal
3.11E+08	4.91E+08	0.659004	0.000346	0.001531	3.528653	Normal
6.64E+08	8.34E+08	0.328348	0.002409	0.006539	3.381959	Normal
6.25E+08	4.45E+08	-0.49063	0.020362	0.036207	3.340485	Normal
46957935	2.05E+08	2.125599	4.55E-05	0.000433	3.321493	Up
6.27E+08	4.61E+08	-0.44291	0.004531	0.010269	3.317803	Normal
22066793	1.39E+08	2.653728	0.000315	0.001422	2.844491	Up
2.04E+08	88908547	-1.19978	1.37E-05	0.000244	2.84192	Down
1.01E+09	8.98E+08	-0.16403	0.000423	0.001735	2.731974	Normal
5283427	1.03E+08	4.291817	0.000104	0.000718	2.615518	Up
1.12E+08	19879773	-2.48904	1.88E-05	0.000271	2.535014	Down
9.74E+08	8.8E+08	-0.1462	0.00485	0.010885	2.4914	Normal
1.21E+09	1.14E+09	-0.08392	0.000353	0.001548	2.176238	Normal
47402522	1.12E+08	1.238639	7.32E-05	0.000551	2.120775	Up
1.17E+08	1.77E+08	0.590339	0.00037	0.00157	2.024775	Normal
59634401	1.17E+08	0.968492	0.000944	0.003114	1.976237	Normal
1.32E+08	1.88E+08	0.511457	0.00125	0.003872	1.957193	Normal
38646203	89183788	1.206455	0.000615	0.002215	1.864957	Up
92572459	1.37E+08	0.56896	0.001007	0.003261	1.750949	Normal
6.55E+08	6.12E+08	-0.09682	0.001837	0.005212	1.695136	Normal
1706024	41997106	4.62158	0.000226	0.001157	1.672264	Up
47268468	88200863	0.899915	0.0031	0.007906	1.65702	Normal
14163100	52571135	1.892134	2.59E-06	0.000101	1.641773	Up
1.39E+08	1.82E+08	0.39006	0.017059	0.0311	1.641306	Normal
42170112	79110266	0.907644	0.00011	0.000753	1.603336	Normal
40857439	78316712	0.938721	0.001547	0.004595	1.595733	Normal
7187371	41980559	2.546185	2.25E-06	0.000101	1.562429	Up
1.23E+08	1.6E+08	0.383091	0.009681	0.019173	1.552942	Normal
7844505	37925464	2.273412	3.18E-06	0.000102	1.452783	Up
44268640	14193902	-1.64101	5.45E-06	0.000131	1.45268	Down
13460801	41217280	1.614485	0.000157	0.000902	1.389413	Up
37830350	10698776	-1.8221	4.14E-05	0.000418	1.376474	Down
50613798	23775911	-1.09003	0.00012	0.000785	1.366674	Down
54035272	27316527	-0.98413	0.000592	0.002166	1.356486	Normal
1.8E+08	1.53E+08	-0.23242	0.001034	0.003317	1.354681	Normal
37418071	62982753	0.751222	2.05E-05	0.000287	1.337691	Normal
311731.1	25165135	6.334981	2.08E-09	1.05E-06	1.321481	Up
577884.7	25310096	5.452787	0.000126	0.000795	1.312163	Up
24897067	49430164	0.989416	2.93E-05	0.000328	1.310548	Normal
39408296	15073182	-1.38652	4.37E-05	0.000431	1.303706	Down
44243842	21390470	-1.04851	0.001388	0.004222	1.248864	Down
7989159	29903401	1.904194	3.95E-06	0.000106	1.239843	Up
10006631	28247511	1.497167	0.000301	0.001383	1.123934	Up

12568497	30237341	1.266519	1.63E-05	0.000264	1.112394	Up
2.39E+08	2.6E+08	0.117764	0.030233	0.050396	1.107457	Normal
1.29E+08	1.43E+08	0.152319	0.000207	0.00109	0.998005	Normal
33121718	18883492	-0.81065	0.000483	0.001933	0.991628	Normal
25826834	11638901	-1.14992	0.001486	0.004441	0.983341	Down
2.02E+08	2.18E+08	0.106988	0.069379	0.105532	0.922712	Normal
35414399	47619701	0.427223	0.000452	0.001826	0.917567	Normal
4626993	16188626	1.806834	0.00019	0.001053	0.896001	Up
88819272	1.02E+08	0.19559	0.019743	0.035231	0.895211	Normal
4214601	15568518	1.885164	8.94E-06	0.000196	0.892031	Up
55461476	44037536	-0.33275	0.005627	0.012248	0.867822	Normal
5262952	15910319	1.596019	1.28E-05	0.000244	0.863706	Up
2512738	12946547	2.365235	3.44E-07	3.47E-05	0.856056	Up
27560722	17190724	-0.68098	3.06E-05	0.000335	0.85182	Normal
25237014	15954892	-0.66154	0.00024	0.001211	0.802643	Normal
54501078	45317859	-0.26621	0.000268	0.001276	0.798035	Normal
14589822	23972488	0.716417	0.001835	0.005212	0.797777	Normal
16142317	7059365	-1.19324	0.000143	0.000851	0.795388	Down
7500114	15828570	1.077546	6.74E-05	0.000549	0.762384	Up
5014837	14048144	1.486105	0.011446	0.022147	0.760479	Up
92226850	1.02E+08	0.141765	0.03556	0.058305	0.748921	Normal
3581264	11440236	1.675576	2.84E-05	0.000326	0.741449	Up
20067161	28779449	0.520202	0.027702	0.047422	0.727405	Normal
1490720	8855787	2.570611	7.14E-05	0.000551	0.716788	Up
1272792	8287100	2.70287	0.000443	0.001805	0.696026	Up
2.13E+08	1.96E+08	-0.11745	0.42543	0.513977	0.69487	Normal
11990553	5548775	-1.11166	2.55E-05	0.000313	0.671151	Down
30264698	36732855	0.279435	0.000882	0.00297	0.665314	Normal
1815088	7983318	2.136949	0.000226	0.001157	0.654134	Up
1721972	7829850	2.184923	1.23E-05	0.000244	0.654035	Up
8.45E+08	8.31E+08	-0.02374	0.400978	0.4903	0.645646	Normal
656556.4	5974458	3.185817	2.42E-05	0.000306	0.610054	Up
8498496	3431157	-1.30851	2.11E-05	0.000288	0.595748	Down
533870.3	5799158	3.441282	0.002489	0.00662	0.595711	Up
6794993	1779416	-1.93307	0.00029	0.001358	0.589187	Down
4665713	9616659	1.043438	0.000245	0.001227	0.58642	Up
8442679	13732843	0.701858	0.010401	0.020358	0.584005	Normal
1717579	6595024	1.941002	6.71E-05	0.000549	0.583398	Up
7108957	12012976	0.756884	0.000577	0.002158	0.581095	Normal
3065924	7760439	1.339816	1.40E-05	0.000244	0.573524	Up
1775160	6254420	1.816927	4.98E-07	4.20E-05	0.560802	Up
12254634	7469923	-0.71416	0.006009	0.01285	0.560459	Normal
665710	5095354	2.936217	4.11E-06	0.000106	0.557398	Up
16490580	21142756	0.358521	0.003588	0.008631	0.556989	Normal
18520828	22790334	0.299274	0.006409	0.013541	0.530104	Normal
21098298	24888499	0.238353	0.000267	0.001276	0.512348	Normal
942480.5	4518203	2.261214	2.60E-05	0.000313	0.500177	Up
860741.1	6766771	2.974816	0.219205	0.292853	0.494403	Normal
3064932	6492882	1.083004	0.000779	0.002695	0.485006	Up
2030788	5464661	1.428092	0.001571	0.004611	0.483016	Up
1254984	4489355	1.838839	0.000262	0.001274	0.473498	Up
3286093	6409520	0.963843	0.000849	0.002876	0.462678	Normal
714175.8	3653212	2.354814	0.000129	0.000802	0.452279	Up

292859.2	3247378	3.470996	0.000394	0.001658	0.451851	Up
3597403	6578231	0.870744	0.002877	0.007489	0.447864	Normal
4579491	1547767	-1.565	0.005496	0.012014	0.446547	Down
60182468	64847513	0.107708	0.240311	0.316033	0.429803	Normal
16754751	19486580	0.217911	0.003295	0.008158	0.427574	Normal
632477.8	3224229	2.349867	7.24E-05	0.000551	0.425215	Up
2570673	5146949	1.001571	6.26E-05	0.000545	0.424019	Up
5875327	2675940	-1.13462	0.064614	0.099241	0.420667	Normal
7870736	10608453	0.430644	0.01542	0.028897	0.414555	Normal
2469967	4854162	0.974731	1.68E-05	0.000264	0.408727	Normal
16804249	19438537	0.210094	0.01451	0.02765	0.407855	Normal
16787613	14137197	-0.2479	0.022066	0.038692	0.403356	Normal
58715.52	2328376	5.309438	7.74E-07	4.88E-05	0.399201	Up
418768.1	2830751	2.756962	0.005852	0.01263	0.398434	Up
5131840	7654623	0.576855	0.016169	0.030131	0.397803	Normal
17119576	19592882	0.194683	0.019373	0.034693	0.392071	Normal
6146194	8520240	0.471201	0.011105	0.021652	0.389537	Normal
2291651	65135.97	-5.13679	0.001775	0.005122	0.388444	Down
120979	2270979	4.230486	2.82E-05	0.000326	0.387791	Up
1745630	3843917	1.138829	2.19E-05	0.000291	0.383311	Up
1.74E+08	1.82E+08	0.06407	0.626897	0.683765	0.37105	Normal
3151581	5239433	0.733335	0.006453	0.013578	0.370116	Normal
19932606	22373607	0.166668	0.061619	0.095746	0.368123	Normal
10414007	7970112	-0.38585	0.078759	0.117673	0.362872	Normal
5779447	7629250	0.40061	1.86E-05	0.000271	0.359881	Normal
12311856	14447361	0.230758	0.027797	0.047425	0.359067	Normal
129257.2	3532255	4.772272	0.270876	0.34896	0.358972	Normal
10228670	12180245	0.251925	0.008471	0.01725	0.356156	Normal
2384256	586559.2	-2.02319	0.00049	0.001935	0.351903	Down
705558.3	2492375	1.820684	0.000728	0.002554	0.350397	Up
4577153	2774563	-0.72219	0.001646	0.004804	0.350204	Normal
36758205	29645055	-0.31027	0.662439	0.713287	0.339762	Normal
3218535	1597295	-1.01077	1.40E-05	0.000244	0.337119	Down
7026679	8652636	0.300297	0.000954	0.00313	0.333643	Normal
194871.3	1790959	3.200139	0.000227	0.001157	0.332761	Up
49219.12	1605183	5.027375	3.45E-06	0.000102	0.330419	Up
1048930	2616246	1.318579	0.00033	0.001473	0.329344	Up
4200644	5921955	0.495463	0.0151	0.028561	0.329177	Normal
2064384	3568508	0.78961	0.00042	0.001735	0.322271	Normal
150640.3	1571269	3.382751	0.000142	0.000851	0.314331	Up
4802180	6229356	0.375393	0.000689	0.002449	0.313157	Normal
1107698	3454813	1.641042	0.220715	0.293318	0.310762	Normal
1640616	3008396	0.874757	5.89E-05	0.000531	0.309	Normal
6946065	5384359	-0.36742	0.028272	0.048072	0.307559	Normal
14244620	16135799	0.179848	0.117881	0.1696	0.30557	Normal
4026260	5418421	0.428432	0.003288	0.008158	0.304946	Normal
1432971	2789259	0.960873	0.001792	0.005142	0.303096	Normal
5253581	3931472	-0.41823	0.00059	0.002166	0.301542	Normal
1693824	5035422	1.571828	0.450126	0.536085	0.30138	Normal
1648013	293769.9	-2.48797	0.00308	0.007895	0.30106	Down
1634373	2913880	0.834204	3.33E-05	0.000351	0.299049	Normal
407378.4	1648533	2.016741	0.000102	0.000716	0.294125	Up
14580908	12989125	-0.16678	0.098703	0.144478	0.286549	Normal

122970.3	1326806	3.431577	0.001381	0.004222	0.286353	Up
473675.3	1573850	1.732328	3.53E-05	0.000364	0.277313	Up
308659.2	1407881	2.189439	6.51E-05	0.000548	0.276951	Up
9904949	11007412	0.152254	0.004326	0.009931	0.270796	Normal
2520021	3586884	0.509295	0.004106	0.009644	0.266665	Normal
6109616	7248514	0.246604	0.018271	0.03307	0.266535	Normal
78416.02	1146797	3.870318	0.009422	0.018806	0.262765	Up
313926.8	1289443	2.038248	5.68E-05	0.000525	0.261059	Up
897940.9	1839255	1.034429	7.07E-05	0.000551	0.256289	Up
2163480	3101490	0.519607	0.003137	0.00796	0.251022	Normal
214954.6	1117035	2.37757	7.10E-05	0.000551	0.250916	Up
951664.1	1834348	0.946743	8.18E-05	0.000599	0.248087	Normal
533920.3	1393468	1.383983	0.001127	0.003557	0.242341	Up
24376.26	837558.6	5.102642	0.00015	0.000869	0.237866	Up
802076.2	1603180	0.999125	0.000202	0.001088	0.235896	Normal
41754.74	793700.7	4.248583	0.000205	0.001089	0.228548	Up
16701399	17831544	0.094463	0.158055	0.217487	0.227885	Normal
2024108	2764982	0.449984	7.52E-05	0.000559	0.227302	Normal
864707.8	1590637	0.87932	0.002457	0.006601	0.22099	Normal
1906602	1169864	-0.70466	0.006113	0.01297	0.219989	Normal
986160.3	2142446	1.119365	0.242792	0.317642	0.2155	Normal
2474015	1698469	-0.54262	0.052063	0.081398	0.209516	Normal
181724.1	789275.3	2.118779	0.000368	0.00157	0.205039	Up
127409.3	756925.9	2.570682	0.004131	0.009658	0.204878	Up
2287940	2945951	0.364684	0.01893	0.034141	0.202303	Normal
2327720	2928978	0.33148	0.004239	0.009819	0.199865	Normal
2808075	2198341	-0.35317	0.007339	0.015314	0.199651	Normal
2298358	2909416	0.340126	0.022557	0.039415	0.193763	Normal
899073.3	1579772	0.813205	0.066175	0.101268	0.193601	Normal
19988.56	557819.2	4.802551	0.000922	0.003063	0.191957	Up
3487017	4030199	0.208857	0.004222	0.009819	0.190038	Normal
2246320	2782126	0.308624	0.003787	0.009065	0.189034	Normal
5679337	6344465	0.159776	0.084581	0.125259	0.187458	Normal
509670.2	1016268	0.995644	0.000617	0.002215	0.186649	Normal
1770626	2275192	0.361728	0.003857	0.009144	0.183429	Normal
1174542	686578.7	-0.7746	0.000552	0.002103	0.183291	Normal
2205367	2699376	0.291607	0.003979	0.009389	0.181345	Normal
731818.2	263825.1	-1.4719	1.79E-05	0.000271	0.181092	Down
3312955	2819020	-0.23292	0.006031	0.01285	0.18009	Normal
549969.3	78975.5	-2.79987	0.000814	0.002778	0.179671	Down
730950.3	1198944	0.71392	0.001321	0.004068	0.178469	Normal
2083243	2600506	0.319961	0.028731	0.048688	0.176403	Normal
676809.2	1123786	0.731546	0.000814	0.002778	0.175181	Normal
88134.34	519793	2.560161	4.62E-08	7.78E-06	0.174154	Up
828753.9	1266112	0.61139	0.002924	0.007573	0.171379	Normal
1666745	2268153	0.444485	0.136778	0.191338	0.169307	Normal
615188.8	1036227	0.752239	0.003383	0.008297	0.167889	Normal
485470.2	903487.2	0.896121	0.002787	0.007329	0.167677	Normal
2694563	3103796	0.203983	0.004946	0.011053	0.164516	Normal
695900.2	1077410	0.630614	0.000618	0.002215	0.162019	Normal
550726.1	172743	-1.67271	0.000522	0.002011	0.16137	Down
2786507	3261691	0.227162	0.077596	0.116279	0.159661	Normal
321669.3	731979.5	1.186225	0.024983	0.043059	0.157856	Up

500470.5	865958.3	0.791013	0.003201	0.008036	0.156293	Normal
1001326	1439033	0.523188	0.077362	0.116273	0.153148	Normal
2466081	2800135	0.183276	0.005267	0.011626	0.148399	Normal
1738370	1358910	-0.35528	0.042619	0.068543	0.148241	Normal
715462.6	403512.6	-0.82626	0.000274	0.001292	0.14699	Normal
147253.1	457379.9	1.635095	9.19E-05	0.000663	0.146981	Up
1651186	957711.6	-0.78584	0.392169	0.483037	0.146219	Normal
1536793	1839367	0.259286	0.000768	0.002675	0.144099	Normal
1186635	1475771	0.314593	4.18E-06	0.000106	0.142417	Normal
2901544	2558092	-0.18175	0.038923	0.063	0.142107	Normal
727692.2	1026756	0.496693	0.006015	0.01285	0.14009	Normal
266439.8	544606.6	1.031405	6.00E-05	0.000531	0.139366	Up
112782.2	388614.5	1.7848	7.04E-06	0.000162	0.139059	Up
1725021	2066578	0.26063	0.081768	0.12145	0.135222	Normal
218121.7	480015	1.137946	0.000307	0.001395	0.134719	Up
659771.3	404513.3	-0.70578	0.001417	0.004285	0.13188	Normal
394852.6	141603.6	-1.47946	0.002265	0.006251	0.130618	Down
661449.2	408494.1	-0.69532	0.002491	0.00662	0.130424	Normal
501034.4	750367.8	0.582688	0.003385	0.008297	0.129252	Normal
305591.7	538350.9	0.816942	0.001174	0.003684	0.125948	Normal
21865600	21017601	-0.05706	0.621778	0.681363	0.124642	Normal
170584	379465.1	1.153485	0.000139	0.000851	0.120597	Up
650344.3	865789.3	0.412812	0.005773	0.012512	0.119106	Normal
265938.4	464673.9	0.805127	0.000295	0.001368	0.117274	Normal
349048.4	548258.4	0.651429	0.000583	0.002164	0.11714	Normal
8.77E+08	8.79E+08	0.003863	0.871112	0.895275	0.116807	Normal
406946.7	615181.9	0.596173	0.011514	0.022194	0.115348	Normal
730888.5	962628.1	0.397327	0.048329	0.07699	0.11491	Normal
296798	114392.6	-1.37549	3.19E-05	0.000342	0.112952	Down
834787.6	647901.3	-0.36564	0.001436	0.004316	0.112824	Normal
585009.4	799932.8	0.451419	0.035072	0.05788	0.112748	Normal
549254.4	740479.1	0.430985	0.016369	0.030279	0.109535	Normal
233721.8	461181.9	0.980543	0.0885	0.13068	0.108804	Normal
293107.6	476575.1	0.701273	0.010401	0.020358	0.108783	Normal
946281	1140351	0.269137	0.030487	0.050644	0.108157	Normal
927737	1142771	0.300748	0.074045	0.111619	0.107796	Normal
100143.6	284660.6	1.507172	0.023137	0.040152	0.106321	Up
212723.5	51119.21	-2.05704	4.44E-05	0.000431	0.106244	Down
519194.9	680796.6	0.390948	0.000517	0.002007	0.105472	Normal
752134.8	552759	-0.44434	0.062332	0.096262	0.104924	Normal
323372.9	547636.8	0.760021	0.133132	0.187798	0.103816	Normal
67313.86	377839.8	2.488799	0.324479	0.408633	0.103397	Normal
1189019	1461128	0.29731	0.248326	0.323189	0.103287	Normal
689070.5	523541.7	-0.39635	0.011345	0.022036	0.10296	Normal
1755982	1529961	-0.19878	0.14923	0.205905	0.10265	Normal
36163.16	187545.1	2.374645	0.000486	0.001933	0.10221	Up
345713.1	181581.6	-0.92896	0.01545	0.028897	0.101894	Normal
33019.03	173134.6	2.390524	3.43E-06	0.000102	0.099154	Up
324292.3	179139.7	-0.85621	0.003521	0.00855	0.098613	Normal
607647	467008.5	-0.37978	0.000702	0.002478	0.098367	Normal
301249.7	160719	-0.90642	0.001214	0.003785	0.097927	Normal
213091.1	357416.2	0.746135	0.00921	0.018529	0.096517	Normal
182773.1	49198.05	-1.89338	0.000253	0.001239	0.096321	Down

518773.4	364603.5	-0.50878	0.029177	0.049278	0.096196	Normal
136216	278337.7	1.03094	0.010375	0.020358	0.095495	Up
1891319	1658669	-0.18937	0.251527	0.325695	0.095434	Normal
180860.2	311789	0.785695	0.00036	0.001555	0.095132	Normal
735446.2	882180.2	0.262453	0.039954	0.064463	0.09286	Normal
12398499	13034136	0.072129	0.713155	0.756603	0.092858	Normal
28606.33	151157.4	2.401645	0.000195	0.001066	0.092293	Up
80808.67	224454.3	1.47384	0.049503	0.078167	0.090524	Normal
66197.54	204430.1	1.626758	0.050306	0.078897	0.088973	Normal
999452.3	844652.4	-0.24278	0.113656	0.164459	0.088109	Normal
1716040	1496988	-0.19702	0.326596	0.410276	0.087238	Normal
422434.5	310832.6	-0.44259	0.00436	0.009963	0.08616	Normal
50144.77	152790.6	1.607384	1.05E-05	0.000222	0.08483	Up
248888.2	353011.3	0.504217	0.002821	0.007381	0.083606	Normal
128475.8	229050.9	0.834171	0.000503	0.001969	0.0833	Normal
357984.6	460782.3	0.364188	0.003589	0.008631	0.082766	Normal
308832.6	423496.7	0.455526	0.03537	0.058181	0.082495	Normal
31857.95	138950.9	2.12485	0.020851	0.036746	0.081425	Up
272908.4	163585.9	-0.73837	0.030238	0.050396	0.080894	Normal
931060.5	545827	-0.77043	0.635668	0.686926	0.080772	Normal
874769.7	985132.7	0.171415	0.038737	0.0629	0.080498	Normal
164449.3	30062.49	-2.45161	0.138838	0.193683	0.079935	Normal
24795129	25442214	0.037167	0.786016	0.826954	0.079739	Normal
130208.9	19732.71	-2.72217	0.050034	0.078715	0.079399	Normal
51330.2	152259.5	1.568652	0.019137	0.034392	0.079396	Up
29779.95	130645.5	2.133244	0.025662	0.04408	0.078404	Up
77791.35	195823.7	1.331874	0.099184	0.144762	0.077843	Normal
324843.2	417514.2	0.362082	0.015269	0.028771	0.076591	Normal
207303.3	293813.3	0.503157	0.002228	0.006182	0.076487	Normal
236642.2	144844.2	-0.70821	0.014127	0.027127	0.076276	Normal
27355.83	190778.3	2.801977	0.32433	0.408633	0.075078	Normal
1177520	899032.6	-0.38931	0.581402	0.655461	0.07465	Normal
25323.31	105818.4	2.063053	0.000556	0.002103	0.074499	Up
92920.74	265244.5	1.51325	0.365819	0.451684	0.07423	Normal
409644.4	226197.4	-0.85679	0.403373	0.490852	0.07363	Normal
149747.3	69452.87	-1.10842	0.002288	0.006279	0.073538	Down
190770.2	272993.5	0.517031	0.007735	0.016034	0.0732	Normal
217751.8	113847.7	-0.93558	0.108822	0.157917	0.072427	Normal
19005.51	93381.53	2.29672	0.002437	0.006582	0.070876	Up
134401.8	58000.28	-1.21242	0.008202	0.016769	0.070348	Down
2510102	2237493	-0.16586	0.623346	0.681363	0.06996	Normal
116648.6	48042.84	-1.27978	0.000115	0.000774	0.06913	Down
83217.14	15149.4	-2.45762	9.36E-07	5.25E-05	0.069128	Down
97798.99	27769.22	-1.81633	0.001557	0.004598	0.069054	Down
641868.7	568684	-0.17465	0.008011	0.01648	0.068967	Normal
61334.71	131463.9	1.099891	0.002122	0.005921	0.068821	Up
4908303	4663879	-0.07369	0.591651	0.662432	0.068758	Normal
106118.7	177053.3	0.738505	0.004534	0.010269	0.068567	Normal
78977.84	11658.34	-2.76009	0.000119	0.000785	0.068454	Down
174455.2	337638.4	0.952622	0.428213	0.516103	0.068235	Normal
305082.9	380394.6	0.318296	0.03655	0.059541	0.066773	Normal
122417.1	56914.86	-1.10493	0.003835	0.009135	0.066188	Down
61875.29	125499.7	1.020249	0.002372	0.006474	0.065468	Up

28637.88	91476.87	1.675482	0.001921	0.005418	0.065257	Up
1731000	1806689	0.061743	0.071222	0.108009	0.064368	Normal
221859.4	284844.4	0.360529	0.008028	0.01648	0.064113	Normal
75041.73	133814.8	0.834473	0.000171	0.00097	0.063904	Normal
178668.2	114824.1	-0.63786	0.020883	0.036746	0.062777	Normal
40321.93	97790.35	1.278127	0.001727	0.005014	0.062484	Up
19244.63	98177.73	2.35094	0.125291	0.178231	0.062157	Normal
299247.2	393919.7	0.396564	0.232751	0.307695	0.062014	Normal
178185.9	118819.9	-0.58461	0.009463	0.018815	0.062012	Normal
24958.47	78486.75	1.652919	0.000358	0.001555	0.060838	Up
118241	175915.5	0.573152	0.016592	0.030579	0.060059	Normal
13411101	13100559	-0.0338	0.760314	0.803261	0.059161	Normal
177115.6	88909.13	-0.99429	0.248952	0.323189	0.058822	Normal
87357.95	138728.9	0.667258	0.003177	0.008023	0.058697	Normal
183788.2	266106.8	0.533962	0.219846	0.292934	0.058439	Normal
171539.7	245113.7	0.514908	0.165129	0.225379	0.05774	Normal
135441.7	194633	0.523085	0.062208	0.096262	0.057124	Normal
98568.9	50607.33	-0.96179	0.005351	0.011748	0.056309	Normal
65017.69	18758.71	-1.79327	0.002592	0.006853	0.055854	Down
1710064	1788592	0.064774	0.241546	0.316834	0.055665	Normal
167862	216581.6	0.367636	0.016865	0.03097	0.055212	Normal
137076.1	181856	0.40782	0.004764	0.010741	0.054461	Normal
29944.1	73818.19	1.301704	0.001999	0.005609	0.05446	Up
72683.2	28781.96	-1.33646	0.002953	0.007608	0.054283	Down
65851.92	24002	-1.45607	1.63E-05	0.000264	0.054155	Down
101673.7	60566.21	-0.74736	0.000142	0.000851	0.053508	Normal
371770.7	324337.1	-0.19692	0.046277	0.073956	0.052232	Normal
253784.8	303786.9	0.259454	0.081251	0.121037	0.05166	Normal
10950.01	48178.69	2.137463	6.21E-07	4.48E-05	0.051132	Up
686337.6	612058.1	-0.16525	0.313323	0.396561	0.051075	Normal
390528.1	460126	0.236602	0.288989	0.368534	0.050446	Normal
40590.41	77770.61	0.938086	0.001038	0.003317	0.050416	Normal
54384.89	18439.72	-1.56039	2.29E-06	0.000101	0.050222	Down
66843.41	32488	-1.04088	0.000558	0.002103	0.048615	Down
13072.16	61417.98	2.232163	0.128382	0.182114	0.048419	Normal
78375.94	171233.1	1.127479	0.487636	0.572688	0.048108	Normal
99308.51	141543.8	0.511259	0.073594	0.111273	0.047953	Normal
342024.8	265891	-0.36327	0.402026	0.490395	0.047883	Normal
26714.45	59498.44	1.155231	0.000196	0.001066	0.047725	Up
108451	72845.77	-0.57413	0.017623	0.032014	0.047152	Normal
62348.98	19768.39	-1.65717	0.098346	0.144374	0.046692	Normal
121516.3	158957.3	0.387489	0.049532	0.078167	0.046374	Normal
148014.6	112792.3	-0.39207	0.029799	0.050162	0.046014	Normal
10684.34	43325.07	2.019705	0.009288	0.018612	0.045916	Up
450827.5	518332.4	0.201302	0.397214	0.488061	0.044749	Normal
46869.11	12537.39	-1.9024	0.044131	0.07075	0.044648	Normal
674343.9	746823	0.147282	0.449284	0.536085	0.044395	Normal
255803.2	387463	0.599024	0.698541	0.745799	0.044028	Normal
726280.4	629939.3	-0.20531	0.59291	0.662432	0.043728	Normal
222592.2	267308.4	0.264102	0.195504	0.264691	0.043717	Normal
246385.3	205570.2	-0.26129	0.163223	0.223382	0.043286	Normal
93255.57	122582.4	0.39449	0.014312	0.027378	0.043024	Normal
79340.94	134259.4	0.758886	0.341832	0.427289	0.042922	Normal

240920.5	274105.3	0.186173	0.064654	0.099241	0.042816	Normal
600315.1	547148.9	-0.13379	0.348315	0.433249	0.041701	Normal
19081.95	43764.4	1.197549	0.000185	0.001041	0.041416	Up
50005872	49518827	-0.01412	0.91558	0.930318	0.041134	Normal
99844.85	127108.2	0.348297	0.023901	0.041335	0.040768	Normal
1427750	1497140	0.068466	0.506262	0.591811	0.040678	Normal
47618.61	15776.27	-1.59377	0.093149	0.137143	0.040586	Normal
126686.3	93559.84	-0.4373	0.120764	0.173254	0.040322	Normal
682783.5	725930.5	0.088403	0.276294	0.355034	0.04006	Normal
47059.8	24081.15	-0.96659	0.000408	0.001703	0.039849	Normal
28863.92	52920.96	0.874572	0.005272	0.011626	0.039836	Normal
329515.7	362814.9	0.138886	0.14625	0.202345	0.039533	Normal
154903.1	124145.5	-0.31933	0.123542	0.176239	0.038795	Normal
16224.63	37739.94	1.217907	6.48E-05	0.000548	0.038759	Up
1.05E+08	1.06E+08	0.005321	0.914153	0.930318	0.038687	Normal
13719.98	35346.29	1.365281	0.000891	0.002979	0.038525	Up
71060.96	95408.84	0.425066	0.03001	0.050349	0.038278	Normal
76911.48	99937.11	0.377822	0.020744	0.036746	0.037718	Normal
87983.24	117490.6	0.417245	0.136449	0.191338	0.037494	Normal
51524.34	73910.44	0.520524	0.017042	0.0311	0.037448	Normal
36693.74	56286.41	0.617253	0.001046	0.003322	0.036592	Normal
1757377	1815126	0.046646	0.556996	0.63783	0.035128	Normal
78640.71	58849.38	-0.41825	0.022855	0.039799	0.034885	Normal
9035934	8893280	-0.02296	0.811933	0.845415	0.034696	Normal
2.06E+08	2.06E+08	0.005063	0.965021	0.972726	0.034114	Normal
42012.29	60006.99	0.514319	0.009058	0.018371	0.034089	Normal
14017.87	34279.51	1.290079	0.068825	0.105005	0.033352	Normal
116765.1	94815.7	-0.30041	0.103487	0.150608	0.033341	Normal
116603.4	156588.3	0.425366	0.449623	0.536085	0.033241	Normal
69816.3	87390.6	0.323914	0.016345	0.030279	0.033167	Normal
111405.1	141023.9	0.340124	0.285213	0.36464	0.03283	Normal
37894.13	22207.11	-0.77095	0.001005	0.003261	0.032756	Normal
5889.196	20628.46	1.808493	0.000124	0.000792	0.032031	Up
23882.19	44522.3	0.898593	0.121293	0.17352	0.03199	Normal
92763.05	146145.9	0.655787	0.596348	0.664802	0.03195	Normal
80128.83	123845.3	0.628145	0.533086	0.618869	0.03167	Normal
648991.9	704644.8	0.118696	0.623297	0.681363	0.031618	Normal
71162.33	88380.06	0.312607	0.059945	0.093433	0.030953	Normal
190580.3	126105.8	-0.59576	0.690275	0.740104	0.030876	Normal
200037.3	255498.3	0.353045	0.633463	0.686926	0.0307	Normal
110240.2	87739.65	-0.32935	0.224763	0.297915	0.03032	Normal
16150.66	31107.63	0.945676	0.036263	0.059264	0.029697	Normal
165379.5	129509.9	-0.35272	0.508167	0.592666	0.029581	Normal
117326.8	152737.1	0.380518	0.497218	0.582587	0.029483	Normal
81325.8	100487.2	0.305226	0.171397	0.233123	0.0293	Normal
119741.4	162814.7	0.443309	0.592266	0.662432	0.029271	Normal
14013.18	27154.14	0.954388	0.00912	0.018423	0.029156	Normal
276149.6	221022.3	-0.32126	0.683069	0.733936	0.028709	Normal
24927.39	12577.87	-0.98684	0.007747	0.016034	0.028354	Normal
42518.6	29181.76	-0.54303	0.033225	0.055013	0.02819	Normal
70325.41	50956.7	-0.46477	0.247059	0.322389	0.027781	Normal
432807.9	488854.6	0.175678	0.705185	0.751304	0.027662	Normal
16870.45	28891.59	0.776151	0.015021	0.028517	0.027585	Normal

25497.94	43311.35	0.764365	0.234932	0.309767	0.026869	Normal
34763.08	45608.63	0.391751	0.006728	0.014099	0.026672	Normal
19013.91	37685.97	0.986972	0.280599	0.359651	0.026373	Normal
249182	227794.6	-0.12947	0.361553	0.44751	0.026294	Normal
14620.08	24381.45	0.737833	0.005263	0.011626	0.025409	Normal
19040.5	28683.56	0.591153	0.003463	0.008449	0.025385	Normal
38112.55	21429.56	-0.83066	0.261732	0.338043	0.025266	Normal
48562.01	24012.35	-1.01605	0.470696	0.556678	0.025253	Normal
64490.2	51783.07	-0.3166	0.117399	0.169389	0.025069	Normal
696139.4	667149.2	-0.06137	0.574708	0.651484	0.024196	Normal
56109.16	43896.66	-0.35413	0.133693	0.188064	0.02416	Normal
159644.6	120780.8	-0.40247	0.691854	0.740225	0.023856	Normal
14959.26	23207.17	0.633532	0.003214	0.008036	0.023529	Normal
30070.23	19353.1	-0.63577	0.132249	0.187075	0.022743	Normal
107540.3	95611.38	-0.16962	0.215617	0.288824	0.022232	Normal
39129.87	59660.96	0.608517	0.547235	0.632389	0.021301	Normal
408506.6	386562.4	-0.07966	0.57076	0.650641	0.021045	Normal
57754.86	42000.07	-0.45955	0.443677	0.532201	0.020869	Normal
56892.96	40107.43	-0.50438	0.482481	0.567955	0.020597	Normal
226102.7	246729.5	0.125952	0.581478	0.655461	0.020317	Normal
20192.82	14387.56	-0.48902	0.00015	0.000869	0.0201	Normal
193403.9	207853.1	0.103947	0.527141	0.613378	0.018362	Normal
31404.28	49718.97	0.662835	0.636596	0.686926	0.017883	Normal
913549.2	877067	-0.0588	0.828689	0.859318	0.017687	Normal
5945448	5995412	0.012073	0.871275	0.895275	0.016929	Normal
31606.58	19632.75	-0.68696	0.554686	0.63783	0.016221	Normal
23201.92	29301.9	0.33675	0.204687	0.275645	0.016031	Normal
40478.31	45576.2	0.171131	0.145389	0.201707	0.015495	Normal
96428.88	104736.9	0.119232	0.452222	0.536085	0.015075	Normal
56832.8	64813.66	0.189574	0.44246	0.532005	0.014901	Normal
527745.9	539114.3	0.030748	0.603577	0.668435	0.014828	Normal
29584.47	39746.26	0.425979	0.57321	0.651484	0.01459	Normal
20418.69	32249.49	0.659386	0.633256	0.686926	0.014344	Normal
7283.096	12885.78	0.823156	0.294637	0.37479	0.014287	Normal
10542.41	13553.73	0.362484	0.004302	0.009919	0.014156	Normal
18370.99	27217.95	0.567129	0.569773	0.650641	0.013462	Normal
6983.643	12459.99	0.835251	0.358831	0.445233	0.01335	Normal
231766.7	210843.6	-0.1365	0.82343	0.855622	0.013286	Normal
47114.36	35386.29	-0.41298	0.707846	0.752552	0.012806	Normal
20102.24	16366.36	-0.29662	0.210529	0.282759	0.012465	Normal
12439.04	6531.304	-0.92943	0.475924	0.561546	0.012301	Normal
12110.24	19440.84	0.682863	0.620967	0.681363	0.011565	Normal
14927.79	17682.05	0.244285	0.144393	0.200877	0.011356	Normal
18883.67	14644.11	-0.36682	0.399782	0.490024	0.011186	Normal
230651.5	223628.8	-0.04461	0.635469	0.686926	0.011164	Normal
11142.86	7572.292	-0.55732	0.344779	0.42991	0.010865	Normal
50422.25	46637.09	-0.11258	0.423782	0.513977	0.010336	Normal
48019.04	52642.96	0.132634	0.538471	0.623688	0.010174	Normal
15516.06	20219.47	0.381983	0.556595	0.63783	0.010042	Normal
22310.13	24829.85	0.154376	0.329107	0.412404	0.009274	Normal
11747.38	13624.64	0.21388	0.198362	0.267841	0.009003	Normal
127910.7	131399.3	0.038821	0.553157	0.637772	0.008743	Normal
288016	281173.5	-0.03469	0.760287	0.803261	0.008722	Normal

13453.68	9634.776	-0.48168	0.601618	0.66773	0.008662	Normal
24186.62	26942.73	0.155687	0.451575	0.536085	0.008581	Normal
11900.56	10371.17	-0.19845	0.162465	0.222948	0.008341	Normal
834676.1	844701	0.017224	0.855516	0.883508	0.008054	Normal
12025.28	13745.62	0.192901	0.307742	0.390476	0.007793	Normal
31163.49	26026.71	-0.25986	0.770245	0.812053	0.007528	Normal
16603.05	15576.97	-0.09203	0.171726	0.233123	0.006792	Normal
36178.39	38473.39	0.088733	0.592578	0.662432	0.006678	Normal
6920.89	8469.302	0.291286	0.425061	0.513977	0.006652	Normal
82709.76	84958.59	0.038702	0.609035	0.673004	0.006578	Normal
28863.66	31070.78	0.106304	0.598766	0.666029	0.006513	Normal
67529.71	71776.49	0.087989	0.801973	0.83677	0.006427	Normal
7310.894	5386.76	-0.44063	0.613895	0.676893	0.006033	Normal
423960.3	431326.1	0.02485	0.886704	0.908287	0.006032	Normal
13374.73	10587.26	-0.33718	0.793784	0.831089	0.005081	Normal
309077.6	296469.5	-0.06009	0.969183	0.974975	0.004853	Normal
14469.97	16465.28	0.186365	0.790941	0.830406	0.004515	Normal
162858.1	166196.2	0.029272	0.872229	0.895275	0.004469	Normal
2705.084	3385.241	0.323585	0.57537	0.651484	0.003737	Normal
815254.8	812399.8	-0.00506	0.930427	0.942161	0.003022	Normal
16979.27	16075.9	-0.07887	0.794883	0.831089	0.00302	Normal
32848.93	30742.19	-0.09563	0.903692	0.921949	0.003016	Normal
145352	143036	-0.02317	0.930967	0.942161	0.002698	Normal
148779	150781.8	0.019291	0.945817	0.955275	0.002281	Normal
35985.2	35135.93	-0.03446	0.896933	0.916905	0.002072	Normal
5983.723	6452.279	0.108765	0.844687	0.874113	0.001798	Normal
3609537	3615114	0.002227	0.990602	0.994305	0.000954	Normal
86947.08	87543.28	0.009859	0.992336	0.994305	0.000538	Normal
13395.66	13395.09	-6.19E-05	0.999932	0.999932	8.84E-06	Normal

row	S.L.1	S.L.2	S.L.3	Z.L.1	Z.L.2	Z.L.3
1 Rrp0530	41612843	54359537	44901425	1.74E+09	1.7E+09	1.72E+09
2 Rrp0549	24038956	20265021	21896403	1.28E+09	1.3E+09	1.28E+09
3 Rrp0680	2.96E+08	2.98E+08	3.08E+08	1.32E+09	1.36E+09	1.32E+09
4 Rrp0679	2.83E+08	2.93E+08	2.83E+08	1.28E+09	1.29E+09	1.3E+09
5 Rrp0686	2.78E+08	2.77E+08	2.85E+08	1.25E+09	1.27E+09	1.29E+09
6 Rrp0681	2.74E+08	3.01E+08	3.12E+08	1.27E+09	1.28E+09	1.27E+09
7 Rrp0692	5178099	5456110	5216072	8.17E+08	9.1E+08	8.98E+08
8 Rrp0669	5.12E+08	4.49E+08	5.11E+08	1.33E+09	1.32E+09	1.34E+09
9 Rrp0668	5.05E+08	4.56E+08	5E+08	1.3E+09	1.21E+09	1.25E+09
10 Rrp0547	6.21E+08	6.33E+08	6.11E+08	1.29E+09	1.41E+09	1.4E+09
11 Rrp0527	6.49E+08	6.49E+08	5.77E+08	1.05E+09	1.06E+09	1.09E+09
12 Rrp0546	9.82E+08	9.7E+08	9.23E+08	1.39E+09	1.4E+09	1.36E+09
13 Rrp0529	5.99E+08	6.19E+08	6.64E+08	1.01E+09	1.06E+09	1.06E+09
14 Rrp0654	41806664	40793667	39971985	3.52E+08	3.77E+08	3.96E+08
15 Rrp0655	39198968	46620719	40690649	3.49E+08	3.84E+08	3.96E+08
16 Rrp0564	290804.5	340928.8	303459.9	2.95E+08	3E+08	3.29E+08
17 Rrp0522	7.99E+08	7.86E+08	8.16E+08	5.31E+08	5.34E+08	5.46E+08
18 Rrp0165	6.4E+08	6.66E+08	6.87E+08	8.52E+08	9.13E+08	9.42E+08
19 Rrp0538	1.22E+09	1.2E+09	1.22E+09	9.86E+08	9.9E+08	1E+09
20 Rrp0673	7078579	7040234	8381529	1.98E+08	2.03E+08	2.06E+08
21 Rrp0651	3.15E+08	3.08E+08	3.09E+08	1.25E+08	1.45E+08	1.46E+08
22 Rrp0582	1.6E+08	1.55E+08	1.66E+08	2.96E+08	3.4E+08	3.4E+08
23 Rrp0664	1.82E+08	1.8E+08	1.78E+08	3.17E+08	3.35E+08	3.18E+08
24 Rrp0509	7491859	8113806	8361813	1.31E+08	1.45E+08	1.47E+08
25 Rrp0321	1.04E+08	1.14E+08	1.17E+08	10206311	10434984	9427750
26 Rrp0188	6.65E+08	6.45E+08	6.54E+08	7.31E+08	7.4E+08	7.54E+08
27 Rrp0386	2.46E+08	2.32E+08	2.41E+08	1.55E+08	1.53E+08	1.54E+08
28 Rrp0440	1.65E+08	1.95E+08	1.62E+08	1.1E+08	1.21E+08	98180039
29 Rrp0528	1.79E+08	2.34E+08	2.26E+08	2.69E+08	2.89E+08	2.8E+08
30 Rrp0455	53490472	54307797	55704964	1.19E+08	1.1E+08	1.05E+08
31 Rrp0368	5507542	6923757	6007284	59393415	58343810	66174157
32 Rrp0684	1.3E+08	1.38E+08	1.28E+08	73224487	78453762	80504215
33 Rrp0674	1.15E+08	1.23E+08	1.31E+08	69206139	70522504	68170387
34 Rrp0701	1704480	1844735	1776263	45803106	56484617	57655797
35 Rrp0568	9006671	7683242	8638123	50507579	57883028	57722499
36 Rrp0438	1.28E+08	1.43E+08	1.45E+08	87077851	97590268	89675345
37 Rrp0456	53851504	55439232	57093693	1.12E+08	1.02E+08	93679163
38 Rrp0228	2.07E+08	1.99E+08	2.06E+08	1.64E+08	1.59E+08	1.59E+08
39 Rrp0569	12351109	12508125	12846257	47709708	55959161	61120600
40 Rrp0305	45037953	42792119	53975331	6102529	4978351	4264991
41 Rrp0515	36814840	37339648	41784121	74628584	83922342	80863097
42 Rrp0544	309929.6	33317.56	38980.62	40293979	40125716	39705192
43 Rrp0645	54215482	41520783	54281352	82163930	86205230	87289531
44 Rrp0481	43166443	45895100	43744377	12450930	12852290	13336525
45 Rrp0511	54640427	59477813	64784963	22740946	31144485	28707462
46 Rrp0510	51726401	51023300	59356113	22904376	24273521	25832995
47 Rrp0480	41529611	38320607	38374669	11368809	11196594	11620877
48 Rrp0517	40479418	35852220	37159413	10840775	9682923	10261604
49 Rrp0512	50937842	47455441	53448112	22500946	22948493	24036850
50 Rrp0670	1.15E+08	1.16E+08	1.2E+08	73091991	81195738	1.04E+08
51 Rrp0359	1.01E+09	9.89E+08	1.02E+09	9.6E+08	9.84E+08	9.77E+08
52 Rrp0383	8.61E+08	8.88E+08	8.82E+08	8.64E+08	8.45E+08	8.32E+08

53 Rrp0507	38671994	46566263	47493269	19342788	21900503	22465243
54 Rrp0665	19900059	17562981	18099442	39802409	39637464	43434909
55 Rrp0513	11835990	12357228	12742349	35684203	34085319	32244635
56 Rrp0685	10161668	9981111	9877114	29336330	29599802	37518227
57 Rrp0514	45786999	44022592	52397973	18051482	25486680	33278253
58 Rrp0565	7208757	7516453	6601661	50099161	46543187	5058598
59 Rrp0754	22380416	26512707	28587378	7811654	9104550	8134889
60 Rrp0644	29088046	31451498	30254550	42540459	50385484	49018197
61 Rrp0055	1.03E+08	1.05E+08	1.08E+08	80766992	90644980	91581591
62 Rrp0583	48731.96	49695.41	49230	14395738	16561375	17125457
63 Rrp0508	10365353	9657391	10663266	20976333	32464480	25584437
64 Rrp0384	8.28E+08	8.56E+08	8.51E+08	8.34E+08	8.23E+08	8.21E+08
65 Rrp0643	26289598	23069420	25332183	10671860	11966285	12200893
66 Rrp0581	299277.6	325759.7	300940.3	11845331	13130920	14842824
67 Rrp0753	15092139	16535089	16799723	5954278	5215015	5490674
68 Rrp0755	13148427	11573023	12042452	2711869	2885858	2330911
69 Rrp0361	9.88E+08	9.53E+08	9.8E+08	9.62E+08	9.61E+08	9.53E+08
70 Rrp0011	91389673	87188585	87879559	93753455	1.03E+08	99644722
71 Rrp0678	13744893	14033503	14710906	5755486	5558342	5522543
72 Rrp0466	1381570	1831881	1952466	10260874	9814486	10698622
73 Rrp0467	1641038	1971394	1832832	9398400	10626181	10665102
74 Rrp0014	2.04E+08	1.95E+08	2.08E+08	2.02E+08	2.21E+08	2.22E+08
75 Rrp0598	8276590	7856394	7400533	14767357	15549331	14584781
76 Rrp0600	6282403	7732976	7546734	13580625	14652148	14045010
77 Rrp0464	13400311	13005506	10789681	5876862	5917705	4285264
78 Rrp0652	2.07E+08	1.98E+08	2.12E+08	1.99E+08	2.31E+08	2.25E+08
79 Rrp0197	12293855	11429367	12248438	18092319	18827937	18314178
80 Rrp0441	14370349	13960946	11902008	5666052	8315154	6299783
81 Rrp0661	3278394	4231424	3318794	9355389	10133321	9848891
82 Rrp0333	1.29E+08	1.29E+08	1.28E+08	1.28E+08	1.41E+08	1.41E+08
83 Rrp0650	3250169	2917054	3287519	7196535	9360795	11220646
84 Rrp0102	34821409	37457523	33964265	29099352	30659236	30794185
85 Rrp0516	9964474	8458558	8684769	4103584	4446916	4177433
86 Rrp0098	27582560	28354323	26745284	21777404	24468732	22080352
87 Rrp0406	4691814	4750584	4964143	316700.7	345846.6	477697.7
88 Rrp0090	87991252	94756246	93933053	89118619	85555329	84772923
89 Rrp0690	565160.1	530316.8	638177.3	4588008	4883379	5028547
90 Rrp0648	7604017	6555707	6225256	2553100	2980392	2544162
91 Rrp0567	3732160	4199687	4146935	293542.9	200823	267515.4
92 Rrp0349	276568.7	470518.6	2576008	8108462	10518720	1097522
93 Rrp0096	25387508	26356131	23967404	20435786	22206058	20855619
94 Rrp0278	1899104	2144092	2206533	4953059	5538333	5568997
95 Rrp0696	3381850	3356355	4005587	7089595	6794466	6605324
96 Rrp0422	5662018	4068101	4008354	1017769	1432583	1454984
97 Rrp0345	14222739	14982162	14537823	10119356	11738027	12071777
98 Rrp0429	5336535	4995879	5428329	7989820	8263942	8718281
99 Rrp0119	8577122	11806796	10858104	6897360	6796397	7305477
100 Rrp0181	881398.7	1000094	1116864	3109090	4551991	4669942
101 Rrp0683	3214100	3664730	2979451	440069.5	331787.8	564283.8
102 Rrp0676	4416075	5024109	4440796	1942108	1879275	1719394
103 Rrp0720	1394348	1518002	1559810	3611466	4166345	4663469
104 Rrp0160	2671231	2096612	2384926	4247375	5697797	5363859
105 Rrp0606	22521713	25137108	26726567	18201926	22712002	22408127

106 Rrp0662	5205012	4285568	5234329	2025607	2127989	2696321
107 Rrp0087	20176530	22993827	22426443	16948397	20275776	18820785
108 Rrp0672	1631208	1685243	1801622	3727708	4137288	4479459
109 Rrp0490	2663338	2610372	3085812	4919080	5248395	5396645
110 Rrp0293	13350282	14215675	12816447	14757551	16683161	17106596
111 Rrp0381	1330320	1580605	1387986	3885803	4094127	3285803
112 Rrp0658	5963230	6078090	6287530	3627322	3749924	4134485
113 Rrp0474	4429560	4949906	4351993	2087938	2213300	2626783
114 Rrp0493	5590112	4406458	5047942	6564099	8199303	7466265
115 Rrp0223	55951301	63664779	60931322	58036297	56448743	55501698
116 Rrp0415	1711316	1708110	1733310	3435696	3885291	3756545
117 Rrp0143	13614308	14301712	14817839	15369516	17222507	16950297
118 Rrp0190	845010.9	570833.8	2402532	449566.7	6491614	6499650
119 Rrp0229	8275315	8697282	8522891	6406671	6609364	6622652
120 Rrp0251	671398.4	882178.8	625263.9	2127863	3144316	2900337
121 Rrp0640	3216413	2905288	3076072	1197276	1427329	958442.2
122 Rrp0328	2609550	2492804	2435859	699264.6	711661.8	668475.4
123 Rrp0532	5549162	5346023	4893671	170120.1	4083051	4008434
124 Rrp0103	20850789	21379397	21064710	21594257	23706475	23823908
125 Rrp0031	3542002	3531219	3387831	4966174	5023623	5060460
126 Rrp0746	160553.8	155130.2	172890.4	1486358	1729704	1865713
127 Rrp0130	3137305	3327522	3190779	1800084	1765101	1566600
128 Rrp0122	16435089	16414226	17254881	17036311	19260181	19782832
129 Rrp0348	1753775	1241578	1948687	223664.6	110287.2	22592.5
130 Rrp0354	2248010	1794075	2832869	568447.5	736163	951333
131 Rrp0306	5821774	5796410	5720156	4423204	4353369	4271302
132 Rrp0548	1824600	1668394	1743897	3013113	3146567	3380843
133 Rrp0540	68084.9	70806.3	31787.69	1790140	1184062	1438377
134 Rrp0691	19881.12	17669.98	22414.58	1149635	1515500	1383057
135 Rrp0688	5383654	4294093	4319391	5670558	6687301	6159503
136 Rrp0366	97862876	88254041	91600459	82674353	94445754	90170820
137 Rrp0047	648262.2	721772.1	599635	1668911	1972334	2018379
138 Rrp0171	2005176	2062082	2005066	2957959	3325620	3328573
139 Rrp0324	2564322	2280396	2715346	4397074	3463877	3522422
140 Rrp0752	377017.8	281756.2	283006.4	2179355	3594190	179591.7
141 Rrp0431	1034082	1023232	1089477	1862052	2263106	2342711
142 Rrp0309	2752173	2923659	3518962	1696980	1640637	2276081
143 Rrp0542	467508.9	524297.8	537204.1	1537598	1602291	1573680
144 Rrp0489	19809918	19157454	20830446	15730200	19575773	19095496
145 Rrp0465	2559348	2369875	2480677	3075652	3845145	3887591
146 Rrp0164	675221	708717.7	703761.9	1634823	1691325	1751397
147 Rrp0370	515848.9	469142.9	471418.9	1462822	1537334	1433564
148 Rrp0492	563871.7	984907.1	1033445	6609391	1135067	987611.5
149 Rrp0185	2361273	1925566	2203603	1159923	1123997	1210467
150 Rrp0311	38319.75	779886.1	109026.9	186602.1	2683674	2382793
151 Rrp0641	644115.1	686797.4	666217.5	1516751	1577811	1661763
152 Rrp0318	17014662	16560249	17783816	14614932	16774580	15989491
153 Rrp0115	1252551	1158433	1112643	291551.7	279151.1	328070.6
154 Rrp0038	445677.5	486457.6	488890.8	1182636	1379035	1466193
155 Rrp0074	1874200	1803630	2041976	1051968	1099442	1025315
156 Rrp0265	367775.6	346242.1	457566.7	1298007	1162247	1230555
157 Rrp0044	2807745	2597131	2017169	1348624	1409217	1791097
158 Rrp0417	2685559	2891963	2846704	2115965	2063662	1805706

159 Rrp0026	10028631	9788315	9897901	8543237	9340964	9162555
160 Rrp0107	2821693	3024216	2858724	1898208	2264218	2115264
161 Rrp0319	16762422	16790909	16710922	14540124	16888601	15312856
162 Rrp0148	32052377	34009422	33303354	34647030	31861169	38188571
163 Rrp0288	221796.6	2179984	2551777	465779.8	493862	492102.4
164 Rrp0742	560360.1	455657.6	540302.4	1371779	1260467	1144744
165 Rrp0675	109792	110725.7	117829	838429.9	836346.2	807388.2
166 Rrp0238	123227.3	28434.9	86360.56	57916.2	4530982	63900.8
167 Rrp0390	1790116	1687904	1714980	1151818	1027417	1071517
168 Rrp0070	2411027	2567149	2420068	1789752	1829116	1831895
169 Rrp0617	190379.6	204009.4	190224.8	729356.4	872716.6	894942.8
170 Rrp0453	1583106	1692707	1724421	2185941	2283934	2421752
171 Rrp0626	2550483	2609760	2551777	1765063	2055119	2001946
172 Rrp0682	1382295	1510643	1390312	746776.6	812425.4	934341.8
173 Rrp0032	2262452	2263738	2212769	2713171	2851233	2878850
174 Rrp0402	1805051	1825680	2461632	2522434	2551327	3208686
175 Rrp0523	116066.3	121507.2	131337.3	359303.1	32740.45	3511841
176 Rrp0420	6700228	8667054	8244926	10279425	7439819	9285663
177 Rrp0358	2226040	1986930	3317335	1566448	1848107	1778614
178 Rrp0410	1971554	1899383	1803021	1223594	1212489	1515057
179 Rrp0327	742684.6	742429.8	657413	153195	143375.2	239896.9
180 Rrp0303	1251545	1314030	1199378	686906	742672.2	761951.4
181 Rrp0477	3842678	3104809	3844720	2459852	2558411	3509005
182 Rrp0404	2005413	2259019	1928719	2504055	2769390	2578718
183 Rrp0205	1058698	886024.9	894119.8	1352600	1516371	1551632
184 Rrp0585	528237	500615.1	572908.8	949606.4	1111937	1043478
185 Rrp0317	16499052	16787951	17125744	15367345	16466512	16410811
186 Rrp0191	4956077	5439656	4999788	5748839	5427767	5975870
187 Rrp0120	406354.9	58860.27	58150.45	490440.3	804076.1	849720.4
188 Rrp0065	2275012	2245244	2374818	2479797	3067419	3010810
189 Rrp0630	260210.2	338047.4	318517.4	320449.1	3052001	415107
190 Rrp0463	768342.5	665010.1	655065.6	201488.1	280130.3	239096.7
191 Rrp0028	2185889	2279710	2150500	2534821	2851699	2672093
192 Rrp0759	48880.83	40598.77	31486.18	440885.7	518676.9	485551.3
193 Rrp0063	2266521	2335810	2380829	2496712	3117605	2940904
194 Rrp0482	839161.2	665337.4	751905.9	344364.6	333233.8	300713.6
195 Rrp0659	333641.3	345100.3	368403.5	609682.3	888525	863128
196 Rrp0657	137796.8	192405.4	121718.6	555404.6	594827.9	494417.8
197 Rrp0367	104332	175125	129191	511353.6	517576.6	546269.4
198 Rrp0100	915113.4	933933.4	978394.6	522332.8	552913.7	587677.4
199 Rrp0572	644704.9	739937.7	798433.8	1082867	1132408	1128648
200 Rrp0436	357576.6	424774	473953.6	722226.8	818261	859345.4
201 Rrp0169	694960.8	752965	747528.9	419184.6	343667.9	317276.1
202 Rrp0747	556200.5	647988.2	550839.6	225839.2	209635.8	221909.1
203 Rrp0078	209353.4	530788.8	224865.6	913106.1	516893.9	856268.2
204 Rrp0112	23370642	16965839	19865001	16807317	23903100	23938772
205 Rrp0363	614705	597562.3	685166.1	330632.2	267672.6	208864.4
206 Rrp0060	2302983	2283422	2277415	2489158	2919105	2679760
207 Rrp0743	663226.7	773033.7	756590.6	429063.1	423554.5	256754.1
208 Rrp0019	349748.7	280642.6	344138.5	606513.4	720175.5	667387
209 Rrp0256	564270.6	500117.6	587790	216083.9	221176.8	237632.8
210 Rrp0760	79233.97	76473.09	79420.74	374264.2	418542.2	402767
211 Rrp0213	210919.1	335636.7	479518.5	657615.3	717652.2	693971.7

212 Rrp0192	5497923	5978960	6359461	5553773	5329014	5558349
213 Rrp0577	824014.2	781351.6	880895.9	1217814	1107505	1130432
214 Rrp0351	182916.6	205250.8	307132.8	1288374	635282.6	251861.9
215 Rrp0159	2670019	2785643	2628026	2941724	3172151	2980435
216 Rrp0212	602522.3	779703.9	810439.3	1107124	996757.5	1030929
217 Rrp0709	217661.5	206463.7	197784.6	447905.6	470604.3	570376.9
218 Rrp0566	792836.6	640261.6	773240.4	491242	449785.2	403125.9
219 Rrp0280	213433.5	199275.3	225461.8	413249.9	516776.2	490370.7
220 Rrp0150	222708	162456.9	259698.9	470459.4	435055.6	527088
221 Rrp0088	1373079	2001249	1773791	1797379	2428678	2128263
222 Rrp0724	30806.4	30303.68	37947.01	285686.7	255574.7	305131.6
223 Rrp0371	83965.16	5320.665	64704.78	297139.9	318276.3	271252.9
224 Rrp0097	739160.7	987930.2	867032.3	1070403	1114296	1182507
225 Rrp0476	273172.8	229107.6	259073.9	383203	593567.5	519227.3
226 Rrp0052	521876.4	549476.4	576410.3	801368.7	757271.9	753190.3
227 Rrp0339	36868357	37277393	38108463	39465530	34228292	41558408
228 Rrp0281	626072.3	575440.7	821518.8	874117.3	952230.3	960443.3
229 Rrp0667	91340.93	169711.4	101884.7	312746.3	417585.9	311289.2
230 Rrp0274	1431358	1397527	703675.8	1468216	182725.1	485728.9
231 Rrp0035	587269.6	616011	619660.4	413278.5	397479.8	375321.8
232 Rrp0558	131752.5	142092.2	137383.6	320309.6	353896.6	352672.6
233 Rrp0647	932880.2	938894.1	983218	738224.7	737653.3	767870.8
234 Rrp0607	804016.9	744396	857815.8	901895.5	1073536	1131836
235 Rrp0225	300646.7	424526.3	311966.3	117541.9	165118.9	130525.4
236 Rrp0452	761493.3	848869.9	893665.2	977102.8	1119623	1056902
237 Rrp0062	1765202	1736362	1810315	1758081	2212413	2166351
238 Rrp0218	142276	148744.2	155316.8	285493.5	360029	392396.2
239 Rrp0271	687777.1	690581.5	688853	493934.3	431566.5	552093.9
240 Rrp0723	38652.64	34045.07	35791.76	230788.4	307485.3	168043.1
241 Rrp0183	377766.7	491016.7	403097.5	678835.4	567469.6	627066.6
242 Rrp0193	208404.4	267374.3	163494.7	22895.37	10935.34	54258.69
243 Rrp0714	3686798	4511962	4403172	4277452	4546825	4810241
244 Rrp0638	1192792	1188179	1178932	1244058	1452076	1498761
245 Rrp0135	80427.04	88637.61	131366.2	276212.9	254974.7	289138.7
246 Rrp0642	614347.7	534240.1	696978.7	411412.6	445372.9	423972.9
247 Rrp0392	15829864	16801875	16840000	18080323	16591123	16220556
248 Rrp0519	908118.1	900891.3	884813.3	1053884	1175552	1008656
249 Rrp0289	203407.4	448058.7	646957.7	187732.6	210783.7	197750.3
250 Rrp0725	117214.7	158825.1	165719.5	324252.3	338754.5	273776.8
251 Rrp0419	5986765	7315975	4323241	4397215	6788485	4579964
252 Rrp0036	1621699	1757487	1751007	1737485	2105169	1943146
253 Rrp0093	1688881	1703486	1879764	1374596	1549291	1706648
254 Rrp0042	722026.3	635144.8	627176.5	908061.5	846238.3	739023
255 Rrp0433	204619.3	216782.6	231853.4	70171.93	87337.77	75793.78
256 Rrp0201	302107.1	308007	293635	123544.8	167651.2	187394
257 Rrp0172	174336.9	179965.4	160316.9	311346.8	329478.9	289044
258 Rrp0610	6200403	6996451	7641342	7573640	7197007	7126245
259 Rrp0615	331790.4	375541.4	366621.9	479531.9	511188.6	482257.8
260 Rrp0764	879455.2	892444.5	344775.2	756814.7	1019280	1077065
261 Rrp0500	166194.4	149158	149357.1	276566.2	281960.8	284940.6
262 Rrp0017	172259.6	180897.9	178189.4	59882.11	53006.09	43818.99
263 Rrp0666	142711.8	178812.3	157409.7	29874.7	25348.3	44099.8
264 Rrp0589	1563858	1664751	1674510	1353490	1539509	1526729

265 Rrp0430	37237.6	29402.88	28933.39	143217.5	134269.3	192956.8
266 Rrp0008	17110453	15790625	17461761	17117981	17224934	17091811
267 Rrp0113	419020.7	448646	399636.9	235676.9	282791.9	355470.2
268 Rrp0391	386669.9	373473.4	355168.8	252850.9	269832.1	247498
269 Rrp0076	219103.6	176062.4	185045.7	283914.9	332935.7	317429.3
270 Rrp0408	224166.4	155600.3	165405.8	169059.9	436713.8	433607.2
271 Rrp0147	672739.2	653500.7	704187.7	475968	585287.7	583139.8
272 Rrp0073	204556.1	67369.54	77884.64	71050.79	1038816	73007.54
273 Rrp0470	185672	114940.7	250751.9	59892.09	54879.77	53108.87
274 Rrp0504	1145163	792612.5	759444.2	813708	482168	785767.3
275 Rrp0334	286099.8	220140.2	312485.1	153593.6	150011.6	157531.9
276 Rrp0570	103999.1	141511.3	121741	14454.14	14348.89	15104.21
277 Rrp0270	637762.1	669676	643594.7	559790	515773.9	545786.1
278 Rrp0279	81566.54	76051.91	75755.59	265058.9	191450.5	134503.1
279 Rrp0158	3401285	3321799	3215781	3114055	3241598	3168470
280 Rrp0454	1214820	1208139	1144099	1249733	1489891	1267839
281 Rrp0079	76024.32	80918.82	78304.9	166163.4	222467.6	162089.3
282 Rrp0263	166701.1	201769.7	179848.4	74302.44	76138.84	99358.79
283 Rrp0053	624870.7	633451.9	688653.1	524310.8	566576.8	540875.6
284 Rrp0219	311975.7	284752.2	373390.6	140476.1	262966	215714.4
285 Rrp0376	2396251	301843.8	95087.03	135463.8	644366.7	860655.1
286 Rrp0117	629734.7	531366.4	67832.09	517016.1	673142.1	607573.8
287 Rrp0748	202682.2	206418.5	163209.8	75754.6	56562.67	136709.5
288 Rrp0775	48979.69	51517.17	471244	20940.43	8212.189	36331.7
289 Rrp0503	230176.8	240287.6	207843.7	132637.5	150654.6	126187.8
290 Rrp0364	318289.9	294683.4	251074.7	196584.2	180860.7	203466.9
291 Rrp0769	70608.89	62697.19	79876.79	175530.1	136801.1	158742.6
292 Rrp0118	18013.97	19943.83	19776.1	44932.15	46039.4	444249
293 Rrp0588	1599746	1610258	1711843	1288260	1549005	1643737
294 Rrp0427	125249.3	78239.15	94437.05	182547.9	170762.4	204964.3
295 Rrp0330	295282.7	293128	301983.2	211100.2	200453.4	235945.5
296 Rrp0632	32167.89	332240.3	336757.3	382639.9	380909.2	351284.6
297 Rrp0405	474532	374327.6	376660.3	443861.3	559017.8	533267.4
298 Rrp0449	163457.4	187393.4	191729.7	256111.1	270541.6	251316.6
299 Rrp0043	22731.82	227008.7	28548.65	242982.9	193577.1	190281.6
300 Rrp0758	35697.27	24864.27	28778.33	90506.17	112599.3	115025.9
301 Rrp0622	19130.45	13627.89	17853.02	80425.84	93314.87	99476.76
302 Rrp0075	1750934	1533024	1931152	1724864	1480730	1562825
303 Rrp0084	115047.3	113088.4	121810.2	42052.5	47937.73	48203.85
304 Rrp0707	147857.6	105270.7	111420.6	52225.22	47983.77	41960.23
305 Rrp0612	756093.7	718957.7	671336.3	636531.8	627784.7	641608.3
306 Rrp0121	1775519	1666455	1825973	1483321	1762712	1660271
307 Rrp0729	12883.58	19105.49	18948.73	81494.69	80638	83735.5
308 Rrp0128	245359.8	242091.2	222475.6	188205.7	166716.4	146420.9
309 Rrp0332	918507.8	963196.2	1122273	833363.1	886006.7	964825.2
310 Rrp0718	81968.05	93333.89	88647.77	18214.27	30202.64	23246.16
311 Rrp0314	256778.8	215860.1	20709.14	126341.8	17130.48	11869.02
312 Rrp0603	74541.02	78710.17	71873.98	13125.89	10581.17	11865.16
313 Rrp0242	42801.88	62827.28	70517.4	120279.8	133890.7	112863.8
314 Rrp0187	152820.7	154568.1	128667	216638.3	182769.9	242495
315 Rrp0302	461018.6	373980.5	387136.2	544314.9	497984.3	428841.8
316 Rrp0357	2664405	72531.69	221544	129181.3	1454441	402111.7
317 Rrp0315	118594.9	109879	96879.23	55828.63	63829.79	32337.65

318 Rrp0005	105713.8	95009.23	121897.8	153506.1	170553.1	165215.1
319 Rrp0133	819136.8	828717.1	797910.6	734383	694871.2	804578.3
320 Rrp0416	8276.087	5385.158	22669.47	15600.76	138669.1	95739.98
321 Rrp0774	63277.08	67338.62	66940.06	14330.95	16982	17629.69
322 Rrp0762	100697.2	118971	98688.08	59089.96	53035.04	53038.4
323 Rrp0086	226087.4	254630.5	211236.6	267797.1	295753.3	297202.1
324 Rrp0749	85473.04	95142.94	115090.7	40858.43	43986.82	54322.63
325 Rrp0543	92748.68	83032.27	102981.3	54062.08	41467.51	30422.71
326 Rrp0697	6821761	6962099	7296178	6189337	7046788	7285585
327 Rrp0067	127323.1	116171.9	136563.9	79867.38	77765.41	79497.4
328 Rrp0550	56105.22	47705.39	46623.71	89109.18	108381	96223.28
329 Rrp0252	10871.56	10680.18	11298.29	53576.68	63067.82	53804.17
330 Rrp0756	86291.52	75102.72	99447	5182.036	51571.07	45033.75
331 Rrp0552	33235.81	39462.65	35836.7	83917.72	71808.69	93278.79
332 Rrp0631	73644.33	77351.47	92981.59	38184.39	30626.2	36812.61
333 Rrp0616	177937.4	164843.2	168971.4	105970.4	138800.3	122054.8
334 Rrp0586	596509.3	515771.2	688664.8	493036.2	548127.8	535797.5
335 Rrp0269	63143.74	71797.9	74507.26	112800.3	114496	113910.1
336 Rrp0136	130112.8	124046.9	131267.7	142017.8	194721.2	211470.9
337 Rrp0499	216063.7	266707	256385.3	154508.9	229584.8	180646.6
338 Rrp0604	85062.63	83289.26	81299.53	44953.12	42603.22	32149.81
339 Rrp0167	307815.2	247968.8	370713.6	300622.5	433579.9	418502
340 Rrp0338	98929.74	104460.8	101630.7	62960.62	55498.97	58464.77
341 Rrp0001	33498.67	2986.71	20531.15	66557.47	71786.68	56699.1
342 Rrp0049	383047	431466.5	406326.6	403772	505881.1	501001
343 Rrp0561	94769.86	86460.79	83172.38	42017.1	52187.66	45385.76
344 Rrp0012	866633.6	852709.7	904965.9	914290	905149.2	972313.1
345 Rrp0180	241478.8	205191.1	218908.2	253179.6	294007.1	262205.5
346 Rrp0411	55554.7	54835.32	52764.64	14824.38	15579	14947.58
347 Rrp0496	16095.04	16025.34	16553.5	55632	57200.33	53164.56
348 Rrp0614	493187.8	542334.3	522062.6	524423.2	618525.4	580830.1
349 Rrp0601	24353.63	25616.1	24905.69	63637.47	56129.16	61396.48
350 Rrp0611	807036.2	819108.5	878218.1	683543	864059.5	754071.1
351 Rrp0520	70391.7	77869.61	82473.12	104438.1	118219.4	114407.3
352 Rrp0377	146801.2	222264	18706.5	19956.24	166627.1	517283.1
353 Rrp0534	258616.3	251423.9	289279.3	198759.4	221231.6	249918.1
354 Rrp0023	168479.4	241906.8	257390.4	246505.1	318802.6	262750.7
355 Rrp0004	154498.3	159162	130383.5	110868.4	118654.9	103933.7
356 Rrp0608	141910.9	249632.8	104594.9	222151.1	202299.4	243224.6
357 Rrp0458	37487.73	44952.97	39330.54	69725.71	77282.17	69728.25
358 Rrp0082	280394.3	352009.7	340472.9	317703.1	241104.4	264611.5
359 Rrp0329	158527.4	105186.4	139491.7	107255.3	98481.89	74852.32
360 Rrp0379	48135.3	85910.72	108380	95848.87	119725.3	168380.2
361 Rrp0633	237317	249117.3	260230.2	218622.5	284618.6	26822.82
362 Rrp0276	184761.2	176586.8	174656.7	164232.2	133876.7	134169.5
363 Rrp0039	59683.44	40778.87	70036.07	29233.09	22102.38	23067.53
364 Rrp0140	795492	1217944	727211.3	434156.8	550210.2	1347046
365 Rrp0350	150175.2	68352.04	140696.9	114491.2	52690	53273.85
366 Rrp0040	669013	705026.5	605274.3	777721.4	697636.4	660168.2
367 Rrp0621	161435.1	126846.5	160960.2	101991.2	100417.6	139898.7
368 Rrp0374	60202.28	95825.04	45914.26	51433.35	141684.4	145958.4
369 Rrp0064	257529.3	238370.4	226862	231035.1	324185.6	295673.2
370 Rrp0069	630779.6	57571.42	79058.65	341845.6	415299.5	305124

371 Rrp0194	10808.99	294439.1	294863.8	154239.3	24192.27	197219.3
372 Rrp0649	1661680	1674091	1745702	1133255	2141414	2197261
373 Rrp0022	58036.46	49338.31	43891.97	20775.49	12745.68	35859.32
374 Rrp0393	34950.28	32969	36369.97	14570.04	11221.76	10650.14
375 Rrp0576	47768.05	49223.69	44187.67	25641.2	24295	23934.77
376 Rrp0545	15679053	13925688	14164725	12041329	14588059	16396884
377 Rrp0424	33728.28	18902.5	23863.03	47982.41	26815.35	113902.8
378 Rrp0531	4139462	4221889	4282451	4406101	3567468	4352927
379 Rrp0089	15093.39	12152.79	13913.75	32313.16	35149.73	34629.96
380 Rrp0677	49464.2	49942.99	44649.93	22440.51	33349.64	24590.14
381 Rrp0257	404102.8	585555.1	362824.6	450910.5	382440.3	349735.7
382 Rrp0037	70524.36	136775.2	126915.8	131852.7	156804.2	143346.7
383 Rrp0727	68214.07	66779.51	78493.4	52317.09	51200.83	48018.95
384 Rrp0562	34959.99	5940.244	41167.25	52764.28	52247.83	53703.35
385 Rrp0072	5929213	5801761	5307038	4763262	5587003	6274131
386 Rrp0146	82004.11	98991.9	112401	36431.06	414302.8	51943.37
387 Rrp0342	26677.94	6071.834	9303.849	47254.51	23143.26	45053.16
388 Rrp0733	29245.65	22368.69	24355.59	45094.28	45835.88	41844.89
389 Rrp0486	25329.83	25665.24	39215.63	11763.11	13316.66	3225.987
390 Rrp0394	14608.93	17739.83	14199.41	30045.09	35358.25	36863.78
391 Rrp0369	222847.1	195404.6	236113.5	221888.1	253618.7	264409.9
392 Rrp0312	626260.8	494036.8	529610.3	907495.3	985943.2	60629.25
393 Rrp0571	38108.75	44794.06	43134.07	54618.85	61954.95	63256.73
394 Rrp0388	258078.8	295280.3	244456.1	283853.6	323090	277663.6
395 Rrp0450	41199.2	43252.17	43104.42	55774.93	61157.05	60429.53
396 Rrp0403	73688.84	63075.36	63766.04	52047.71	42810.3	52189.38
397 Rrp0083	78137.9	78850.53	78933.7	18291.2	15273.41	105299.5
398 Rrp0398	34562.6	3052.378	34031.59	45983.68	45480.66	44889.16
399 Rrp0739	21087.4	12174.67	10147.83	23589.69	53862.77	28995.81
400 Rrp0502	83740.35	97848.21	209038.1	74373.32	62420.21	140456.2
401 Rrp0587	22226.11	10573.29	23851.6	38258.02	34883.33	32980.67
402 Rrp0575	51550.05	59931.95	72522.14	72235.4	84016.45	82798.68
403 Rrp0250	539183.1	514100.4	529954.1	454980.2	562488.8	465499.2
404 Rrp0208	466408.8	360020.8	358128.3	353820.3	436679.5	271221.6
405 Rrp0365	61381.64	55492.95	76596.02	42678.19	50545.78	49991.11
406 Rrp0767	19568.11	18015	19662.74	29281.03	32283.28	32478.68
407 Rrp0462	18181.29	19103.97	19836.23	25945.54	38860.41	33308.5
408 Rrp0248	239239.1	248577.5	259729.4	242733.6	253312.1	334775.5
409 Rrp0457	37307.4	35745.37	40629.61	50146.2	47244.43	54062.6
410 Rrp0375	31135.28	53207.72	88921.57	22519.72	46752.68	38115.69
411 Rrp0434	26604.43	39419.04	23808.83	42454.17	47314.26	41315.23
412 Rrp0007	14669.24	19031.02	14751.71	22944.37	33468.82	29510.2
413 Rrp0048	53134.49	67276.25	74642.34	76138.54	84621.85	78285.42
414 Rrp0426	933801.6	914431.6	934977.6	845933.9	1020405	1025511
415 Rrp0206	88501.54	107363	103670	85031.63	91990.34	79554.25
416 Rrp0054	13884.24	17894.14	13004.99	28704.29	24650.47	24354.79
417 Rrp0286	40982.23	42364.25	38088.46	3600.561	30044.38	38284.29
418 Rrp0442	35601.83	38681.1	35798.28	48096.66	44595.69	49162.18
419 Rrp0056	28712.54	30808.52	27069.91	17335.66	18798.47	19725.82
420 Rrp0425	14552.49	11749.82	17557.93	27313.37	21106.23	28133.32
421 Rrp0268	66437.07	27110.63	93499.25	60310.14	42566.35	20031.16
422 Rrp0179	57837.31	24689.42	60329.11	28672.07	115526.7	68782.96
423 Rrp0174	295462.7	242354.5	340760.5	176902.1	325495.4	283897.4

424 Rrp0296	47321.24	81273.42	82381.57	63084.21	48766.96	51950.65
425 Rrp0108	660577.4	649420.8	615608	637715.7	682607.2	660868.3
426 Rrp0539	25727.07	12543.82	60275.9	14616.34	17519.67	17847.02
427 Rrp0395	11436.79	13958.93	6657.285	14930.08	16996.43	36317.64
428 Rrp0301	77959.59	71878.17	87095.76	68149.36	59839.48	75794.31
429 Rrp0341	5433.837	57151.61	32234.28	7596.003	78442.77	69373.99
430 Rrp0211	404254.2	274908.7	218578.8	272900.8	258424.5	280393.3
431 Rrp0360	25196.43	49579.78	65831.13	38164.78	34768.6	25528.57
432 Rrp0766	124491.1	14960.28	100935.1	52678.43	64212.22	58853.45
433 Rrp0138	27837.66	25965.67	20978.86	17956.13	15293.37	18304.17
434 Rrp0336	115619.9	163859.9	126845.2	100358.1	144948.1	109694.6
435 Rrp0700	52303.54	25585.31	39500.77	12200.89	21417.64	43883.7
436 Rrp0776	11456.84	13087.66	11531.35	18501.49	16704.16	21089.85
437 Rrp0009	10468.06	27893.7	102981.3	31745.56	26153.07	26235.79
438 Rrp0689	72516.2	69366.11	76167.28	75307.19	77813.86	94455.01
439 Rrp0728	154887.4	185539.6	194130.6	169363.3	149645.1	174513.5
440 Rrp0196	333844.3	277075.8	304328.4	329010.2	361022.9	281280.8
441 Rrp0397	14571.8	12199.14	6657.648	21574.52	14910.32	19432.57
442 Rrp0554	33156262	35272367	41845987	33065477	39517667	37161752
443 Rrp0046	1947215	1495232	1732614	1433699	1617576	1979936
444 Rrp0557	32689.83	20552.07	32671.73	35738	36374.08	37355.06
445 Rrp0291	6855.448	30075.87	18181.65	2991.734	16963.23	5172.694
446 Rrp0209	91468.05	62618.66	48502.42	43806.19	72052.11	46726.33
447 Rrp0287	25105.41	29182.36	32303.99	32906.27	39496.12	33319.65
448 Rrp0145	103896.7	134759.1	116067.2	149010.8	142012.5	102056.3
449 Rrp0473	21861.89	23331.75	21736.74	29763.95	22499.34	33875.24
450 Rrp0144	21987.82	29712.21	20859.84	30788.77	30088.85	29393.58
451 Rrp0389	26795.99	27740.59	25606.78	47344.79	17282.27	44194.92
452 Rrp0599	49451.1	38971.56	36841.57	31938.68	35840.52	37440.39
453 Rrp0506	27788.24	9975.827	19277.67	6772.577	14348.61	13872.76
454 Rrp0487	22678.67	15349.47	22278.58	29015.79	24230.42	23836.56
455 Rrp0024	86682.63	77226.77	84219.88	68860.29	80389.53	79335.19
456 Rrp0605	19622.51	20260.68	20695.29	18819.72	15146.16	13008.97
457 Rrp0387	143374.7	110807	97798.66	101785.9	119511.8	100129.8
458 Rrp0080	19498.25	16132.14	110055.6	38050.89	39401.71	26691.46
459 Rrp0189	410160.3	594502.3	496748.8	420588.5	452634	566210.6
460 Rrp0494	22851.28	29519.05	17235.43	23602.27	26864.83	37131.8
461 Rrp0178	83986.39	79370.96	98716.5	96750.51	73225.94	67802.48
462 Rrp0292	15488.48	19025.92	4702.081	16219.3	35375.59	9815.269
463 Rrp0260	11621.31	17530.1	11035.57	19661.91	11646.65	25405.08
464 Rrp0726	51676.46	53634.43	49262.13	52730.11	59917.29	54476.23
465 Rrp0553	18131.39	17647.11	1538.641	6244.172	9544.192	4594.478
466 Rrp0156	8463.656	7036.633	6349	8616.166	9168.302	15727.9
467 Rrp0468	37820.77	45473.48	24661.34	13741.72	18798.76	50680.62
468 Rrp0372	13229.26	12185.14	10287.27	18672.67	10171.16	18314.94
469 Rrp0541	380139.9	574637.6	646833.4	425793.8	611944.4	503953.1
470 Rrp0081	13057.71	11408.61	10775.82	15281.15	17651.53	11799.03
471 Rrp0407	561415.4	477243.9	464443.8	510715	539547.7	486938.3
472 Rrp0295	5371.887	24973.59	10015.57	13274.79	6530.052	5252.686
473 Rrp0325	20794.03	21610.84	18851.21	30838.43	14139.37	30211.39
474 Rrp0057	35526.85	35754.71	22931.28	32071.84	33598.05	41525.99
475 Rrp0524	35394.84	18635.5	60307.31	40812.78	34510.25	59645.64
476 Rrp0501	22577.61	43310.33	27602.54	35767.74	13445.48	29847.4

477 Rrp0221	737451	756374.6	565187.2	472907.2	758952.9	777508.3
478 Rrp0573	89091.53	105334.1	85341.11	73854.12	98281.04	94213.66
479 Rrp0104	164016.3	25192.72	9383.649	63961.38	10581.24	157456.4
480 Rrp0224	7792.146	3316.842	9841.941	4782.629	14128.76	9832.44
481 Rrp0401	11212.82	10292.55	10121.87	10222.84	13767.83	12253.94
482 Rrp0693	51635.85	63036.12	70953.89	87126.86	53653.9	58889.04
483 Rrp0215	43497.46	1767.518	43488.44	18417.6	58743.91	28928.26
484 Rrp0382	16277.81	16778.59	16752.75	15145.51	16450.24	15008.49
485 Rrp0214	372738.5	315655.6	140054.7	177167.4	468244.4	139833.6
486 Rrp0435	4643.013	13002.2	4287.469	3301.679	9206.241	17642.58
487 Rrp0335	16325.33	13826.53	14725.93	16785.6	16879.42	14945.43
488 Rrp0362	13110.75	13374.5	15554.3	13863.88	1902.096	18461.22
489 Rrp0284	129109.4	102285.2	118900.7	106596.8	138414.5	91996.16
490 Rrp0409	333581.9	237102.2	308638.7	297560.1	236759.3	325057.5
491 Rrp0560	3816.55	9244.3	4890.32	2138.58	16874.51	6149.194
492 Rrp0613	328214.8	325141.8	335190.4	286168.4	324906.8	363582
493 Rrp0597	26189	27163.95	19775.81	31928.21	26968.56	19381.95
494 Rrp0343	8881.972	8044.424	3836.275	12975.2	3586.317	8049.443
495 Rrp0157	103979.9	94108.27	132632.4	83701.1	140064.2	116461.1
496 Rrp0101	106313	89472.66	93500.94	129630.9	82876.24	68170.79
497 Rrp0385	6228.04	6722.196	4717.354	1264.18	7429.984	6137.951
498 Rrp0763	58548.38	44395.02	65384.09	50235.13	66212.94	46244.43
499 Rrp0013	136470.8	125084.8	122176.5	129458.1	127464.9	122600.3
500 Rrp0537	156415.7	178056	169114.2	168018.8	138678.9	205465.2
501 Rrp0704	29809.61	22483.07	33526.31	27993.89	20490.03	33339.05
502 Rrp0285	31192.14	4676.831	4255.215	10900.74	14021.27	10308.28
503 Rrp0353	3445.911	3506.439	1162.903	2855.714	2164.508	1723.789
504 Rrp0016	1497264	1522990	1590125	1491102	1613209	1499640
505 Rrp0006	670203.2	740609.4	637538	694773.5	708646.9	643133.1

control_me:case_meanlog2FoldCh	P.Value	padj	vip	regulate	
46957935	1.72E+09	5.196645	1.31E-08	2.20E-06	7.323045 Up
22066793	1.29E+09	5.86393	4.88E-09	1.23E-06	6.359171 Up
3.01E+08	1.34E+09	2.150867	2.06E-07	1.30E-05	5.75406 Up
2.86E+08	1.29E+09	2.170765	2.45E-08	3.10E-06	5.66655 Up
2.8E+08	1.27E+09	2.181912	6.66E-08	6.73E-06	5.630629 Up
2.96E+08	1.27E+09	2.106449	1.52E-07	1.10E-05	5.592346 Up
5283427	8.75E+08	7.371547	7.73E-06	0.00018	5.271067 Up
4.91E+08	1.33E+09	1.43594	2.46E-06	0.000103	5.172326 Up
4.87E+08	1.25E+09	1.360056	1.53E-05	0.000214	4.934606 Up
6.22E+08	1.37E+09	1.136366	4.82E-05	0.000443	4.871792 Up
6.25E+08	1.07E+09	0.771249	8.44E-05	0.000655	3.747945 Normal
9.59E+08	1.38E+09	0.528071	5.08E-05	0.00045	3.673775 Normal
6.27E+08	1.04E+09	0.734244	8.87E-05	0.000661	3.635297 Normal
40857439	3.75E+08	3.198266	1.21E-05	0.000186	3.266333 Up
42170112	3.76E+08	3.158105	2.01E-05	0.000247	3.265741 Up
311731.1	3.08E+08	9.948859	8.89E-06	0.00018	3.135262 Up
8E+08	5.37E+08	-0.57612	1.21E-05	0.000186	2.901404 Normal
6.64E+08	9.02E+08	0.441891	0.001343	0.004277	2.718449 Normal
1.21E+09	9.93E+08	-0.28754	8.90E-06	0.00018	2.645684 Normal
7500114	2.02E+08	4.752586	1.12E-07	9.42E-06	2.496242 Up
3.11E+08	1.38E+08	-1.16768	1.75E-05	0.000233	2.345645 Down
1.61E+08	3.25E+08	1.017926	0.000374	0.00167	2.278159 Up
1.8E+08	3.23E+08	0.842858	1.81E-05	0.000234	2.136738 Normal
7989159	1.41E+08	4.143092	1.08E-05	0.000186	2.062176 Up
1.12E+08	10023015	-3.47703	1.25E-05	0.000186	1.801025 Down
6.55E+08	7.42E+08	0.180355	0.000546	0.002122	1.654079 Normal
2.39E+08	1.54E+08	-0.6359	2.98E-05	0.000334	1.64988 Normal
1.74E+08	1.09E+08	-0.66944	0.005956	0.01399	1.389695 Normal
2.13E+08	2.79E+08	0.390249	0.022064	0.042641	1.362872 Normal
54501078	1.12E+08	1.033616	0.000153	0.000919	1.344694 Up
6146194	61303794	3.318211	2.45E-05	0.000295	1.326184 Up
1.32E+08	77394155	-0.77118	0.000145	0.000889	1.315998 Normal
1.23E+08	69299677	-0.82738	0.000373	0.00167	1.301076 Normal
1775160	53314507	4.908508	0.000166	0.000964	1.277949 Up
8442679	55371035	2.713359	4.48E-05	0.000419	1.22247 Up
1.39E+08	91447821	-0.60296	0.001636	0.00489	1.211876 Normal
55461476	1.02E+08	0.884908	0.000952	0.003293	1.21028 Normal
2.04E+08	1.61E+08	-0.34413	0.000116	0.000789	1.173346 Normal
12568497	54929823	2.127778	0.000411	0.00179	1.154955 Up
47268468	5115290	-3.20799	0.00026	0.001237	1.154925 Down
38646203	79804674	1.046147	0.0002	0.001084	1.141117 Up
127409.3	40041629	8.295887	3.59E-09	1.23E-06	1.13043 Up
50005872	85219564	0.769087	0.001464	0.004509	1.044075 Normal
44268640	12879915	-1.78116	3.50E-06	0.000126	1.001538 Down
59634401	27530964	-1.11509	0.001129	0.003801	1.000091 Down
54035272	24336964	-1.15075	0.000447	0.001848	0.967406 Down
39408296	11395427	-1.79004	1.26E-05	0.000186	0.945651 Down
37830350	10261767	-1.88226	4.12E-05	0.00041	0.937148 Down
50613798	23162096	-1.12776	0.000107	0.00075	0.934092 Down
1.17E+08	85945904	-0.44809	0.027654	0.050969	0.929372 Normal
1.01E+09	9.74E+08	-0.04695	0.050801	0.08726	0.915935 Normal
8.77E+08	8.47E+08	-0.05047	0.071375	0.117027	0.86381 Normal

44243842	21236178	-1.05895	0.001475	0.004515	0.844765	Down
18520828	40958261	1.145006	9.55E-05	0.000682	0.844095	Up
12311856	34004719	1.465687	2.98E-05	0.000334	0.831464	Up
10006631	32151453	1.683928	0.00118	0.003946	0.829999	Up
47402522	25605472	-0.88851	0.012752	0.026285	0.796083	Normal
7108957	33900316	2.253589	0.137541	0.202502	0.7639	Normal
25826834	8350364	-1.62896	0.000723	0.002664	0.739995	Down
30264698	47314713	0.644653	0.002467	0.006662	0.723949	Normal
1.05E+08	87664521	-0.26245	0.010034	0.02138	0.716811	Normal
49219.12	16027523	8.347117	4.33E-05	0.000419	0.713372	Up
10228670	26341750	1.364733	0.008597	0.018677	0.690457	Up
8.45E+08	8.26E+08	-0.03307	0.114705	0.176067	0.659272	Normal
24897067	11613013	-1.10023	0.000239	0.001205	0.648261	Down
308659.2	13273025	5.426339	0.000117	0.000789	0.641424	Up
16142317	5553322	-1.53942	5.04E-05	0.00045	0.580664	Down
12254634	2642879	-2.21315	4.14E-05	0.00041	0.553316	Down
9.74E+08	9.59E+08	-0.02263	0.23914	0.314494	0.527409	Normal
88819272	98884266	0.154868	0.030214	0.054688	0.525086	Normal
14163100	5612123	-1.33552	8.47E-06	0.00018	0.522745	Down
1721972	10257994	2.574615	1.02E-05	0.000186	0.522032	Up
1815088	10229894	2.49468	3.90E-05	0.000402	0.517792	Up
2.02E+08	2.15E+08	0.086581	0.172366	0.240455	0.504895	Normal
7844505	14967156	0.932046	5.25E-05	0.000457	0.476275	Normal
7187371	14092595	0.971401	0.000234	0.001192	0.467313	Normal
12398499	5359944	-1.20988	0.001946	0.005449	0.465563	Down
2.06E+08	2.18E+08	0.086301	0.306615	0.382322	0.452422	Normal
11990553	18411478	0.618707	5.52E-05	0.000471	0.451923	Normal
13411101	6760330	-0.98826	0.003839	0.009645	0.448954	Normal
3609537	9779200	1.437903	8.90E-05	0.000661	0.442942	Up
1.29E+08	1.37E+08	0.09009	0.127849	0.192154	0.429327	Normal
3151581	9259325	1.554831	0.006401	0.01476	0.427342	Up
35414399	30184258	-0.23054	0.011517	0.024233	0.389816	Normal
9035934	4242644	-1.09071	0.000566	0.002167	0.387903	Down
27560722	22775496	-0.27513	0.007846	0.017377	0.37627	Normal
4802180	380081.7	-3.65931	1.35E-06	6.57E-05	0.376151	Down
92226850	86482290	-0.09278	0.084484	0.136309	0.372057	Normal
577884.7	4833312	3.064158	5.77E-06	0.000171	0.368738	Up
6794993	2692551	-1.3355	0.000735	0.002691	0.358223	Down
4026260	253960.4	-3.98676	1.50E-05	0.000214	0.346986	Down
1107698	6574901	2.569404	0.134473	0.199146	0.345773	Normal
25237014	21165821	-0.2538	0.009658	0.020666	0.345342	Normal
2083243	5353463	1.361641	0.000122	0.000807	0.322123	Up
3581264	6829795	0.931374	0.000218	0.001159	0.320351	Normal
4579491	1301779	-1.8147	0.004248	0.010567	0.315044	Down
14580908	11309720	-0.36652	0.007002	0.015903	0.31205	Normal
5253581	8324014	0.663978	0.000252	0.001223	0.31138	Normal
10414007	6999744	-0.57315	0.02453	0.04605	0.30811	Normal
999452.3	4110341	2.040049	0.00356	0.009033	0.307798	Up
3286093	445380.4	-2.88326	0.000179	0.001013	0.299743	Down
4626993	1846926	-1.32495	0.000186	0.001033	0.296511	Down
1490720	4147093	1.476091	0.000992	0.003385	0.287844	Up
2384256	5103010	1.097809	0.004399	0.010889	0.286898	Up
24795129	21107352	-0.23231	0.124654	0.190183	0.286831	Normal

4908303	2283306	-1.1041	0.00219	0.00601	0.284557	Down
21865600	18681653	-0.22704	0.06927	0.114694	0.281068	Normal
1706024	4114818	1.270191	0.000417	0.0018	0.275354	Up
2786507	5188040	0.896732	0.000311	0.001455	0.275143	Normal
13460801	16182436	0.265665	0.030515	0.05484	0.273245	Normal
1432971	3755244	1.389898	0.000792	0.002838	0.269614	Up
6109616	3837243	-0.67101	0.000226	0.001165	0.268147	Normal
4577153	2309340	-0.98697	0.0008	0.002844	0.266139	Normal
5014837	7409889	0.563249	0.01481	0.030157	0.262521	Normal
60182468	56662246	-0.08696	0.212569	0.28626	0.258649	Normal
1717579	3692510	1.104226	0.000123	0.000807	0.250347	Up
14244620	16514107	0.213282	0.028208	0.0518	0.249865	Normal
1272792	4480277	1.815591	0.200434	0.272094	0.249756	Normal
8498496	6546229	-0.37654	0.000158	0.000936	0.248659	Normal
726280.4	2724172	1.907219	0.003217	0.008332	0.247117	Up
3065924	1194349	-1.3601	0.000325	0.001503	0.242991	Down
2512738	693133.9	-1.85805	4.20E-06	0.000141	0.241136	Down
5262952	2753868	-0.93441	0.127203	0.191754	0.235517	Normal
21098298	23041547	0.127111	0.058544	0.098222	0.222685	Normal
3487017	5016752	0.52476	1.13E-05	0.000186	0.221068	Normal
162858.1	1693925	3.378682	0.000161	0.000943	0.220263	Up
3218535	1710595	-0.91191	8.17E-05	0.000644	0.218857	Normal
16701399	18693108	0.162538	0.08793	0.141416	0.218122	Normal
1648013	118848.1	-3.79354	0.002203	0.006014	0.217233	Down
2291651	751981.2	-1.60762	0.008617	0.018677	0.213725	Down
5779447	4349292	-0.41015	1.16E-05	0.000186	0.213654	Normal
1745630	3180174	0.865358	0.00025	0.001223	0.212896	Normal
56892.96	1470860	4.692266	0.001307	0.004205	0.209536	Up
19988.56	1349397	6.076997	0.000241	0.001205	0.205036	Up
4665713	6172454	0.403747	0.031413	0.055661	0.202826	Normal
92572459	89096976	-0.05521	0.478055	0.547433	0.201155	Normal
656556.4	1886541	1.522753	0.000436	0.001848	0.196822	Up
2024108	3204051	0.662611	0.000692	0.002587	0.192322	Normal
2520021	3794457	0.590458	0.017689	0.035308	0.190227	Normal
313926.8	1984379	2.660187	0.167156	0.235136	0.185878	Normal
1048930	2155956	1.039409	0.001803	0.005204	0.184959	Up
3064932	1871232	-0.71187	0.01802	0.035827	0.184564	Normal
509670.2	1571190	1.624221	3.07E-06	0.000119	0.184222	Up
19932606	18133823	-0.13645	0.23988	0.314648	0.181031	Normal
2469967	3602796	0.544626	0.013661	0.027931	0.181006	Normal
695900.2	1692515	1.282216	9.30E-06	0.000181	0.178411	Up
485470.2	1477907	1.606101	8.62E-06	0.00018	0.178056	Up
860741.1	2910690	1.75771	0.331308	0.406415	0.177811	Normal
2163480	1164796	-0.89328	0.001536	0.004672	0.176044	Normal
309077.6	1751023	2.502157	0.154153	0.22073	0.174907	Normal
665710	1585442	1.251919	3.04E-05	0.000334	0.171225	Up
17119576	15793001	-0.11636	0.141328	0.207472	0.169539	Normal
1174542	299591.1	-1.97103	3.68E-05	0.000387	0.16693	Down
473675.3	1342621	1.503082	0.000516	0.002054	0.165251	Up
1906602	1058908	-0.84843	0.00033	0.001503	0.163632	Normal
390528.1	1230270	1.655476	8.56E-05	0.000655	0.163265	Up
2474015	1516313	-0.70629	0.024993	0.046746	0.162858	Normal
2808075	1995111	-0.49311	0.002081	0.005775	0.158257	Normal

9904949	9015585	-0.13573	0.024097	0.045554	0.157376	Normal
2901544	2092564	-0.47155	0.00278	0.007311	0.157273	Normal
16754751	15580527	-0.10483	0.16469	0.232965	0.155697	Normal
33121718	34898923	0.075405	0.406635	0.478673	0.154447	Normal
1651186	483914.7	-1.77068	0.181611	0.250584	0.153442	Normal
518773.4	1258996	1.279098	0.000532	0.002085	0.152435	Up
112782.2	827388.1	2.875024	2.62E-07	1.47E-05	0.151225	Up
79340.94	1550933	4.288927	0.379319	0.452851	0.144834	Normal
1731000	1083584	-0.67579	0.000168	0.000967	0.143238	Normal
2466081	1816921	-0.44072	0.000244	0.001208	0.143153	Normal
194871.3	832338.6	2.094649	0.000256	0.001231	0.141951	Up
1666745	2297209	0.462849	0.001448	0.004486	0.139816	Normal
2570673	1940709	-0.40556	0.002311	0.006274	0.139107	Normal
1427750	831181.3	-0.78051	0.000977	0.003357	0.136349	Normal
2246320	2814418	0.325273	0.000459	0.001857	0.13373	Normal
2030788	2760816	0.443055	0.078677	0.128168	0.133019	Normal
122970.3	1301295	3.403566	0.348009	0.421449	0.132871	Normal
7870736	9001636	0.193689	0.33157	0.406415	0.132071	Normal
2510102	1731056	-0.53609	0.135914	0.200691	0.130989	Normal
1891319	1317047	-0.52209	0.006515	0.014956	0.130956	Normal
714175.8	178822.4	-1.99775	0.000214	0.001149	0.130085	Down
1254984	730509.9	-0.78069	0.000196	0.001079	0.128755	Normal
3597403	2842422	-0.33983	0.143294	0.208541	0.127869	Normal
2064384	2617388	0.342417	0.012209	0.025477	0.127075	Normal
946281	1473535	0.63894	0.003177	0.00827	0.126907	Normal
533920.3	1035007	0.954944	0.000627	0.002364	0.125337	Normal
16804249	16081556	-0.06342	0.145648	0.210751	0.124539	Normal
5131840	5717492	0.155906	0.057443	0.09702	0.12243	Normal
174455.2	714745.6	2.034573	0.028885	0.052851	0.12188	Normal
2298358	2852676	0.311712	0.044164	0.076379	0.12087	Normal
305591.7	1262519	2.046628	0.345434	0.419337	0.120491	Normal
696139.4	240238.4	-1.53491	0.000438	0.001848	0.119745	Down
2205367	2686204	0.284551	0.008451	0.018474	0.119417	Normal
40321.93	481704.6	3.578512	4.41E-05	0.000419	0.118578	Up
2327720	2851740	0.292925	0.049196	0.084792	0.116857	Normal
752134.8	326104	-1.20566	0.001197	0.00395	0.115175	Down
349048.4	787111.7	1.173142	0.008108	0.017841	0.113965	Up
150640.3	548216.7	1.863639	0.000391	0.001731	0.111976	Up
136216	525066.5	1.946604	7.63E-05	0.000613	0.11121	Up
942480.5	554308	-0.76577	0.000129	0.000822	0.110999	Normal
727692.2	1114641	0.615179	0.00124	0.00404	0.109639	Normal
418768.1	799944.4	0.933748	0.001953	0.005449	0.108416	Normal
731818.2	360042.9	-1.02332	0.00048	0.001925	0.108129	Down
585009.4	219128	-1.41669	0.00033	0.001503	0.107355	Down
321669.3	762089.4	1.244382	0.053085	0.090873	0.106677	Normal
20067161	21549730	0.102833	0.64799	0.69773	0.106417	Normal
632477.8	269056.4	-1.23311	0.001194	0.00395	0.106408	Down
2287940	2696008	0.236775	0.030659	0.054904	0.10569	Normal
730950.3	369790.6	-0.98306	0.005449	0.013167	0.104188	Normal
324843.2	664692	1.032942	0.001014	0.003438	0.102918	Up
550726.1	224964.5	-1.29164	0.00027	0.001276	0.101511	Down
78375.94	398524.5	2.346186	1.61E-05	0.00022	0.101085	Up
342024.8	689746.4	1.011965	0.011954	0.02505	0.100499	Up

5945448	5480379	-0.11751	0.148773	0.214046	0.099889	Normal
828753.9	1151917	0.475021	0.001874	0.005347	0.099784	Normal
231766.7	725172.8	1.645651	0.181006	0.250433	0.099556	Normal
2694563	3031437	0.169951	0.016904	0.034283	0.098263	Normal
730888.5	1044937	0.515693	0.012357	0.025621	0.095473	Normal
207303.3	496295.6	1.259457	0.001613	0.004848	0.094595	Up
735446.2	448051	-0.71496	0.006104	0.01427	0.092894	Normal
212723.5	473465.6	1.15428	0.00123	0.004032	0.090045	Up
214954.6	477534.3	1.151573	0.002537	0.006742	0.089663	Up
1716040	2118106	0.303692	0.195185	0.265684	0.089086	Normal
33019.03	282131	3.094996	6.97E-05	0.000577	0.088982	Up
51330.2	295556.4	2.525553	0.000863	0.003006	0.087313	Up
864707.8	1122402	0.376304	0.03088	0.055104	0.083977	Normal
253784.8	498665.9	0.974468	0.017686	0.035308	0.083532	Normal
549254.4	770610.3	0.488527	0.000553	0.00213	0.083328	Normal
37418071	38417410	0.038025	0.674606	0.720246	0.083302	Normal
674343.9	928930.3	0.462086	0.033345	0.058673	0.082875	Normal
120979	347207.1	1.52104	0.006204	0.014372	0.082393	Up
1177520	712223.5	-0.72535	0.36402	0.438735	0.082179	Normal
607647	395360	-0.62007	0.000146	0.000889	0.082042	Normal
137076.1	342292.9	1.320255	5.59E-05	0.000471	0.080823	Up
951664.1	747916.3	-0.34758	0.000407	0.001787	0.080153	Normal
802076.2	1035756	0.368873	0.037698	0.065874	0.079058	Normal
345713.1	137728.8	-1.32775	0.007759	0.017338	0.07845	Down
834676.1	1051209	0.332762	0.018719	0.036927	0.078362	Normal
1770626	2045615	0.208275	0.132698	0.197677	0.077723	Normal
148779	345972.9	1.217488	0.003469	0.008892	0.077514	Up
689070.5	492531.6	-0.48444	0.004846	0.011823	0.077045	Normal
36163.16	235438.9	2.70276	0.007819	0.017377	0.076936	Up
423960.3	624457.2	0.558674	0.013031	0.02675	0.076282	Normal
213091.1	29363.13	-2.85939	0.004952	0.012023	0.074332	Down
4200644	4544839	0.113619	0.316734	0.392999	0.073986	Normal
1186635	1398298	0.236796	0.054096	0.092292	0.073844	Normal
100143.6	273442.1	1.449165	0.000749	0.002722	0.073584	Up
615188.8	426919.5	-0.52707	0.017232	0.03474	0.073441	Normal
16490580	16964001	0.040834	0.511305	0.578944	0.071472	Normal
897940.9	1079364	0.265489	0.022632	0.04313	0.071343	Normal
432807.9	198755.5	-1.12273	0.142506	0.207993	0.071232	Normal
147253.1	312261.2	1.084456	0.002668	0.007055	0.071123	Up
5875327	5255221	-0.16092	0.62057	0.6798	0.070454	Normal
1710064	1928600	0.173503	0.130726	0.195315	0.069473	Normal
1757377	1543511	-0.18721	0.133484	0.198263	0.068615	Normal
661449.2	831107.6	0.329405	0.042967	0.074566	0.066985	Normal
217751.8	77767.83	-1.48544	0.000116	0.000789	0.066666	Down
301249.7	159530	-0.91713	0.001842	0.005285	0.066134	Normal
171539.7	309956.6	0.853523	0.00045	0.001848	0.066028	Normal
6946065	7298964	0.071496	0.466763	0.538162	0.064472	Normal
357984.6	490992.8	0.455804	0.001364	0.004277	0.064282	Normal
705558.3	951053.5	0.430761	0.298401	0.373927	0.063924	Normal
154903.1	281155.8	0.860004	3.34E-05	0.000358	0.063432	Normal
177115.6	52235.73	-1.76158	1.93E-05	0.000244	0.063116	Down
159644.6	33107.6	-2.26963	0.000444	0.001848	0.063077	Down
1634373	1473243	-0.14974	0.081696	0.132658	0.062448	Normal

31857.95	156814.5	2.299334	0.002481	0.006665	0.061932	Up
16787613	17144909	0.030383	0.522431	0.590218	0.060731	Normal
422434.5	291313	-0.53616	0.025279	0.047107	0.060273	Normal
371770.7	256727	-0.53418	0.000533	0.002085	0.060075	Normal
193403.9	311426.6	0.687275	0.003776	0.009535	0.059907	Normal
181724.1	346460.3	0.93094	0.14534	0.210751	0.059507	Normal
676809.2	548131.8	-0.30423	0.029935	0.054575	0.05939	Normal
116603.4	394291.6	1.757653	0.441364	0.515947	0.05928	Normal
183788.2	55960.24	-1.71557	0.031223	0.055519	0.059225	Normal
899073.3	693881.1	-0.37375	0.27603	0.351121	0.059216	Normal
272908.4	153712.4	-0.82818	0.012379	0.025621	0.058982	Normal
122417.1	14635.75	-3.06424	0.000574	0.002179	0.05814	Down
650344.3	540450	-0.26704	0.002507	0.0067	0.058068	Normal
77791.35	197004.2	1.340544	0.034493	0.060482	0.056754	Normal
3312955	3174708	-0.06149	0.101344	0.158224	0.056563	Normal
1189019	1335821	0.167955	0.142036	0.207908	0.056445	Normal
78416.02	183573.4	1.227137	0.005756	0.013711	0.056212	Up
182773.1	83266.69	-1.13424	0.001577	0.004768	0.05549	Down
648991.9	543921.1	-0.2548	0.011008	0.023259	0.055489	Normal
323372.9	206385.5	-0.64786	0.057402	0.09702	0.054724	Normal
931060.5	546828.6	-0.76779	0.642213	0.692986	0.054505	Normal
409644.4	599244	0.548771	0.349378	0.422095	0.053713	Normal
190770.2	89675.58	-1.08905	0.022123	0.042641	0.053202	Down
190580.3	21828.11	-3.12614	0.29618	0.372995	0.053117	Normal
226102.7	136493.3	-0.72815	0.001752	0.005085	0.05257	Normal
288016	193637.2	-0.57279	0.010506	0.022292	0.05252	Normal
71060.96	157024.6	1.143862	0.00218	0.00601	0.051398	Up
19244.63	178406.8	3.212643	0.297256	0.373418	0.051121	Normal
1640616	1493667	-0.13538	0.260208	0.336074	0.050836	Normal
99308.51	186091.5	0.906023	0.007032	0.015903	0.050823	Normal
296798	215833	-0.45957	0.001722	0.00504	0.050066	Normal
233721.8	371611.2	0.669002	0.245078	0.318981	0.049807	Normal
408506.6	512048.9	0.325922	0.097402	0.154262	0.049345	Normal
180860.2	259323.1	0.519876	0.001726	0.00504	0.049256	Normal
92763.05	208947.2	1.171516	0.168812	0.236806	0.049094	Normal
29779.95	106043.8	1.832247	0.000823	0.002886	0.048833	Up
16870.45	91072.49	2.432517	0.000223	0.001161	0.04844	Up
1738370	1589473	-0.12919	0.333897	0.408205	0.048305	Normal
116648.6	46064.69	-1.34044	2.89E-05	0.000334	0.047448	Down
121516.3	47389.74	-1.3585	0.005533	0.013305	0.047202	Down
715462.6	635308.3	-0.17142	0.03215	0.056768	0.046618	Normal
1755982	1635435	-0.1026	0.269866	0.3454	0.045691	Normal
16979.27	81956.07	2.271077	8.51E-06	0.00018	0.045554	Up
236642.2	167114.3	-0.50187	0.007713	0.017312	0.045403	Normal
1001326	894731.7	-0.16238	0.216381	0.289847	0.04512	Normal
87983.24	23887.69	-1.88096	0.000181	0.001013	0.045037	Down
164449.3	51780.43	-1.66716	0.240616	0.314795	0.045022	Normal
75041.73	11857.41	-2.6619	7.56E-06	0.00018	0.044915	Down
58715.52	122344.8	1.059139	0.003492	0.008905	0.044015	Up
145352	213967.7	0.557843	0.023323	0.044279	0.043804	Normal
407378.4	490380.3	0.267531	0.126557	0.191352	0.042918	Normal
986160.3	661911.2	-0.57518	0.745529	0.782728	0.041978	Normal
108451	50665.36	-1.09797	0.007054	0.015903	0.041454	Down

107540.3	163091.4	0.600804	0.003941	0.009854	0.041022	Normal
815254.8	744610.8	-0.13076	0.101514	0.158224	0.04054	Normal
12110.24	83336.61	2.782723	0.122442	0.187374	0.039943	Normal
65851.92	16314.21	-2.0131	7.15E-06	0.00018	0.03978	Down
106118.7	55054.47	-0.94675	0.001646	0.00489	0.039716	Normal
230651.5	286917.5	0.314921	0.024175	0.045554	0.039688	Normal
98568.9	46389.29	-1.08734	0.005606	0.013418	0.039638	Down
92920.74	41984.1	-1.14616	0.004676	0.01152	0.039275	Down
7026679	6840570	-0.03873	0.633683	0.686717	0.03866	Normal
126686.3	79043.39	-0.68054	0.001303	0.004205	0.03852	Normal
50144.77	97904.48	0.965275	0.001698	0.005013	0.038454	Normal
10950.01	56816.22	2.375371	0.000126	0.000819	0.03815	Up
86947.08	33928.95	-1.35762	0.030209	0.054688	0.038111	Normal
36178.39	83001.74	1.198013	0.001936	0.005449	0.038008	Up
81325.8	35207.73	-1.20782	0.001926	0.005449	0.03777	Down
170584	122275.2	-0.48035	0.009174	0.019798	0.037723	Normal
600315.1	525653.8	-0.19161	0.22924	0.305452	0.037399	Normal
69816.3	113735.5	0.704046	0.000223	0.001161	0.037261	Normal
128475.8	182736.6	0.508269	0.061438	0.102735	0.037056	Normal
246385.3	188246.8	-0.38829	0.09663	0.153937	0.036916	Normal
83217.14	39902.05	-1.06042	0.000447	0.001848	0.036909	Down
308832.6	384234.8	0.315163	0.242115	0.315939	0.036829	Normal
101673.7	58974.79	-0.78578	9.25E-05	0.000677	0.036828	Normal
19005.51	65014.42	1.774342	0.009632	0.020666	0.036761	Up
406946.7	470218.1	0.20849	0.154292	0.22073	0.03662	Normal
88134.34	46530.17	-0.92154	0.000805	0.002844	0.036052	Normal
874769.7	930584.1	0.089233	0.100165	0.15758	0.035982	Normal
221859.4	269797.4	0.282231	0.04224	0.073555	0.035635	Normal
54384.89	15116.99	-1.84704	1.43E-06	6.57E-05	0.035434	Down
16224.63	55332.3	1.769936	5.05E-06	0.000159	0.035353	Up
519194.9	574592.9	0.146264	0.146851	0.211886	0.034499	Normal
24958.47	60387.7	1.274725	9.59E-05	0.000682	0.03354	Up
834787.6	767224.5	-0.12176	0.301077	0.376346	0.033234	Normal
76911.48	112354.9	0.546792	0.002807	0.007346	0.032939	Normal
129257.2	234622.1	0.860094	0.543896	0.607671	0.032738	Normal
266439.8	223303.1	-0.25481	0.083577	0.135278	0.032339	Normal
222592.2	276019.5	0.310367	0.202572	0.274259	0.032187	Normal
148014.6	111152.4	-0.4132	0.020276	0.039843	0.032172	Normal
165379.5	222558.4	0.428403	0.273264	0.34848	0.031516	Normal
40590.41	72245.38	0.831766	0.000719	0.002664	0.031505	Normal
324292.3	274473	-0.24063	0.191359	0.262599	0.031415	Normal
134401.8	93529.85	-0.52305	0.090035	0.144342	0.031261	Normal
80808.67	127984.8	0.66339	0.163144	0.231427	0.031259	Normal
248888.2	176688	-0.49429	0.404819	0.477648	0.031187	Normal
178668.2	144092.8	-0.31028	0.030449	0.05484	0.030756	Normal
56832.8	24801	-1.19633	0.022382	0.042815	0.030039	Down
913549.2	777137.7	-0.23331	0.69658	0.740575	0.029689	Normal
119741.4	73485.03	-0.7044	0.23347	0.308645	0.029301	Normal
659771.3	711842	0.109591	0.314468	0.391149	0.028954	Normal
149747.3	114102.5	-0.3922	0.10773	0.165865	0.028717	Normal
67313.86	113025.4	0.747671	0.252402	0.327668	0.028633	Normal
240920.5	283631.3	0.235459	0.214428	0.287996	0.028556	Normal
255803.2	354089.7	0.469081	0.632874	0.686717	0.028099	Normal

200037.3	125217	-0.67584	0.526455	0.593437	0.028088	Normal
1693824	1823977	0.106803	0.726439	0.764274	0.027813	Normal
50422.25	23126.83	-1.12449	0.026234	0.048706	0.027483	Down
34763.08	12147.31	-1.51692	0.000135	0.000854	0.026794	Down
47059.8	24623.66	-0.93445	0.000144	0.000889	0.026654	Normal
14589822	14342090	-0.02471	0.866016	0.883512	0.026562	Normal
25497.94	62900.18	1.302684	0.232167	0.308538	0.026213	Normal
4214601	4108832	-0.03667	0.719392	0.758441	0.025558	Normal
13719.98	34030.95	1.310569	7.64E-05	0.000613	0.025407	Up
48019.04	26793.43	-0.84173	0.004756	0.01166	0.025287	Normal
450827.5	394362.2	-0.19305	0.491361	0.560129	0.025042	Normal
111405.1	144001.2	0.370265	0.210207	0.283836	0.024998	Normal
71162.33	50512.29	-0.49448	0.006148	0.014308	0.024907	Normal
27355.83	52905.15	0.95156	0.078385	0.128106	0.02487	Normal
5679337	5541465	-0.03546	0.786559	0.815631	0.024826	Normal
97798.99	167559.1	0.776778	0.603095	0.664985	0.024725	Normal
14017.87	38483.64	1.456978	0.070869	0.116576	0.024596	Normal
25323.31	44258.35	0.805483	0.001358	0.004277	0.024244	Normal
30070.23	9435.254	-1.6722	0.020463	0.040053	0.024164	Down
15516.06	34089.04	1.135546	0.001389	0.004329	0.024025	Up
218121.7	246638.9	0.177267	0.17869	0.247908	0.023933	Normal
549969.3	651355.9	0.244095	0.751482	0.787342	0.023365	Normal
42012.29	59943.51	0.512792	0.005918	0.01399	0.023197	Normal
265938.4	294869.1	0.148982	0.236795	0.312223	0.023134	Normal
42518.6	59120.5	0.475565	0.000786	0.002835	0.022794	Normal
66843.41	49015.79	-0.44754	0.018221	0.036084	0.022519	Normal
78640.71	46288.02	-0.76464	0.334648	0.408205	0.022333	Normal
23882.19	45451.17	0.928382	0.107255	0.165639	0.022201	Normal
14469.97	35482.75	1.294057	0.101268	0.158224	0.022161	Normal
130208.9	92416.59	-0.4946	0.461654	0.533491	0.021553	Normal
18883.67	35374	0.90555	0.020841	0.040636	0.021503	Normal
61334.71	79683.51	0.377577	0.062247	0.103745	0.021489	Normal
527745.9	494322.7	-0.09439	0.393598	0.467687	0.021435	Normal
394852.6	353907.2	-0.15794	0.530363	0.59651	0.020553	Normal
64490.2	47738.36	-0.43393	0.068862	0.114392	0.020484	Normal
19081.95	31347.66	0.716149	0.00046	0.001857	0.019638	Normal
19040.5	32704.82	0.780432	0.022286	0.042792	0.019582	Normal
249182	276940.4	0.152376	0.402538	0.476069	0.019366	Normal
37894.13	50484.41	0.413863	0.006744	0.015411	0.019357	Normal
57754.86	35796.03	-0.69014	0.295645	0.372995	0.01911	Normal
29944.1	43694.55	0.545182	0.055678	0.094672	0.018837	Normal
16150.66	28641.13	0.826496	0.021125	0.041032	0.018776	Normal
65017.69	79681.94	0.29342	0.097445	0.154262	0.018528	Normal
927737	963950	0.055242	0.575035	0.636826	0.018415	Normal
99844.85	85525.41	-0.22334	0.103012	0.160065	0.018214	Normal
14927.79	25903.18	0.795129	0.005947	0.01399	0.018157	Normal
40478.31	23976.41	-0.75553	0.192404	0.263317	0.018019	Normal
36693.74	47284.85	0.365844	0.003388	0.008728	0.017974	Normal
28863.66	18619.98	-0.6324	0.001347	0.004277	0.017816	Normal
14620.08	25517.64	0.803544	0.017267	0.03474	0.017593	Normal
62348.98	40969.22	-0.60583	0.396257	0.469741	0.01728	Normal
47618.61	70993.9	0.57617	0.444748	0.518702	0.017066	Normal
292859.2	262098.3	-0.1601	0.59012	0.652102	0.016712	Normal

70325.41	54600.6	-0.36513	0.270165	0.3454	0.016492	Normal
641868.7	660397.1	0.041055	0.378522	0.452851	0.016337	Normal
32848.93	16661.01	-0.97937	0.319961	0.395663	0.016122	Normal
10684.34	22748.05	1.090246	0.166352	0.234659	0.015808	Normal
78977.84	67927.72	-0.21745	0.15862	0.22628	0.015287	Normal
31606.58	51804.25	0.712846	0.493051	0.56079	0.015178	Normal
299247.2	270572.8	-0.14532	0.6317	0.686717	0.015076	Normal
46869.11	32820.65	-0.51403	0.320448	0.395663	0.014947	Normal
80128.83	58581.36	-0.45188	0.554574	0.616872	0.014683	Normal
24927.39	17184.56	-0.53662	0.026521	0.049059	0.014611	Normal
135441.7	118333.6	-0.19481	0.438819	0.514162	0.014587	Normal
39129.87	25834.08	-0.59899	0.335912	0.408761	0.014323	Normal
12025.28	18765.17	0.641986	0.008126	0.017841	0.014135	Normal
47114.36	28044.8	-0.74843	0.539294	0.603866	0.014096	Normal
72683.2	82525.35	0.183216	0.19449	0.265453	0.013881	Normal
178185.9	164507.3	-0.11523	0.387439	0.461454	0.013873	Normal
305082.9	323771.3	0.085774	0.546195	0.608893	0.013667	Normal
11142.86	18639.14	0.742215	0.070395	0.116175	0.013656	Normal
36758205	36581632	-0.00695	0.958957	0.96277	0.013479	Normal
1725021	1677070	-0.04067	0.828063	0.853412	0.01345	Normal
28637.88	36489.05	0.349539	0.125967	0.191352	0.013157	Normal
18370.99	8375.885	-1.13312	0.278912	0.353895	0.012977	Normal
67529.71	54194.88	-0.31737	0.438169	0.514162	0.012915	Normal
28863.92	35240.68	0.287975	0.099167	0.156498	0.012205	Normal
118241	131026.6	0.148129	0.497613	0.564707	0.012005	Normal
22310.13	28712.84	0.363997	0.129821	0.19454	0.011879	Normal
24186.62	30090.4	0.315094	0.103618	0.160513	0.011746	Normal
26714.45	36273.99	0.441315	0.373888	0.448488	0.011673	Normal
41754.74	35073.2	-0.25157	0.188993	0.260059	0.011499	Normal
19013.91	11664.65	-0.70491	0.266593	0.342568	0.011319	Normal
20102.24	25694.26	0.35409	0.126423	0.191352	0.011102	Normal
82709.76	76195	-0.11836	0.233288	0.308645	0.010961	Normal
20192.82	15658.28	-0.36692	0.058284	0.098112	0.010756	Normal
117326.8	107142.5	-0.131	0.531995	0.597016	0.010202	Normal
48562.01	34714.69	-0.48428	0.678458	0.722829	0.010015	Normal
500470.5	479811	-0.06082	0.780118	0.812288	0.009781	Normal
23201.92	29199.63	0.331706	0.329415	0.405743	0.009704	Normal
87357.95	79259.65	-0.14035	0.488542	0.558175	0.009688	Normal
13072.16	20470.05	0.647017	0.448063	0.519075	0.009657	Normal
13395.66	18904.55	0.496967	0.287742	0.364184	0.009612	Normal
51524.34	55707.88	0.112627	0.170431	0.238415	0.009305	Normal
12439.04	6794.281	-0.87248	0.373754	0.448488	0.008911	Normal
7283.096	11170.79	0.617107	0.175912	0.244726	0.008889	Normal
35985.2	27740.37	-0.37542	0.562195	0.623974	0.008858	Normal
11900.56	15719.59	0.401534	0.259164	0.335585	0.008189	Normal
533870.3	513897.1	-0.05501	0.845671	0.867935	0.008171	Normal
11747.38	14910.57	0.343996	0.159071	0.226284	0.008152	Normal
501034.4	512400.3	0.032362	0.755	0.789389	0.007811	Normal
13453.68	8352.51	-0.68772	0.471095	0.54192	0.007716	Normal
20418.69	25063.06	0.295672	0.447939	0.519075	0.007577	Normal
31404.28	35731.96	0.186254	0.448152	0.519075	0.007385	Normal
38112.55	44989.55	0.239324	0.654995	0.703771	0.007049	Normal
31163.49	26353.54	-0.24186	0.626594	0.684913	0.006234	Normal

686337.6	669789.5	-0.03521	0.893312	0.902059	0.005875	Normal
93255.57	88782.94	-0.07091	0.669733	0.716557	0.005574	Normal
66197.54	77333	0.224307	0.872744	0.886792	0.005508	Normal
6983.643	9581.277	0.456238	0.477396	0.547433	0.005485	Normal
10542.41	12081.53	0.196598	0.227755	0.304276	0.005357	Normal
61875.29	66556.6	0.105218	0.712084	0.752306	0.005341	Normal
29584.47	35363.26	0.257411	0.769417	0.802801	0.005286	Normal
16603.05	15534.74	-0.09595	0.093517	0.14945	0.005021	Normal
276149.6	261748.5	-0.07727	0.913977	0.919439	0.004853	Normal
7310.894	10050.17	0.4591	0.615809	0.676051	0.004836	Normal
14959.26	16203.48	0.115265	0.266592	0.342568	0.004642	Normal
14013.18	11409.07	-0.2966	0.629703	0.686717	0.00462	Normal
116765.1	112335.8	-0.05579	0.792821	0.82044	0.004445	Normal
293107.6	286458.9	-0.0331	0.872724	0.886792	0.004413	Normal
5983.723	8387.429	0.487185	0.636079	0.687837	0.004409	Normal
329515.7	324885.7	-0.02041	0.847311	0.867935	0.003905	Normal
24376.26	26092.91	0.098181	0.711507	0.752306	0.003311	Normal
6920.89	8203.654	0.245309	0.702819	0.745638	0.002883	Normal
110240.2	113408.8	0.040882	0.881873	0.894269	0.002771	Normal
96428.88	93559.32	-0.04358	0.888493	0.899177	0.002645	Normal
5889.196	4944.038	-0.25238	0.656732	0.704139	0.002628	Normal
56109.16	54230.83	-0.04912	0.839346	0.863278	0.002597	Normal
127910.7	126507.8	-0.01591	0.785204	0.815631	0.002523	Normal
167862	170721	0.024365	0.894914	0.902059	0.002516	Normal
28606.33	27274.32	-0.06879	0.800812	0.827015	0.002456	Normal
13374.73	11743.43	-0.18766	0.864739	0.883512	0.002157	Normal
2705.084	2248.004	-0.26703	0.61472	0.676051	0.001934	Normal
1536793	1534651	-0.00201	0.966618	0.968536	0.001286	Normal
682783.5	682184.5	-0.00127	0.987645	0.987645	0.000193	Normal

row	Z.B.1	Z.B.2	Z.B.3	H.B.1	H.B.2	H.B.3
1 Rrp0530	8.15E+08	8E+08	6.96E+08	1.84E+08	1.65E+08	1.38E+08
2 Rrp0679	1.33E+09	1.38E+09	1.33E+09	8.02E+08	7.76E+08	7.33E+08
3 Rrp0680	1.36E+09	1.36E+09	1.35E+09	8.45E+08	8.16E+08	7.29E+08
4 Rrp0686	1.32E+09	1.33E+09	1.29E+09	8.18E+08	7.73E+08	6.89E+08
5 Rrp0681	1.28E+09	1.32E+09	1.27E+09	8.01E+08	8.01E+08	7.42E+08
6 Rrp0549	4.54E+08	5.1E+08	4.32E+08	82067652	76892796	71171523
7 Rrp0692	4.35E+08	4.21E+08	4.21E+08	70329705	75236709	66592677
8 Rrp0668	1.26E+09	1.3E+09	1.22E+09	9.74E+08	8.77E+08	8.62E+08
9 Rrp0669	1.23E+09	1.24E+09	1.24E+09	9.29E+08	8.94E+08	8.63E+08
10 Rrp0547	5.12E+08	5.07E+08	5.65E+08	8.69E+08	8.27E+08	8.05E+08
11 Rrp0165	1.19E+09	1.21E+09	1.15E+09	9.59E+08	9.21E+08	9.09E+08
12 Rrp0546	6.23E+08	6.34E+08	5.53E+08	8.45E+08	7.72E+08	8.24E+08
13 Rrp0684	78117479	76978803	74286051	2.3E+08	2.26E+08	2.05E+08
14 Rrp0674	67673195	70801755	60555220	2.09E+08	2.08E+08	1.96E+08
15 Rrp0228	2.79E+08	2.81E+08	2.55E+08	1.56E+08	1.44E+08	1.45E+08
16 Rrp0359	1.03E+09	1.01E+09	9.44E+08	8.9E+08	8.74E+08	8.77E+08
17 Rrp0651	19192132	20352677	16058523	1.37E+08	1.21E+08	1.1E+08
18 Rrp0188	8.78E+08	8.41E+08	8.54E+08	7.81E+08	7.35E+08	7.39E+08
19 Rrp0538	1.06E+09	1.1E+09	9.96E+08	1.16E+09	1.16E+09	1.17E+09
20 Rrp0368	1.15E+08	1.29E+08	98410657	21995525	18411337	14689356
21 Rrp0361	9.7E+08	9.81E+08	9.23E+08	8.74E+08	8.77E+08	8.84E+08
22 Rrp0305	13436838	11469597	12514043	89451639	83499310	80105794
23 Rrp0440	1.28E+08	1.45E+08	1.56E+08	2.24E+08	1.99E+08	2.15E+08
24 Rrp0664	3.24E+08	3.17E+08	2.87E+08	2.54E+08	2.38E+08	2.27E+08
25 Rrp0438	1.17E+08	1.25E+08	1.38E+08	2.15E+08	1.7E+08	2.06E+08
26 Rrp0455	1.08E+08	1.03E+08	1.1E+08	49032398	40134717	41911695
27 Rrp0655	2.01E+08	2.23E+08	1.86E+08	1.53E+08	1.36E+08	1.26E+08
28 Rrp0456	95722955	94986115	1.1E+08	46317084	44069800	40001041
29 Rrp0564	60277194	63032526	66257650	9302177	8461343	8062043
30 Rrp0366	1.55E+08	1.58E+08	1.32E+08	2.16E+08	1.97E+08	1.93E+08
31 Rrp0383	8.41E+08	8.56E+08	8.45E+08	9.02E+08	8.99E+08	8.91E+08
32 Rrp0384	7.87E+08	8.3E+08	8.15E+08	8.79E+08	8.6E+08	8.55E+08
33 Rrp0654	1.97E+08	2.39E+08	1.81E+08	1.63E+08	1.29E+08	1.56E+08
34 Rrp0652	2.14E+08	2.24E+08	2.5E+08	2.96E+08	2.77E+08	2.64E+08
35 Rrp0670	10154185	7677299	8647740	52189029	47046713	40614719
36 Rrp0148	68695545	69009249	58258059	31123220	27404838	27819945
37 Rrp0673	48842803	56944981	45572703	15691480	15368588	13289107
38 Rrp0386	1.48E+08	1.37E+08	1.31E+08	1.91E+08	1.78E+08	1.59E+08
39 Rrp0293	15385894	18050994	15781400	42914643	36681906	37225433
40 Rrp0055	1.37E+08	1.4E+08	1.27E+08	1.7E+08	1.53E+08	1.52E+08
41 Rrp0511	3459268	3215236	3381280	21030862	19717823	20469811
42 Rrp0688	27345049	25317805	23510822	8709275	9447801	8065156
43 Rrp0582	2.31E+08	2.14E+08	1.95E+08	2.04E+08	1.8E+08	1.86E+08
44 Rrp0528	1.31E+08	1.37E+08	1.04E+08	1.65E+08	1.31E+08	1.44E+08
45 Rrp0554	48009992	41990737	38728713	57029362	61449276	56607152
46 Rrp0452	14468747	15737862	14511235	1308680	1252742	1241561
47 Rrp0514	3775587	3526989	2992441	22919966	16126459	14349519
48 Rrp0197	23411865	24196187	25872018	11504373	11172381	11693660
49 Rrp0598	7733023	7530312	6384312	22265662	19544313	19189988
50 Rrp0333	1.26E+08	1.33E+08	1.33E+08	1.41E+08	1.44E+08	1.47E+08
51 Rrp0510	8135176	7804680	6328642	20084531	18323861	18790634
52 Rrp0568	4815304	4708031	4259165	16533399	14704398	14071056

53 Rrp0512	8163948	7299506	6423647	18564294	17378327	16872199
54 Rrp0672	702549.5	648421.6	645438.2	10924577	11157571	9746623
55 Rrp0754	4746110	3983978	3921765	15053851	10710269	17390269
56 Rrp0515	16861516	17654066	16852034	30253308	26031413	25203645
57 Rrp0223	57463238	56866763	57885701	68117046	65430942	67414158
58 Rrp0645	16686093	15378831	14634779	27471358	26244034	22564252
59 Rrp0600	7005990	6316394	5617249	15894992	14514977	16240176
60 Rrp0507	7142950	7664895	5990659	15355222	16396995	15494959
61 Rrp0098	25566576	24500428	26394602	33147222	34601615	35086378
62 Rrp0643	1527005	1932474	1596310	11957976	9556306	9803971
63 Rrp0565	5352602	5095947	3811658	14479759	12654780	12381677
64 Rrp0701	11799849	11566013	10782507	3334636	3081256	3185791
65 Rrp0649	14145821	15088003	15740291	21127518	22328121	27541190
66 Rrp0464	7212616	8607038	8716852	17842448	14877491	16463925
67 Rrp0529	6.48E+08	67297943	5.47E+08	5.19E+08	4.19E+08	4.92E+08
68 Rrp0753	3203746	3321506	3055304	13492401	9754759	10886556
69 Rrp0090	94030308	99121304	95153137	1.04E+08	1.12E+08	1.01E+08
70 Rrp0096	23121244	22936699	25087071	29491594	32276563	32391441
71 Rrp0318	15146623	16158544	13579173	25977128	21629334	21133966
72 Rrp0545	9585850	9179395	8528099	17877180	16103747	15489504
73 Rrp0328	688111.9	687938.1	677501.5	7144047	7994846	7346854
74 Rrp0626	1272586	1437979	1064173	7951360	7824552	8111333
75 Rrp0648	7452158	7138576	8429836	1416515	1123100	1071205
76 Rrp0527	6.24E+08	6.59E+08	1E+08	5.27E+08	4.91E+08	5.07E+08
77 Rrp0640	2915690	3037214	3367299	10720783	8545506	9447287
78 Rrp0319	15483895	16683157	13757030	24679373	20972334	21059489
79 Rrp0102	28412106	28526403	31930705	35555468	35854048	37366235
80 Rrp0481	33978046	30123970	28115929	25237459	24618633	21051462
81 Rrp0229	12548716	13272083	10973479	6742584	5460122	5541901
82 Rrp0349	15742148	9940930	9645013	5575338	559674.3	6286858
83 Rrp0317	16380998	16541217	13912481	24437912	21904776	20386518
84 Rrp0567	1263571	1744222	1755547	7796513	7459152	7334287
85 Rrp0441	9225636	9240950	9971248	17026811	13560065	15907148
86 Rrp0480	30381455	28150072	28016005	24664702	23251554	21959528
87 Rrp0190	2383557	274362.2	212963.8	5861573	5799633	7241871
88 Rrp0509	46641014	47371506	35045281	41107844	32867461	30913945
89 Rrp0690	798806.5	914637.1	749408.2	6773046	5641935	5504288
90 Rrp0143	19719283	21108244	17596197	16015431	12833025	13030477
91 Rrp0644	7836540	7599674	7258108	12775224	13901851	11372778
92 Rrp0685	5795425	7278392	6388834	13174792	11656394	10222459
93 Rrp0508	7451144	5338710	4653691	12505367	10208081	10414756
94 Rrp0047	2236011	430473.6	415731.1	6548997	5604490	5586187
95 Rrp0406	21153.63	26953.13	59461.41	5301388	4520208	4459002
96 Rrp0122	25772024	26510742	23997447	21946513	19935698	19479798
97 Rrp0755	2026959	1909790	2015188	7083339	6320299	6216172
98 Rrp0278	7013929	7506923	6715859	3112901	2684171	2515174
99 Rrp0026	11858873	12928731	12483381	17074790	16151635	16974960
100 Rrp0650	2771470	2267211	2741161	6421069	5686181	8377413
101 Rrp0309	2391625	2104466	2126646	7422372	5055998	6651272
102 Rrp0181	5033600	4950962	6531245	1865424	1809842	1034382
103 Rrp0453	5715844	5028489	5631822	1775941	1668118	1505016
104 Rrp0321	15541342	14614903	13669889	19317875	18606192	17979898
105 Rrp0665	32185076	36813671	31895885	28923171	30603578	27262192

106 Rrp0160	5212116	4822885	4695489	1541105	1401104	1339378
107 Rrp0678	3463672	3563623	2684600	6714076	7082173	6283280
108 Rrp0641	1000583	814502	906474.2	4560040	4102389	4180553
109 Rrp0489	30968335	31907011	27835433	37190108	32240735	34285451
110 Rrp0720	1373476	1515475	1222187	5511669	4283752	4403416
111 Rrp0402	1204990	1581662	1292839	4953633	4061280	4278621
112 Rrp0087	16657280	17552138	16011899	22673803	20234038	18348381
113 Rrp0103	20738268	21340279	22263230	24419613	24433183	24235449
114 Rrp0517	14661385	13415438	12741072	17880488	16781230	15311045
115 Rrp0583	2483397	2513549	2465534	17479.64	19136.79	15466.62
116 Rrp0429	5100319	5290774	5035988	2898272	2505505	2734679
117 Rrp0696	1820918	1949233	1860081	4430974	3737630	4811918
118 Rrp0477	2422772	2224704	2530115	4708341	4698143	4919592
119 Rrp0697	1956894	2015859	1701948	4341987	4092240	4293862
120 Rrp0251	3387206	3381764	3353724	1020267	1130367	987375.5
121 Rrp0548	1383679	1221967	1251322	3464630	3560986	3805461
122 Rrp0404	1199988	1607429	1244174	3509001	3939051	3568176
123 Rrp0339	45342058	41531535	45720815	42799206	38741997	41058107
124 Rrp0100	156187.4	398100.6	194760.5	2931881	2511324	2257832
125 Rrp0683	539300	715062	449625.4	3335948	2664609	2656635
126 Rrp0185	1232213	1141805	1067364	3775971	3054645	2955543
127 Rrp0327	284641.2	141563.1	223987	2526038	2121626	2120377
128 Rrp0493	869334.5	825487.8	667513.8	2899180	3722481	2246686
129 Rrp0454	3277810	3248931	2851133	1269545	932456.4	1299136
130 Rrp0467	7870040	7913061	6647088	4376725	5910162	5528646
131 Rrp0540	13968.49	23169.82	14169.8	25140.24	3447077	4093787
132 Rrp0465	2562606	2443775	2147871	4484304	4436378	3887882
133 Rrp0363	311903.5	323973.5	346709.7	2374273	1982665	2010872
134 Rrp0676	497231.4	340641.2	291971	2244071	2038696	2113532
135 Rrp0522	7.35E+08	7.41E+08	7.2E+08	7.33E+08	7.18E+08	7.29E+08
136 Rrp0332	3654355	3439680	2896865	1750797	1574630	1443552
137 Rrp0466	7426790	8062459	7706668	6554257	5962311	5474152
138 Rrp0121	3605692	3907847	3697246	2052054	2166772	2176951
139 Rrp0658	4352582	4747987	4522383	7565411	6167777	5489791
140 Rrp0569	14912461	15236238	14068038	14395103	11826139	12023177
141 Rrp0581	2255581	2148303	1777990	613972.7	677450.6	601215.9
142 Rrp0158	4495605	4730800	4713000	3529882	3066600	3100510
143 Rrp0088	2885660	3385257	3083427	1703045	1799311	1691275
144 Rrp0171	4598436	4720718	4368883	3395125	3107779	3045638
145 Rrp0431	928705.6	1030930	972423	1895643	1559193	4810082
146 Rrp0174	169794.7	134188.5	220195.6	1579557	1575419	1195775
147 Rrp0324	3527582	4386042	3798728	7259921	6425360	3796032
148 Rrp0031	4751127	4633779	4708179	3562774	3521445	3419449
149 Rrp0532	568188.2	358843.8	338717.9	1955002	1644607	1341043
150 Rrp0513	12609993	13128094	9362164	14962629	12569212	13320335
151 Rrp0164	2273509	2638865	2518676	1525706	1395734	1231574
152 Rrp0725	1383388	1096926	1269012	208815.7	196170.6	204895.3
153 Rrp0541	184082.1	173570.8	219112.9	2181705	1123197	936650.1
154 Rrp0306	4172607	4251129	3661593	5523125	4714535	5212945
155 Rrp0610	8751876	9455771	7483630	10254933	9955343	9447967
156 Rrp0392	11689885	12278450	9250727	10464820	9004705	9087064
157 Rrp0436	385712.2	403017.6	372890	1359521	1232482	1373125
158 Rrp0490	4603212	4397639	3704350	3494612	3124053	2857378

159 Rrp0661	5328133	5409987	5748649	4898908	4218078	4300078
160 Rrp0075	2087928	2568987	2249771	1539074	1333561	1100350
161 Rrp0474	4747773	4188470	4206628	6096245	4776096	5662908
162 Rrp0531	283040.6	336159.4	225616.4	950930.5	1072831	1761600
163 Rrp0265	1447745	1832165	1317795	644556.7	627740.4	497789
164 Rrp0450	827344.8	1105286	892121.7	57281.99	67250	50720.68
165 Rrp0053	5235490	524900.2	523810.8	395701.5	378877	342833.9
166 Rrp0280	980711.8	890227.6	854900.9	81253.43	68196.02	77723.32
167 Rrp0014	2.48E+08	2.59E+08	2.25E+08	2.61E+08	2.46E+08	2.38E+08
168 Rrp0242	40054.21	37119.03	35856.3	881673.1	801450.6	829619.3
169 Rrp0205	2282223	2310747	1855554	1295093	1269774	1341899
170 Rrp0069	5590080	51965.69	66250.74	90692.84	151854.6	143807.1
171 Rrp0358	1501480	1462600	1293988	2410063	2320067	1938137
172 Rrp0388	1042404	1178787	1209011	441608.8	397012.7	380983.5
173 Rrp0070	1710240	1690211	1930278	2397345	2469966	2746914
174 Rrp0065	3715492	3819199	3434546	5128861	4365473	4177959
175 Rrp0330	990672.5	1047027	818337.6	243055.8	264521.4	169593.1
176 Rrp0764	293178.9	364130.1	959113.8	1523945	1165651	1363457
177 Rrp0062	2911403	2909902	2571077	3844161	3410374	3439720
178 Rrp0482	644806.4	618231.8	516280	1405304	1070057	1411691
179 Rrp0213	957455.5	1062359	931310	291984.4	288170.8	334347
180 Rrp0381	887003.3	1109872	1437312	2016581	2101086	1641622
181 Rrp0212	1298329	1453819	1524932	752531.2	713552.6	778908.2
182 Rrp0586	773244.7	782158.6	697119.5	1483522	1069027	1933307
183 Rrp0192	5834798	5017840	5001603	6462184	6317327	5640915
184 Rrp0036	2328984	2507954	2051732	1885846	1389292	1503752
185 Rrp0063	3770590	3728966	3228900	4773030	4046418	4198491
186 Rrp0074	1964256	2171084	1603425	1473137	982978.6	1159523
187 Rrp0038	316451.1	322815.1	305931.4	1221346	866182	806366.4
188 Rrp0417	1795944	2009162	1668209	2863217	2375075	2304895
189 Rrp0457	549404.7	619697.5	633527	33024.23	34273.32	35236.61
190 Rrp0008	12923423	12457002	15424958	12219238	12234557	12993511
191 Rrp0019	1032478	970905.1	924565.1	446592.6	433587.8	387157.4
192 Rrp0742	1153352	1203287	1230483	659266.4	670633.7	655563.3
193 Rrp0147	453295.7	565216.5	466846.4	1026001	1174957	944272.5
194 Rrp0743	1187834	1241544	1037679	1578038	1637964	1888126
195 Rrp0746	804058.5	829121.9	638663.7	253032.9	205996.1	228200.3
196 Rrp0060	3711439	3768742	3453513	4435836	4320224	3953400
197 Rrp0606	38155541	38478598	30702637	34668841	38990314	38754383
198 Rrp0078	1358920	1053550	1048599	862147	485493.7	488265.9
199 Rrp0667	31142.96	30175.64	35501.02	525697.8	479325.7	476638.3
200 Rrp0011	1.16E+08	1.19E+08	1.1E+08	1.24E+08	1.15E+08	1.13E+08
201 Rrp0607	2004636	2264939	1958188	1653754	1568650	1547102
202 Rrp0329	546138.2	552026.5	524442.6	99895.59	98474.42	88373
203 Rrp0542	806964.4	835154.3	660078.6	290575.2	322509.9	334991.9
204 Rrp0028	2758407	3009732	2839860	3527111	3123458	3436517
205 Rrp0334	636002.8	745567.8	638931.7	271890.4	260229.9	183407
206 Rrp0219	286548.3	345834.7	225465.8	462978.3	1215752	811362.9
207 Rrp0191	6291863	6663622	5740279	7520830	7105935	6211671
208 Rrp0577	674469.5	733481.3	585375.7	1186586	975692.2	1115749
209 Rrp0410	1391430	1448972	1465669	1839541	1687100	2118173
210 Rrp0112	17929325	21898869	18889197	24591446	19880125	18449898
211 Rrp0662	3983560	3243878	3466690	3895671	4361705	3993406

212 Rrp0630	361705.4	375458.6	304232.8	706544	766129.9	649722
213 Rrp0516	3402235	4112268	2990258	4313692	3999649	3853010
214 Rrp0709	410060.6	404727.9	464850.1	99162.12	80239.05	83735.39
215 Rrp0449	516678.1	580076.9	462463.6	215879.3	168287.2	152905.3
216 Rrp0426	817830.3	761675.1	795801.8	1080367	1059493	1240445
217 Rrp0032	2747746	3230543	2791004	3602063	3208127	3258687
218 Rrp0274	1331964	208439.2	1360507	179276.9	889538.9	123056.3
219 Rrp0159	3883530	4274677	3952517	3664164	3581021	3711206
220 Rrp0238	118045.6	2091295	122666.7	149969.8	12836.89	98927.3
221 Rrp0638	891920.1	1138635	1232612	1377693	1472927	1468624
222 Rrp0422	1932825	1912422	1789203	2218957	2121244	2250179
223 Rrp0752	4054084	320110.1	32432.76	146488.7	154622	1289033
224 Rrp0042	596777.4	655466	628682.3	389813.5	276498.1	289833.4
225 Rrp0675	314446.1	335175.2	29227.81	695622	525127.5	523353.4
226 Rrp0115	366276.7	4327500	305081.4	815115.4	611605.3	786187.6
227 Rrp0108	1412963	1533559	1425879	1168679	1104468	1198568
228 Rrp0647	182410.8	194926.7	194445.4	495583	535074.6	418773.4
229 Rrp0367	495202.4	486231.8	428376.7	209371.4	193133.9	211478.8
230 Rrp0504	62827.69	92290.6	70141.41	394115.8	281253.3	343838.8
231 Rrp0214	150066.2	112768.8	67802.94	38763.05	1777672	223096.2
232 Rrp0130	1366930	1436769	1354306	1748622	1527104	1698799
233 Rrp0150	343628.8	240059.5	376152.1	632487.3	468046.4	683575.9
234 Rrp0566	681966	625844.7	771786.1	936043	912368.7	1003728
235 Rrp0281	1038458	987874.9	962895.7	834721.5	721850.8	675810.3
236 Rrp0408	102499.6	85080.9	120076.8	371344.2	367665.7	294078.3
237 Rrp0044	1572747	1954929	2269204	2511191	2133269	2256744
238 Rrp0040	503261.4	525147.4	520423.7	350242.9	265528.7	221340.3
239 Rrp0642	60499.69	4702.816	63129.88	282868.4	272739.8	268447.8
240 Rrp0759	318664.1	332600.8	305102.4	122050.6	119205.8	10893.67
241 Rrp0119	10445818	12689148	8154236	12336455	11267573	10138020
242 Rrp0201	580834.3	712958.2	576332.9	425414.3	369715.1	399817.7
243 Rrp0107	2798031	3157471	2761343	3505757	2989132	3183666
244 Rrp0270	456916.5	466040.3	459082.2	682555.8	649256.1	663617.4
245 Rrp0534	679900.9	778179.8	774694.3	515880.9	411030.5	609323.4
246 Rrp0476	429267	463396.7	256409.9	167253.5	165281.5	137786.1
247 Rrp0766	13150.71	16029.38	12467.72	205831.8	190575.9	233715.7
248 Rrp0420	7704391	8976956	9890057	10237613	8910979	9120824
249 Rrp0311	2284878	1808134	1825131	3957278	1854292	1782155
250 Rrp0691	361431	364730.1	344620.4	232846.5	127492.2	127604.7
251 Rrp0728	308317	357744	274768.2	119728.8	128703.9	124336.6
252 Rrp0760	307596	262121.2	250036.3	85903.28	108250.8	89851.7
253 Rrp0613	330033.2	333873.3	310291.2	482906.8	517753.7	491796.6
254 Rrp0621	244359.8	287148.6	215061.9	73721.75	76891.81	70108.89
255 Rrp0390	1006458	910966.5	977426.3	1136230	1180202	1117800
256 Rrp0345	19820624	18065825	18522097	19149071	17742516	18113366
257 Rrp0611	988554.7	1143934	915488.5	1460945	1116312	1175926
258 Rrp0727	205236	197685.7	183541.5	38904.59	40410.78	35296.67
259 Rrp0172	462330	407892.6	292461.5	168888.4	146623.2	275684.8
260 Rrp0523	10978672	1310514	112518.8	792567.8	7690258	823747.9
261 Rrp0218	240903.7	205555.5	229056	83136.02	75366.23	62621.91
262 Rrp0758	23771.18	20263.63	23916.19	179025.1	161184.1	179392
263 Rrp0288	696200.8	763837.2	649883.9	872049.5	904885.7	834557.9
264 Rrp0348	25220.75	46834.56	27906.41	155669.8	163467.6	238114.8

265 Rrp0289	183180	309020.3	133829.3	542658.4	324366.3	348006.3
266 Rrp0572	667449.3	701698	716502.3	897437.9	747646.6	941384.8
267 Rrp0379	109275.9	105349.2	85138.29	212830.7	236287.6	277595.3
268 Rrp0052	954167	903053.3	743600.7	791011.1	653908.6	611342.6
269 Rrp0470	73183.48	119829.5	93590.16	258666.2	227908.6	222056.1
270 Rrp0726	168650.3	168909.4	180015	35207.65	38722.44	35185.92
271 Rrp0097	840968.3	613798.1	746987.4	962184.8	957680.6	829715.2
272 Rrp0614	817910.4	861592	789036.7	1152920	861813	1000908
273 Rrp0303	892010	855716.8	777400.5	1006331	1065249	934132.6
274 Rrp0196	226253.2	255739.6	228761.7	415107.4	358497.7	351405.1
275 Rrp0615	397053	464273.4	367815.6	504660.4	587654.2	563053.4
276 Rrp0351	744380.9	181264.6	316585	261510.6	83425.5	209786.6
277 Rrp0193	21842.15	39887.63	26277.93	491673.8	194572.9	29438.71
278 Rrp0603	62314.74	64474.22	61389.07	194232.1	172970.9	184030.9
279 Rrp0499	87163.31	72600.7	59703.53	218905.8	208384.8	170332
280 Rrp0589	3023812	3384579	2685891	3523166	3087763	3226496
281 Rrp0543	152639.5	149680.4	174359.1	40865.1	46878.29	45021.31
282 Rrp0376	309978.2	42385.37	190199.4	492527.4	334610.4	255769.9
283 Rrp0573	172982.2	192263.5	183394.9	77989.92	57259.54	70720.36
284 Rrp0747	63934.43	61879.09	69626.51	176927	188403.9	168365.5
285 Rrp0001	42250.33	33902.26	55347.32	711123	57668.82	76986.12
286 Rrp0117	439410.6	366287	322900.6	271156	28054.77	314719.7
287 Rrp0633	221434	244147.7	267737.6	393815.5	318347.9	364058.4
288 Rrp0558	241440.3	206734.3	166192.7	103614.7	95680.36	92239.71
289 Rrp0659	158399	125163.1	157315.4	277420.8	242573.5	235712.3
290 Rrp0391	217310.1	228509.6	199722.8	304989.1	304015.4	333607.6
291 Rrp0519	1305289	1375281	1301478	1372469	1549181	1447808
292 Rrp0617	322558.5	332779.6	342874.9	505022	379047.9	456933.9
293 Rrp0076	415974.2	410931.8	388818.9	284945.4	352237.1	267650.1
294 Rrp0419	7318657	5620196	3271159	5046908	4759035	5001202
295 Rrp0552	122008.8	135501.1	145442.6	40755.75	42776.91	44487.49
296 Rrp0009	43159.69	39853.96	34478.56	43770.58	52140.35	504130.6
297 Rrp0387	213038.8	212008.8	199622.5	153496	109694.8	106565.9
298 Rrp0562	63158.99	6832.976	634633.4	56725.44	54800	52892.57
299 Rrp0503	99235.8	90708.75	100951	161926	212713.2	161120.3
300 Rrp0689	134994.1	91355.43	70084.31	18431.94	23112.07	13555.86
301 Rrp0537	160206.3	296972.6	157095.5	324259.3	289186.1	288216
302 Rrp0434	35632.3	27330.88	34076.88	98517.04	93248.85	110263.2
303 Rrp0183	599143.7	739007.3	460173	495040	456408	495296.3
304 Rrp0104	264943.4	316404.9	107470.5	206837.6	104886.8	38730.12
305 Rrp0017	82388.07	89756.81	98807.81	148619.5	179450.2	153102.5
306 Rrp0006	712914.5	793418.7	735423.2	653240	627635.7	703345.5
307 Rrp0180	187797.7	214954	182387.4	285577.6	259822.1	252019.8
308 Rrp0632	367485.2	397852.9	340788.2	481606.2	413721.3	442860.1
309 Rrp0677	11252.67	10741.77	21029.38	70721.03	76958	92419.8
310 Rrp0248	263421.8	317531.7	332453.8	237226.6	201171.6	242048.7
311 Rrp0364	132727	139774	136466.7	204900	183109.7	219676.3
312 Rrp0377	106963.8	58648.02	93529.73	236996.6	96451.26	190278.5
313 Rrp0369	317761.8	333352.8	284708.5	433427.7	382689.6	351030.1
314 Rrp0707	15125.45	17795.61	15080.25	79153.3	75073.46	76627.45
315 Rrp0252	123210.6	103795.5	98930.13	46447.71	54993.08	39162.71
316 Rrp0365	112154.5	112875.1	160345.6	65775.61	61133.14	62698.95
317 Rrp0724	161906.3	157879.5	125898.8	95493.47	76752.94	89227.21

318 Rrp0570	10898.54	10980.59	11783.1	67956.91	66671.86	66539.6
319 Rrp0211	138934.1	227574.9	239314.8	350563.4	222480.8	282021.2
320 Rrp0666	112066.8	121234.7	85605.34	43216.97	52499.64	50689.7
321 Rrp0136	154115.7	200583.7	166748.4	279421.6	278348	186851.5
322 Rrp0342	9603.752	14434.98	39103.14	77283.25	15132.23	234323.8
323 Rrp0082	248714.7	212093.3	234068.1	186305.3	164456.4	174184.5
324 Rrp0302	326869.8	373227.9	304424.5	453128.6	438422.3	344546.6
325 Rrp0169	411573.1	268762.3	421246.9	523746.1	430021.9	410812
326 Rrp0269	98446.02	140843.6	109378.5	55565.77	65201.18	62578.2
327 Rrp0733	14402.38	14803.34	19381.82	63076.53	65264.21	65846.76
328 Rrp0048	79028.99	105112.2	83837.28	36777.78	43870.38	35557.31
329 Rrp0585	1881467	2051631	2006312	2117717	1751307	1727878
330 Rrp0416	14680.37	5126.817	111157.5	102621.4	103670.3	123484.8
331 Rrp0458	83959.33	108834.4	82772.62	46833.99	37000.99	44623.48
332 Rrp0433	83003.25	87935.66	84745.03	35888.49	39527.02	42233.94
333 Rrp0083	14474.06	15246.26	17462.37	293127.4	26107.09	20909.7
334 Rrp0597	40831.47	55123.81	45671.8	48228.53	390133.7	35670.92
335 Rrp0079	108493.2	130695.5	111429.1	75799.59	73812.11	60648.9
336 Rrp0561	21560.09	12749.88	15010.88	44880.74	62731.54	88301.4
337 Rrp0084	51600.37	70893.96	55272.45	88377.21	136436	103459
338 Rrp0427	185172.8	183894.1	172799.9	62023.58	145729.7	154946.5
339 Rrp0575	175589.7	164747.9	153452.5	105273.5	137826.4	115059.4
340 Rrp0775	2246.643	31701.04	20018.12	56016.82	35338.7	119586.5
341 Rrp0608	105322.7	148930.3	147186.1	62480.15	131144.5	44700.36
342 Rrp0301	50480.2	47772.52	48213.75	83126.72	99122.91	80360.05
343 Rrp0080	45001.79	5262.545	44144.38	77655.28	74712.26	72018.57
344 Rrp0682	759713	807305.7	715733.6	917898.2	774648	792593.5
345 Rrp0135	130619.2	133152.7	154803.5	163270.1	190998.4	184590.8
346 Rrp0774	29564.92	28576.74	28442.45	62486.96	66851.83	61083.35
347 Rrp0064	325033.2	382661.7	296452	414754.9	377458.8	365696.2
348 Rrp0415	2047127	2176245	1680033	2447657	1964306	1882653
349 Rrp0194	137348.8	20449.96	121757.1	290346.5	21604.15	203975.1
350 Rrp0005	95072	113505.1	105727	65216.62	68305.82	75666.6
351 Rrp0178	52660.82	75681.58	42159.42	112365.5	97818.64	76831.1
352 Rrp0544	151824.5	112544	153592.7	189604	274686.5	130855.1
353 Rrp0312	576354.8	556753.7	415588.6	694740.3	249740.6	318445.2
354 Rrp0756	65557.55	65729	63110.44	97514.44	88938.1	100183.5
355 Rrp0405	464470.7	102878.6	401640.7	205390	248401.6	262401.6
356 Rrp0296	130736.8	104010.4	92217.76	65698.86	76222.76	77902.06
357 Rrp0039	24795.37	23928.71	24485.55	51823.32	61448.53	51304.48
358 Rrp0557	20061.93	14347.38	13141.33	53116.16	49159.06	38737.6
359 Rrp0035	519569.7	475698	513036.6	581364.9	497994.6	563918.3
360 Rrp0612	549169.9	507977.7	481150.7	461147.6	474987.4	480736.6
361 Rrp0276	75754.71	100968.6	109549.8	181835.1	123142.3	110305.4
362 Rrp0250	478801.9	698273	576947.9	668085.7	681110.7	599341.6
363 Rrp0189	457103.7	761797.8	567235.7	938053.2	533704.4	597229.7
364 Rrp0208	335902.3	279586.1	286490.9	235774.5	251531.8	289461.3
365 Rrp0257	467617.2	343042.8	702400.7	444316.2	407722.1	431043.1
366 Rrp0133	685554.1	644973.8	756357	708372.5	743217.2	775916.6
367 Rrp0502	73696.21	51816.59	73614.86	28460.61	52609.3	27151.45
368 Rrp0046	2439334	2357044	2255068	2526740	2339604	2380074
369 Rrp0714	7181742	7883724	6761887	8763564	6091457	6376701
370 Rrp0157	143072.1	132272.4	89144.41	104020.7	69435.83	86364.91

371 Rrp0403	54759.78	54537.48	54290.55	31962.33	31417.22	31524.98
372 Rrp0739	45534.47	217751.9	15186.1	50549.7	39573.19	22908.28
373 Rrp0354	25621.49	60952.82	20962.03	77566.37	48159.06	71835.59
374 Rrp0394	15528.43	13307.82	16714.1	33699.4	37111.42	37998.47
375 Rrp0263	53674.82	70299.7	77952.18	37236.75	46039.4	44493.07
376 Rrp0350	66963.39	125766.9	56255.2	163817.3	115588.8	88540.88
377 Rrp0492	919813.6	808845.7	153528.5	435265.2	506779.8	625372.6
378 Rrp0718	22747.63	23741.52	29668.73	40459.32	59151.85	44474.72
379 Rrp0762	44066.02	40074.95	47330.12	65782.95	69269.6	59490.54
380 Rrp0271	473093.3	541992.7	432566.9	510086.3	585857.7	485884.9
381 Rrp0145	213205	211542	184834.3	137661.5	166859.3	204767.8
382 Rrp0395	6525.578	9094.435	7109.017	40612.67	18791.89	29650.94
383 Rrp0067	107685.3	139068.4	116755.7	151788.9	132529.2	154949.2
384 Rrp0407	739193.4	719290	654987.4	867623.2	776427.3	637803.4
385 Rrp0553	3244.95	5356.681	11568.85	27089.17	13586.22	51025.88
386 Rrp0260	8399.219	85351.7	87727.49	25071.35	20769.16	34191.89
387 Rrp0004	176219.6	196050.2	129427.8	139876	144821.1	128699
388 Rrp0343	24524.09	6002.041	2870.651	9324.411	84287.87	34094.42
389 Rrp0287	32154	44632.36	35294.04	56635.73	57251.39	54181.62
390 Rrp0013	103953.4	106689	110708.2	126769.6	124686.1	123378.2
391 Rrp0385	2844.043	2798.941	2097.146	15231.3	18674.55	28644.05
392 Rrp0209	86828.2	98271.42	86197.53	124964	101989.7	104904.4
393 Rrp0073	103042.6	87682.61	69843.68	55773.89	70671.88	69723.76
394 Rrp0256	209690.8	213773.3	238482.2	214240.6	170321	203127
395 Rrp0315	15460.36	23451.95	31295.22	36516.56	49189.53	37207.32
396 Rrp0138	28010.82	25535.15	29391.33	13158.29	12468.27	14155.16
397 Rrp0268	63970.78	49199.53	33859.6	37361.12	5476.781	37578.94
398 Rrp0622	12022.38	14362.45	14818.47	37149.04	24210.78	25584.92
399 Rrp0462	25086.55	30269.33	30781.67	19377.4	14226.46	10422.28
400 Rrp0140	1236256	1539759	973722.5	952552.3	1553326	1011511
401 Rrp0081	12784.63	14794.32	12822.39	24868.06	28987.71	24985.5
402 Rrp0587	29401.58	24408.9	26626.01	12198.95	16106.36	13845.45
403 Rrp0016	1461091	1498951	1434730	1526295	1451390	1498602
404 Rrp0425	3637.521	16020.4	16997.06	23149.82	25931.18	26971.2
405 Rrp0763	26717.35	24472.33	26116.26	11128.51	14213.33	17224.44
406 Rrp0749	42265.89	38617.29	33063.01	45058.28	50522.69	55036.45
407 Rrp0023	306012.9	209417.7	280156.6	237480.4	187193.6	279497.6
408 Rrp0024	80664.85	86902.58	74447.69	79187.58	108292.2	101656.3
409 Rrp0409	502412.4	546968.7	543305.6	504420.2	520440.8	510661.9
410 Rrp0576	17118.45	12519	14905.83	25595.83	29783.37	22773.39
411 Rrp0072	10264240	9415207	7909226	9475990	8801358	8973217
412 Rrp0371	130242.8	172448.6	8633.495	118265.2	141598	140522.5
413 Rrp0657	158002.1	186275.4	150681.9	37702.02	321647.7	20837.19
414 Rrp0539	68859.27	45240.97	50119.89	53839.99	82286.28	72940.22
415 Rrp0500	81987.26	68785.33	64541.95	120646.3	57118.51	93370.76
416 Rrp0494	33967.48	26605.23	22714.48	40670.99	36753.47	35923.09
417 Rrp0767	22012.58	21765.47	16120.78	11489.2	11305.73	10787.8
418 Rrp0286	18222.25	23084.23	18056.46	31727.38	26694.75	26929.15
419 Rrp0601	29163.5	27559.77	264875.2	70094.22	64359.04	82700.2
420 Rrp0599	29015.79	48569.64	30166.78	26405.7	24193.06	23634.06
421 Rrp0093	1275242	1223011	1204668	1464724	1227614	1136109
422 Rrp0501	14260.16	19753.03	62704.01	14932.49	14838.12	20031.77
423 Rrp0338	37579.29	37088.73	31755.22	47034.67	44953.78	39732.85

424 Rrp0225	129361	130028.3	171114	164368	176974.8	139149.7
425 Rrp0631	71196.27	70932.81	78815.41	75369.69	63374.61	50413.79
426 Rrp0179	1927.183	16213.94	5733.5	26737.28	8975.212	18410.64
427 Rrp0101	86608.13	96031.55	106731.5	82544.08	104025.5	65929.22
428 Rrp0279	149409.1	150814.5	148452	327835.5	14493.42	7707.698
429 Rrp0167	381654.6	465610.6	372875.6	391274.6	338394.1	421646.2
430 Rrp0054	18335.84	18864.01	17326.79	10762.2	15371.75	10221.56
431 Rrp0411	24947.46	22696.83	20418.08	16296.52	17774.81	16510.83
432 Rrp0292	8750.963	18628.21	8326.66	19946.95	10930.17	31737.86
433 Rrp0389	135851.7	11053.42	11183.25	31071.59	28049.73	36351.13
434 Rrp0550	122273.3	121448.7	133818.6	175405.5	149324.1	100824.2
435 Rrp0605	13254.26	13358.23	10387.86	17592.61	16852.77	17299.04
436 Rrp0520	74160.69	83951.45	96670.8	72654.48	72950.55	82265.95
437 Rrp0704	30170.02	31158.4	34799.79	26401.04	28437.36	25773.31
438 Rrp0424	6438.997	7259.197	46996.7	52819.5	41680.84	7324.904
439 Rrp0012	1097482	1210026	1023671	1193145	1098853	1106292
440 Rrp0748	23056.01	36967.37	2857.901	37960.44	27830.43	25070.6
441 Rrp0285	19494.94	22209.32	15293.33	22137.82	25839.25	23818.9
442 Rrp0113	245729.7	202212.5	218794.9	229101.3	119958.2	259306.2
443 Rrp0187	155355.4	123252.8	141880	166382.8	130583.3	90363.93
444 Rrp0215	46181.8	34613.7	19278.22	12353.85	25514.6	36532.56
445 Rrp0086	181095.7	164693.8	249967.4	217154.5	171291.4	168300.4
446 Rrp0057	37927.47	31065.63	30814.6	105723.9	16907.06	18531.82
447 Rrp0206	77484.75	73455.3	58654.45	118567.9	46837.47	77792.4
448 Rrp0336	152586.4	180896.2	139463.6	217292.1	146846.6	145889.9
449 Rrp0571	43190.06	36198.01	46676.75	54028.05	43168.23	44771.89
450 Rrp0496	34643.93	35892.93	36880.39	52936.96	38050.49	33683.57
451 Rrp0442	33934.53	38046.87	32819.32	38735.85	37798.44	37858.83
452 Rrp0007	21897.26	22111.95	21347.96	2717.673	20779.61	24689.78
453 Rrp0341	50359.18	47751.96	70347.76	48147.58	85846.83	57225.04
454 Rrp0156	4266.122	31314.76	5656.925	13728	2843.12	6076.757
455 Rrp0049	466195.7	426305.8	411152.8	513276.7	426858.5	402768.1
456 Rrp0022	40379.86	81034.45	84725.22	57776.3	55265.24	69333.11
457 Rrp0473	31566.57	25716.64	31622.45	37400.72	34242.42	28790.16
458 Rrp0382	12779.5	12646.17	12608.8	14332.5	13982.87	15004.1
459 Rrp0486	7743.616	15344.32	11164.33	11689.57	6888.321	6029.877
460 Rrp0397	11654.04	7178.583	6568.366	7965.564	4913.737	4781.482
461 Rrp0524	34595.18	12079	21460.45	9641.65	26492.51	17276.3
462 Rrp0221	510660.4	553899.4	496677.9	453983.8	605451.7	537013.8
463 Rrp0723	52309.21	142662.8	111762.3	96375.82	113327.4	70071.25
464 Rrp0037	158217.9	144309.6	121514.3	192346.1	103169.8	101945
465 Rrp0401	14875.9	14560.31	14710.05	11456.25	11053.81	14913.08
466 Rrp0362	15515.97	14165.28	11533.92	10076.88	10945.11	13105.77
467 Rrp0560	6815.611	3417.51	4059.673	16179.48	2918.327	5868.13
468 Rrp0393	22798.84	28432.16	33046	28627.71	30015.27	34963.41
469 Rrp0325	19411.77	14835.85	99149.21	134029.4	19087.29	16922.61
470 Rrp0128	104207.3	103749.6	101003.9	127654.6	94801.53	102009.4
471 Rrp0463	543075.4	486195.4	452933	461549.7	478770.3	567481.1
472 Rrp0468	22838.93	20268.66	26665.74	12299.56	18271.47	28364.96
473 Rrp0043	441366	44380.66	43559.5	234644	20588.59	220984.2
474 Rrp0769	25958.99	27553.35	24902.5	24171.23	29163.22	18187.96
475 Rrp0588	3050776	3514658	2802401	3098178	3149580	3060656
476 Rrp0353	1080.86	636.525	2121.958	4050.8	1359.811	2181.14

477 Rrp0284	95177.41	117501.1	84902.32	106091.7	89256.98	112070.5
478 Rrp0146	96492.23	111584.4	98172.72	134256	147911.7	10062.82
479 Rrp0604	18493.27	12085.06	19255.41	13413.62	14952.9	16460.5
480 Rrp0776	16078.15	14779.47	18175.39	14452.46	14048.55	16811.86
481 Rrp0314	23636.32	50862.19	48444.13	28669.34	63796.76	20629.83
482 Rrp0435	13114.83	23098.93	12271.96	5659.962	22824.78	13325.08
483 Rrp0056	27125.94	27688.18	25102.95	26195.95	28091.48	28434.37
484 Rrp0729	48080.94	7544.697	49428.22	35103.94	36630.1	24326.84
485 Rrp0224	24148.24	19938.78	21115.26	10629.69	9626.516	36024.51
486 Rrp0360	17241.01	21029.69	10582.22	14684.75	13687.37	16222.27
487 Rrp0430	29141.15	94675.9	70088.87	55070.09	95566.68	53815.94
488 Rrp0616	210200	215774.9	205350.2	215458.7	213223.3	198484
489 Rrp0357	2287071	227972.5	137539	2335093	307918.3	144121.8
490 Rrp0295	8285.525	2056.534	23752.17	8948.707	18321.83	12304.02
491 Rrp0398	44978.17	43557.67	44287.82	44532.82	43915.24	42916.22
492 Rrp0693	171687.9	15680.29	94045.17	114377.3	87236.83	93199.95
493 Rrp0506	16058.54	2746.378	963.2025	5605.825	9264.495	8390.718
494 Rrp0372	14829.28	14904.66	16699.97	17997.59	12015.9	14432.27
495 Rrp0700	40143.92	33397.07	18177.05	43101	16471.07	27548.92
496 Rrp0374	69313.6	79725.99	29297.58	67631.34	87124.56	32542.89
497 Rrp0118	215836.3	214270.3	21725.92	366572.8	42116.95	36310.2
498 Rrp0144	54349.05	46780.11	40345.1	118972.4	16068.34	15907.73
499 Rrp0375	10519.06	19873.32	15853.66	11310.64	15524.07	17037.58
500 Rrp0370	772466.7	892298.6	765745.2	828140.5	844110.2	766490.7
501 Rrp0120	749401.9	520928.8	442021.8	912129	553547.8	261125.7
502 Rrp0335	14803.83	11562.88	10941.47	14280.9	13041.14	11023.14
503 Rrp0291	8519.708	14514.22	25864.95	18244.58	13626.22	18009.44
504 Rrp0487	12853.65	13346.84	13948	10690.79	14567.56	14724.86
505 Rrp0089	11887.01	15697.48	17246.35	13521.3	15767.25	15497.26

control_me	case_mean	log2FoldCh	Pvalue	padj	vip	regulate
7.71E+08	1.62E+08	-2.24758	0.000106	0.000925	6.364541	Down
1.35E+09	7.7E+08	-0.80688	2.51E-05	0.00046	6.21593	Normal
1.36E+09	7.97E+08	-0.77081	8.84E-05	0.000827	6.13789	Normal
1.31E+09	7.6E+08	-0.78806	0.000154	0.001134	6.074492	Normal
1.29E+09	7.82E+08	-0.7229	3.18E-05	0.000482	5.835124	Normal
4.65E+08	76710657	-2.60107	7.45E-05	0.000768	5.085209	Down
4.26E+08	70719697	-2.58969	2.56E-07	3.23E-05	4.879561	Down
1.26E+09	9.04E+08	-0.47654	0.001046	0.00425	4.816846	Normal
1.24E+09	8.96E+08	-0.46556	6.61E-05	0.00071	4.776994	Normal
5.28E+08	8.34E+08	0.659036	0.000313	0.00184	4.481758	Normal
1.19E+09	9.29E+08	-0.35085	0.000319	0.00185	4.117427	Normal
6.03E+08	8.14E+08	0.431988	0.003276	0.010335	3.676809	Normal
76460778	2.2E+08	1.526766	5.57E-05	0.000657	3.086916	Up
66343390	2.05E+08	1.62461	1.15E-05	0.000336	3.035505	Up
2.72E+08	1.48E+08	-0.87276	0.000183	0.00125	2.861128	Normal
9.95E+08	8.81E+08	-0.17639	0.012343	0.026867	2.640331	Normal
18534444	1.23E+08	2.727255	0.000216	0.001435	2.618801	Up
8.58E+08	7.52E+08	-0.19014	0.004472	0.012688	2.599741	Normal
1.05E+09	1.16E+09	0.142254	0.022502	0.044738	2.541854	Normal
1.14E+08	18365406	-2.63192	0.00044	0.002341	2.508392	Down
9.58E+08	8.79E+08	-0.12545	0.011451	0.025034	2.200757	Normal
12473493	84352248	2.757561	1.35E-05	0.00034	2.18838	Up
1.43E+08	2.12E+08	0.570587	0.003315	0.010335	2.1095	Normal
3.09E+08	2.4E+08	-0.36975	0.006831	0.017423	2.09914	Normal
1.26E+08	1.97E+08	0.638897	0.009333	0.021522	2.093866	Normal
1.07E+08	43692937	-1.29092	5.60E-05	0.000657	2.054289	Down
2.03E+08	1.38E+08	-0.55759	0.008277	0.019904	2.016243	Normal
1E+08	43462642	-1.20511	0.000399	0.002167	1.938287	Down
63189123	8608521	-2.87584	6.54E-06	0.000254	1.911234	Down
1.48E+08	2.02E+08	0.447251	0.007566	0.018729	1.825301	Normal
8.47E+08	8.98E+08	0.083017	0.000917	0.003881	1.807742	Normal
8.11E+08	8.65E+08	0.093529	0.021423	0.043101	1.784346	Normal
2.05E+08	1.49E+08	-0.45974	0.049404	0.083722	1.73386	Normal
2.29E+08	2.79E+08	0.283981	0.023698	0.046386	1.693922	Normal
8826408	46616820	2.400952	0.000383	0.002139	1.571971	Up
65320951	28782668	-1.18235	0.000605	0.002923	1.549418	Down
50453496	14783058	-1.77101	0.000501	0.002531	1.532205	Down
1.39E+08	1.76E+08	0.340044	0.025134	0.048261	1.446973	Normal
16406096	38940661	1.247045	0.000476	0.002454	1.216658	Up
1.35E+08	1.59E+08	0.233242	0.02951	0.054861	1.159785	Normal
3351928	20406165	2.605942	1.59E-06	0.0001	1.06889	Up
25391225	8740744	-1.5385	0.000145	0.00111	1.052752	Down
2.13E+08	1.9E+08	-0.16645	0.14159	0.210302	1.029442	Normal
1.24E+08	1.47E+08	0.244287	0.181282	0.25788	0.983795	Normal
42909814	58361930	0.44372	0.007821	0.019174	0.975582	Normal
14905948	1267661	-3.55565	5.19E-06	0.000219	0.95497	Down
3431672	17798648	2.374784	0.005399	0.014658	0.945655	Up
24493357	11456805	-1.09619	6.14E-05	0.000689	0.93137	Down
7215882	20333321	1.494598	0.000244	0.001519	0.929906	Up
1.31E+08	1.44E+08	0.142113	0.007995	0.01941	0.921626	Normal
7422833	19066342	1.360986	0.000109	0.000932	0.879459	Up
4594167	15102951	1.716955	0.000157	0.001134	0.833049	Up

7295700	17604940	1.270862	0.000131	0.001064	0.825887	Up
665469.8	10609590	3.994852	2.21E-05	0.00046	0.812926	Up
4217284	14384796	1.770159	0.006753	0.017312	0.803971	Up
17122539	27162789	0.665735	0.003187	0.010124	0.797658	Normal
57405234	66987382	0.222707	0.000364	0.002065	0.79628	Normal
15566568	25426548	0.707885	0.003452	0.010501	0.786736	Normal
6313211	15550048	1.300473	0.000153	0.001134	0.78464	Up
6932835	15749058	1.183748	0.000119	0.001001	0.764935	Up
25487202	34278405	0.427527	0.00039	0.002139	0.762689	Normal
1685263	10439418	2.630996	0.000346	0.001987	0.759184	Up
4753402	13172072	1.47045	0.000491	0.002504	0.742847	Up
11382789	3200561	-1.83046	1.33E-05	0.00034	0.739484	Down
14991371	23665610	0.65866	0.012751	0.027519	0.73488	Normal
8178836	16394621	1.003255	0.001125	0.004427	0.732806	Up
4.21E+08	4.77E+08	0.179767	0.773842	0.825391	0.730761	Normal
3193519	11377905	1.833016	0.001799	0.006352	0.727117	Up
96101583	1.06E+08	0.136617	0.056247	0.092826	0.705877	Normal
23715005	31386533	0.404346	0.002811	0.009278	0.703113	Normal
14961447	22913476	0.614947	0.009693	0.02195	0.696647	Normal
9097781	16490144	0.858017	0.000689	0.003108	0.694021	Normal
684517.2	7495249	3.452818	1.20E-05	0.000336	0.674216	Up
1258246	7962415	2.661792	1.02E-06	7.66E-05	0.670659	Up
7673523	1203606	-2.67253	8.84E-05	0.000827	0.656652	Down
4.61E+08	5.08E+08	0.140813	0.806809	0.852815	0.653191	Normal
3106734	9571192	1.6233	0.000558	0.002763	0.651912	Up
15308027	22237065	0.538678	0.009606	0.021851	0.651558	Normal
29623072	36258583	0.291601	0.006647	0.017258	0.646586	Normal
30739315	23635851	-0.37911	0.030198	0.055862	0.644933	Normal
12264759	5914869	-1.0521	0.001333	0.004988	0.642888	Down
11776030	4140623	-1.50793	0.046492	0.079051	0.642878	Normal
15611565	22243068	0.510741	0.010384	0.023204	0.633897	Normal
1587780	7529984	2.245636	9.81E-06	0.00033	0.629981	Up
9479278	15498008	0.709234	0.004598	0.012971	0.618836	Normal
28849177	23291928	-0.3087	0.007102	0.017842	0.593029	Normal
956961	6301026	2.719055	0.003338	0.010342	0.586344	Up
43019267	34963083	-0.29915	0.187216	0.263354	0.585269	Normal
820950.6	5973089	2.86311	0.00022	0.001441	0.582941	Up
19474574	13959644	-0.48033	0.01905	0.039428	0.573221	Normal
7564774	12683284	0.745559	0.002417	0.008137	0.569556	Normal
6487550	11684548	0.848856	0.005539	0.014799	0.5683	Normal
5814515	11042735	0.925367	0.009436	0.021635	0.56572	Normal
1027405	5913225	2.52494	0.002019	0.006984	0.560209	Up
35856.06	4760199	7.052661	6.40E-05	0.000702	0.560098	Up
25426737	20454003	-0.31396	0.009468	0.021635	0.555626	Normal
1983979	6539937	1.72088	7.87E-05	0.00078	0.549664	Up
7078903	2770749	-1.35325	0.000122	0.001007	0.535459	Down
12423661	16733795	0.429674	0.000539	0.002696	0.533862	Normal
2593280	6828221	1.396732	0.006664	0.017258	0.519624	Up
2207579	6376547	1.53031	0.00405	0.011864	0.515927	Up
5505269	1569883	-1.81016	0.002453	0.008205	0.505266	Down
5458718	1649691	-1.72637	7.83E-05	0.00078	0.504369	Down
14608711	18634655	0.351159	0.003742	0.011115	0.503986	Normal
33631544	28929647	-0.21727	0.065043	0.1063	0.500072	Normal

4910163	1427196	-1.78259	3.08E-05	0.000482	0.482546	Down
3237298	6693177	1.047901	0.000667	0.003068	0.474788	Up
907186.6	4280994	2.238475	2.39E-05	0.00046	0.474255	Up
30236926	34572098	0.193297	0.08366	0.134979	0.468899	Normal
1370379	4732946	1.788163	0.001096	0.004356	0.467431	Up
1359830	4431178	1.704264	0.000461	0.00242	0.449574	Up
16740439	20418741	0.286557	0.050482	0.084978	0.441189	Normal
21447259	24362749	0.183884	0.002878	0.009335	0.431769	Normal
13605965	16657587	0.29194	0.03076	0.056283	0.412603	Normal
2487493	17361.02	-7.1627	6.28E-09	3.17E-06	0.406906	Down
5142360	2712819	-0.92264	5.98E-05	0.000686	0.401945	Normal
1876744	4326841	1.205082	0.001504	0.00542	0.401214	Up
2392530	4775359	0.997072	3.20E-05	0.000482	0.399254	Normal
1891567	4242697	1.165399	4.41E-05	0.000557	0.396342	Up
3374232	1046003	-1.68967	7.96E-07	7.66E-05	0.395229	Down
1285656	3610359	1.489638	3.29E-05	0.000482	0.394645	Up
1350530	3672076	1.44307	0.000239	0.001511	0.391683	Up
44198136	40866437	-0.11307	0.13466	0.201193	0.391206	Normal
249682.8	2567012	3.361922	0.000386	0.002139	0.389809	Up
567995.8	2885731	2.344984	0.000625	0.002923	0.389396	Up
1147127	3262053	1.507755	0.001296	0.004922	0.369639	Up
216730.5	2256014	3.379802	0.000134	0.001072	0.367345	Up
787445.4	2956116	1.908451	0.007346	0.018365	0.364028	Up
3125958	1167046	-1.42144	0.000414	0.002224	0.358498	Down
7476730	5271844	-0.5041	0.023692	0.046386	0.357865	Normal
17102.7	2522001	7.204201	0.118209	0.18035	0.349087	Normal
2384751	4269522	0.840236	0.001161	0.00451	0.348539	Normal
327528.9	2122603	2.696141	0.000143	0.00111	0.344732	Up
376614.5	2132100	2.501114	3.44E-05	0.000482	0.342125	Up
7.32E+08	7.27E+08	-0.01073	0.518904	0.606589	0.339463	Normal
3330300	1589660	-1.06693	0.00199	0.006931	0.335968	Down
7731973	5996907	-0.36662	0.008728	0.020406	0.329707	Normal
3736928	2131926	-0.8097	8.14E-05	0.00079	0.32636	Normal
4540984	6407660	0.496793	0.039843	0.069622	0.319002	Normal
14738913	12748140	-0.20934	0.090398	0.14401	0.317038	Normal
2060625	630879.7	-1.70764	0.000619	0.002923	0.306572	Down
4646468	3232331	-0.52356	0.00107	0.004289	0.30421	Normal
3118114	1731210	-0.84889	0.000746	0.003333	0.301361	Normal
4562679	3182847	-0.51956	0.000757	0.003356	0.301228	Normal
977352.8	2754973	1.495087	0.160256	0.230568	0.287839	Normal
174726.3	1450250	3.053133	0.000599	0.002923	0.287837	Up
3904117	5827104	0.577783	0.147875	0.216455	0.285421	Normal
4697695	3501223	-0.42409	2.58E-05	0.00046	0.283246	Normal
421916.7	1646884	1.964709	0.003086	0.009926	0.278007	Up
11700084	13617392	0.218932	0.235412	0.319577	0.271559	Normal
2477016	1384338	-0.83941	0.001343	0.004988	0.26723	Normal
1249776	203293.9	-2.62003	0.000231	0.001479	0.263465	Down
192255.3	1413851	2.878535	0.034547	0.061647	0.260453	Normal
4028443	5150201	0.354407	0.02	0.040725	0.258516	Normal
8563759	9886081	0.207154	0.101148	0.157654	0.252687	Normal
11073021	9518863	-0.21819	0.209681	0.288525	0.250221	Normal
387206.6	1321709	1.771229	3.36E-05	0.000482	0.250162	Up
4235067	3158681	-0.42306	0.030668	0.056283	0.249829	Normal

5495590	4472355	-0.29724	0.014985	0.031664	0.249179	Normal
2302229	1324328	-0.79777	0.006737	0.017312	0.248225	Normal
4380957	5511750	0.331264	0.058076	0.095532	0.2467	Normal
281605.5	1261787	2.163721	0.018253	0.03809	0.244915	Up
1532568	590028.7	-1.37709	0.004271	0.012324	0.244687	Down
941584.3	58417.56	-4.01062	0.000465	0.00242	0.240931	Down
2094734	372470.8	-2.49157	0.334378	0.428581	0.23754	Normal
908613.4	75724.26	-3.58484	2.48E-05	0.00046	0.235853	Down
2.44E+08	2.49E+08	0.027219	0.720571	0.782555	0.233096	Normal
37676.51	837581	4.474492	4.47E-06	0.000205	0.231344	Up
2149508	1302255	-0.72299	0.00469	0.013159	0.230991	Normal
1902766	128784.9	-3.88506	0.390459	0.486868	0.229028	Normal
1419356	2222755	0.647113	0.007066	0.017842	0.221769	Normal
1143401	406535	-1.49188	0.000171	0.001206	0.221152	Down
1776910	2538075	0.514364	0.004411	0.012592	0.221133	Normal
3656412	4557431	0.317792	0.044939	0.076929	0.220699	Normal
952012.5	225723.4	-2.07642	0.000622	0.002923	0.21872	Down
538807.6	1351018	1.326205	0.025978	0.049319	0.217139	Up
2797460	3564752	0.349684	0.013026	0.027993	0.215163	Normal
593106	1295684	1.127352	0.004174	0.012114	0.212317	Up
983708.1	304834	-1.69021	9.14E-05	0.000839	0.21209	Down
1144729	1919763	0.745922	0.022074	0.044061	0.211255	Normal
1425694	748330.7	-0.92992	0.000622	0.002923	0.21052	Normal
750840.9	1495285	0.993841	0.041321	0.071463	0.206932	Normal
5284747	6140142	0.216438	0.084	0.135095	0.203962	Normal
2296223	1592963	-0.52755	0.024678	0.047749	0.202529	Normal
3576152	4339313	0.279059	0.053482	0.088552	0.202351	Normal
1912922	1205213	-0.66649	0.032025	0.058099	0.20056	Normal
315065.9	964631.5	1.614325	0.007428	0.018479	0.199954	Up
1824438	2514396	0.462759	0.026801	0.050502	0.198692	Normal
600876.4	34178.05	-4.13593	2.64E-05	0.00046	0.194433	Down
13601794	12482435	-0.1239	0.306755	0.397208	0.193224	Normal
975982.6	422445.9	-1.20809	0.000105	0.000925	0.192192	Down
1195707	661821.1	-0.85335	2.05E-05	0.000451	0.188867	Normal
495119.5	1048410	1.082355	0.001909	0.006694	0.1882	Up
1155686	1701376	0.557953	0.008433	0.019949	0.185708	Normal
757281.4	229076.4	-1.725	0.000996	0.004121	0.185587	Down
3644565	4236487	0.217122	0.027614	0.05184	0.182668	Normal
35778925	37471179	0.066671	0.591038	0.670729	0.182464	Normal
1153690	611968.9	-0.91473	0.028621	0.053531	0.177759	Normal
32273.2	493887.3	3.935773	8.61E-06	0.000311	0.175549	Up
1.15E+08	1.17E+08	0.026271	0.655927	0.73122	0.174264	Normal
2075921	1589836	-0.38487	0.008525	0.020025	0.173438	Normal
540869.1	95581.01	-2.50048	1.06E-06	7.66E-05	0.172758	Down
767399.1	316025.7	-1.27994	0.001275	0.004876	0.171082	Down
2869333	3362362	0.22876	0.026077	0.049322	0.170348	Normal
673500.8	238509.1	-1.49764	0.000668	0.003068	0.169351	Down
285949.6	830031	1.537404	0.068938	0.112303	0.167934	Normal
6231921	6946146	0.156536	0.203442	0.281474	0.166083	Normal
664442.2	1092676	0.71765	0.004755	0.013219	0.165072	Normal
1435357	1881605	0.390554	0.025327	0.048265	0.163547	Normal
19572464	20973823	0.099764	0.560006	0.642734	0.16304	Normal
3564709	4083594	0.196055	0.117726	0.180156	0.154891	Normal

347132.3	707465.3	1.027174	0.000846	0.003652	0.152901	Up
3501587	4055450	0.211853	0.193473	0.270913	0.150766	Normal
426546.2	87712.19	-2.28185	7.22E-05	0.00076	0.150271	Down
519739.5	179024	-1.53764	0.000938	0.003915	0.149352	Down
791769.1	1126768	0.509039	0.004879	0.013465	0.146764	Normal
2923098	3356292	0.19937	0.093614	0.148198	0.146435	Normal
966970.3	397290.7	-1.28328	0.276502	0.361745	0.146027	Normal
4036908	3652130	-0.14451	0.038253	0.06731	0.145557	Normal
777335.8	87244.68	-3.1554	0.353599	0.449792	0.144658	Normal
1087722	1439748	0.404506	0.029549	0.054861	0.142629	Normal
1878150	2196793	0.226087	0.005807	0.015353	0.142263	Normal
1468876	530047.8	-1.47052	0.524992	0.60859	0.142143	Normal
626975.2	318715	-0.97614	0.001465	0.005324	0.141665	Normal
226283	581367.6	1.361322	0.035753	0.063575	0.141195	Normal
1666286	737636.1	-1.17565	0.524155	0.60859	0.140265	Normal
1457467	1157238	-0.33278	0.003142	0.010043	0.137758	Normal
190594.3	483143.7	1.341947	0.001047	0.00425	0.137323	Up
469936.9	204661.4	-1.19923	0.000258	0.001591	0.132341	Down
75086.57	339736	2.177787	0.001441	0.005302	0.131312	Up
110212.7	679843.7	2.624913	0.360406	0.456153	0.128738	Normal
1386001	1658175	0.258668	0.019282	0.039583	0.127868	Normal
319946.8	594703.2	0.894338	0.023303	0.045984	0.127807	Normal
693198.9	950713.3	0.455741	0.007013	0.017797	0.12732	Normal
996409.4	744127.5	-0.42119	0.00843	0.019949	0.125907	Normal
102552.4	344362.7	1.747567	0.000874	0.003742	0.125001	Up
1932294	2300401	0.251571	0.184838	0.260736	0.124177	Normal
516277.5	279037.3	-0.88769	0.003487	0.010543	0.123725	Normal
42777.46	274685.3	2.682857	0.000288	0.00173	0.123607	Up
318789.1	84050.04	-1.92328	0.003302	0.010335	0.12345	Down
10429734	11247349	0.108883	0.604129	0.680994	0.1194	Normal
623375.1	398315.7	-0.64619	0.009126	0.021237	0.11751	Normal
2905615	3226185	0.150986	0.178369	0.254453	0.116985	Normal
460679.7	665143.1	0.529901	3.42E-05	0.000482	0.116825	Normal
744258.4	512078.3	-0.53944	0.024147	0.047082	0.11482	Normal
383024.5	156773.7	-1.28875	0.025053	0.048261	0.114793	Down
13882.6	210041.1	3.919322	0.000102	0.000918	0.114602	Up
8857135	9423139	0.089368	0.495551	0.587448	0.114564	Normal
1972715	2531242	0.359663	0.486977	0.578643	0.111811	Normal
356927.2	162647.8	-1.13388	0.005506	0.014799	0.111005	Down
313609.7	124256.5	-1.33565	0.001449	0.005302	0.11075	Down
273251.1	94668.61	-1.52927	0.000689	0.003108	0.108403	Down
324732.6	497485.7	0.615403	0.000172	0.001206	0.106933	Normal
248856.8	73574.15	-1.75804	0.001131	0.004427	0.10682	Down
964950.4	1144744	0.246498	0.005999	0.015778	0.105524	Normal
18802848	18334984	-0.03635	0.525436	0.60859	0.103495	Normal
1015993	1251061	0.300262	0.13524	0.201464	0.10338	Normal
195487.7	38204.01	-2.35528	1.77E-05	0.000406	0.102563	Down
387561.4	197065.4	-0.97575	0.040858	0.07115	0.101764	Normal
4133901	3102191	-0.41422	0.815241	0.856001	0.101465	Normal
225171.7	73708.05	-1.61113	0.000226	0.001462	0.100428	Down
22650.34	173200.4	2.934838	1.63E-05	0.000391	0.10042	Up
703307.3	870497.7	0.307685	0.012585	0.027277	0.100409	Normal
33320.57	185750.7	2.478883	0.004942	0.013565	0.099091	Up

208676.5	405010.4	0.95669	0.086056	0.137526	0.099038	Normal
695216.5	862156.4	0.310487	0.050684	0.085035	0.096641	Normal
99921.12	242237.8	1.277563	0.002202	0.007512	0.096416	Up
866940.3	685420.7	-0.33894	0.095177	0.150202	0.095555	Normal
95534.38	236210.3	1.30598	0.00134	0.004988	0.095527	Up
172524.9	36372	-2.2459	4.12E-06	0.000205	0.095497	Down
733917.9	916526.9	0.320558	0.081697	0.132233	0.094543	Normal
822846.3	1005214	0.288807	0.103162	0.160298	0.094438	Normal
841709.1	1001904	0.251351	0.034411	0.061622	0.094071	Normal
236918.1	375003.4	0.662515	0.003433	0.010501	0.09357	Normal
409714	551789.3	0.4295	0.019625	0.040124	0.092049	Normal
414076.8	184907.6	-1.16309	0.266828	0.352743	0.091558	Normal
29335.9	238561.8	3.023624	0.197033	0.273356	0.090316	Normal
62726.01	183744.6	1.550566	4.08E-05	0.000528	0.089876	Up
73155.85	199207.5	1.445227	0.00167	0.005938	0.089798	Up
3031427	3279142	0.113321	0.358774	0.455229	0.087848	Normal
158893	44254.9	-1.84415	0.000136	0.001077	0.087271	Down
180854.3	360969.3	0.997048	0.1586	0.228837	0.087106	Normal
182880.2	68656.61	-1.41343	0.000157	0.001134	0.086937	Down
65146.68	177898.8	1.449294	5.55E-05	0.000657	0.086447	Up
43833.3	281926	2.685217	0.329753	0.423729	0.08626	Normal
376199.4	204643.5	-0.87838	0.146677	0.215326	0.086003	Normal
244439.7	358740.6	0.553462	0.011265	0.024842	0.083817	Normal
204789.1	97178.24	-1.07543	0.008098	0.019567	0.081839	Down
146959.2	251902.2	0.777448	0.003422	0.010501	0.08142	Normal
215180.8	314204	0.546152	0.001513	0.00542	0.080658	Normal
1327349	1456486	0.133944	0.08441	0.135324	0.080565	Normal
332737.7	447001.2	0.425894	0.037141	0.065582	0.080477	Normal
405241.6	301610.9	-0.42609	0.018748	0.038962	0.079234	Normal
5403337	4935715	-0.13059	0.711394	0.775927	0.078017	Normal
134317.5	42673.38	-1.65424	0.000183	0.00125	0.077887	Down
39164.07	200013.9	2.352497	0.349904	0.446216	0.074683	Normal
208223.4	123252.2	-0.75652	0.005712	0.015181	0.073404	Normal
234875.1	54806	-2.09949	0.419995	0.5148	0.07075	Normal
96965.18	178586.5	0.881085	0.00929	0.02152	0.070437	Normal
98811.28	18366.62	-2.42759	0.014061	0.029834	0.06993	Down
204758.1	300553.8	0.553703	0.114557	0.176915	0.067703	Normal
32346.69	100676.4	1.638035	0.000266	0.001617	0.067464	Up
599441.3	482248.1	-0.31384	0.223936	0.305642	0.067012	Normal
229606.3	116818.2	-0.9749	0.229594	0.31252	0.067006	Normal
90317.56	160390.7	0.828512	0.002836	0.009299	0.066789	Normal
747252.1	661407.1	-0.17606	0.058486	0.095894	0.066472	Normal
195046.4	265806.5	0.446559	0.007759	0.019114	0.06612	Normal
368708.8	446062.6	0.274764	0.039364	0.069024	0.065899	Normal
14341.27	80032.94	2.480421	0.00083	0.003611	0.065888	Up
304469.1	226815.7	-0.42478	0.034377	0.061622	0.065786	Normal
136322.6	202562	0.571339	0.003598	0.010753	0.065493	Normal
86380.53	174575.4	1.015073	0.114098	0.176747	0.065131	Normal
311941	389049.1	0.318679	0.050945	0.08519	0.063978	Normal
16000.44	76951.4	2.265836	2.13E-06	0.00012	0.063894	Up
108645.4	46867.83	-1.21296	0.00209	0.007181	0.063414	Down
128458.4	63202.57	-1.02325	0.015127	0.03183	0.062741	Down
148561.5	87157.87	-0.76936	0.008321	0.019915	0.061569	Normal

11220.74	67056.12	2.579201	4.97E-08	8.37E-06	0.061162	Up
201941.3	285021.8	0.497136	0.163321	0.234311	0.060376	Normal
106302.3	48802.1	-1.12316	0.006506	0.017023	0.059865	Down
173815.9	248207	0.513984	0.091684	0.145598	0.059575	Normal
21047.29	108913.1	2.371471	0.253039	0.337163	0.059471	Normal
231625.4	174982.1	-0.40459	0.010211	0.022917	0.059114	Normal
334840.7	412032.5	0.299283	0.122955	0.18535	0.058857	Normal
367194.1	454860	0.30888	0.220236	0.302226	0.057628	Normal
116222.7	61115.05	-0.92729	0.013377	0.028625	0.057592	Normal
16195.84	64729.17	1.998792	1.14E-05	0.000336	0.056987	Up
89326.16	38735.16	-1.20544	0.003867	0.011421	0.05672	Down
1979803	1865634	-0.08569	0.448727	0.540828	0.055671	Normal
43654.89	109925.5	1.332311	0.127444	0.190977	0.05562	Normal
91855.44	42819.49	-1.1011	0.005519	0.014799	0.055354	Down
85227.98	39216.48	-1.11987	3.93E-05	0.000528	0.055281	Down
15727.56	113381.4	2.849817	0.338401	0.43264	0.054693	Normal
47209.03	158011.1	1.742891	0.394288	0.490432	0.054567	Normal
116872.6	70086.87	-0.73772	0.00516	0.014084	0.054513	Normal
16440.28	65304.56	1.989948	0.019178	0.03953	0.054468	Up
59255.59	109424.1	0.884907	0.030986	0.05649	0.053373	Normal
180622.3	120899.9	-0.57916	0.115734	0.178188	0.052503	Normal
164596.7	119386.4	-0.4633	0.017423	0.036509	0.052157	Normal
17988.6	70314.02	1.96673	0.122166	0.184712	0.050932	Normal
133813	79441.66	-0.75225	0.14378	0.212306	0.050347	Normal
48822.16	87536.56	0.84235	0.002804	0.009278	0.049525	Normal
31469.57	74795.37	1.248991	0.030483	0.056182	0.049524	Normal
760917.4	828379.9	0.122553	0.266165	0.352743	0.049174	Normal
139525.1	179619.8	0.364421	0.02427	0.04714	0.048438	Normal
28861.37	63474.05	1.137027	4.06E-05	0.000528	0.04794	Up
334715.7	385970	0.205553	0.155691	0.225283	0.047344	Normal
1967802	2098205	0.092571	0.60195	0.680056	0.047252	Normal
93185.29	171975.2	0.884027	0.417707	0.51324	0.047115	Normal
104768	69729.68	-0.58735	0.004764	0.013219	0.046769	Normal
56833.94	95671.76	0.75134	0.053168	0.088322	0.045341	Normal
139320.4	198381.9	0.509874	0.249252	0.332996	0.045304	Normal
516232.4	420975.4	-0.29428	0.553046	0.636192	0.045232	Normal
64799	95545.35	0.560214	0.000922	0.003881	0.045045	Normal
322996.6	238731.1	-0.43613	0.496758	0.5875	0.04491	Normal
108988.3	73274.56	-0.57279	0.041071	0.071274	0.044504	Normal
24403.21	54858.78	1.168651	0.000773	0.003396	0.044496	Up
15850.22	47004.27	1.568289	0.002884	0.009335	0.044342	Up
502768.1	547759.2	0.123649	0.193663	0.270913	0.04346	Normal
512766.1	472290.5	-0.11863	0.121113	0.18367	0.043456	Normal
95424.38	138427.6	0.536702	0.150742	0.220014	0.043108	Normal
584674.3	649512.7	0.151725	0.396555	0.491527	0.042755	Normal
595379.1	689662.4	0.212082	0.573318	0.656521	0.042683	Normal
300659.8	258922.5	-0.21561	0.15488	0.225283	0.042266	Normal
504353.6	427693.8	-0.23786	0.509177	0.600782	0.042215	Normal
695628.3	742502.1	0.094078	0.28427	0.369991	0.041147	Normal
66375.89	36073.79	-0.87971	0.051419	0.085699	0.041036	Normal
2350482	2415473	0.039349	0.451165	0.542472	0.040476	Normal
7275784	7077241	-0.03992	0.837649	0.870397	0.040196	Normal
121496.3	86607.16	-0.48835	0.144349	0.212526	0.039531	Normal

54529.27	31634.84	-0.78552	4.65E-08	8.37E-06	0.039178	Normal
92824.15	37677.06	-1.30081	0.434711	0.527714	0.038081	Normal
35845.45	65853.67	0.877474	0.125044	0.187939	0.037864	Normal
15183.45	36269.76	1.256268	0.000215	0.001435	0.037427	Up
67308.9	42589.74	-0.66029	0.032098	0.058099	0.037417	Normal
82995.17	122649	0.563436	0.268005	0.353375	0.037345	Normal
627395.9	522472.5	-0.26402	0.691021	0.758187	0.037123	Normal
25385.96	48028.63	0.919864	0.02038	0.041179	0.036354	Normal
43823.7	64847.7	0.565344	0.004064	0.011864	0.03624	Normal
482550.9	527276.3	0.127878	0.365876	0.461918	0.036142	Normal
203193.8	169762.8	-0.25934	0.194794	0.271743	0.036041	Normal
7576.343	29685.17	1.970169	0.025274	0.048265	0.035925	Up
121169.8	146422.4	0.273107	0.096334	0.151141	0.035804	Normal
704490.2	760618	0.110592	0.47623	0.569896	0.034973	Normal
6723.493	30567.09	2.184696	0.100941	0.157654	0.034944	Normal
60492.8	26677.47	-1.18114	0.268757	0.353444	0.034545	Normal
167232.5	137798.7	-0.27929	0.221009	0.302464	0.034145	Normal
11132.26	42568.9	1.935053	0.244543	0.329318	0.034009	Normal
37360.13	56022.92	0.584517	0.008454	0.019949	0.033995	Normal
107116.9	124944.6	0.222103	0.001252	0.004828	0.033993	Normal
2580.044	20849.97	3.014578	0.010541	0.023389	0.03386	Up
90432.38	110619.4	0.290693	0.069973	0.113622	0.032283	Normal
86856.3	65389.85	-0.40956	0.116125	0.178247	0.031785	Normal
220648.8	195896.2	-0.17166	0.195856	0.272472	0.031571	Normal
23402.51	40971.14	0.807945	0.046081	0.078618	0.030862	Normal
27645.76	13260.58	-1.05991	0.000305	0.001814	0.030803	Down
49009.97	26805.61	-0.87054	0.181859	0.257974	0.030122	Normal
13734.44	28981.58	1.077339	0.022042	0.044061	0.029797	Up
28712.52	14675.38	-0.96828	0.011425	0.025034	0.029484	Normal
1249912	1172463	-0.09228	0.773572	0.825391	0.02946	Normal
13467.11	26280.42	0.964548	0.001052	0.00425	0.02884	Normal
26812.16	14050.25	-0.93229	0.002248	0.007619	0.02874	Normal
1464924	1492096	0.026514	0.397854	0.491527	0.028419	Normal
12218.33	25350.73	1.052981	0.041879	0.07218	0.027149	Normal
25768.65	14188.76	-0.86087	0.003549	0.010668	0.027007	Normal
37982.07	50205.81	0.402536	0.035984	0.063762	0.026511	Normal
265195.7	234723.9	-0.17609	0.481533	0.573524	0.026333	Normal
80671.71	96378.68	0.256651	0.17403	0.248966	0.026112	Normal
530895.6	511841	-0.05273	0.27345	0.358681	0.026057	Normal
14847.76	26050.86	0.811086	0.00997	0.022476	0.025982	Normal
9196224	9083522	-0.01779	0.882831	0.909856	0.024785	Normal
103775	133461.9	0.362969	0.5824	0.662415	0.024278	Normal
164986.5	126729	-0.3806	0.716647	0.779972	0.024025	Normal
54740.04	69688.83	0.348331	0.247189	0.331996	0.023654	Normal
71771.51	90378.54	0.332569	0.385909	0.482386	0.023549	Normal
27762.4	37782.52	0.444587	0.050032	0.084502	0.023206	Normal
19966.28	11194.24	-0.83481	0.01056	0.023389	0.023204	Normal
19787.65	28450.43	0.52385	0.020386	0.041179	0.022587	Normal
107199.5	72384.49	-0.56655	0.682296	0.750799	0.022442	Normal
35917.4	24744.27	-0.53759	0.155337	0.225283	0.022094	Normal
1234307	1276149	0.048095	0.69762	0.76255	0.021894	Normal
32239.07	16600.8	-0.95756	0.367605	0.462943	0.021713	Normal
35474.41	43907.1	0.307676	0.042149	0.072399	0.021357	Normal

143501.1	160164.2	0.158489	0.400485	0.49328	0.020939	Normal
73648.16	63052.7	-0.22409	0.238561	0.322984	0.02075	Normal
7958.207	18041.04	1.180767	0.205493	0.283535	0.020372	Normal
96457.04	84166.28	-0.19664	0.379967	0.477322	0.019904	Normal
149558.5	116678.9	-0.35817	0.771077	0.825391	0.019802	Normal
406713.6	383771.7	-0.08377	0.581244	0.662415	0.019639	Normal
18175.55	12118.5	-0.58479	0.023311	0.045984	0.018998	Normal
22687.46	16860.72	-0.42823	0.013668	0.029124	0.018829	Normal
11901.94	20871.66	0.810348	0.263504	0.350184	0.018821	Normal
52696.14	31824.15	-0.72758	0.642592	0.71794	0.018639	Normal
125846.9	141851.3	0.17271	0.511084	0.601626	0.017751	Normal
12333.45	17248.14	0.483864	0.007869	0.019196	0.017499	Normal
84927.65	75957	-0.16105	0.283083	0.369397	0.017434	Normal
32042.74	26870.57	-0.25397	0.033206	0.059889	0.017259	Normal
20231.63	33941.75	0.746448	0.513539	0.60171	0.016614	Normal
1110393	1132763	0.028776	0.736739	0.795454	0.016318	Normal
20960.43	30287.16	0.531038	0.430577	0.523955	0.015772	Normal
18999.2	23931.99	0.333002	0.096371	0.151141	0.015612	Normal
222245.7	202788.6	-0.13218	0.682409	0.750799	0.015383	Normal
140162.7	129110	-0.1185	0.667128	0.738815	0.01425	Normal
33357.91	24800.34	-0.42767	0.459497	0.551178	0.014233	Normal
198585.6	185582.1	-0.0977	0.692127	0.758187	0.014064	Normal
33269.23	47054.26	0.500137	0.663894	0.738472	0.013823	Normal
69864.83	81065.92	0.214529	0.630596	0.707669	0.01379	Normal
157648.7	170009.5	0.108902	0.666512	0.738815	0.013238	Normal
42021.61	47322.72	0.171402	0.311195	0.401927	0.013126	Normal
35805.75	41557.01	0.2149	0.382217	0.478957	0.012599	Normal
34933.57	38131.04	0.126352	0.119354	0.181547	0.012325	Normal
21785.72	16062.35	-0.4397	0.445551	0.538286	0.011774	Normal
56152.96	63739.82	0.182833	0.601939	0.680056	0.011329	Normal
13745.93	7549.291	-0.86459	0.544434	0.627715	0.011255	Normal
434551.4	447634.4	0.042794	0.743799	0.800892	0.011187	Normal
68713.18	60791.55	-0.17672	0.622045	0.699627	0.011183	Normal
29635.22	33477.77	0.17589	0.294516	0.382341	0.011084	Normal
12678.16	14439.82	0.187708	0.004414	0.012592	0.01066	Normal
11417.42	8202.588	-0.47709	0.31735	0.408831	0.010415	Normal
8466.997	5886.928	-0.52434	0.248321	0.332631	0.009979	Normal
22711.54	17803.49	-0.35127	0.579363	0.661942	0.009978	Normal
520412.6	532149.8	0.032177	0.815319	0.856001	0.009944	Normal
102244.8	93258.16	-0.13272	0.774724	0.825391	0.009937	Normal
141347.3	132487	-0.09339	0.794256	0.84327	0.009771	Normal
14715.42	12474.38	-0.23836	0.142121	0.210473	0.009763	Normal
13738.39	11375.92	-0.27223	0.184664	0.260736	0.009754	Normal
4764.265	8321.978	0.804673	0.43991	0.532745	0.009537	Normal
28092.33	31202.13	0.151468	0.428355	0.52251	0.009491	Normal
44465.61	56679.78	0.350144	0.809312	0.853241	0.009359	Normal
102986.9	108155.2	0.070641	0.633176	0.708989	0.009099	Normal
494067.9	502600.4	0.024702	0.849171	0.876956	0.00906	Normal
23257.78	19645.33	-0.24353	0.513401	0.60171	0.008502	Normal
176435.4	158738.9	-0.15248	0.911448	0.931743	0.007928	Normal
26138.28	23840.8	-0.13273	0.520418	0.606954	0.007633	Normal
3122612	3102804	-0.00918	0.929495	0.944456	0.007467	Normal
1279.781	2530.584	0.983573	0.241179	0.325656	0.006845	Normal

99193.62	102473.1	0.046925	0.794844	0.84327	0.006175	Normal
102083.1	97410.15	-0.0676	0.920732	0.939333	0.006129	Normal
16611.25	14942.34	-0.15275	0.531232	0.613895	0.00598	Normal
16344.34	15104.29	-0.11383	0.398088	0.491527	0.005772	Normal
40980.88	37698.64	-0.12044	0.846102	0.875577	0.005407	Normal
16161.91	13936.61	-0.21372	0.732107	0.793378	0.005192	Normal
26639.02	27573.93	0.049764	0.42323	0.517509	0.00519	Normal
35017.95	32020.29	-0.12911	0.843958	0.875152	0.005175	Normal
21734.09	18760.24	-0.21228	0.750441	0.806325	0.004886	Normal
16284.31	14864.8	-0.13158	0.674777	0.745651	0.004371	Normal
64635.31	68150.9	0.07641	0.888433	0.911907	0.003905	Normal
210441.7	209055.3	-0.00954	0.831831	0.866441	0.003833	Normal
884194.3	929044.5	0.071384	0.966193	0.973907	0.003832	Normal
11364.74	13191.52	0.215046	0.807219	0.852815	0.003785	Normal
44274.55	43788.09	-0.01594	0.479526	0.572483	0.003639	Normal
93804.45	98271.36	0.067115	0.926969	0.943789	0.003265	Normal
6589.374	7753.679	0.23474	0.823454	0.860961	0.002977	Normal
15477.97	14815.26	-0.06313	0.737174	0.795454	0.002818	Normal
30572.68	29040.33	-0.07419	0.886671	0.911907	0.002779	Normal
59445.72	62432.93	0.070734	0.899301	0.921191	0.002746	Normal
150610.8	148333.3	-0.02198	0.986524	0.988481	0.002343	Normal
47158.09	50316.17	0.093517	0.931596	0.944691	0.00233	Normal
15415.35	14624.1	-0.07602	0.817184	0.856179	0.002253	Normal
810170.2	812913.8	0.004877	0.956651	0.966218	0.001648	Normal
570784.2	575600.9	0.012123	0.982767	0.986674	0.001512	Normal
12436.06	12781.73	0.039553	0.832126	0.866441	0.001359	Normal
16299.63	16626.75	0.028667	0.953774	0.965242	0.000938	Normal
13382.83	13327.74	-0.00595	0.969554	0.975349	0.000112	Normal
14943.61	14928.6	-0.00145	0.99354	0.99354	2.41E-05	Normal

row	Z.L.1	Z.L.2	Z.L.3	H.L.1	H.L.2	H.L.3
1 Rrp0530	1.74E+09	1.7E+09	1.72E+09	2.11E+08	2.14E+08	1.9E+08
2 Rrp0549	1.28E+09	1.3E+09	1.28E+09	1.59E+08	1.27E+08	1.31E+08
3 Rrp0692	8.17E+08	9.1E+08	8.98E+08	97203366	1.16E+08	97016756
4 Rrp0527	1.05E+09	1.06E+09	1.09E+09	4.83E+08	4.91E+08	3.61E+08
5 Rrp0529	1.01E+09	1.06E+09	1.06E+09	5.03E+08	4.32E+08	4.49E+08
6 Rrp0680	1.32E+09	1.36E+09	1.32E+09	8.1E+08	8.16E+08	8.21E+08
7 Rrp0669	1.33E+09	1.32E+09	1.34E+09	8.14E+08	8.15E+08	8.1E+08
8 Rrp0679	1.28E+09	1.29E+09	1.3E+09	8.09E+08	7.98E+08	7.65E+08
9 Rrp0686	1.25E+09	1.27E+09	1.29E+09	7.76E+08	7.75E+08	7.89E+08
10 Rrp0668	1.3E+09	1.21E+09	1.25E+09	8.09E+08	7.6E+08	8.27E+08
11 Rrp0681	1.27E+09	1.28E+09	1.27E+09	8.33E+08	8.16E+08	8.43E+08
12 Rrp0651	1.25E+08	1.45E+08	1.46E+08	4.63E+08	5.18E+08	4.92E+08
13 Rrp0655	3.49E+08	3.84E+08	3.96E+08	80419264	79508270	77403264
14 Rrp0654	3.52E+08	3.77E+08	3.96E+08	78461266	86643158	69845712
15 Rrp0564	2.95E+08	3E+08	3.29E+08	25014097	25111223	25370085
16 Rrp0673	1.98E+08	2.03E+08	2.06E+08	15784716	16198369	15502624
17 Rrp0664	3.17E+08	3.35E+08	3.18E+08	1.5E+08	1.59E+08	1.51E+08
18 Rrp0538	9.86E+08	9.9E+08	1E+09	1.14E+09	1.15E+09	1.14E+09
19 Rrp0188	7.31E+08	7.4E+08	7.54E+08	6.11E+08	6.15E+08	6.11E+08
20 Rrp0546	1.39E+09	1.4E+09	1.36E+09	1.57E+09	1.49E+09	1.5E+09
21 Rrp0547	1.29E+09	1.41E+09	1.4E+09	1.51E+09	9.89E+08	9.28E+08
22 Rrp0509	1.31E+08	1.45E+08	1.47E+08	31037726	29412056	29260421
23 Rrp0684	73224487	78453762	80504215	1.93E+08	1.96E+08	1.76E+08
24 Rrp0386	1.55E+08	1.53E+08	1.54E+08	2.64E+08	2.65E+08	2.5E+08
25 Rrp0674	69206139	70522504	68170387	1.73E+08	1.57E+08	1.51E+08
26 Rrp0438	87077851	97590268	89675345	1.87E+08	1.95E+08	1.64E+08
27 Rrp0511	22740946	31144485	28707462	1.21E+08	1.24E+08	1.05E+08
28 Rrp0670	73091991	81195738	1.04E+08	1.85E+08	1.77E+08	1.68E+08
29 Rrp0514	18051482	25486680	33278253	1.15E+08	1.14E+08	1.06E+08
30 Rrp0305	6102529	4978351	4264991	98884090	84578319	81140179
31 Rrp0528	2.69E+08	2.89E+08	2.8E+08	2.07E+08	2E+08	1.82E+08
32 Rrp0359	9.6E+08	9.84E+08	9.77E+08	8.92E+08	8.97E+08	9.05E+08
33 Rrp0361	9.62E+08	9.61E+08	9.53E+08	8.64E+08	9.05E+08	8.71E+08
34 Rrp0228	1.64E+08	1.59E+08	1.59E+08	91848158	93433629	81443856
35 Rrp0440	1.1E+08	1.21E+08	98180039	1.68E+08	2.04E+08	1.74E+08
36 Rrp0455	1.19E+08	1.1E+08	1.05E+08	45405018	44589550	45959008
37 Rrp0582	2.96E+08	3.4E+08	3.4E+08	4.09E+08	4.18E+08	3.67E+08
38 Rrp0522	5.31E+08	5.34E+08	5.46E+08	5.97E+08	5.98E+08	6.02E+08
39 Rrp0456	1.12E+08	1.02E+08	93679163	46933473	40486658	44692475
40 Rrp0368	59393415	58343810	66174157	8867175	8838089	7855455
41 Rrp0165	8.52E+08	9.13E+08	9.42E+08	8.67E+08	8.39E+08	7.96E+08
42 Rrp0366	82674353	94445754	90170820	1.42E+08	1.42E+08	1.29E+08
43 Rrp0678	5755486	5558342	5522543	52607278	50919409	54186717
44 Rrp0701	45803106	56484617	57655797	6130318	6346403	6286540
45 Rrp0568	50507579	57883028	57722499	15485463	11724541	13988526
46 Rrp0544	40293979	40125716	39705192	692298.8	866937.6	711541.3
47 Rrp0643	10671860	11966285	12200893	48853974	48701730	50734789
48 Rrp0672	3727708	4137288	4479459	47779075	41434576	36777669
49 Rrp0645	82163930	86205230	87289531	48730840	51099217	48726424
50 Rrp0600	13580625	14652148	14045010	42661736	42762380	40517559
51 Rrp0293	14757551	16683161	17106596	45116227	38904265	39631349
52 Rrp0383	8.64E+08	8.45E+08	8.32E+08	8.82E+08	8.59E+08	8.97E+08

53 Rrp0339	39465530	34228292	41558408	64028158	64017400	60902700
54 Rrp0569	47709708	55959161	61120600	31508804	30125297	29077923
55 Rrp0598	14767357	15549331	14584781	36692855	39347997	37735540
56 Rrp0690	4588008	4883379	5028547	22042652	26218541	27669094
57 Rrp0513	35684203	34085319	32244635	15244061	14766579	13331443
58 Rrp0665	39802409	39637464	43434909	22173310	22630400	23567291
59 Rrp0102	29099352	30659236	30794185	48019616	46671248	48168240
60 Rrp0055	80766992	90644980	91581591	1.08E+08	1.09E+08	99560645
61 Rrp0148	34647030	31861169	38188571	20343034	19898647	16408796
62 Rrp0090	89118619	85555329	84772923	97393175	1.04E+08	1.04E+08
63 Rrp0583	14395738	16561375	17125457	1584469	1543443	1687637
64 Rrp0676	1942108	1879275	1719394	14632824	17569994	16363062
65 Rrp0565	50099161	46543187	5058598	12507158	12341644	11190126
66 Rrp0197	18092319	18827937	18314178	5623605	5379007	5643713
67 Rrp0532	170120.1	4083051	4008434	15206416	16381759	16142781
68 Rrp0508	20976333	32464480	25584437	11866528	12723537	11950669
69 Rrp0328	699264.6	711661.8	668475.4	13099140	13100286	12640214
70 Rrp0581	11845331	13130920	14842824	1318923	1529280	1375441
71 Rrp0531	4406101	3567468	4352927	14907660	16275005	15522889
72 Rrp0321	10206311	10434984	9427750	20427255	19957273	19254791
73 Rrp0644	42540459	50385484	49018197	36665067	36335799	37197700
74 Rrp0545	12041329	14588059	16396884	24013020	25951746	21952698
75 Rrp0464	5876862	5917705	4285264	10355088	15017356	13729962
76 Rrp0223	58036297	56448743	55501698	69375898	60655899	64510742
77 Rrp0640	1197276	1427329	958442.2	7681795	8069417	7530106
78 Rrp0661	9355389	10133321	9848891	4239751	3407142	3198447
79 Rrp0441	5666052	8315154	6299783	13653075	13680240	11968362
80 Rrp0515	74628584	83922342	80863097	94156322	94065693	79329350
81 Rrp0683	440069.5	331787.8	564283.8	6849455	6499278	5879827
82 Rrp0406	316700.7	345846.6	477697.7	6178431	6467901	6041735
83 Rrp0493	6564099	8199303	7466265	13200817	17877692	11065922
84 Rrp0112	16807317	23903100	23938772	32067123	28360778	25910446
85 Rrp0098	21777404	24468732	22080352	17289991	16860854	17421326
86 Rrp0567	293542.9	200823	267515.4	5278561	5747797	5228906
87 Rrp0096	20435786	22206058	20855619	16500457	15630918	15733300
88 Rrp0541	425793.8	611944.4	503953.1	7343849	4936762	5116863
89 Rrp0516	4103584	4446916	4177433	8352244	9421543	8906053
90 Rrp0755	2711869	2885858	2330911	8877642	7301782	6230345
91 Rrp0720	3611466	4166345	4663469	8761128	9647334	8158899
92 Rrp0309	1696980	1640637	2276081	6636492	6911052	5931102
93 Rrp0696	7089595	6794466	6605324	10895549	11932746	11492413
94 Rrp0160	4247375	5697797	5363859	570357.3	681938.5	507381.7
95 Rrp0429	7989820	8263942	8718281	3934331	3886937	3973147
96 Rrp0047	1668911	1972334	2018379	6422269	5882795	5618309
97 Rrp0100	522332.8	552913.7	587677.4	4658530	4702145	4193934
98 Rrp0392	18080323	16591123	16220556	20772810	22466655	20188804
99 Rrp0652	1.99E+08	2.31E+08	2.25E+08	2.01E+08	2.35E+08	1.84E+08
100 Rrp0303	686906	742672.2	761951.4	4747808	4758655	3961602
101 Rrp0319	14540124	16888601	15312856	19895745	19946572	18617421
102 Rrp0477	2459852	2558411	3509005	7051444	5812987	6870263
103 Rrp0641	1516751	1577811	1661763	5039491	5337891	4908679
104 Rrp0489	15730200	19575773	19095496	22807133	23514361	20799327
105 Rrp0318	14614932	16774580	15989491	20167627	20112694	18498324

106 Rrp0650	7196535	9360795	11220646	5077265	5968335	4672698
107 Rrp0327	153195	143375.2	239896.9	3683478	3982684	3293474
108 Rrp0480	11368809	11196594	11620877	15586665	15942133	13690746
109 Rrp0688	5670558	6687301	6159503	9735792	9268685	9845500
110 Rrp0658	3627322	3749924	4134485	7790286	6854871	7100387
111 Rrp0333	1.28E+08	1.41E+08	1.41E+08	1.43E+08	1.42E+08	1.45E+08
112 Rrp0306	4423204	4353369	4271302	7614698	7759934	7513118
113 Rrp0626	1765063	2055119	2001946	5017137	5438155	4985554
114 Rrp0754	7811654	9104550	8134889	11406317	11702128	11808257
115 Rrp0181	3109090	4551991	4669942	887778.9	871907.5	774271
116 Rrp0317	15367345	16466512	16410811	19470887	20481675	18363048
117 Rrp0229	6406671	6609364	6622652	3613357	3614698	3065418
118 Rrp0363	330632.2	267672.6	208864.4	3073923	3526783	3071980
119 Rrp0174	176902.1	325495.4	283897.4	2975544	3783630	2982960
120 Rrp0606	18201926	22712002	22408127	27646610	26938729	21741303
121 Rrp0008	17117981	17224934	17091811	13596497	13633276	15181816
122 Rrp0415	3435696	3885291	3756545	6495937	7128037	6161097
123 Rrp0278	4953059	5538333	5568997	2823890	2578001	2399627
124 Rrp0190	449566.7	6491614	6499650	8836086	8335033	7690181
125 Rrp0402	2522434	2551327	3208686	5000297	6247977	5145708
126 Rrp0510	22904376	24273521	25832995	26635145	28197336	27117101
127 Rrp0466	10260874	9814486	10698622	7974477	7991723	7523350
128 Rrp0662	2025607	2127989	2696321	4710654	5126297	4154688
129 Rrp0242	120279.8	133890.7	112863.8	2257552	2323928	2403647
130 Rrp0685	29336330	29599802	37518227	25313981	30591455	28837098
131 Rrp0251	2127863	3144316	2900337	789259.3	762235.6	338322.9
132 Rrp0467	9398400	10626181	10665102	8385963	8534859	7029133
133 Rrp0185	1159923	1123997	1210467	3140846	3206191	2957432
134 Rrp0667	312746.3	417585.9	311289.2	2390833	2344042	2078061
135 Rrp0026	8543237	9340964	9162555	11190251	11176595	10655389
136 Rrp0490	4919080	5248395	5396645	3507622	3229789	3047663
137 Rrp0419	4397215	6788485	4579964	1771733	4518397	1737691
138 Rrp0436	722226.8	818261	859345.4	3539594	2953394	1999265
139 Rrp0610	7573640	7197007	7126245	5624220	5553371	4975485
140 Rrp0377	19956.24	166627.1	517283.1	1247664	503455.1	8845646
141 Rrp0697	6189337	7046788	7285585	8528562	8531746	8897599
142 Rrp0191	5748839	5427767	5975870	7816031	8624634	6523204
143 Rrp0554	33065477	39517667	37161752	488237	49444769	39002158
144 Rrp0764	756814.7	1019280	1077065	2374146	2514252	2588728
145 Rrp0746	1486358	1729704	1865713	186457.1	183399.6	128732
146 Rrp0492	6609391	1135067	987611.5	2564641	2861332	14874338
147 Rrp0588	1288260	1549005	1643737	2936841	3144669	2943679
148 Rrp0589	1353490	1539509	1526729	2871163	3016153	2854323
149 Rrp0103	21594257	23706475	23823908	24413030	25358366	24894101
150 Rrp0540	1790140	1184062	1438377	75243.35	18949.99	26128.96
151 Rrp0087	16948397	20275776	18820785	23104618	18530246	21417940
152 Rrp0349	8108462	10518720	1097522	4378919	5358321	627198.6
153 Rrp0753	5954278	5215015	5490674	6768669	7771398	6638027
154 Rrp0357	129181.3	1454441	402111.7	2203216	2249737	1974386
155 Rrp0714	4277452	4546825	4810241	6568109	5739912	5457843
156 Rrp0384	8.34E+08	8.23E+08	8.21E+08	8.44E+08	8.42E+08	8.08E+08
157 Rrp0649	1133255	2141414	2197261	13028120	985275.7	1092869
158 Rrp0302	544314.9	497984.3	428841.8	1691596	1752458	1501544

159 Rrp0465	3075652	3845145	3887591	5013611	4751382	4797492
160 Rrp0345	10119356	11738027	12071777	13113592	14150521	11703262
161 Rrp0647	738224.7	737653.3	767870.8	1801851	1935393	1765799
162 Rrp0420	10279425	7439819	9285663	10047323	10644839	11133199
163 Rrp0481	12450930	12852290	13336525	14720846	14495578	13365283
164 Rrp0657	555404.6	594827.9	494417.8	1501344	1763948	1448515
165 Rrp0311	186602.1	2683674	2382793	682934	155728	50746.41
166 Rrp0070	1789752	1829116	1831895	2791035	2747649	2861723
167 Rrp0031	4966174	5023623	5060460	4059254	4148711	3882633
168 Rrp0617	729356.4	872716.6	894942.8	1732481	2033147	1607250
169 Rrp0404	2504055	2769390	2578718	3699676	3377971	3627877
170 Rrp0011	93753455	1.03E+08	99644722	1.07E+08	1.03E+08	95768530
171 Rrp0742	1371779	1260467	1144744	303642.5	371314.9	418853
172 Rrp0079	166163.4	222467.6	162089.3	1547904	1134455	758030.7
173 Rrp0648	2553100	2980392	2544162	1794040	1910562	1633645
174 Rrp0743	429063.1	423554.5	256754.1	1118416	1282614	1195803
175 Rrp0381	3885803	4094127	3285803	2865121	3033598	2469057
176 Rrp0597	31928.21	26968.56	19381.95	952186.5	765903.8	794585.4
177 Rrp0504	813708	482168	785767.3	1859822	1780945	1098547
178 Rrp0265	1298007	1162247	1230555	405268.8	550775.6	424333.5
179 Rrp0691	1149635	1515500	1383057	640140.8	594962.4	438354.5
180 Rrp0599	31938.68	35840.52	37440.39	908646.3	723887.3	748568.5
181 Rrp0519	1053884	1175552	1008656	1890984	1897554	1729228
182 Rrp0119	6897360	6796397	7305477	8317624	8433681	7159032
183 Rrp0390	1151818	1027417	1071517	1817176	1802105	1800787
184 Rrp0354	568447.5	736163	951333	66899.55	55123.1	73385.26
185 Rrp0682	746776.6	812425.4	934341.8	1643569	1500817	1347034
186 Rrp0150	470459.4	435055.6	527088	1106417	1199830	1044857
187 Rrp0548	3013113	3146567	3380843	3688538	3887405	3955810
188 Rrp0238	57916.2	4530982	63900.8	145965.9	201922	54890.27
189 Rrp0164	1634823	1691325	1751397	1143907	1074896	1013426
190 Rrp0642	411412.6	445372.9	423972.9	1071420	1097086	940173.9
191 Rrp0747	225839.2	209635.8	221909.1	762142.7	718520	919135.6
192 Rrp0147	475968	585287.7	583139.8	1217547	1073411	1080400
193 Rrp0370	1462822	1537334	1433564	1010593	903498.4	796370.5
194 Rrp0014	2.02E+08	2.21E+08	2.22E+08	2.22E+08	2.24E+08	2.08E+08
195 Rrp0542	1537598	1602291	1573680	979792.5	1110030	958980
196 Rrp0607	901895.5	1073536	1131836	1634950	1673480	1501109
197 Rrp0088	1797379	2428678	2128263	1489271	1381682	1620010
198 Rrp0072	4763262	5587003	6274131	6070221	6782235	6180939
199 Rrp0561	42017.1	52187.66	45385.76	523637.5	519373.1	516368.4
200 Rrp0288	465779.8	493862	492102.4	1011729	973421.9	887983.8
201 Rrp0332	833363.1	886006.7	964825.2	1678065	1539887	1099147
202 Rrp0097	1070403	1114296	1182507	1695348	1641220	1435345
203 Rrp0675	838429.9	836346.2	807388.2	389093.5	403493.9	373256
204 Rrp0566	491242	449785.2	403125.9	863209.3	895844.5	887486.7
205 Rrp0192	5553773	5329014	5558349	5770949	5943578	6271709
206 Rrp0463	201488.1	280130.3	239096.7	611480.8	717631.1	672335.8
207 Rrp0213	657615.3	717652.2	693971.7	243359.3	314285.5	240028.2
208 Rrp0280	413249.9	516776.2	490370.7	57365.13	44249.59	51742.9
209 Rrp0042	908061.5	846238.3	739023	452091.2	387682.2	385708.9
210 Rrp0408	169059.9	436713.8	433607.2	848985.7	829093	689747
211 Rrp0107	1898208	2264218	2115264	2720829	2561273	2392175

212 Rrp0312	907495.3	985943.2	60629.25	83297	134857.4	18772.06
213 Rrp0115	291551.7	279151.1	328070.6	714885.1	709692.7	635158.1
214 Rrp0759	440885.7	518676.9	485551.3	91459.87	92447.38	109463.8
215 Rrp0171	2957959	3325620	3328573	2814313	2795028	2685605
216 Rrp0189	420588.5	452634	566210.6	905569.9	827699.3	864605.6
217 Rrp0431	1862052	2263106	2342711	2657959	2826556	2364222
218 Rrp0474	2087938	2213300	2626783	2931796	2911761	2480132
219 Rrp0122	17036311	19260181	19782832	18190674	18625971	16677987
220 Rrp0117	517016.1	673142.1	607573.8	331551.5	41363.51	305677.1
221 Rrp0193	22895.37	10935.34	54258.69	355077.7	368243.5	348927.5
222 Rrp0158	3114055	3241598	3168470	2937091	2677502	2842467
223 Rrp0351	1288374	635282.6	251861.9	53021.13	280749.8	298759.7
224 Rrp0534	198759.4	221231.6	249918.1	523431.6	554075.7	556312.6
225 Rrp0270	559790	515773.9	545786.1	942557.3	817199.9	837610.8
226 Rrp0358	1566448	1848107	1778614	2823754	2114732	1773995
227 Rrp0205	1352600	1516371	1551632	1165819	1150380	1104853
228 Rrp0585	949606.4	1111937	1043478	1485122	1503181	1192101
229 Rrp0040	777721.4	697636.4	660168.2	432166.5	397046.8	384326.5
230 Rrp0016	1491102	1613209	1499640	1852522	1861082	1804497
231 Rrp0046	1433699	1617576	1979936	1975761	2021872	2202100
232 Rrp0219	140476.1	262966	215714.4	452715.9	779017.5	411177
233 Rrp0289	187732.6	210783.7	197750.3	567050	505299.2	394214.4
234 Rrp0630	320449.1	3052001	415107	516500.7	568939.3	529612.7
235 Rrp0120	490440.3	804076.1	849720.4	159169.8	623777.2	229968.1
236 Rrp0616	105970.4	138800.3	122054.8	407530.4	363528.7	367336.2
237 Rrp0512	22500946	22948493	24036850	24448794	24072672	22806265
238 Rrp0367	511353.6	517576.6	546269.4	312111.2	289281.8	233620.2
239 Rrp0019	606513.4	720175.5	667387	427871.1	414463.4	410208.2
240 Rrp0407	510715	539547.7	486938.3	760846.6	789287.9	700968.8
241 Rrp0612	636531.8	627784.7	641608.3	414244.3	386916.2	409377.3
242 Rrp0369	221888.1	253618.7	264409.9	514445.4	476469.9	449129.6
243 Rrp0410	1223594	1212489	1515057	1554182	1985131	1436695
244 Rrp0752	2179355	3594190	179591.7	1201762	1344288	1322279
245 Rrp0517	10840775	9682923	10261604	11138406	10356447	10601476
246 Rrp0093	1374596	1549291	1706648	1923508	1826730	1695139
247 Rrp0482	344364.6	333233.8	300713.6	554261	654844.9	449170.9
248 Rrp0470	59892.09	54879.77	53108.87	202580.5	253296.7	342443.2
249 Rrp0208	353820.3	436679.5	271221.6	151021.8	146292.1	127497
250 Rrp0659	609682.3	888525	863128	569521.9	513961.1	561292.1
251 Rrp0709	447905.6	470604.3	570376.9	312099.6	274082.5	295257.8
252 Rrp0452	977102.8	1119623	1056902	902106.1	847748.2	784248.8
253 Rrp0218	285493.5	360029	392396.2	137073	111624.8	203647.6
254 Rrp0075	1724864	1480730	1562825	1433448	1400689	1242594
255 Rrp0409	297560.1	236759.3	325057.5	518025.9	488660.9	423038.4
256 Rrp0748	75754.6	56562.67	136709.5	291235.7	265711.4	262033.2
257 Rrp0038	1182636	1379035	1466193	1476955	1657591	1587005
258 Rrp0183	678835.4	567469.6	627066.6	498244.2	411042.9	384691.3
259 Rrp0388	283853.6	323090	277663.6	453282.1	478220.1	462519.4
260 Rrp0476	383203	593567.5	519227.3	283695.7	338038.5	289626.6
261 Rrp0558	320309.6	353896.6	352672.6	191875.3	167634.4	186058.2
262 Rrp0281	874117.3	952230.3	960443.3	784194.7	795359.3	660914.9
263 Rrp0500	276566.2	281960.8	284940.6	95785.87	145447.1	131203.4
264 Rrp0760	374264.2	418542.2	402767	41930.93	414253.6	57514.73

265 Rrp0348	223664.6	110287.2	22592.5	284024.2	262393	334892.3
266 Rrp0725	324252.3	338754.5	273776.8	467200.5	472039.7	432899.4
267 Rrp0371	297139.9	318276.3	271252.9	159177.8	128742.2	168858.4
268 Rrp0633	218622.5	284618.6	26822.82	363557.4	371085.9	324390.6
269 Rrp0422	1017769	1432583	1454984	1739577	1310640	1593084
270 Rrp0062	1758081	2212413	2166351	2392477	2313669	2119429
271 Rrp0060	2489158	2919105	2679760	3121670	3115219	2600963
272 Rrp0543	54062.08	41467.51	30422.71	602281.3	119080.4	74371.84
273 Rrp0704	27993.89	20490.03	33339.05	166695.3	136392.2	150384.7
274 Rrp0603	13125.89	10581.17	11865.16	138081.7	137230.5	126132.3
275 Rrp0762	59089.96	53035.04	53038.4	193874.2	179570.3	157715.4
276 Rrp0417	2115965	2063662	1805706	2397581	2048150	2149291
277 Rrp0049	403772	505881.1	501001	630294.1	684451.2	530800.4
278 Rrp0426	845933.9	1020405	1025511	990448.8	1138490	1299374
279 Rrp0707	52225.22	47983.77	41960.23	162466.2	155509.3	158896.3
280 Rrp0374	51433.35	141684.4	145958.4	89043.22	114340	930136.2
281 Rrp0405	443861.3	559017.8	533267.4	371409.6	375309.2	412968.5
282 Rrp0257	450910.5	382440.3	349735.7	551515.1	521102.9	482379.3
283 Rrp0724	285686.7	255574.7	305131.6	178876.8	168971.6	171555.4
284 Rrp0211	272900.8	258424.5	280393.3	370959.7	469935.6	340863.9
285 Rrp0104	63961.38	10581.24	157456.4	189426.8	219729	204134.6
286 Rrp0053	524310.8	566576.8	540875.6	814802.9	799926.4	499205.2
287 Rrp0330	211100.2	200453.4	235945.5	98308.66	118376.6	126492.4
288 Rrp0076	283914.9	332935.7	317429.3	235128.2	209557.5	178873.7
289 Rrp0503	132637.5	150654.6	126187.8	259191.2	296765.6	184231.8
290 Rrp0614	524423.2	618525.4	580830.1	680049.8	692986.5	669353.5
291 Rrp0611	683543	864059.5	754071.1	662686	650180.3	630837.6
292 Rrp0718	18214.27	30202.64	23246.16	100662.7	148493.5	103315.7
293 Rrp0108	637715.7	682607.2	660868.3	581212.2	561158.7	563681.2
294 Rrp0194	154239.3	24192.27	197219.3	243143.6	349828.9	173522.4
295 Rrp0364	196584.2	180860.7	203466.9	267372.3	284839.5	291308.6
296 Rrp0632	382639.9	380909.2	351284.6	452017.6	484834.8	446693.2
297 Rrp0082	317703.1	241104.4	264611.5	185583.3	163460	188375.8
298 Rrp0073	71050.79	1038816	73007.54	188639.7	156199.5	124925.6
299 Rrp0608	222151.1	202299.4	243224.6	127031.9	171383.3	90114.58
300 Rrp0169	419184.6	343667.9	317276.1	251711.1	271940.9	267823.3
301 Rrp0036	1737485	2105169	1943146	1861023	1750204	1754549
302 Rrp0577	1217814	1107505	1130432	1144790	1315139	1338407
303 Rrp0775	20940.43	8212.189	36331.7	18864.12	192998.1	166455.2
304 Rrp0044	1348624	1409217	1791097	1989208	1453888	1652312
305 Rrp0146	36431.06	414302.8	51943.37	26796.15	32453.21	24058.29
306 Rrp0005	153506.1	170553.1	165215.1	91610.37	96058.19	99165.6
307 Rrp0572	1082867	1132408	1128648	1005170	1093397	981702.1
308 Rrp0035	413278.5	397479.8	375321.8	488080	452253.1	460692.3
309 Rrp0336	100358.1	144948.1	109694.6	193016.8	226369	164513.1
310 Rrp0729	81494.69	80638	83735.5	11026.88	18630.91	18569.92
311 Rrp0130	1800084	1765101	1566600	1543428	1641319	1607138
312 Rrp0143	15369516	17222507	16950297	16960075	17081614	14365710
313 Rrp0379	95848.87	119725.3	168380.2	184763.3	167713	320886.6
314 Rrp0631	38184.39	30626.2	36812.61	82564.38	116620.8	102276.4
315 Rrp0391	252850.9	269832.1	247498	302793.7	350313.7	319904
316 Rrp0622	80425.84	93314.87	99476.76	33723.13	26074	26877.64
317 Rrp0502	74373.32	62420.21	140456.2	13299.98	19658.35	26239.8

318 Rrp0048	76138.54	84621.85	78285.42	13882.67	18747.03	23646.42
319 Rrp0086	267797.1	295753.3	297202.1	233218.3	215915.6	221752.6
320 Rrp0324	4397074	3463877	3522422	3823157	3553354	3384142
321 Rrp0733	45094.28	45835.88	41844.89	95603.82	100798.1	121053.3
322 Rrp0562	52764.28	52247.83	53703.35	44956.11	46333.54	481045.2
323 Rrp0769	175530.1	136801.1	158742.6	86506.92	94363.41	105356.2
324 Rrp0178	96750.51	73225.94	67802.48	144673.1	127472.3	144041.3
325 Rrp0301	68149.36	59839.48	75794.31	13408.35	10125.47	11441.19
326 Rrp0187	216638.3	182769.9	242495	189857.7	113390.1	125860.2
327 Rrp0693	87126.86	53653.9	58889.04	129239	136027.4	111232.8
328 Rrp0550	89109.18	108381	96223.28	152513.6	156811	149047
329 Rrp0557	35738	36374.08	37355.06	82618.01	106742.6	85070.01
330 Rrp0689	75307.19	77813.86	94455.01	36149.26	34380.18	15816.45
331 Rrp0449	256111.1	270541.6	251316.6	325567.2	299001.3	310798.5
332 Rrp0575	72235.4	84016.45	82798.68	134563.6	143230	116598.2
333 Rrp0350	114491.2	52690	53273.85	300805	79973.12	107665.9
334 Rrp0074	1051968	1099442	1025315	1402715	1102943	1003935
335 Rrp0212	1107124	996757.5	1030929	1001214	1025163	861506.5
336 Rrp0728	169363.3	149645.1	174513.5	116734.8	112489.6	127235.4
337 Rrp0552	83917.72	71808.69	93278.79	38722.9	32263.59	44433.68
338 Rrp0570	14454.14	14348.89	15104.21	56192.07	55657.08	58895.42
339 Rrp0416	15600.76	138669.1	95739.98	44353.95	10433.38	3535.177
340 Rrp0133	734383	694871.2	804578.3	868534.1	769509.1	799156.2
341 Rrp0206	85031.63	91990.34	79554.25	133605.9	130629.7	117089.1
342 Rrp0179	28672.07	115526.7	68782.96	8027.93	33446.32	5854.554
343 Rrp0196	329010.2	361022.9	281280.8	400563.7	396196.3	344423.7
344 Rrp0039	29233.09	22102.38	23067.53	67963.63	69238.82	57238.53
345 Rrp0621	101991.2	100417.6	139898.7	72792.16	66342.44	69224.02
346 Rrp0172	311346.8	329478.9	289044	199098.5	331012.7	205229.9
347 Rrp0427	182547.9	170762.4	204964.3	146253.9	120890.3	157487.1
348 Rrp0666	29874.7	25348.3	44099.8	38774.74	21910.82	301656.8
349 Rrp0727	52317.09	51200.83	48018.95	81114.6	99153	84872.58
350 Rrp0121	1483321	1762712	1660271	1748553	1496457	1344874
351 Rrp0454	1249733	1489891	1267839	1396425	1835827	1151132
352 Rrp0256	216083.9	221176.8	237632.8	218339.4	172428.2	127461.3
353 Rrp0145	149010.8	142012.5	102056.3	187765.6	186942.9	153037.9
354 Rrp0225	117541.9	165118.9	130525.4	166096.6	182133.8	196514.5
355 Rrp0766	52678.43	64212.22	58853.45	210291.6	139132.3	22111.9
356 Rrp0638	1244058	1452076	1498761	1467498	1490340	1469476
357 Rrp0393	14570.04	11221.76	10650.14	44072.33	43444.42	49309.15
358 Rrp0537	168018.8	138678.9	205465.2	237746.4	204283.2	207715.3
359 Rrp0136	142017.8	194721.2	211470.9	242464.8	234030.4	210657.4
360 Rrp0274	1468216	182725.1	485728.9	1372885	104243.7	1219969
361 Rrp0012	914290	905149.2	972313.1	1049958	962360	943080.4
362 Rrp0329	107255.3	98481.89	74852.32	58627.42	60218.12	55155.31
363 Rrp0263	74302.44	76138.84	99358.79	43943.91	56351	47299.23
364 Rrp0573	73854.12	98281.04	94213.66	118120.5	120093.8	129533
365 Rrp0434	42454.17	47314.26	41315.23	81380.97	69885.91	70187.69
366 Rrp0450	55774.93	61157.05	60429.53	22089.1	29066.52	36389.66
367 Rrp0006	694773.5	708646.9	643133.1	728739.2	697332.9	751719.3
368 Rrp0248	242733.6	253312.1	334775.5	234758.5	258282.1	190343.2
369 Rrp0457	50146.2	47244.43	54062.6	24446.01	21049.83	21125.48
370 Rrp0043	242982.9	193577.1	190281.6	237407.3	22255.63	178774.8

371 Rrp0159	2941724	3172151	2980435	3140435	2994534	3176419
372 Rrp0269	112800.3	114496	113910.1	87380.36	92206.69	82584.76
373 Rrp0292	16219.3	35375.59	9815.269	84352.03	88252.29	11649.61
374 Rrp0001	66557.47	71786.68	56699.1	94876.79	103690.8	81576.99
375 Rrp0604	44953.12	42603.22	32149.81	14488.63	16755.18	14204.38
376 Rrp0118	44932.15	46039.4	444249	141306.8	16589.21	136637.1
377 Rrp0723	230788.4	307485.3	168043.1	211831.2	189192.4	161611.7
378 Rrp0677	22440.51	33349.64	24590.14	64530.68	51945.97	41452.24
379 Rrp0250	454980.2	562488.8	465499.2	576684.7	518279.8	522378.3
380 Rrp0756	5182.036	51571.07	45033.75	203371.6	29222.97	30035.25
381 Rrp0615	479531.9	511188.6	482257.8	440591.6	469015.1	472740.2
382 Rrp0387	101785.9	119511.8	100129.8	137802.1	237948.2	82461.07
383 Rrp0613	286168.4	324906.8	363582	364661.6	393477.9	330305
384 Rrp0587	38258.02	34883.33	32980.67	11686.01	14775	17471.33
385 Rrp0022	20775.49	12745.68	35859.32	47508.2	47875.8	44527.27
386 Rrp0524	40812.78	34510.25	59645.64	19964	29132.7	15191.98
387 Rrp0360	38164.78	34768.6	25528.57	12452.83	11086.35	14072.98
388 Rrp0341	7596.003	78442.77	69373.99	41781.32	7910.364	9206.573
389 Rrp0389	47344.79	17282.27	44194.92	61681.99	54654.1	62159.23
390 Rrp0506	6772.577	14348.61	13872.76	38700.72	61531	12826.21
391 Rrp0496	55632	57200.33	53164.56	38356.83	35370.99	39492
392 Rrp0276	164232.2	133876.7	134169.5	148641.6	100743.3	95087.47
393 Rrp0221	472907.2	758952.9	777508.3	641023.3	624703.6	570447.3
394 Rrp0287	32906.27	39496.12	33319.65	54087.06	58895.98	45779.85
395 Rrp0167	300622.5	433579.9	418502	441206.9	408516.5	420766.6
396 Rrp0601	63637.47	56129.16	61396.48	77444.85	87189.13	70826.28
397 Rrp0140	434156.8	550210.2	1347046	810818.9	940413.3	879968.7
398 Rrp0315	55828.63	63829.79	32337.65	79302.94	79620.16	59614.22
399 Rrp0403	52047.71	42810.3	52189.38	32641.01	32390.39	32432.6
400 Rrp0700	12200.89	21417.64	43883.7	16898.11	43863.66	118221.1
401 Rrp0385	1264.18	7429.984	6137.951	21247.99	21594.87	19042.52
402 Rrp0726	52730.11	59917.29	54476.23	68747.68	67986.29	84997.35
403 Rrp0395	14930.08	16996.43	36317.64	43047.22	54896.26	32031.74
404 Rrp0286	3600.561	30044.38	38284.29	44782.55	41649.07	50296.97
405 Rrp0157	83701.1	140064.2	116461.1	72308.81	82839.3	108070.8
406 Rrp0063	2496712	3117605	2940904	3034788	3017118	2735027
407 Rrp0268	60310.14	42566.35	20031.16	12015.93	28212.17	19077.09
408 Rrp0362	13863.88	1902.096	18461.22	30563.42	29008.03	21890.98
409 Rrp0739	23589.69	53862.77	28995.81	17432.51	5297.5	26665.81
410 Rrp0433	70171.93	87337.77	75793.78	15366.09	177031.2	149145.8
411 Rrp0767	29281.03	32283.28	32478.68	45222.59	45846.28	40224.33
412 Rrp0586	493036.2	548127.8	535797.5	540899.2	553887.2	546660.3
413 Rrp0291	2991.734	16963.23	5172.694	7198.502	23865.42	50589.92
414 Rrp0056	17335.66	18798.47	19725.82	25772.84	29212.44	38227.05
415 Rrp0017	59882.11	53006.09	43818.99	219557.5	28568.36	18601.53
416 Rrp0209	43806.19	72052.11	46726.33	90804.39	63788.11	60736.98
417 Rrp0397	21574.52	14910.32	19432.57	10198.48	9682.828	2835.572
418 Rrp0394	30045.09	35358.25	36863.78	14232.77	11764.9	34660.74
419 Rrp0758	90506.17	112599.3	115025.9	188426.9	99376.24	104133.3
420 Rrp0539	14616.34	17519.67	17847.02	35871.18	14964.41	41390.98
421 Rrp0507	19342788	21900503	22465243	22582710	21524238	20064463
422 Rrp0128	188205.7	166716.4	146420.9	133334.5	185343.9	115854.2
423 Rrp0052	801368.7	757271.9	753190.3	816287.8	745742.5	659407.2

424 Rrp0520	104438.1	118219.4	114407.3	105587.3	89712.9	104511.1
425 Rrp0487	29015.79	24230.42	23836.56	15387.12	17935.16	15776.79
426 Rrp0271	493934.3	431566.5	552093.9	485840.7	486678.1	598106.3
427 Rrp0284	106596.8	138414.5	91996.16	88942.22	108620.6	86884.24
428 Rrp0080	38050.89	39401.71	26691.46	23106.52	20550.04	28380.47
429 Rrp0442	48096.66	44595.69	49162.18	58947.84	57715.71	52195.69
430 Rrp0054	28704.29	24650.47	24354.79	18123.36	17489.77	17433.02
431 Rrp0486	11763.11	13316.66	3225.987	23299.98	22107.87	12651.47
432 Rrp0774	14330.95	16982	17629.69	21787.13	25209.94	25008.92
433 Rrp0252	53576.68	63067.82	53804.17	48195.71	47057.25	49283.11
434 Rrp0180	253179.6	294007.1	262205.5	272678.2	283972.1	297882.9
435 Rrp0335	16785.6	16879.42	14945.43	25349.31	21866.42	22405.79
436 Rrp0424	47982.41	26815.35	113902.8	62477.28	21265.52	46191.25
437 Rrp0763	50235.13	66212.94	46244.43	47914.82	42385.41	41389.73
438 Rrp0065	2479797	3067419	3010810	3055105	3092365	2580779
439 Rrp0024	68860.29	80389.53	79335.19	90743.71	81563.31	82568.75
440 Rrp0067	79867.38	77765.41	79497.4	97793.39	64345.21	118540.9
441 Rrp0314	126341.8	17130.48	11869.02	27753.7	29548.49	32885.27
442 Rrp0214	177167.4	468244.4	139833.6	418742.2	178693.4	65631.19
443 Rrp0499	154508.9	229584.8	180646.6	234916.4	209745.6	172048.7
444 Rrp0032	2713171	2851233	2878850	2890362	2846208	2609806
445 Rrp0113	235676.9	282791.9	355470.2	336256.5	301570.4	294671
446 Rrp0430	143217.5	134269.3	192956.8	176627.4	82323.04	157902.3
447 Rrp0776	18501.49	16704.16	21089.85	12039.86	12732.98	16464.02
448 Rrp0138	17956.13	15293.37	18304.17	10121.2	12558.02	15054.38
449 Rrp0372	18672.67	10171.16	18314.94	9899.425	10514.21	10699.87
450 Rrp0009	31745.56	26153.07	26235.79	28428.55	29219.01	48511.31
451 Rrp0411	14824.38	15579	14947.58	18329.5	17956.03	19033.64
452 Rrp0078	913106.1	516893.9	856268.2	780756.1	789306	625876.4
453 Rrp0101	129630.9	82876.24	68170.79	99142.45	93449.69	121618.4
454 Rrp0458	69725.71	77282.17	69728.25	77400.81	71489.61	84421.42
455 Rrp0013	129458.1	127464.9	122600.3	129382.1	137625.3	127190.5
456 Rrp0057	32071.84	33598.05	41525.99	120970.9	13805.35	14380.67
457 Rrp0334	153593.6	150011.6	157531.9	194381.8	166635.6	129740.2
458 Rrp0083	18291.2	15273.41	105299.5	56005.21	69472.17	51070.75
459 Rrp0365	42678.19	50545.78	49991.11	53929.43	51198.3	50221.47
460 Rrp0468	13741.72	18798.76	50680.62	33183.57	36069.79	36154.42
461 Rrp0435	3301.679	9206.241	17642.58	9159.038	4989.572	2011.672
462 Rrp0144	30788.77	30088.85	29393.58	29331.83	23440.56	28055.82
463 Rrp0260	19661.91	11646.65	25405.08	15176.93	2321.898	22686.44
464 Rrp0749	40858.43	43986.82	54322.63	50580.71	51368.71	49872.56
465 Rrp0462	25945.54	38860.41	33308.5	31131.37	28908.78	26010.53
466 Rrp0069	341845.6	415299.5	305124	182501.9	86272.02	893615.2
467 Rrp0473	29763.95	22499.34	33875.24	27885.4	20534.23	26069.9
468 Rrp0375	22519.72	46752.68	38115.69	36638.66	31990.03	57371.53
469 Rrp0023	246505.1	318802.6	262750.7	271629	250355.9	279940.3
470 Rrp0064	231035.1	324185.6	295673.2	256149.3	288935.9	277230.7
471 Rrp0135	276212.9	254974.7	289138.7	260263.4	379129.9	214588.5
472 Rrp0325	30838.43	14139.37	30211.39	9480.889	78102.16	9165.411
473 Rrp0453	2185941	2283934	2421752	2036947	2902271	1865240
474 Rrp0342	47254.51	23143.26	45053.16	24291.13	37284.28	41263.12
475 Rrp0401	10222.84	13767.83	12253.94	13493.08	14256.45	12911.66
476 Rrp0028	2534821	2851699	2672093	2843294	2652273	2602560

477 Rrp0224	4782.629	14128.76	9832.44	21931.59	5389.327	10059.05
478 Rrp0296	63084.21	48766.96	51950.65	38491.74	67177.8	47200.56
479 Rrp0215	18417.6	58743.91	28928.26	39520	55508.63	24210.16
480 Rrp0353	2855.714	2164.508	1723.789	5000.334	2575.916	2579.473
481 Rrp0007	22944.37	33468.82	29510.2	24433.43	28944.03	39945.43
482 Rrp0084	42052.5	47937.73	48203.85	41455.44	54375.02	48298.06
483 Rrp0605	18819.72	15146.16	13008.97	14346.19	13937.93	14878.54
484 Rrp0560	2138.58	16874.51	6149.194	9361.167	5687.5	4308.171
485 Rrp0338	62960.62	55498.97	58464.77	57046.38	65174.97	59477.29
486 Rrp0081	15281.15	17651.53	11799.03	15261.64	11776.95	13835.35
487 Rrp0089	32313.16	35149.73	34629.96	38696.61	30986.22	36356.04
488 Rrp0037	131852.7	156804.2	143346.7	149644.7	156681.8	116745.1
489 Rrp0425	27313.37	21106.23	28133.32	23602.47	25473.06	24068.82
490 Rrp0398	45983.68	45480.66	44889.16	41609.98	46430.51	45526.41
491 Rrp0156	8616.166	9168.302	15727.9	14246.15	4312	20099.18
492 Rrp0295	13274.79	6530.052	5252.686	4208.698	9256.781	15438.85
493 Rrp0004	110868.4	118654.9	103933.7	123766.8	103860.1	110750
494 Rrp0285	10900.74	14021.27	10308.28	15226.4	14923.61	1611.76
495 Rrp0576	25641.2	24295	23934.77	26091.89	21156.64	24994.93
496 Rrp0523	359303.1	32740.45	3511841	1039316	1384522	1556582
497 Rrp0343	12975.2	3586.317	8049.443	6968.145	8852.633	9587.13
498 Rrp0201	123544.8	167651.2	187394	167560.7	129060.6	185535.5
499 Rrp0376	135463.8	644366.7	860655.1	672145.4	739741.7	225593.9
500 Rrp0501	35767.74	13445.48	29847.4	7162.946	14806.12	56111.06
501 Rrp0553	6244.172	9544.192	4594.478	16884.6	1296.728	1412.582
502 Rrp0382	15145.51	16450.24	15008.49	15221.35	14770.76	16738.79
503 Rrp0571	54618.85	61954.95	63256.73	62360.81	64028.28	53631.89
504 Rrp0494	23602.27	26864.83	37131.8	29909.51	32259.24	25736.96
505 Rrp0279	265058.9	191450.5	134503.1	286684.9	204533.1	96253.14

control_me	case_mean	log2FoldCh	Pvalue	padj	vip	regulate
1.72E+09	2.05E+08	-3.07105	3.31E-08	5.58E-06	7.898275	Down
1.29E+09	1.39E+08	-3.2102	7.25E-08	7.32E-06	6.865997	Down
8.75E+08	1.03E+08	-3.07973	1.37E-05	0.00023	5.626905	Down
1.07E+09	4.45E+08	-1.26188	0.000148	0.000923	5.02963	Down
1.04E+09	4.61E+08	-1.17715	3.08E-05	0.000343	4.883476	Down
1.34E+09	8.16E+08	-0.71088	3.11E-06	9.25E-05	4.619031	Normal
1.33E+09	8.13E+08	-0.70823	5.72E-08	7.22E-06	4.60275	Normal
1.29E+09	7.91E+08	-0.70551	4.78E-06	0.000127	4.524673	Normal
1.27E+09	7.8E+08	-0.70361	1.45E-06	5.63E-05	4.490796	Normal
1.25E+09	7.99E+08	-0.64679	0.000163	0.000959	4.288377	Normal
1.27E+09	8.31E+08	-0.61541	1.24E-06	5.26E-05	4.2628	Normal
1.38E+08	4.91E+08	1.826689	3.27E-05	0.000343	3.797824	Up
3.76E+08	79110266	-2.25046	3.06E-05	0.000343	3.491569	Down
3.75E+08	78316712	-2.25954	2.54E-05	0.000313	3.487847	Down
3.08E+08	25165135	-3.61388	1.24E-05	0.000226	3.408385	Down
2.02E+08	15828570	-3.67504	1.26E-07	1.06E-05	2.768712	Down
3.23E+08	1.53E+08	-1.07528	1.35E-05	0.00023	2.639216	Down
9.93E+08	1.14E+09	0.203618	1.83E-05	0.00025	2.483369	Normal
7.42E+08	6.12E+08	-0.27717	4.17E-05	0.000405	2.304733	Normal
1.38E+09	1.52E+09	0.137761	0.009342	0.020423	2.293088	Normal
1.37E+09	1.14E+09	-0.25729	0.306086	0.387402	2.150864	Normal
1.41E+08	29903401	-2.2389	2.26E-05	0.000292	2.136301	Down
77394155	1.88E+08	1.282636	6.94E-05	0.000567	2.129306	Up
1.54E+08	2.6E+08	0.753665	2.52E-05	0.000313	2.082325	Normal
69299677	1.6E+08	1.210471	0.000151	0.000923	1.926724	Up
91447821	1.82E+08	0.993023	0.000837	0.002999	1.909305	Normal
27530964	1.17E+08	2.083582	0.000149	0.000923	1.906481	Up
85945904	1.77E+08	1.038426	0.000966	0.003355	1.903753	Up
25605472	1.12E+08	2.127151	8.00E-05	0.000622	1.875975	Up
5115290	88200863	4.107905	0.000109	0.000752	1.841715	Up
2.79E+08	1.96E+08	-0.5077	0.000956	0.003354	1.821574	Normal
9.74E+08	8.98E+08	-0.11708	0.000714	0.002671	1.750422	Normal
9.59E+08	8.8E+08	-0.12357	0.003948	0.010116	1.74915	Normal
1.61E+08	88908547	-0.85565	5.92E-05	0.000524	1.713675	Normal
1.09E+08	1.82E+08	0.733515	0.004728	0.011591	1.680364	Normal
1.12E+08	45317859	-1.29982	8.23E-05	0.00063	1.643312	Down
3.25E+08	3.98E+08	0.290844	0.02742	0.050979	1.605022	Normal
5.37E+08	5.99E+08	0.158112	0.000205	0.001092	1.587751	Normal
1.02E+08	44037536	-1.21766	0.000488	0.002036	1.533656	Down
61303794	8520240	-2.84701	2.86E-05	0.000336	1.47099	Down
9.02E+08	8.34E+08	-0.11354	0.113478	0.173131	1.416677	Normal
89096976	1.37E+08	0.624166	0.000979	0.003362	1.390896	Normal
5612123	52571135	3.227652	9.86E-07	4.98E-05	1.388968	Up
53314507	6254420	-3.09158	0.000237	0.00122	1.384065	Down
55371035	13732843	-2.0115	9.82E-05	0.000689	1.304529	Down
40041629	756925.9	-5.7252	2.86E-09	1.45E-06	1.27107	Down
11613013	49430164	2.089649	1.25E-06	5.26E-05	1.246167	Up
4114818	41997106	3.351389	0.00029	0.001319	1.240365	Up
85219564	49518827	-0.78321	3.40E-05	0.000343	1.209485	Normal
14092595	41980559	1.574784	3.94E-06	0.000111	1.070442	Up
16182436	41217280	1.348821	0.000278	0.001298	1.00764	Up
8.47E+08	8.79E+08	0.054328	0.086104	0.136737	1.001761	Normal

38417410	62982753	0.713197	0.000526	0.002094	0.995875	Normal
54929823	30237341	-0.86126	0.003397	0.009075	0.985463	Normal
14967156	37925464	1.341367	1.00E-05	0.000202	0.970681	Up
4833312	25310096	2.388629	0.000267	0.001273	0.911001	Up
34004719	14447361	-1.23493	6.96E-05	0.000567	0.89287	Down
40958261	22790334	-0.84573	0.000155	0.000926	0.861035	Normal
30184258	47619701	0.657762	1.75E-05	0.00025	0.844853	Normal
87664521	1.06E+08	0.267768	0.01743	0.035349	0.808598	Normal
34898923	18883492	-0.88606	0.001936	0.005855	0.796885	Normal
86482290	1.02E+08	0.234547	0.003986	0.010116	0.771991	Normal
16027523	1605183	-3.31974	6.53E-05	0.000559	0.768347	Down
1846926	16188626	3.131783	7.40E-05	0.000593	0.76546	Up
33900316	12012976	-1.49671	0.204756	0.280222	0.730205	Normal
18411478	5548775	-1.73036	6.54E-07	4.13E-05	0.727246	Down
2753868	15910319	2.530431	0.000605	0.002332	0.727221	Up
26341750	12180245	-1.11281	0.013385	0.027932	0.726619	Down
693133.9	12946547	4.223289	1.48E-07	1.07E-05	0.709955	Up
13273025	1407881	-3.2369	0.000168	0.000974	0.695657	Down
4108832	15568518	1.921831	1.82E-05	0.00025	0.685461	Up
10023015	19879773	0.987985	2.74E-05	0.000329	0.635831	Normal
47314713	36732855	-0.36522	0.012156	0.025539	0.630757	Normal
14342090	23972488	0.741124	0.004906	0.011911	0.610587	Normal
5359944	13034136	1.282005	0.006749	0.015562	0.542858	Up
56662246	64847513	0.194663	0.035752	0.06335	0.532738	Normal
1194349	7760439	2.699914	6.24E-06	0.000139	0.519384	Up
9779200	3615114	-1.43568	9.45E-05	0.000682	0.501551	Down
6760330	13100559	0.954463	0.002929	0.008128	0.499505	Normal
79804674	89183788	0.160308	0.171371	0.240396	0.498473	Normal
445380.4	6409520	3.847106	3.36E-05	0.000343	0.494334	Up
380081.7	6229356	4.034702	1.70E-06	6.13E-05	0.490304	Up
7409889	14048144	0.922856	0.03251	0.058425	0.482703	Normal
21549730	28779449	0.417369	0.071698	0.117557	0.478233	Normal
22775496	17190724	-0.40585	0.002999	0.00823	0.468633	Normal
253960.4	5418421	4.415197	6.61E-06	0.000139	0.460562	Up
21165821	15954892	-0.40774	0.00097	0.003355	0.457122	Normal
513897.1	5799158	3.496292	0.002428	0.007088	0.456918	Up
4242644	8893280	1.067752	0.00014	0.000923	0.435281	Up
2642879	7469923	1.498983	0.003566	0.009331	0.435241	Up
4147093	8855787	1.09452	0.000876	0.003095	0.43474	Up
1871232	6492882	1.79487	0.000202	0.001086	0.433567	Up
6829795	11440236	0.744203	0.000156	0.000926	0.433488	Normal
5103010	586559.2	-3.121	0.000515	0.002087	0.427414	Down
8324014	3931472	-1.08221	3.32E-05	0.000343	0.424403	Down
1886541	5974458	1.663064	9.67E-05	0.000687	0.408439	Up
554308	4518203	3.026989	1.73E-05	0.00025	0.403283	Up
16964001	21142756	0.317687	0.00929	0.020397	0.399154	Normal
2.18E+08	2.06E+08	-0.08124	0.543146	0.62197	0.392249	Normal
730509.9	4489355	2.619533	0.000143	0.000923	0.391584	Up
15580527	19486580	0.322737	0.008749	0.019463	0.385201	Normal
2842422	6578231	1.210579	0.001861	0.005661	0.384258	Up
1585442	5095354	1.684297	1.25E-05	0.000226	0.379493	Up
18133823	22373607	0.303115	0.043741	0.075133	0.378646	Normal
15793001	19592882	0.311044	0.010434	0.022422	0.37831	Normal

9259325	5239433	-0.8215	0.03039	0.05558	0.377083	Normal
178822.4	3653212	4.352566	6.69E-05	0.000563	0.376992	Up
11395427	15073182	0.403529	0.006592	0.015342	0.376451	Normal
6172454	9616659	0.639692	0.000551	0.00216	0.37234	Normal
3837243	7248514	0.917615	0.000433	0.001854	0.371176	Normal
1.37E+08	1.43E+08	0.062229	0.242943	0.322858	0.370334	Normal
4349292	7629250	0.810761	2.57E-06	8.11E-05	0.367235	Normal
1940709	5146949	1.407133	4.76E-05	0.000445	0.362157	Up
8350364	11638901	0.479044	0.001271	0.004194	0.36212	Normal
4110341	844652.4	-2.28283	0.002903	0.0081	0.359009	Down
16081556	19438537	0.273513	0.009053	0.019965	0.356944	Normal
6546229	3431157	-0.93197	9.12E-05	0.000667	0.356415	Normal
269056.4	3224229	3.582974	4.49E-05	0.000428	0.347901	Up
262098.3	3247378	3.631095	0.00039	0.001699	0.34777	Up
21107352	25442214	0.269479	0.140503	0.205663	0.347443	Normal
17144909	14137197	-0.27828	0.004565	0.011355	0.34251	Normal
3692510	6595024	0.836776	0.000756	0.002787	0.341806	Normal
5353463	2600506	-1.04168	0.000304	0.001372	0.334302	Down
4480277	8287100	0.887279	0.135796	0.200517	0.324722	Normal
2760816	5464661	0.985037	0.003963	0.010116	0.324701	Normal
24336964	27316527	0.166625	0.03653	0.064453	0.31963	Normal
10257994	7829850	-0.38969	0.001231	0.004116	0.311461	Normal
2283306	4663879	1.030406	0.00245	0.00711	0.306545	Up
122344.8	2328376	4.2503	8.38E-07	4.70E-05	0.30107	Up
32151453	28247511	-0.18676	0.276476	0.357085	0.295205	Normal
2724172	629939.3	-2.11253	0.003502	0.00926	0.286493	Down
10229894	7983318	-0.35773	0.023984	0.046002	0.283628	Normal
1164796	3101490	1.412884	1.61E-05	0.00025	0.281886	Up
347207.1	2270979	2.709446	4.94E-05	0.000454	0.280662	Up
9015585	11007412	0.287982	0.002639	0.007488	0.280039	Normal
5188040	3261691	-0.66957	0.000582	0.002263	0.278839	Normal
5255221	2675940	-0.97371	0.097987	0.152257	0.278001	Normal
799944.4	2830751	1.823213	0.010774	0.022957	0.276872	Up
7298964	5384359	-0.43892	0.001515	0.004782	0.275477	Normal
234622.1	3532255	3.912178	0.284306	0.364263	0.264157	Normal
6840570	8652636	0.339023	0.006937	0.015781	0.262536	Normal
5717492	7654623	0.420949	0.037524	0.065798	0.259161	Normal
36581632	29645055	-0.30333	0.667918	0.726937	0.255078	Normal
951053.5	2492375	1.389923	0.000191	0.001073	0.250056	Up
1693925	166196.2	-3.34941	0.00017	0.000978	0.249577	Down
2910690	6766771	1.217106	0.435721	0.515314	0.249382	Normal
1493667	3008396	1.010136	0.000277	0.001298	0.247737	Up
1473243	2913880	0.983946	5.31E-05	0.000479	0.242653	Normal
23041547	24888499	0.111242	0.07551	0.122613	0.240077	Normal
1470860	40107.43	-5.19665	0.001262	0.004192	0.238764	Down
18681653	21017601	0.169976	0.228994	0.308378	0.234397	Normal
6574901	3454813	-0.92836	0.381022	0.465898	0.234279	Normal
5553322	7059365	0.346187	0.022692	0.044244	0.233547	Normal
661911.2	2142446	1.694549	0.023048	0.044594	0.230594	Up
4544839	5921955	0.381844	0.019901	0.039723	0.223574	Normal
8.26E+08	8.31E+08	0.009328	0.689871	0.746006	0.223031	Normal
1823977	5035422	1.465025	0.468227	0.547349	0.222359	Normal
490380.3	1648533	1.749209	0.000151	0.000923	0.217436	Up

3602796	4854162	0.430105	0.01054	0.022555	0.216424	Normal
11309720	12989125	0.199741	0.145533	0.210585	0.215088	Normal
747916.3	1834348	1.294319	3.23E-05	0.000343	0.210979	Up
9001636	10608453	0.236955	0.145052	0.210492	0.210714	Normal
12879915	14193902	0.140148	0.055562	0.092603	0.208202	Normal
548216.7	1571269	1.519112	0.000552	0.00216	0.203391	Up
1751023	296469.5	-2.56224	0.147328	0.212573	0.201045	Normal
1816921	2800135	0.624001	1.06E-05	0.000206	0.200718	Normal
5016752	4030199	-0.3159	0.000285	0.001308	0.199942	Normal
832338.6	1790959	1.10549	0.002172	0.006378	0.194852	Up
2617388	3568508	0.447193	0.001625	0.005065	0.194311	Normal
98884266	1.02E+08	0.040722	0.538199	0.617706	0.193138	Normal
1258996	364603.5	-1.78787	0.000263	0.001266	0.190378	Down
183573.4	1146797	2.643181	0.013614	0.028176	0.189582	Up
2692551	1779416	-0.59757	0.005189	0.012479	0.187758	Normal
369790.6	1198944	1.696984	0.000357	0.001583	0.18344	Up
3755244	2789259	-0.42903	0.030486	0.05558	0.183298	Normal
26092.91	837558.6	5.00446	0.000152	0.000923	0.18182	Up
693881.1	1579772	1.186956	0.028411	0.052364	0.177526	Normal
1230270	460126	-1.41887	0.000215	0.00113	0.176775	Down
1349397	557819.2	-1.27445	0.003016	0.008233	0.176398	Down
35073.2	793700.7	4.500154	0.000196	0.001086	0.175665	Up
1079364	1839255	0.76894	0.000514	0.002087	0.175349	Normal
6999744	7970112	0.187298	0.089877	0.140956	0.172904	Normal
1083584	1806689	0.737537	3.95E-05	0.000391	0.172112	Normal
751981.2	65135.97	-3.52917	0.00346	0.009196	0.164382	Down
831181.3	1497140	0.848974	0.002816	0.0079	0.161856	Normal
477534.3	1117035	1.225998	0.000259	0.001266	0.16118	Up
3180174	3843917	0.273472	0.007759	0.017414	0.158584	Normal
1550933	134259.4	-3.53004	0.395737	0.478327	0.158106	Normal
1692515	1077410	-0.6516	0.000261	0.001266	0.158053	Normal
426919.5	1036227	1.279304	0.000252	0.001261	0.157422	Up
219128	799932.8	1.868105	0.000684	0.002578	0.152708	Up
548131.8	1123786	1.035773	0.000626	0.002395	0.152214	Up
1477907	903487.2	-0.70998	0.001146	0.003883	0.151379	Normal
2.15E+08	2.18E+08	0.020407	0.730905	0.778707	0.149828	Normal
1571190	1016268	-0.62858	0.0004	0.001726	0.149768	Normal
1035756	1603180	0.630252	0.0028	0.007898	0.149316	Normal
2118106	1496988	-0.50071	0.033315	0.059661	0.147649	Normal
5541465	6344465	0.195231	0.176304	0.245615	0.143785	Normal
46530.17	519793	3.481699	2.15E-08	5.42E-06	0.139517	Up
483914.7	957711.6	0.984838	0.00023	0.001199	0.138817	Normal
894731.7	1439033	0.685573	0.038176	0.066251	0.137156	Normal
1122402	1590637	0.503016	0.005447	0.013036	0.13461	Normal
827388.1	388614.5	-1.09022	5.02E-06	0.000127	0.134149	Down
448051	882180.2	0.97741	9.10E-05	0.000667	0.133225	Normal
5480379	5995412	0.129583	0.035622	0.063341	0.133122	Normal
240238.4	667149.2	1.473543	0.000366	0.001607	0.131434	Up
689746.4	265891	-1.37523	0.000143	0.000923	0.131381	Down
473465.6	51119.21	-3.21132	0.000174	0.000989	0.131202	Down
831107.6	408494.1	-1.02472	0.001437	0.004593	0.129521	Down
346460.3	789275.3	1.187838	0.012188	0.025539	0.128468	Up
2092564	2558092	0.289797	0.030856	0.056052	0.127783	Normal

651355.9	78975.5	-3.04397	0.127283	0.190308	0.12677	Normal
299591.1	686578.7	1.19643	0.000199	0.001086	0.125486	Up
481704.6	97790.35	-2.30038	7.92E-05	0.000622	0.125295	Down
3204051	2764982	-0.21263	0.027458	0.050979	0.125067	Normal
479811	865958.3	0.851831	0.001465	0.004653	0.123816	Normal
2155956	2616246	0.27917	0.083778	0.133464	0.119301	Normal
2309340	2774563	0.26478	0.101473	0.157189	0.117815	Normal
18693108	17831544	-0.06807	0.449272	0.530099	0.117677	Normal
599244	226197.4	-1.40556	0.022444	0.044094	0.11621	Down
29363.13	357416.2	3.605528	2.03E-05	0.00027	0.115923	Up
3174708	2819020	-0.17143	0.013523	0.028104	0.115151	Normal
725172.8	210843.6	-1.78215	0.175395	0.245359	0.114975	Normal
223303.1	544606.6	1.286212	6.06E-05	0.000528	0.114498	Up
540450	865789.3	0.679855	0.001359	0.004456	0.113973	Normal
1731056	2237493	0.370231	0.189322	0.261938	0.11395	Normal
1473535	1140351	-0.3698	0.006486	0.015164	0.113339	Normal
1035007	1393468	0.429039	0.032222	0.058115	0.112182	Normal
711842	404513.3	-0.81537	0.001208	0.004068	0.110597	Normal
1534651	1839367	0.261299	0.002115	0.006246	0.109884	Normal
1677070	2066578	0.3013	0.089646	0.140956	0.108312	Normal
206385.5	547636.8	1.407878	0.048561	0.082292	0.107129	Normal
198755.5	488854.6	1.29841	0.004719	0.011591	0.106279	Up
1262519	538350.9	-1.22969	0.46396	0.544884	0.105739	Normal
714745.6	337638.4	-1.08195	0.108932	0.166698	0.105626	Normal
122275.2	379465.1	1.633835	0.00011	0.000754	0.102402	Up
23162096	23775911	0.037735	0.414229	0.493362	0.102077	Normal
525066.5	278337.7	-0.91566	0.000655	0.002487	0.099638	Normal
664692	417514.2	-0.67086	0.001752	0.005394	0.09918	Normal
512400.3	750367.8	0.550326	0.001393	0.004538	0.097583	Normal
635308.3	403512.6	-0.65484	1.56E-05	0.00025	0.09752	Normal
246638.9	480015	0.960679	0.000517	0.002087	0.097051	Normal
1317047	1658669	0.33272	0.152927	0.219398	0.096472	Normal
1984379	1289443	-0.62194	0.522002	0.601852	0.09602	Normal
10261767	10698776	0.060167	0.342614	0.42721	0.09284	Normal
1543511	1815126	0.233853	0.080155	0.128502	0.091813	Normal
326104	552759	0.761318	0.020339	0.040439	0.090993	Normal
55960.24	266106.8	2.249531	0.006818	0.015651	0.089576	Up
353907.2	141603.6	-1.32151	0.011733	0.024895	0.088969	Down
787111.7	548258.4	-0.52171	0.05795	0.096266	0.088916	Normal
496295.6	293813.3	-0.7563	0.006668	0.015446	0.088381	Normal
1051209	844701	-0.31554	0.018131	0.036624	0.086858	Normal
345972.9	150781.8	-1.1982	0.009589	0.020872	0.086253	Down
1589473	1358910	-0.2261	0.067927	0.111737	0.085424	Normal
286458.9	476575.1	0.734375	0.007704	0.017368	0.085248	Normal
89675.58	272993.5	1.606079	0.002087	0.006199	0.08509	Up
1342621	1573850	0.229246	0.079687	0.12816	0.084556	Normal
624457.2	431326.1	-0.53382	0.014782	0.03047	0.08431	Normal
294869.1	464673.9	0.656144	0.000444	0.001883	0.082878	Normal
498665.9	303786.9	-0.71501	0.038128	0.066251	0.082067	Normal
342292.9	181856	-0.91244	0.000263	0.001266	0.080788	Normal
928930.3	746823	-0.3148	0.023521	0.045336	0.080756	Normal
281155.8	124145.5	-1.17934	0.000467	0.001964	0.079675	Down
398524.5	171233.1	-1.21871	0.136598	0.201114	0.079497	Normal

118848.1	293769.9	1.305567	0.047857	0.081649	0.07688	Normal
312261.2	457379.9	0.55064	0.003346	0.009037	0.075594	Normal
295556.4	152259.5	-0.9569	0.001404	0.004546	0.075589	Normal
176688	353011.3	0.99851	0.088465	0.140047	0.073992	Normal
1301779	1547767	0.249704	0.264847	0.343603	0.07342	Normal
2045615	2275192	0.153454	0.237953	0.317061	0.073053	Normal
2696008	2945951	0.127909	0.305069	0.387085	0.07253	Normal
41984.1	265244.5	2.659408	0.257338	0.338426	0.071426	Normal
27274.32	151157.4	2.470437	0.000201	0.001086	0.070948	Up
11857.41	133814.8	3.496378	6.35E-06	0.000139	0.070785	Up
55054.47	177053.3	1.685252	0.000338	0.001512	0.070383	Up
1995111	2198341	0.139946	0.223813	0.302207	0.070353	Normal
470218.1	615181.9	0.387683	0.060618	0.10004	0.06876	Normal
963950	1142771	0.245506	0.169889	0.23898	0.068049	Normal
47389.74	158957.3	1.745992	6.40E-06	0.000139	0.067699	Up
113025.4	377839.8	1.741128	0.394686	0.478327	0.067473	Normal
512048.9	386562.4	-0.40558	0.028255	0.052266	0.066898	Normal
394362.2	518332.4	0.394357	0.025978	0.049318	0.066774	Normal
282131	173134.6	-0.70447	0.001774	0.005428	0.06584	Normal
270572.8	393919.7	0.541885	0.035482	0.063316	0.065548	Normal
77333	204430.1	1.402452	0.044057	0.075419	0.065407	Normal
543921.1	704644.8	0.373499	0.195554	0.268355	0.064128	Normal
215833	114392.6	-0.91592	0.001653	0.00512	0.063615	Normal
311426.6	207853.1	-0.58333	0.008913	0.019742	0.062664	Normal
136493.3	246729.5	0.854101	0.031261	0.056583	0.062397	Normal
574592.9	680796.6	0.244684	0.019635	0.039348	0.062018	Normal
767224.5	647901.3	-0.24387	0.088893	0.140284	0.060603	Normal
23887.69	117490.6	2.298206	0.004167	0.010521	0.060439	Up
660397.1	568684	-0.21571	0.003128	0.008492	0.060047	Normal
125217	255498.3	1.028884	0.149014	0.214393	0.0599	Normal
193637.2	281173.5	0.538104	0.000866	0.003078	0.059224	Normal
371611.2	461181.9	0.311542	0.004642	0.011491	0.059133	Normal
274473	179139.7	-0.61558	0.016478	0.033554	0.059083	Normal
394291.6	156588.3	-1.33229	0.502337	0.581899	0.058091	Normal
222558.4	129509.9	-0.78112	0.024049	0.046002	0.057615	Normal
360042.9	263825.1	-0.44859	0.03663	0.064453	0.057374	Normal
1928600	1788592	-0.10873	0.280855	0.360894	0.055486	Normal
1151917	1266112	0.136369	0.176551	0.245615	0.054593	Normal
21828.11	126105.8	2.530376	0.129663	0.193156	0.054278	Normal
1516313	1698469	0.163668	0.432221	0.512375	0.054129	Normal
167559.1	27769.22	-2.59311	0.320857	0.403067	0.053241	Normal
163091.4	95611.38	-0.77043	0.000252	0.001261	0.052397	Normal
1114641	1026756	-0.11849	0.079316	0.12797	0.052349	Normal
395360	467008.5	0.240282	0.009711	0.021048	0.052159	Normal
118333.6	194633	0.717896	0.027298	0.050979	0.05212	Normal
81956.07	16075.9	-2.34995	1.64E-05	0.00025	0.051986	Down
1710595	1597295	-0.09887	0.220751	0.298872	0.051822	Normal
16514107	16135799	-0.03343	0.73861	0.785259	0.051816	Normal
127984.8	224454.3	0.81045	0.142604	0.207536	0.051201	Normal
35207.73	100487.2	1.513047	0.002997	0.00823	0.050652	Up
256727	324337.1	0.337259	0.011887	0.025117	0.050356	Normal
91072.49	28891.59	-1.65637	0.000527	0.002094	0.050158	Down
92416.59	19732.71	-2.22756	0.041539	0.071594	0.049997	Normal

79681.94	18758.71	-2.08669	8.84E-05	0.000666	0.049897	Down
286917.5	223628.8	-0.35953	0.004283	0.010761	0.04973	Normal
3794457	3586884	-0.08116	0.560914	0.637976	0.049565	Normal
44258.35	105818.4	1.257569	0.001435	0.004593	0.049472	Up
52905.15	190778.3	1.850417	0.395922	0.478327	0.048696	Normal
157024.6	95408.84	-0.7188	0.007821	0.017475	0.048453	Normal
79259.65	138728.9	0.80761	0.004823	0.011765	0.048091	Normal
67927.72	11658.34	-2.54264	0.00028	0.001298	0.047809	Down
213967.7	143036	-0.58102	0.072869	0.118863	0.047457	Normal
66556.6	125499.7	0.915031	0.009883	0.021329	0.047343	Normal
97904.48	152790.6	0.642109	0.000823	0.002967	0.046948	Normal
36489.05	91476.87	1.325943	0.002014	0.006018	0.046714	Up
82525.35	28781.96	-1.51967	0.003721	0.009685	0.045828	Down
259323.1	311789	0.26582	0.005481	0.013056	0.045023	Normal
79683.51	131463.9	0.722314	0.003981	0.010116	0.044979	Normal
73485.03	162814.7	1.147708	0.284918	0.364263	0.044147	Normal
1058908	1169864	0.143763	0.413938	0.493362	0.043856	Normal
1044937	962628.1	-0.11837	0.245729	0.325704	0.043109	Normal
164507.3	118819.9	-0.46937	0.006433	0.015109	0.041961	Normal
83001.74	38473.39	-1.10928	0.003368	0.009048	0.041839	Down
14635.75	56914.86	1.959309	2.10E-06	7.08E-05	0.041663	Up
83336.61	19440.84	-2.09986	0.169767	0.23898	0.041241	Normal
744610.8	812399.8	0.125703	0.193948	0.266877	0.041228	Normal
85525.41	127108.2	0.571632	0.002615	0.007461	0.04056	Normal
70993.9	15776.27	-2.16994	0.106656	0.163712	0.040513	Normal
323771.3	380394.6	0.232522	0.125991	0.189926	0.040512	Normal
24801	64813.66	1.3859	0.00082	0.002967	0.040165	Up
114102.5	69452.87	-0.71622	0.026682	0.050091	0.039974	Normal
309956.6	245113.7	-0.33861	0.219214	0.297589	0.039358	Normal
186091.5	141543.8	-0.39476	0.039213	0.067818	0.03927	Normal
33107.6	120780.8	1.867157	0.388681	0.472973	0.039077	Normal
50512.29	88380.06	0.807087	0.002568	0.007368	0.038689	Normal
1635435	1529961	-0.09618	0.502392	0.581899	0.038651	Normal
1335821	1461128	0.129356	0.590711	0.662909	0.038633	Normal
224964.5	172743	-0.38107	0.125514	0.189774	0.038521	Normal
131026.6	175915.5	0.425023	0.072965	0.118863	0.038009	Normal
137728.8	181581.6	0.398788	0.058405	0.096703	0.037763	Normal
58581.36	123845.3	1.080025	0.300727	0.382537	0.03733	Normal
1398298	1475771	0.077797	0.380261	0.465898	0.037008	Normal
12147.31	45608.63	1.90867	0.000114	0.000767	0.036931	Up
170721	216581.6	0.343271	0.106116	0.16338	0.036766	Normal
182736.6	229050.9	0.325902	0.11417	0.173662	0.036611	Normal
712223.5	899032.6	0.336044	0.754245	0.79654	0.035948	Normal
930584.1	985132.7	0.082181	0.234827	0.314556	0.035812	Normal
93529.85	58000.28	-0.68937	0.022183	0.043759	0.035614	Normal
83266.69	49198.05	-0.75914	0.018473	0.037168	0.035348	Normal
88782.94	122582.4	0.465398	0.01542	0.031655	0.035174	Normal
43694.55	73818.19	0.756523	0.002012	0.006018	0.034569	Normal
59120.5	29181.76	-1.01859	0.002563	0.007368	0.034423	Down
682184.5	725930.5	0.089669	0.16027	0.228634	0.034301	Normal
276940.4	227794.6	-0.28184	0.235671	0.314851	0.034115	Normal
50484.41	22207.11	-1.18482	0.000239	0.00122	0.033904	Down
208947.2	146145.9	-0.51573	0.398058	0.47976	0.033279	Normal

3031437	3103796	0.034032	0.468182	0.547349	0.032933	Normal
113735.5	87390.6	-0.38013	0.000733	0.002721	0.032518	Normal
20470.05	61417.98	1.585146	0.191296	0.263946	0.032517	Normal
65014.42	93381.53	0.522378	0.022047	0.043663	0.032111	Normal
39902.05	15149.4	-1.3972	0.00352	0.00926	0.03104	Down
178406.8	98177.73	-0.8617	0.594862	0.664613	0.031026	Normal
235438.9	187545.1	-0.32812	0.326343	0.408941	0.03073	Normal
26793.43	52642.96	0.974361	0.025688	0.048952	0.030406	Normal
494322.7	539114.3	0.125138	0.31535	0.398129	0.030285	Normal
33928.95	87543.28	1.367479	0.419933	0.498979	0.03009	Normal
490992.8	460782.3	-0.09162	0.102884	0.158888	0.030087	Normal
107142.5	152737.1	0.51152	0.376983	0.463203	0.029193	Normal
324885.7	362814.9	0.159301	0.259043	0.338903	0.029174	Normal
35374	14644.11	-1.27237	0.000804	0.002943	0.028848	Down
23126.83	46637.09	1.01191	0.026575	0.050077	0.028837	Normal
44989.55	21429.56	-1.06999	0.051715	0.087345	0.028031	Normal
32820.65	12537.39	-1.38837	0.006353	0.014991	0.027856	Down
51804.25	19632.75	-1.39981	0.265357	0.343603	0.027004	Normal
36273.99	59498.44	0.713916	0.077706	0.125774	0.026988	Normal
11664.65	37685.97	1.691885	0.142524	0.207536	0.026987	Normal
55332.3	37739.94	-0.55203	0.000492	0.002037	0.026658	Normal
144092.8	114824.1	-0.32757	0.212441	0.289954	0.02657	Normal
669789.5	612058.1	-0.13004	0.597721	0.666333	0.02605	Normal
35240.68	52920.96	0.586598	0.015693	0.032085	0.02559	Normal
384234.8	423496.7	0.140362	0.413855	0.493362	0.025526	Normal
60387.7	78486.75	0.378194	0.026075	0.049319	0.025466	Normal
777137.7	877067	0.174517	0.747222	0.792746	0.0254	Normal
50665.36	72845.77	0.523846	0.126884	0.190308	0.025354	Normal
49015.79	32488	-0.59334	0.005987	0.014194	0.025228	Normal
25834.08	59660.96	1.207512	0.346384	0.430846	0.025224	Normal
4944.038	20628.46	2.060874	0.001541	0.004832	0.024969	Up
55707.88	73910.44	0.407897	0.037781	0.066018	0.024927	Normal
22748.05	43325.07	0.929459	0.095883	0.14991	0.024924	Normal
23976.41	45576.2	0.926665	0.115211	0.174719	0.024873	Normal
113408.8	87739.65	-0.37023	0.258092	0.338536	0.024347	Normal
2851740	2928978	0.038555	0.730044	0.778707	0.023795	Normal
40969.22	19768.39	-1.05134	0.166756	0.235888	0.0235	Normal
11409.07	27154.14	1.250992	0.04851	0.082292	0.022981	Normal
35482.75	16465.28	-1.10769	0.164398	0.233204	0.022619	Normal
77767.83	113847.7	0.549859	0.511659	0.591277	0.022329	Normal
31347.66	43764.4	0.4814	0.003806	0.009856	0.022032	Normal
525653.8	547148.9	0.05782	0.277388	0.357349	0.021506	Normal
8375.885	27217.95	1.700245	0.231316	0.310677	0.020975	Normal
18619.98	31070.78	0.738707	0.030056	0.055194	0.020837	Normal
52235.73	88909.13	0.767295	0.605699	0.67374	0.020365	Normal
54194.88	71776.49	0.405355	0.250806	0.331192	0.020113	Normal
18639.14	7572.292	-1.29953	0.02291	0.044499	0.019875	Down
34089.04	20219.47	-0.75356	0.13987	0.205333	0.019818	Normal
106043.8	130645.5	0.300996	0.457636	0.538709	0.019602	Normal
16661.01	30742.19	0.883744	0.157658	0.225544	0.019356	Normal
21236178	21390470	0.010444	0.904416	0.92643	0.019285	Normal
167114.3	144844.2	-0.20633	0.407838	0.490377	0.019253	Normal
770610.3	740479.1	-0.05754	0.56357	0.639557	0.018859	Normal

112354.9	99937.11	-0.16897	0.131557	0.195401	0.018858	Normal
25694.26	16366.36	-0.65071	0.007183	0.016267	0.018833	Normal
492531.6	523541.7	0.088088	0.575999	0.650737	0.018823	Normal
112335.8	94815.7	-0.24462	0.31755	0.399908	0.018763	Normal
34714.69	24012.35	-0.53177	0.082492	0.13183	0.018198	Normal
47284.85	56286.41	0.251409	0.022527	0.044094	0.018037	Normal
25903.18	17682.05	-0.55084	0.004429	0.011073	0.017834	Normal
9435.254	19353.1	1.036432	0.097465	0.151913	0.017427	Normal
16314.21	24002	0.557025	0.006851	0.015655	0.017123	Normal
56816.22	48178.69	-0.23791	0.053752	0.090483	0.016921	Normal
269797.4	284844.4	0.078298	0.354095	0.439356	0.016817	Normal
16203.48	23207.17	0.518267	0.005013	0.012114	0.016495	Normal
62900.18	43311.35	-0.53832	0.534154	0.614459	0.016373	Normal
54230.83	43896.66	-0.305	0.183267	0.254258	0.016273	Normal
2852676	2909416	0.028414	0.831108	0.859494	0.016151	Normal
76195	84958.59	0.157063	0.135036	0.19998	0.01562	Normal
79043.39	93559.84	0.243245	0.41023	0.492082	0.015601	Normal
51780.43	30062.49	-0.78444	0.592038	0.662925	0.015437	Normal
261748.5	221022.3	-0.24399	0.795497	0.828301	0.014808	Normal
188246.8	205570.2	0.127006	0.577371	0.650831	0.014431	Normal
2814418	2782126	-0.01665	0.765301	0.803486	0.014349	Normal
291313	310832.6	0.093568	0.627	0.691212	0.013954	Normal
156814.5	138950.9	-0.17448	0.62825	0.691212	0.013942	Normal
18765.17	13745.62	-0.44909	0.055222	0.092341	0.012934	Normal
17184.56	12577.87	-0.45022	0.054648	0.091686	0.012372	Normal
15719.59	10371.17	-0.59998	0.127375	0.190308	0.012342	Normal
28044.8	35386.29	0.335457	0.342455	0.42721	0.011873	Normal
15116.99	18439.72	0.286646	0.001072	0.003658	0.011518	Normal
762089.4	731979.5	-0.05816	0.833965	0.859494	0.011378	Normal
93559.32	104736.9	0.162816	0.61334	0.68074	0.011178	Normal
72245.38	77770.61	0.10632	0.28746	0.366585	0.010811	Normal
126507.8	131399.3	0.054731	0.264607	0.343603	0.010592	Normal
35731.96	49718.97	0.476581	0.715538	0.768822	0.010589	Normal
153712.4	163585.9	0.089815	0.62807	0.691212	0.010319	Normal
46288.02	58849.38	0.346388	0.69718	0.752276	0.010018	Normal
47738.36	51783.07	0.117331	0.217662	0.296278	0.009847	Normal
27740.37	35135.93	0.34096	0.558557	0.63673	0.009394	Normal
10050.17	5386.76	-0.89973	0.372571	0.46002	0.009364	Normal
30090.4	26942.73	-0.15941	0.161282	0.229429	0.009195	Normal
18904.55	13395.09	-0.49703	0.484553	0.565125	0.009168	Normal
46389.29	50607.33	0.125554	0.360782	0.446556	0.008801	Normal
32704.82	28683.56	-0.18928	0.37414	0.46083	0.008637	Normal
354089.7	387463	0.129944	0.902815	0.92643	0.008596	Normal
28712.84	24829.85	-0.20962	0.385948	0.470782	0.008422	Normal
35796.03	42000.07	0.230592	0.587848	0.661166	0.008261	Normal
276019.5	267308.4	-0.04626	0.730806	0.778707	0.008215	Normal
283631.3	274105.3	-0.04929	0.76043	0.800036	0.008183	Normal
273442.1	284660.6	0.058007	0.8336	0.859494	0.007454	Normal
25063.06	32249.49	0.363713	0.77564	0.810969	0.006849	Normal
2297209	2268153	-0.01836	0.933692	0.950634	0.00678	Normal
38483.64	34279.51	-0.1669	0.672925	0.730811	0.006227	Normal
12081.53	13553.73	0.165886	0.251181	0.331192	0.005788	Normal
2686204	2699376	0.007057	0.916133	0.936533	0.005445	Normal

9581.277	12459.99	0.379013	0.635248	0.697391	0.005387	Normal
54600.6	50956.7	-0.09965	0.721811	0.773916	0.005172	Normal
35363.26	39746.26	0.168568	0.785815	0.81991	0.005158	Normal
2248.004	3385.241	0.590614	0.262228	0.342184	0.005092	Normal
28641.13	31107.63	0.11918	0.678952	0.735774	0.004545	Normal
46064.69	48042.84	0.06066	0.66492	0.725237	0.004256	Normal
15658.28	14387.56	-0.1221	0.500699	0.581899	0.004182	Normal
8387.429	6452.279	-0.37842	0.698648	0.752276	0.004042	Normal
58974.79	60566.21	0.038415	0.649176	0.709597	0.004029	Normal
14910.57	13624.64	-0.13012	0.551029	0.62957	0.004007	Normal
34030.95	35346.29	0.054711	0.618887	0.68539	0.003689	Normal
144001.2	141023.9	-0.03014	0.844864	0.868953	0.003445	Normal
25517.64	24381.45	-0.06571	0.645602	0.707221	0.003357	Normal
45451.17	44522.3	-0.02979	0.572416	0.648139	0.003342	Normal
11170.79	12885.78	0.206048	0.75553	0.79654	0.003244	Normal
8352.51	9634.776	0.206041	0.769629	0.806354	0.002865	Normal
111152.4	112792.3	0.02113	0.831484	0.859494	0.002809	Normal
11743.43	10587.26	-0.14952	0.815265	0.847137	0.002307	Normal
24623.66	24081.15	-0.03214	0.749178	0.793155	0.001945	Normal
1301295	1326806	0.02801	0.982913	0.99062	0.001419	Normal
8203.654	8469.302	0.045976	0.929514	0.948292	0.000761	Normal
159530	160719	0.010712	0.964594	0.976192	0.000661	Normal
546828.6	545827	-0.00264	0.997205	0.997205	0.000613	Normal
26353.54	26026.71	-0.018	0.985239	0.99062	0.000532	Normal
6794.281	6531.304	-0.05695	0.96334	0.976192	0.000459	Normal
15534.74	15576.97	0.003916	0.957917	0.973336	0.000185	Normal
59943.51	60006.99	0.001527	0.988658	0.99062	0.000144	Normal
29199.63	29301.9	0.005044	0.982959	0.99062	0.000141	Normal
197004.2	195823.7	-0.00867	0.986758	0.99062	2.88E-05	Normal