

row	S-B-1	S-B-2	S-B-3	H-B-1	H-B-2	H-B-3	control_me:
Rrp0680	1.8E+08	1.99E+08	1.92E+08	8.45E+08	8.16E+08	7.29E+08	1.9E+08
Rrp0681	1.88E+08	2.01E+08	1.88E+08	8.01E+08	8.01E+08	7.42E+08	#####
Rrp0679	1.79E+08	1.98E+08	1.91E+08	8.02E+08	7.76E+08	7.33E+08	1.9E+08
Rrp0686	1.78E+08	2.01E+08	1.82E+08	8.18E+08	7.73E+08	6.89E+08	1.87E+08
Rrp0668	4.09E+08	4.12E+08	3.89E+08	9.74E+08	8.77E+08	8.62E+08	4.03E+08
Rrp0547	3.55E+08	3.83E+08	3.67E+08	8.69E+08	8.27E+08	8.05E+08	3.68E+08
Rrp0669	4.25E+08	4.54E+08	4.2E+08	9.29E+08	8.94E+08	8.63E+08	4.33E+08
Rrp0165	1.33E+09	1.24E+09	1.27E+09	9.59E+08	9.21E+08	9.09E+08	1.28E+09
Rrp0546	5.07E+08	5.61E+08	4.62E+08	8.45E+08	7.72E+08	8.24E+08	5.1E+08
Rrp0522	8.98E+08	9.3E+08	8.83E+08	7.33E+08	7.18E+08	7.29E+08	9.04E+08
Rrp0228	2.92E+08	3.26E+08	3.01E+08	1.56E+08	1.44E+08	1.45E+08	3.06E+08
Rrp0530	20533690	21731365	20313476	1.84E+08	1.65E+08	1.38E+08	20859510
Rrp0654	46241179	49500642	45751697	1.63E+08	1.29E+08	1.56E+08	47164506
Rrp0529	5.93E+08	6.14E+08	5.54E+08	5.19E+08	4.19E+08	4.92E+08	5.87E+08
Rrp0359	9.65E+08	1E+09	9.58E+08	8.9E+08	8.74E+08	8.77E+08	9.75E+08
Rrp0655	46177123	49699437	49890635	1.53E+08	1.36E+08	1.26E+08	48589065
Rrp0366	1.13E+08	1.17E+08	1.06E+08	2.16E+08	1.97E+08	1.93E+08	1.12E+08
Rrp0321	99717396	1.07E+08	1.04E+08	19317875	18606192	17979898	1.04E+08
Rrp0582	1.04E+08	1.09E+08	99678254	2.04E+08	1.8E+08	1.86E+08	1.04E+08
Rrp0361	9.36E+08	9.94E+08	9.53E+08	8.74E+08	8.77E+08	8.84E+08	9.61E+08
Rrp0305	15012776	11792211	12644959	89451639	83499310	80105794	13149982
Rrp0684	1.54E+08	1.47E+08	1.49E+08	2.3E+08	2.26E+08	2.05E+08	1.5E+08
Rrp0692	3081128	3087581	2981126	70329705	75236709	66592677	3049945
Rrp0674	1.35E+08	1.45E+08	1.28E+08	2.09E+08	2.08E+08	1.96E+08	1.36E+08
Rrp0549	10995671	12652246	11738123	82067652	76892796	71171523	11795347
Rrp0055	2.16E+08	2.07E+08	1.93E+08	1.7E+08	1.53E+08	1.52E+08	2.05E+08
Rrp0651	79398706	76952585	73519483	1.37E+08	1.21E+08	1.1E+08	76623591
Rrp0481	62598565	71587400	60452809	25237459	24618633	21051462	64879591
Rrp0480	60578809	67558232	58101062	24664702	23251554	21959528	62079368
Rrp0386	2.06E+08	2.28E+08	2.13E+08	1.91E+08	1.78E+08	1.59E+08	2.16E+08
Rrp0509	4724787	5300691	4742571	41107844	32867461	30913945	4922683
Rrp0293	12243032	12379279	12441131	42914643	36681906	37225433	12354481
Rrp0688	32234917	33089459	29757530	8709275	9447801	8065156	31693969
Rrp0517	35497130	35614272	39579309	17880488	16781230	15311045	36896904
Rrp0098	52226281	50653316	52049210	33147222	34601615	35086378	51642935
Rrp0652	2.43E+08	2.64E+08	2.6E+08	2.96E+08	2.77E+08	2.64E+08	2.56E+08
Rrp0538	1.18E+09	1.18E+09	1.19E+09	1.16E+09	1.16E+09	1.17E+09	1.18E+09
Rrp0096	48816800	48346047	47660163	29491594	32276563	32391441	48274337
Rrp0670	30383988	27895761	31179946	52189029	47046713	40614719	29819898
Rrp0598	5206024	6004213	5101111	22265662	19544313	19189988	5437116
Rrp0515	12670245	12458994	11406557	30253308	26031413	25203645	12178599
Rrp0148	42337533	48053581	41177044	31123220	27404838	27819945	43856053
Rrp0554	52579595	41034863	32017208	57029362	61449276	56607152	41877222
Rrp0510	30580477	32426288	29318711	20084531	18323861	18790634	30775159
Rrp0511	9037669	8433704	9959348	21030862	19717823	20469811	9143573
Rrp0512	28661767	30503458	27405107	18564294	17378327	16872199	28856777
Rrp0600	4228829	5720100	4918109	15894992	14514977	16240176	4955679
Rrp0507	25381432	26735205	26659048	15355222	16396995	15494959	26258562
Rrp0122	33509336	31038697	29062582	21946513	19935698	19479798	31203538
Rrp0664	2.53E+08	2.61E+08	2.5E+08	2.54E+08	2.38E+08	2.27E+08	2.55E+08
Rrp0333	1.37E+08	1.29E+08	1.33E+08	1.41E+08	1.44E+08	1.47E+08	1.33E+08
Rrp0672	439420.8	473370.1	530514.4	10924577	11157571	9746623	481101.8

Rrp0455	34158231	32983673	29465242	49032398	40134717	41911695	32202382
Rrp0368	8712443	7909645	7436440	21995525	18411337	14689356	8019509
Rrp0513	3892734	4625084	3653517	14962629	12569212	13320335	4057112
Rrp0564	202723.3	209278.9	230061.2	9302177	8461343	8062043	214021.1
Rrp0673	6381186	6657657	6006031	15691480	15368588	13289107	6348292
Rrp0229	13737010	16066473	12496424	6742584	5460122	5541901	14099969
Rrp0665	21553457	21570066	19415922	28923171	30603578	27262192	20846482
Rrp0685	3365162	4335036	3536279	13174792	11656394	10222459	3745492
Rrp0508	3239876	3718753	3063969	12505367	10208081	10414756	3340866
Rrp0514	12073098	7434869	7879544	22919966	16126459	14349519	9129170
Rrp0339	31506782	30537287	36399858	42799206	38741997	41058107	32814642
Rrp0569	5386791	5556825	5537948	14395103	11826139	12023177	5493855
Rrp0649	17261698	19923593	182771.1	21127518	22328121	27541190	12456021
Rrp0456	33188695	39014024	33723883	46317084	44069800	40001041	35308867
Rrp0143	20632812	22496614	19815123	16015431	12833025	13030477	20981516
Rrp0328	1070882	1361157	1356566	7144047	7994846	7346854	1262868
Rrp0223	61567775	55206982	62771206	68117046	65430942	67414158	59848654
Rrp0568	8352769	10232486	8297283	16533399	14704398	14071056	8960846
Rrp0648	1525262	11586839	14484181	1416515	1123100	1071205	9198761
Rrp0440	2.57E+08	2.2E+08	2.03E+08	2.24E+08	1.99E+08	2.15E+08	2.27E+08
Rrp0190	76877.81	769925.7	972994.1	5861573	5799633	7241871	606599.2
Rrp0102	42810675	40599902	42725311	35555468	35854048	37366235	42045296
Rrp0690	360220.7	428813.4	458642.7	6773046	5641935	5504288	415892.3
Rrp0754	21275125	20880186	19646907	15053851	10710269	17390269	20600739
Rrp0643	4331493	5276596	4966712	11957976	9556306	9803971	4858267
Rrp0112	14143793	15317965	15003918	24591446	19880125	18449898	14821892
Rrp0626	2656207	3006290	2517333	7951360	7824552	8111333	2726610
Rrp0565	7931537	7947402	7843035	14479759	12654780	12381677	7907325
Rrp0466	857527	1000919	764948.4	6554257	5962311	5474152	874464.6
Rrp0047	1202283	1242262	1069801	6548997	5604490	5586187	1171449
Rrp0467	846504.6	904601.3	737409.3	4376725	5910162	5528646	829505.1
Rrp0720	426478.7	434447.8	392611	5511669	4283752	4403416	417845.8
Rrp0640	5905979	5025357	4245967	10720783	8545506	9447287	5059101
Rrp0641	248970.2	245225.7	267541.9	4560040	4102389	4180553	253912.6
Rrp0650	2362255	2513002	2897046	6421069	5686181	8377413	2590767
Rrp0383	8.98E+08	8.91E+08	8.85E+08	9.02E+08	8.99E+08	8.91E+08	8.91E+08
Rrp0438	1.69E+08	1.91E+08	1.96E+08	2.15E+08	1.7E+08	2.06E+08	1.85E+08
Rrp0008	8974405	8865625	8960643	12219238	12234557	12993511	8933558
Rrp0464	16720974	1330075	13018597	17842448	14877491	16463925	10356548
Rrp0402	1464492	1575892	58050.77	4953633	4061280	4278621	1032812
Rrp0197	14389165	14528459	14833104	11504373	11172381	11693660	14583576
Rrp0474	7956968	9867408	8292391	6096245	4776096	5662908	8705589
Rrp0527	5.08E+08	5.4E+08	5.04E+08	5.27E+08	4.91E+08	5.07E+08	5.17E+08
Rrp0644	14792826	17700130	15677614	12775224	13901851	11372778	16056857
Rrp0121	4968504	4778388	4996683	2052054	2166772	2176951	4914525
Rrp0164	4040537	3963825	4364358	1525706	1395734	1231574	4122907
Rrp0191	9839478	10271128	9223700	7520830	7105935	6211671	9778102
Rrp0453	4605049	4571413	3847472	1775941	1668118	1505016	4341311
Rrp0090	1.02E+08	97215512	1.04E+08	1.04E+08	1.12E+08	1.01E+08	1.01E+08
Rrp0452	4162171	3732208	3684145	1308680	1252742	1241561	3859508
Rrp0119	13572818	15834558	13441181	12336455	11267573	10138020	14282852
Rrp0696	1758056	1790673	1785393	4430974	3737630	4811918	1778041
Rrp0678	4617157	4032106	4062747	6714076	7082173	6283280	4237337

Rrp0087	14830846	17727872	18650552	22673803	20234038	18348381	17069757
Rrp0160	3552541	4682049	3492397	1541105	1401104	1339378	3908996
Rrp0548	1217307	1461207	1096239	3464630	3560986	3805461	1258251
Rrp0661	2124921	2336028	1991769	4898908	4218078	4300078	2150906
Rrp0406	1853196	2875569	2607639	5301388	4520208	4459002	2445468
Rrp0454	2949732	3577691	3443476	1269545	932456.4	1299136	3323633
Rrp0465	2204563	2041989	2138020	4484304	4436378	3887882	2128191
Rrp0606	40969736	45421448	37029250	34668841	38990314	38754383	41140145
Rrp0026	19329250	18568081	18763439	17074790	16151635	16974960	18886923
Rrp0100	500423.6	526691.4	430872.3	2931881	2511324	2257832	485995.8
Rrp0103	23039145	21405295	22146033	24419613	24433183	24235449	22196824
Rrp0683	1144495	780303.5	630249.4	3335948	2664609	2656635	851682.6
Rrp0404	1791689	1788272	1612009	3509001	3939051	3568176	1730657
Rrp0327	320128.9	351100.3	397943.7	2526038	2121626	2120377	356390.9
Rrp0171	5165367	5048484	4946325	3395125	3107779	3045638	5053392
Rrp0701	1318952	1433100	1299920	3334636	3081256	3185791	1350658
Rrp0422	377223.4	310631.6	441788.9	2218957	2121244	2250179	376548
Rrp0540	23588.16	35740.32	33695.72	25140.24	3447077	4093787	31008.07
Rrp0755	7789279	8884633	8525212	7083339	6320299	6216172	8399708
Rrp0523	52382.02	483523	58201.58	792567.8	7690258	823747.9	198035.5
Rrp0311	4719026	4730678	4168978	3957278	1854292	1782155	4539561
Rrp0363	471707	465870.4	502382.1	2374273	1982665	2010872	479986.5
Rrp0528	1.45E+08	1.64E+08	1.49E+08	1.65E+08	1.31E+08	1.44E+08	1.53E+08
Rrp0493	1257686	1264726	1111246	2899180	3722481	2246686	1211219
Rrp0332	3026952	3348967	3252100	1750797	1574630	1443552	3209340
Rrp0676	600164.1	687675	726058.2	2244071	2038696	2113532	671299.1
Rrp0567	10377193	8004135	9807566	7796513	7459152	7334287	9396298
Rrp0306	3263701	3821499	3725688	5523125	4714535	5212945	3603629
Rrp0610	11254424	13550553	10541572	10254933	9955343	9447967	11782183
Rrp0324	3660293	4299819	3607363	7259921	6425360	3796032	3855825
Rrp0309	3801179	5265932	4402597	7422372	5055998	6651272	4489903
Rrp0188	7.52E+08	7.26E+08	7.57E+08	7.81E+08	7.35E+08	7.39E+08	7.45E+08
Rrp0201	1792206	1684017	1630564	425414.3	369715.1	399817.7	1702262
Rrp0014	2.41E+08	2.55E+08	2.36E+08	2.61E+08	2.46E+08	2.38E+08	2.44E+08
Rrp0115	2016432	1997113	1907327	815115.4	611605.3	786187.6	1973624
Rrp0415	782407.3	931359.5	845817	2447657	1964306	1882653	853194.6
Rrp0174	208063.2	292023.5	255310.8	1579557	1575419	1195775	251799.1
Rrp0645	23597728	24815347	21212982	27471358	26244034	22564252	23208685
Rrp0072	7334591	8748777	6433411	9475990	8801358	8973217	7505593
Rrp0431	894002.3	997818	1061288	1895643	1559193	4810082	984369.4
Rrp0541	148231.9	237015.1	211280.6	2181705	1123197	936650.1	198842.5
Rrp0532	609270.8	520458	660525.2	1955002	1644607	1341043	596751.4
Rrp0764	318853.2	360193.4	339598.5	1523945	1165651	1363457	339548.4
Rrp0075	2250196	2427321	2356192	1539074	1333561	1100350	2344570
Rrp0436	273789.9	391648.4	389498.4	1359521	1232482	1373125	351645.6
Rrp0205	2200693	2444764	2136358	1295093	1269774	1341899	2260605
Rrp0330	1180171	1284220	1050003	243055.8	264521.4	169593.1	1171465
Rrp0388	1342771	1452223	1216029	441608.8	397012.7	380983.5	1337008
Rrp0036	2505397	2445169	2619960	1885846	1389292	1503752	2523509
Rrp0318	20486828	22506404	20162869	25977128	21629334	21133966	21052034
Rrp0519	609002.2	582770	642440.6	1372469	1549181	1447808	611404.3
Rrp0319	19868592	22139226	19616120	24679373	20972334	21059489	20541312
Rrp0074	2053521	2210654	1935687	1473137	982978.6	1159523	2066621

Rrp0242	51231.49	28554.66	40648.17	881673.1	801450.6	829619.3	40144.77
Rrp0278	2007157	1971953	1926234	3112901	2684171	2515174	1968448
Rrp0607	2320079	2398763	2272309	1653754	1568650	1547102	2330384
Rrp0441	13347996	15172975	13606565	17026811	13560065	15907148	14042512
Rrp0531	395735.7	175905.3	651699.7	950930.5	1072831	1761600	407780.2
Rrp0063	4836411	5562603	5165166	4773030	4046418	4198491	5188060
Rrp0334	961717.3	956711	904126.6	271890.4	260229.9	183407	940851.6
Rrp0317	20405634	21989760	20125184	24437912	21904776	20386518	20840192
Rrp0088	2393473	2598604	2259756	1703045	1799311	1691275	2417278
Rrp0238	83882.24	77900.47	4474316	149969.8	12836.89	98927.3	1545366
Rrp0038	328633.9	289088.5	343697.9	1221346	866182	806366.4	320473.4
Rrp0060	4760695	5204071	4828939	4435836	4320224	3953400	4931235
Rrp0586	716707.3	807602	759126.5	1483522	1069027	1933307	761145.3
Rrp0185	2646430	2623249	2345881	3775971	3054645	2955543	2538520
Rrp0011	1.16E+08	1.17E+08	1.12E+08	1.24E+08	1.15E+08	1.13E+08	1.15E+08
Rrp0329	743922.9	669033.2	602735.9	99895.59	98474.42	88373	671897.3
Rrp0577	430814.8	612171	524006	1186586	975692.2	1115749	522330.6
Rrp0065	5110913	5658706	5092937	5128861	4365473	4177959	5287519
Rrp0208	707407	880296.1	802378.6	235774.5	251531.8	289461.3	796693.9
Rrp0158	3681752	4108185	3767042	3529882	3066600	3100510	3852327
Rrp0097	424612.6	390209.1	390862.7	962184.8	957680.6	829715.2	401894.8
Rrp0588	3779815	4250080	3249978	3098178	3149580	3060656	3759958
Rrp0675	101145.5	78261.5	98008.51	695622	525127.5	523353.4	92471.82
Rrp0150	143908.6	94964.84	40674.34	632487.3	468046.4	683575.9	93182.59
Rrp0728	658075	568484.2	581464.9	119728.8	128703.9	124336.6	602674.7
Rrp0667	26671.04	28829.89	28191.28	525697.8	479325.7	476638.3	27897.4
Rrp0159	3084434	3382062	2920414	3664164	3581021	3711206	3128970
Rrp0312	1458106	794617.7	793606.9	694740.3	249740.6	318445.2	1015443
Rrp0044	2997063	3971865	2156228	2511191	2133269	2256744	3041719
Rrp0256	629489.9	610314	699124.3	214240.6	170321	203127	646309.4
Rrp0417	3199168	2820129	3213092	2863217	2375075	2304895	3077463
Rrp0251	671915.9	536897	629869.7	1020267	1130367	987375.5	612894.2
Rrp0725	1285193	144239.7	1130981	208815.7	196170.6	204895.3	853471.3
Rrp0392	9998079	11295916	9641719	10464820	9004705	9087064	10311905
Rrp0489	35563933	38355692	33474449	37190108	32240735	34285451	35798025
Rrp0192	5435191	5658370	5727372	6462184	6317327	5640915	5606978
Rrp0181	2081640	1928242	2509837	1865424	1809842	1034382	2173239
Rrp0753	14765975	9935413	13031602	13492401	9754759	10886556	12577663
Rrp0630	345836.6	327190.6	335044.1	706544	766129.9	649722	336023.7
Rrp0046	2655298	3375088	2703165	2526740	2339604	2380074	2911184
Rrp0742	835867.1	1127442	1325976	659266.4	670633.7	655563.3	1096428
Rrp0617	85649.62	81873.45	94420.13	505022	379047.9	456933.9	87314.4
Rrp0357	117185.8	182683.7	261093.3	2335093	307918.3	144121.8	186987.6
Rrp0345	16617567	21958667	19588086	19149071	17742516	18113366	19388107
Rrp0490	2281428	3106122	2509202	3494612	3124053	2857378	2632251
Rrp0219	334302.7	298016.5	493328.4	462978.3	1215752	811362.9	375215.9
Rrp0381	1345858	1660249	1516409	2016581	2101086	1641622	1507505
Rrp0697	3151893	4212152	3800334	4341987	4092240	4293862	3721460
Rrp0214	72746.34	72811.61	67306.95	38763.05	1777672	223096.2	70954.96
Rrp0042	623900.8	626271.5	606988.7	389813.5	276498.1	289833.4	619053.7
Rrp0390	1454208	1452511	1406202	1136230	1180202	1117800	1437640
Rrp0581	338854.3	382599.7	312233.7	613972.7	677450.6	601215.9	344562.6
Rrp0370	491109.5	551664.3	558825.4	828140.5	844110.2	766490.7	533866.4

Rrp0743	1974509	1978998	2086490	1578038	1637964	1888126	2013333
Rrp0212	1032417	964402.2	1049852	752531.2	713552.6	778908.2	1015557
Rrp0040	531037.6	627527.9	508128	350242.9	265528.7	221340.3	555564.5
Rrp0545	15775662	16990815	14386485	17877180	16103747	15489504	15717654
Rrp0376	127550.3	68343.28	22787.05	492527.4	334610.4	255769.9	72893.55
Rrp0492	276803.9	256184.9	197034.3	435265.2	506779.8	625372.6	243341
Rrp0647	238024.1	246334.7	196073.8	495583	535074.6	418773.4	226810.9
Rrp0213	597455	556243.6	509950.6	291984.4	288170.8	334347	554549.7
Rrp0449	423096.1	440872.6	374462.3	215879.3	168287.2	152905.3	412810.3
Rrp0409	287345.6	260390.6	304099.8	504420.2	520440.8	510661.9	283945.3
Rrp0638	1234375	1175982	1201512	1377693	1472927	1468624	1203956
Rrp0031	3254030	3322051	3179125	3562774	3521445	3419449	3251735
Rrp0752	78131.99	81086.15	64536.16	146488.7	154622	1289033	74584.77
Rrp0133	986704.8	908566.9	1004648	708372.5	743217.2	775916.6	966639.8
Rrp0621	212395.9	367486.3	298457.5	73721.75	76891.81	70108.89	292779.9
Rrp0280	367158.4	265579.3	239405.9	81253.43	68196.02	77723.32	290714.6
Rrp0078	279676.4	405340	316730.9	862147	485493.7	488265.9	333915.8
Rrp0572	650509.9	631316.6	612818.4	897437.9	747646.6	941384.8	631548.3
Rrp0108	1301134	1430053	1372574	1168679	1104468	1198568	1367920
Rrp0350	324824.4	363421.3	286876.5	163817.3	115588.8	88540.88	325040.7
Rrp0408	100476.3	158896.1	170248.4	371344.2	367665.7	294078.3	143206.9
Rrp0130	1930913	2067698	1727880	1748622	1527104	1698799	1908831
Rrp0052	481534.4	462128.1	478619.5	791011.1	653908.6	611342.6	474094
Rrp0067	352131.7	292884.1	384042.5	151788.9	132529.2	154949.2	343019.4
Rrp0658	5991327	5887764	5894947	7565411	6167777	5489791	5924679
Rrp0585	2061064	2401323	1995657	2117717	1751307	1727878	2152681
Rrp0714	8330586	7210287	7470238	8763564	6091457	6376701	7670371
Rrp0270	493448.7	514525.2	454443.1	682555.8	649256.1	663617.4	487472.3
Rrp0379	67132.35	70775.31	60280.2	212830.7	236287.6	277595.3	66062.62
Rrp0053	510580.4	639975.4	522561.8	395701.5	378877	342833.9	557705.9
Rrp0589	3867364	3352522	3480193	3523166	3087763	3226496	3566693
Rrp0028	3077473	3047821	3212902	3527111	3123458	3436517	3112732
Rrp0562	73146.06	1021720	73865.11	56725.44	54800	52892.57	389577.1
Rrp0265	439554.2	434588.1	348193	644556.7	627740.4	497789	407445.1
Rrp0613	303595.8	355082.7	361563.6	482906.8	517753.7	491796.6	340080.7
Rrp0349	3722149	5232695	540049.3	5575338	559674.3	6286858	3164964
Rrp0758	16374.45	31712.62	10940.16	179025.1	161184.1	179392	19675.74
Rrp0169	606678.9	636155.1	607707.7	523746.1	430021.9	410812	616847.3
Rrp0727	177608.4	200198.2	178157.2	38904.59	40410.78	35296.67	185321.2
Rrp0147	867384.1	916617.3	812493	1026001	1174957	944272.5	865498.1
Rrp0069	291178.3	294462.8	254654.1	90692.84	151854.6	143807.1	280098.4
Rrp0035	681215.1	708875.7	702878	581364.9	497994.6	563918.3	697656.3
Rrp0032	3074213	3022232	3311121	3602063	3208127	3258687	3135855
Rrp0691	16768.3	16196.75	17146.26	232846.5	127492.2	127604.7	16703.77
Rrp0450	196219.2	189979.9	183201.3	57281.99	67250	50720.68	189800.1
Rrp0573	211443	198010.9	185382.4	77989.92	57259.54	70720.36	198278.8
Rrp0766	149720.9	15781.01	13729.73	205831.8	190575.9	233715.7	59743.87
Rrp0387	320478.3	223955.1	243596.8	153496	109694.8	106565.9	262676.7
Rrp0426	994142.7	921192	989186.2	1080367	1059493	1240445	968173.6
Rrp0263	67544.33	80038.23	712963.8	37236.75	46039.4	44493.07	286848.8
Rrp0642	177469.5	148521.9	150967.3	282868.4	272739.8	268447.8	158986.2
Rrp0544	71224.44	66097.31	66754.64	189604	274686.5	130855.1	68025.46
Rrp0391	439183.7	451098	399409.9	304989.1	304015.4	333607.6	429897.2

Rrp0534	659699.6	685141.8	611705.5	515880.9	411030.5	609323.4	652182.3
Rrp0006	794382.2	730578.8	828843.8	653240	627635.7	703345.5	784601.6
Rrp0542	197410.5	226459	197176.5	290575.2	322509.9	334991.9	207015.3
Rrp0070	2778238	2644662	2692063	2397345	2469966	2746914	2704988
Rrp0433	130118.4	149504.8	146602.4	35888.49	39527.02	42233.94	142075.2
Rrp0017	60327.96	60373.91	50935.64	148619.5	179450.2	153102.5	57212.5
Rrp0354	145779.7	47370.89	638624.5	77566.37	48159.06	71835.59	277258.4
Rrp0726	134801.3	128639.3	143357.4	35207.65	38722.44	35185.92	135599.3
Rrp0504	176975	292692.7	155072.3	394115.8	281253.3	343838.8	208246.7
Rrp0369	274604.1	314079.6	237468.3	433427.7	382689.6	351030.1	275384
Rrp0632	352026	344293.6	322381.4	481606.2	413721.3	442860.1	339567
Rrp0001	73715.69	64332.96	63760.03	711123	57668.82	76986.12	67269.56
Rrp0371	71626.12	11971.67	6007.5	118265.2	141598	140522.5	29868.43
Rrp0073	245754.8	32399.75	387450.8	55773.89	70671.88	69723.76	221868.5
Rrp0019	350155.6	306328.8	327422.2	446592.6	433587.8	387157.4	327968.9
Rrp0271	401246.4	438444	441429.9	510086.3	585857.7	485884.9	427040.1
Rrp0384	8.71E+08	8.75E+08	8.44E+08	8.79E+08	8.6E+08	8.55E+08	8.63E+08
Rrp0502	313813.7	73086.91	112444.7	28460.61	52609.3	27151.45	166448.4
Rrp0603	99162.26	102863.4	90828.5	194232.1	172970.9	184030.9	97618.06
Rrp0194	234441.3	348509.3	330756.5	290346.5	21604.15	203975.1	304569
Rrp0135	80460.99	109925.2	87654.8	163270.1	190998.4	184590.8	92680.34
Rrp0420	9467635	9054752	10813398	10237613	8910979	9120824	9778595
Rrp0405	128603.2	172928	141305.1	205390	248401.6	262401.6	147612.1
Rrp0196	283789.1	303036.8	263308.3	415107.4	358497.7	351405.1	283378.1
Rrp0614	1162679	1248777	1019232	1152920	861813	1000908	1143563
Rrp0004	207098.6	239039.9	214083.3	139876	144821.1	128699	220073.9
Rrp0633	275170.1	274201.1	256325.4	393815.5	318347.9	364058.4	268565.5
Rrp0682	1122806	852463.1	911946.7	917898.2	774648	792593.5	962405.3
Rrp0140	1270279	1755192	1130817	952552.3	1553326	1011511	1385429
Rrp0365	149797.1	136035.8	135718.6	65775.61	61133.14	62698.95	140517.1
Rrp0416	62588.08	12164.14	12135.01	102621.4	103670.3	123484.8	28962.41
Rrp0597	25457.37	25548.23	22544.93	48228.53	390133.7	35670.92	24516.85
Rrp0086	269018.1	281325.5	234770.4	217154.5	171291.4	168300.4	261704.7
Rrp0377	36806.02	139962.5	40796.73	236996.6	96451.26	190278.5	72521.76
Rrp0723	23583.96	24848.96	24832.92	96375.82	113327.4	70071.25	24421.95
Rrp0193	19125.81	160321.4	109086.1	491673.8	194572.9	29438.71	96177.8
Rrp0457	96778.9	100594.1	96170.86	33024.23	34273.32	35236.61	97847.94
Rrp0189	479322.2	564855.9	613565.3	938053.2	533704.4	597229.7	552581.1
Rrp0064	463221.1	525261.1	413527.5	414754.9	377458.8	365696.2	467336.6
Rrp0724	25779.61	20729.19	24908.02	95493.47	76752.94	89227.21	23805.61
Rrp0167	459363.7	500659.5	419655.3	391274.6	338394.1	421646.2	459892.8
Rrp0707	120491.7	176403.8	132112.6	79153.3	75073.46	76627.45	143002.7
Rrp0180	171583	236423.7	172874.4	285577.6	259822.1	252019.8	193627
Rrp0612	420339.1	397473.6	414088.2	461147.6	474987.4	480736.6	410633.6
Rrp0604	73899.3	71556.26	77852.4	13413.62	14952.9	16460.5	74435.99
Rrp0599	77736.45	91709.57	78942.21	26405.7	24193.06	23634.06	82796.08
Rrp0470	150410.7	170419.1	194608.4	258666.2	227908.6	222056.1	171812.7
Rrp0774	126362.7	126128.8	110444.4	62486.96	66851.83	61083.35	120978.6
Rrp0615	487735.4	509373.4	427795	504660.4	587654.2	563053.4	474968
Rrp0458	93952.92	123883.1	86047.71	46833.99	37000.99	44623.48	101294.6
Rrp0082	211501.7	242856.5	248210.6	186305.3	164456.4	174184.5	234189.6
Rrp0221	503411.3	636727.6	790243.6	453983.8	605451.7	537013.8	643460.8
Rrp0486	53148.67	69271.41	64957.88	11689.57	6888.321	6029.877	62459.32

Rrp0575	168636.7	209161.3	163081.9	105273.5	137826.4	115059.4	180293.3
Rrp0128	156296.2	161586.7	176207.1	127654.6	94801.53	102009.4	164696.7
Rrp0367	177109.4	136139	118148.6	209371.4	193133.9	211478.8	143799
Rrp0733	15265.24	14884.77	14833.14	63076.53	65264.21	65846.76	14994.39
Rrp0013	161622.2	178884.2	187331.2	126769.6	124686.1	123378.2	175945.9
Rrp0762	18855.98	15275.12	14129.86	65782.95	69269.6	59490.54	16086.98
Rrp0419	6104984	5363032	4010568	5046908	4759035	5001202	5159528
Rrp0429	2863078	2861602	2733172	2898272	2505505	2734679	2819284
Rrp0342	20178.8	31775.77	7749.208	77283.25	15132.23	234323.8	19901.26
Rrp0558	51108.97	52420.95	49789.91	103614.7	95680.36	92239.71	51106.61
Rrp0037	190994.1	200861.2	193826.8	192346.1	103169.8	101945	195227.4
Rrp0136	186458.7	171366.5	203268.3	279421.6	278348	186851.5	187031.2
Rrp0463	614076.4	555669.3	537790.9	461549.7	478770.3	567481.1	569178.9
Rrp0477	4947699	4882523	4764073	4708341	4698143	4919592	4864765
Rrp0107	3035988	3336016	2877597	3505757	2989132	3183666	3083200
Rrp0211	228705.7	232942.8	191591.6	350563.4	222480.8	282021.2	217746.7
Rrp0084	48178.45	64971.53	69315.27	88377.21	136436	103459	60821.75
Rrp0178	54980.51	52076.7	43356.19	112365.5	97818.64	76831.1	50137.8
Rrp0407	754406.7	901846.2	896061.8	867623.2	776427.3	637803.4	850771.6
Rrp0172	156455.3	116366.1	113675.1	168888.4	146623.2	275684.8	128832.2
Rrp0302	348701.9	390330.9	300694.8	453128.6	438422.3	344546.6	346575.9
Rrp0022	97252.46	93198.62	129026.5	57776.3	55265.24	69333.11	106492.5
Rrp0520	34538.55	40713.98	32598.7	72654.48	72950.55	82265.95	35950.41
Rrp0348	177113.6	140493	18638.75	155669.8	163467.6	238114.8	112081.8
Rrp0430	19359.24	38363.62	18558.59	55070.09	95566.68	53815.94	25427.15
Rrp0570	95221.34	107316.9	107809	67956.91	66671.86	66539.6	103449.1
Rrp0284	135547.7	149407.3	134628.2	106091.7	89256.98	112070.5	139861.1
Rrp0145	204909.5	206662.1	238270.9	137661.5	166859.3	204767.8	216614.2
Rrp0257	345783.4	400788.9	398383	444316.2	407722.1	431043.1	381651.7
Rrp0756	114194.9	135795.3	155849.8	97514.44	88938.1	100183.5	135280
Rrp0351	129660.2	91032.46	136945.4	261510.6	83425.5	209786.6	119212.7
Rrp0657	254359.7	186693	199600.6	37702.02	321647.7	20837.19	213551.1
Rrp0666	13257.13	14650.66	22927.16	43216.97	52499.64	50689.7	16944.98
Rrp0338	78071.77	73690.87	74200.34	47034.67	44953.78	39732.85	75320.99
Rrp0749	93549.96	81166.3	73865.32	45058.28	50522.69	55036.45	82860.53
Rrp0434	19966.34	15633	117917.5	98517.04	93248.85	110263.2	51172.29
Rrp0631	37543.22	26793.23	27490.5	75369.69	63374.61	50413.79	30608.98
Rrp0616	241232.4	265666.3	226342.5	215458.7	213223.3	198484	244413.7
Rrp0274	114794	1470904	117694.6	179276.9	889538.9	123056.3	567797.4
Rrp0049	463266.9	381641.7	323557	513276.7	426858.5	402768.1	389488.5
Rrp0516	3780684	4842675	3945385	4313692	3999649	3853010	4189581
Rrp0496	14749.59	12675.76	12301.79	52936.96	38050.49	33683.57	13242.38
Rrp0411	42765.38	42099.34	44171.34	16296.52	17774.81	16510.83	43012.02
Rrp0336	126908.9	132824	131393.7	217292.1	146846.6	145889.9	130375.6
Rrp0748	51132.16	66611.96	55264.48	37960.44	27830.43	25070.6	57669.53
Rrp0442	14828.96	12591.13	14683.87	38735.85	37798.44	37858.83	14034.65
Rrp0012	1029952	1159762	1047692	1193145	1098853	1106292	1079135
Rrp0394	13753.17	13587.77	10462.01	33699.4	37111.42	37998.47	12600.98
Rrp0296	95263.6	99772.04	98029.54	65698.86	76222.76	77902.06	97688.39
Rrp0476	242591.4	187008.9	157995.2	167253.5	165281.5	137786.1	195865.2
Rrp0759	119556.7	116087.2	159026.9	122050.6	119205.8	10893.67	131556.9
Rrp0500	31901.89	57905.22	78446.1	120646.3	57118.51	93370.76	56084.4
Rrp0118	108935.6	94565.69	33846.6	366572.8	42116.95	36310.2	79115.96

Rrp0403	52384.83	51092.68	51758.4	31962.33	31417.22	31524.98	51745.31
Rrp0537	344007	348703.8	300995.2	324259.3	289186.1	288216	331235.3
Rrp0301	80901.49	70721.38	9002.805	83126.72	99122.91	80360.05	53541.89
Rrp0269	42936	39018.88	41521.58	55565.77	65201.18	62578.2	41158.82
Rrp0358	2013775	2305929	2115814	2410063	2320067	1938137	2145173
Rrp0288	964328	887586.5	878553.2	872049.5	904885.7	834557.9	910155.9
Rrp0024	73942.48	69446.87	74880.96	79187.58	108292.2	101656.3	72756.77
Rrp0360	34990.27	29595.45	40483.03	14684.75	13687.37	16222.27	35022.91
Rrp0093	1279259	1401403	1339531	1464724	1227614	1136109	1340064
Rrp0285	5799.391	6423.006	4760.312	22137.82	25839.25	23818.9	5660.903
Rrp0080	19308.98	153345.6	187890.5	77655.28	74712.26	72018.57	120181.7
Rrp0601	88314.82	87380.02	110063.8	70094.22	64359.04	82700.2	95252.89
Rrp0553	5633.678	6862.439	5507.348	27089.17	13586.22	51025.88	6001.155
Rrp0183	432033.8	638084.3	513297.3	495040	456408	495296.3	527805.1
Rrp0138	32593.83	27898.91	29660.75	13158.29	12468.27	14155.16	30051.16
Rrp0503	228444.6	233346.4	169716	161926	212713.2	161120.3	210502.3
Rrp0343	12591.6	12988.45	16619.6	9324.411	84287.87	34094.42	14066.55
Rrp0622	12399.38	10440.04	10771.85	37149.04	24210.78	25584.92	11203.76
Rrp0250	679512.5	756869.4	629628.5	668085.7	681110.7	599341.6	688670.1
Rrp0048	27004.13	10064.01	25036.87	36777.78	43870.38	35557.31	20701.67
Rrp0718	33166.39	28157.78	29411.14	40459.32	59151.85	44474.72	30245.1
Rrp0206	101907.9	110352.6	111971.1	118567.9	46837.47	77792.4	108077.2
Rrp0393	12604.85	17973.8	15182.68	28627.71	30015.27	34963.41	15253.78
Rrp0501	35432.25	20463.49	61795.61	14932.49	14838.12	20031.77	39230.45
Rrp0039	34590.1	28487.71	48115.05	51823.32	61448.53	51304.48	37064.29
Rrp0611	1259005	1483034	1192487	1460945	1116312	1175926	1311509
Rrp0395	9202.325	17694.98	11958.52	40612.67	18791.89	29650.94	12951.94
Rrp0473	15156.91	25002.8	17286.13	37400.72	34242.42	28790.16	19148.61
Rrp0009	219166.2	145403	26329.98	43770.58	52140.35	504130.6	130299.7
Rrp0081	15548.9	12783.3	15941.03	24868.06	28987.71	24985.5	14757.74
Rrp0693	92661.29	78048.1	71335.04	114377.3	87236.83	93199.95	80681.47
Rrp0662	4335490	3516382	4733134	3895671	4361705	3993406	4195002
Rrp0746	257484.3	253587.1	234119.6	253032.9	205996.1	228200.3	248397
Rrp0689	21855.47	37541.29	39245.69	18431.94	23112.07	13555.86	32880.82
Rrp0385	55704.13	60844.32	6616.979	15231.3	18674.55	28644.05	41055.14
Rrp0729	17287.12	25867.66	11915.22	35103.94	36630.1	24326.84	18356.67
Rrp0341	62575.43	106317.4	84375.61	48147.58	85846.83	57225.04	84422.8
Rrp0157	93356.96	133458.2	91794.45	104020.7	69435.83	86364.91	106203.2
Rrp0248	283553.4	234884	227058.6	237226.6	201171.6	242048.7	248498.6
Rrp0605	7528.044	6606.767	7768.779	17592.61	16852.77	17299.04	7301.196
Rrp0571	30121.39	38312.29	37063.58	54028.05	43168.23	44771.89	35165.75
Rrp0225	195023.2	160212.5	184278.4	164368	176974.8	139149.7	179838
Rrp0398	34177.96	34559.36	33375.45	44532.82	43915.24	42916.22	34037.59
Rrp0364	171926.5	196676.8	185138.3	204900	183109.7	219676.3	184580.6
Rrp0700	26528.28	91825.48	31368.54	43101	16471.07	27548.92	49907.43
Rrp0389	14714.82	147576.8	16879.15	31071.59	28049.73	36351.13	59723.59
Rrp0260	15772.52	13103.59	16400.57	25071.35	20769.16	34191.89	15092.23
Rrp0427	105114.5	91468.39	92959.27	62023.58	145729.7	154946.5	96514.07
Rrp0425	11340.24	19572.46	14004.22	23149.82	25931.18	26971.2	14972.31
Rrp0079	82882.95	81175.89	81961.44	75799.59	73812.11	60648.9	82006.76
Rrp0608	27132.63	77804.24	65667.32	62480.15	131144.5	44700.36	56868.07
Rrp0076	329019.2	333169.9	311926.5	284945.4	352237.1	267650.1	324705.2
Rrp0494	19572.72	28704.11	33519.27	40670.99	36753.47	35923.09	27265.37

Rrp0315	64720.29	73417.46	31655.25	36516.56	49189.53	37207.32	56597.66
Rrp0709	97572.59	119616.2	87541.13	99162.12	80239.05	83735.39	101576.6
Rrp0539	73295.99	90974.39	83861.84	53839.99	82286.28	72940.22	82710.74
Rrp0043	133691.3	104409.2	136739	234644	20588.59	220984.2	124946.5
Rrp0287	44336.28	43980.84	54566.15	56635.73	57251.39	54181.62	47627.75
Rrp0146	15169.13	195831.9	178082.8	134256	147911.7	10062.82	129694.6
Rrp0054	22236.87	21854	15346.74	10762.2	15371.75	10221.56	19812.54
Rrp0769	33219.59	29267.99	33998.89	24171.23	29163.22	18187.96	32162.16
Rrp0576	32147.67	33499.53	34162	25595.83	29783.37	22773.39	33269.73
Rrp0424	45045.01	47448.25	51547.62	52819.5	41680.84	7324.904	48013.63
Rrp0289	384248.8	366025.7	377869.6	542658.4	324366.3	348006.3	376048
Rrp0543	54767.86	39931.54	73899.79	40865.1	46878.29	45021.31	56199.73
Rrp0552	36642.86	37909.52	34540.76	40755.75	42776.91	44487.49	36364.38
Rrp0659	241650.7	216667	255663.1	277420.8	242573.5	235712.3	237993.6
Rrp0410	1902491	1982612	1596312	1839541	1687100	2118173	1827138
Rrp0462	24900.83	22076.46	18106.36	19377.4	14226.46	10422.28	21694.55
Rrp0557	48252.34	33248.31	33892.88	53116.16	49159.06	38737.6	38464.51
Rrp0767	15625.56	19799.31	14409.2	11489.2	11305.73	10787.8	16611.36
Rrp0056	12323.04	12141.42	32829.66	26195.95	28091.48	28434.37	19098.04
Rrp0089	18040.01	19550.64	24170.48	13521.3	15767.25	15497.26	20587.04
Rrp0083	13352.06	110921.5	128491.6	293127.4	26107.09	20909.7	84255.06
Rrp0362	18991.02	16612.16	13656.85	10076.88	10945.11	13105.77	16420.01
Rrp0276	101259.4	124296.5	149356	181835.1	123142.3	110305.4	124970.6
Rrp0023	224770.9	245428.4	181002.3	237480.4	187193.6	279497.6	217067.2
Rrp0587	14055.89	24203.03	20114.61	12198.95	16106.36	13845.45	19457.84
Rrp0120	408097.3	666080.2	552120.5	912129	553547.8	261125.7	542099.3
Rrp0747	182601.2	186274.7	185157.1	176927	188403.9	168365.5	184677.7
Rrp0382	17093.11	17744.9	17906.46	14332.5	13982.87	15004.1	17581.49
Rrp0397	9719.68	12836.09	7244.166	7965.564	4913.737	4781.482	9933.313
Rrp0057	30134.9	38013	32841.19	105723.9	16907.06	18531.82	33663.03
Rrp0775	83264.2	70645.42	90719.99	56016.82	35338.7	119586.5	81543.2
Rrp0156	13139.94	11386.41	12248.39	13728	2843.12	6076.757	12258.25
Rrp0252	44383.28	30796.07	47521.11	46447.71	54993.08	39162.71	40900.15
Rrp0005	11949.03	110321	129449.5	65216.62	68305.82	75666.6	83906.52
Rrp0760	130726.8	88955.01	92643.3	85903.28	108250.8	89851.7	104108.4
Rrp0499	194534.9	229730.7	204027.5	218905.8	208384.8	170332	209431
Rrp0550	141288.5	117287.9	137376.3	175405.5	149324.1	100824.2	131984.2
Rrp0016	1446921	1511671	1478776	1526295	1451390	1498602	1479123
Rrp0215	51154.05	24535.16	21299.7	12353.85	25514.6	36532.56	32329.63
Rrp0763	17290.68	17524.65	17208.31	11128.51	14213.33	17224.44	17341.21
Rrp0179	19690.66	8816.979	9081.014	26737.28	8975.212	18410.64	12529.55
Rrp0739	23785.88	44898.7	26478.81	50549.7	39573.19	22908.28	31721.13
Rrp0583	16707.29	12617.17	15331.05	17479.64	19136.79	15466.62	14885.17
Rrp0468	23391.25	25529.88	21122.26	12299.56	18271.47	28364.96	23347.8
Rrp0776	12895.52	15221.86	10032.5	14452.46	14048.55	16811.86	12716.63
Rrp0113	206335.7	194260.3	170186.6	229101.3	119958.2	259306.2	190260.9
Rrp0566	997103.4	977726.2	899291.7	936043	912368.7	1003728	958040.4
Rrp0101	88515.76	95948.8	84221.56	82544.08	104025.5	65929.22	89562.04
Rrp0292	23352.46	30846.71	18302.46	19946.95	10930.17	31737.86	24167.21
Rrp0524	18628.3	12258.99	35863.73	9641.65	26492.51	17276.3	22250.34
Rrp0677	74561.12	66542.37	87703.19	70721.03	76958	92419.8	76268.89
Rrp0268	27596.6	49628.46	14985.37	37361.12	5476.781	37578.94	30736.81
Rrp0062	3631365	3555084	3549050	3844161	3410374	3439720	3578500

Rrp0224	20009.63	13627	10686.78	10629.69	9626.516	36024.51	14774.47
Rrp0374	51393.33	109406.2	43736.02	67631.34	87124.56	32542.89	68178.52
Rrp0281	644178.8	843212.2	772989.9	834721.5	721850.8	675810.3	753460.3
Rrp0560	10673.47	8300.485	12644.03	16179.48	2918.327	5868.13	10539.33
Rrp0144	67993.17	50478.03	51187.88	118972.4	16068.34	15907.73	56553.03
Rrp0482	1096593	1541119	1264022	1405304	1070057	1411691	1300578
Rrp0291	26178.25	5997.253	10445.84	18244.58	13626.22	18009.44	14207.11
Rrp0104	125569.8	107433.3	141207.4	206837.6	104886.8	38730.12	124736.8
Rrp0007	15845.95	22179.32	16155.65	2717.673	20779.61	24689.78	18060.31
Rrp0372	12158.88	16498.68	18984.73	17997.59	12015.9	14432.27	15880.77
Rrp0353	4749.422	1596.578	3473.527	4050.8	1359.811	2181.14	3273.175
Rrp0487	13650.29	13949.82	14568.85	10690.79	14567.56	14724.86	14056.32
Rrp0209	110121.1	111284.7	115105.6	124964	101989.7	104904.4	112170.5
Rrp0303	923909.1	955525.9	1151805	1006331	1065249	934132.6	1010413
Rrp0335	11894.79	13352.25	14717.09	14280.9	13041.14	11023.14	13321.38
Rrp0375	19042.4	15539.79	11178.67	11310.64	15524.07	17037.58	15253.62
Rrp0295	13633.78	13171.76	11084.4	8948.707	18321.83	12304.02	12629.98
Rrp0401	15092.1	11255.03	12346.92	11456.25	11053.81	14913.08	12898.02
Rrp0314	50633.27	39959.98	27977.14	28669.34	63796.76	20629.83	39523.46
Rrp0704	28740.5	26458.54	24404.17	26401.04	28437.36	25773.31	26534.41
Rrp0435	8072.033	15523.09	20904.67	5659.962	22824.78	13325.08	14833.26
Rrp0561	78061.24	62220.99	57190.08	44880.74	62731.54	88301.4	65824.1
Rrp0187	131707.5	114661.1	147383.4	166382.8	130583.3	90363.93	131250.7
Rrp0506	9157.423	8398.763	4758.179	5605.825	9264.495	8390.718	7438.121
Rrp0279	124433.7	109619	110231.6	327835.5	14493.42	7707.698	114761.4
Rrp0218	82509.56	72697.93	67988.72	83136.02	75366.23	62621.91	74398.74
Rrp0117	195275.4	364736.7	24166.88	271156	28054.77	314719.7	194726.3
Rrp0325	12325.28	134849.4	15500.37	134029.4	19087.29	16922.61	54225.03
Rrp0286	31155.42	32726.41	21876.43	31727.38	26694.75	26929.15	28586.09

case	meanlog2FoldCh	Pvalue	padj	vip
7.97E+08	2.066692	6.78E-05	0.000866	6.674082
#####	202.24%	8.47E-06	0.03%	658.71%
7.7E+08	2.022673	9.78E-06	0.000329	6.536978
7.6E+08	2.023898	0.000118	0.001025	6.480169
9.04E+08	1.164668	0.000148	0.00119	6.043249
8.34E+08	1.177976	2.15E-05	0.000472	5.843362
8.96E+08	1.048454	2.94E-05	0.000504	5.82475
9.29E+08	-0.46237	0.000259	0.001597	5.044572
8.14E+08	0.673586	0.001067	0.004115	4.636238
7.27E+08	-0.31427	0.000253	0.001597	3.598817
1.48E+08	-1.04597	0.00013	0.001073	3.401211
1.62E+08	2.959633	0.000423	0.002134	3.208257
1.49E+08	1.663404	0.000612	0.002759	2.704522
4.77E+08	-0.29949	0.033934	0.068274	2.657347
8.81E+08	-0.14776	0.003235	0.009734	2.596143
1.38E+08	1.507247	0.000365	0.002025	2.552128
2.02E+08	0.848638	0.000341	0.001978	2.55127
18634655	-2.47373	2.14E-06	0.00027	2.499074
1.9E+08	0.86708	0.000387	0.002078	2.489211
8.79E+08	-0.12942	0.00884	0.022321	2.381729
84352248	2.681366	1.62E-05	0.000456	2.287977
2.2E+08	0.556319	0.000988	0.003927	2.25934
70719697	4.535257	1.11E-05	0.000351	2.233345
2.05E+08	0.591018	0.00042	0.002134	2.231188
76710657	2.701209	3.41E-05	0.000539	2.183714
1.59E+08	-0.37208	0.006568	0.017549	1.795816
1.23E+08	0.679676	0.004983	0.013828	1.793712
23635851	-1.45679	0.00035	0.001987	1.732118
23291928	-1.41428	0.00019	0.001308	1.68403
1.76E+08	-0.29521	0.025167	0.052955	1.592287
34963083	2.828316	0.000658	0.002859	1.47284
38940661	1.656243	0.000183	0.001308	1.39116
8740744	-1.85838	2.86E-05	0.000504	1.298151
16657587	-1.14732	0.000191	0.001308	1.210033
34278405	-0.59127	2.24E-05	0.000472	1.128141
2.79E+08	0.127238	0.103815	0.166964	1.12781
1.16E+09	-0.02421	0.034368	0.068872	1.114116
31386533	-0.62111	7.37E-05	0.000866	1.111906
46616820	0.644575	0.008577	0.021767	1.077028
20333321	1.902932	0.000124	0.001046	1.042314
27162789	1.157283	0.000745	0.003187	1.03876
28782668	-0.60758	0.003431	0.010133	1.033181
58361930	0.478862	0.055177	0.099515	0.984624
19066342	-0.69074	0.000361	0.002025	0.924426
20406165	1.158175	4.27E-05	0.000625	0.908723
17604940	-0.71293	0.000399	0.002097	0.904826
15550048	1.649764	9.95E-05	0.000951	0.876899
15749058	-0.73752	4.33E-05	0.000625	0.876325
20454003	-0.60933	0.001972	0.006867	0.874519
2.4E+08	-0.08881	0.138844	0.213119	0.869168
1.44E+08	0.11763	0.014365	0.032676	0.865495
10609590	4.462883	2.06E-05	0.000472	0.863832

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

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

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

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

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

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

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

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

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

row	S-B-1	S-B-2	S-B-3	Z-B-1	Z-B-2	Z-B-3	control_me:
Rrp0680	1.8E+08	1.99E+08	1.92E+08	1.36E+09	1.36E+09	1.35E+09	1.9E+08
Rrp0679	1.79E+08	1.98E+08	1.91E+08	1.33E+09	1.38E+09	1.33E+09	1.9E+08
Rrp0686	1.78E+08	2.01E+08	1.82E+08	1.32E+09	1.33E+09	1.29E+09	1.87E+08
Rrp0681	1.88E+08	2.01E+08	1.88E+08	1.28E+09	1.32E+09	1.27E+09	1.92E+08
Rrp0668	4.09E+08	4.12E+08	3.89E+08	1.26E+09	1.3E+09	1.22E+09	4.03E+08
Rrp0669	4.25E+08	4.54E+08	4.2E+08	1.23E+09	1.24E+09	1.24E+09	4.33E+08
Rrp0530	20533690	21731365	20313476	8.15E+08	8E+08	6.96E+08	20859510
Rrp0549	10995671	12652246	11738123	4.54E+08	5.1E+08	4.32E+08	11795347
Rrp0692	3081128	3087581	2981126	4.35E+08	4.21E+08	4.21E+08	3049945
Rrp0522	8.98E+08	9.3E+08	8.83E+08	7.35E+08	7.41E+08	7.2E+08	9.04E+08
Rrp0547	3.55E+08	3.83E+08	3.67E+08	5.12E+08	5.07E+08	5.65E+08	3.68E+08
Rrp0654	46241179	49500642	45751697	1.97E+08	2.39E+08	1.81E+08	47164506
Rrp0655	46177123	49699437	49890635	2.01E+08	2.23E+08	1.86E+08	48589065
Rrp0538	1.18E+09	1.18E+09	1.19E+09	1.06E+09	1.1E+09	9.96E+08	1.18E+09
Rrp0188	7.52E+08	7.26E+08	7.57E+08	8.78E+08	8.41E+08	8.54E+08	7.45E+08
Rrp0582	1.04E+08	1.09E+08	99678254	2.31E+08	2.14E+08	1.95E+08	1.04E+08
Rrp0368	8712443	7909645	7436440	1.15E+08	1.29E+08	98410657	8019509
Rrp0321	99717396	1.07E+08	1.04E+08	15541342	14614903	13669889	1.04E+08
Rrp0165	1.33E+09	1.24E+09	1.27E+09	1.19E+09	1.21E+09	1.15E+09	1.28E+09
Rrp0440	2.57E+08	2.2E+08	2.03E+08	1.28E+08	1.45E+08	1.56E+08	2.27E+08
Rrp0386	2.06E+08	2.28E+08	2.13E+08	1.48E+08	1.37E+08	1.31E+08	2.16E+08
Rrp0455	34158231	32983673	29465242	1.08E+08	1.03E+08	1.1E+08	32202382
Rrp0684	1.54E+08	1.47E+08	1.49E+08	78117479	76978803	74286051	1.5E+08
Rrp0546	5.07E+08	5.61E+08	4.62E+08	6.23E+08	6.34E+08	5.53E+08	5.1E+08
Rrp0529	5.93E+08	6.14E+08	5.54E+08	6.48E+08	67297943	5.47E+08	5.87E+08
Rrp0055	2.16E+08	2.07E+08	1.93E+08	1.37E+08	1.4E+08	1.27E+08	2.05E+08
Rrp0674	1.35E+08	1.45E+08	1.28E+08	67673195	70801755	60555220	1.36E+08
Rrp0456	33188695	39014024	33723883	95722955	94986115	1.1E+08	35308867
Rrp0564	202723.3	209278.9	230061.2	60277194	63032526	66257650	214021.1
Rrp0651	79398706	76952585	73519483	19192132	20352677	16058523	76623591
Rrp0438	1.69E+08	1.91E+08	1.96E+08	1.17E+08	1.25E+08	1.38E+08	1.85E+08
Rrp0664	2.53E+08	2.61E+08	2.5E+08	3.24E+08	3.17E+08	2.87E+08	2.55E+08
Rrp0384	8.71E+08	8.75E+08	8.44E+08	7.87E+08	8.3E+08	8.15E+08	8.63E+08
Rrp0673	6381186	6657657	6006031	48842803	56944981	45572703	6348292
Rrp0383	8.98E+08	8.91E+08	8.85E+08	8.41E+08	8.56E+08	8.45E+08	8.91E+08
Rrp0509	4724787	5300691	4742571	46641014	47371506	35045281	4922683
Rrp0481	62598565	71587400	60452809	33978046	30123970	28115929	64879591
Rrp0480	60578809	67558232	58101062	30381455	28150072	28016005	62079368
Rrp0366	1.13E+08	1.17E+08	1.06E+08	1.55E+08	1.58E+08	1.32E+08	1.12E+08
Rrp0228	2.92E+08	3.26E+08	3.01E+08	2.79E+08	2.81E+08	2.55E+08	3.06E+08
Rrp0098	52226281	50653316	52049210	25566576	24500428	26394602	51642935
Rrp0096	48816800	48346047	47660163	23121244	22936699	25087071	48274337
Rrp0510	30580477	32426288	29318711	8135176	7804680	6328642	30775159
Rrp0517	35497130	35614272	39579309	14661385	13415438	12741072	36896904
Rrp0528	1.45E+08	1.64E+08	1.49E+08	1.31E+08	1.37E+08	1.04E+08	1.53E+08
Rrp0512	28661767	30503458	27405107	8163948	7299506	6423647	28856777
Rrp0670	30383988	27895761	31179946	10154185	7677299	8647740	29819898
Rrp0148	42337533	48053581	41177044	68695545	69009249	58258059	43856053
Rrp0507	25381432	26735205	26659048	7142950	7664895	5990659	26258562
Rrp0652	2.43E+08	2.64E+08	2.6E+08	2.14E+08	2.24E+08	2.5E+08	2.56E+08
Rrp0754	21275125	20880186	19646907	4746110	3983978	3921765	20600739
Rrp0665	21553457	21570066	19415922	32185076	36813671	31895885	20846482

Rrp0102	42810675	40599902	42725311	28412106	28526403	31930705	42045296
Rrp0452	4162171	3732208	3684145	14468747	15737862	14511235	3859508
Rrp0339	31506782	30537287	36399858	45342058	41531535	45720815	32814642
Rrp0701	1318952	1433100	1299920	11799849	11566013	10782507	1350658
Rrp0197	14389165	14528459	14833104	23411865	24196187	25872018	14583576
Rrp0569	5386791	5556825	5537948	14912461	15236238	14068038	5493855
Rrp0753	14765975	9935413	13031602	3203746	3321506	3055304	12577663
Rrp0527	5.08E+08	5.4E+08	5.04E+08	6.24E+08	6.59E+08	1E+08	5.17E+08
Rrp0644	14792826	17700130	15677614	7836540	7599674	7258108	16056857
Rrp0567	10377193	8004135	9807566	1263571	1744222	1755547	9396298
Rrp0349	3722149	5232695	540049.3	15742148	9940930	9645013	3164964
Rrp0645	23597728	24815347	21212982	16686093	15378831	14634779	23208685
Rrp0513	3892734	4625084	3653517	12609993	13128094	9362164	4057112
Rrp0466	857527	1000919	764948.4	7426790	8062459	7706668	874464.6
Rrp0467	846504.6	904601.3	737409.3	7870040	7913061	6647088	829505.1
Rrp0545	15775662	16990815	14386485	9585850	9179395	8528099	15717654
Rrp0026	19329250	18568081	18763439	11858873	12928731	12483381	18886923
Rrp0755	7789279	8884633	8525212	2026959	1909790	2015188	8399708
Rrp0359	9.65E+08	1E+09	9.58E+08	1.03E+09	1.01E+09	9.44E+08	9.75E+08
Rrp0318	20486828	22506404	20162869	15146623	16158544	13579173	21052034
Rrp0688	32234917	33089459	29757530	27345049	25317805	23510822	31693969
Rrp0511	9037669	8433704	9959348	3459268	3215236	3381280	9143573
Rrp0122	33509336	31038697	29062582	25772024	26510742	23997447	31203538
Rrp0278	2007157	1971953	1926234	7013929	7506923	6715859	1968448
Rrp0514	12073098	7434869	7879544	3775587	3526989	2992441	9129170
Rrp0317	20405634	21989760	20125184	16380998	16541217	13912481	20840192
Rrp0515	12670245	12458994	11406557	16861516	17654066	16852034	12178599
Rrp0319	19868592	22139226	19616120	15483895	16683157	13757030	20541312
Rrp0489	35563933	38355692	33474449	30968335	31907011	27835433	35798025
Rrp0441	13347996	15172975	13606565	9225636	9240950	9971248	14042512
Rrp0008	8974405	8865625	8960643	12923423	12457002	15424958	8933558
Rrp0112	14143793	15317965	15003918	17929325	21898869	18889197	14821892
Rrp0568	8352769	10232486	8297283	4815304	4708031	4259165	8960846
Rrp0474	7956968	9867408	8292391	4747773	4188470	4206628	8705589
Rrp0293	12243032	12379279	12441131	15385894	18050994	15781400	12354481
Rrp0191	9839478	10271128	9223700	6291863	6663622	5740279	9778102
Rrp0090	1.02E+08	97215512	1.04E+08	94030308	99121304	95153137	1.01E+08
Rrp0661	2124921	2336028	1991769	5328133	5409987	5748649	2150906
Rrp0606	40969736	45421448	37029250	38155541	38478598	30702637	41140145
Rrp0181	2081640	1928242	2509837	5033600	4950962	6531245	2173239
Rrp0643	4331493	5276596	4966712	1527005	1932474	1596310	4858267
Rrp0565	7931537	7947402	7843035	5352602	5095947	3811658	7907325
Rrp0119	13572818	15834558	13441181	10445818	12689148	8154236	14282852
Rrp0251	671915.9	536897	629869.7	3387206	3381764	3353724	612894.2
Rrp0610	11254424	13550553	10541572	8751876	9455771	7483630	11782183
Rrp0685	3365162	4335036	3536279	5795425	7278392	6388834	3745492
Rrp0311	4719026	4730678	4168978	2284878	1808134	1825131	4539561
Rrp0583	16707.29	12617.17	15331.05	2483397	2513549	2465534	14885.17
Rrp0477	4947699	4882523	4764073	2422772	2224704	2530115	4864765
Rrp0406	1853196	2875569	2607639	21153.63	26953.13	59461.41	2445468
Rrp0429	2863078	2861602	2733172	5100319	5290774	5035988	2819284
Rrp0309	3801179	5265932	4402597	2391625	2104466	2126646	4489903
Rrp0508	3239876	3718753	3063969	7451144	5338710	4653691	3340866

Rrp0523	52382.02	483523	58201.58	10978672	1310514	112518.8	198035.5
Rrp0640	5905979	5025357	4245967	2915690	3037214	3367299	5059101
Rrp0697	3151893	4212152	3800334	1956894	2015859	1701948	3721460
Rrp0581	338854.3	382599.7	312233.7	2255581	2148303	1777990	344562.6
Rrp0164	4040537	3963825	4364358	2273509	2638865	2518676	4122907
Rrp0065	5110913	5658706	5092937	3715492	3819199	3434546	5287519
Rrp0598	5206024	6004213	5101111	7733023	7530312	6384312	5437116
Rrp0063	4836411	5562603	5165166	3770590	3728966	3228900	5188060
Rrp0422	377223.4	310631.6	441788.9	1932825	1912422	1789203	376548
Rrp0490	2281428	3106122	2509202	4603212	4397639	3704350	2632251
Rrp0031	3254030	3322051	3179125	4751127	4633779	4708179	3251735
Rrp0626	2656207	3006290	2517333	1272586	1437979	1064173	2726610
Rrp0185	2646430	2623249	2345881	1232213	1141805	1067364	2538520
Rrp0658	5991327	5887764	5894947	4352582	4747987	4522383	5924679
Rrp0060	4760695	5204071	4828939	3711439	3768742	3453513	4931235
Rrp0417	3199168	2820129	3213092	1795944	2009162	1668209	3077463
Rrp0121	4968504	4778388	4996683	3605692	3907847	3697246	4914525
Rrp0223	61567775	55206982	62771206	57463238	56866763	57885701	59848654
Rrp0072	7334591	8748777	6433411	10264240	9415207	7909226	7505593
Rrp0229	13737010	16066473	12496424	12548716	13272083	10973479	14099969
Rrp0265	439554.2	434588.1	348193	1447745	1832165	1317795	407445.1
Rrp0415	782407.3	931359.5	845817	2047127	2176245	1680033	853194.6
Rrp0201	1792206	1684017	1630564	580834.3	712958.2	576332.9	1702262
Rrp0600	4228829	5720100	4918109	7005990	6316394	5617249	4955679
Rrp0453	4605049	4571413	3847472	5715844	5028489	5631822	4341311
Rrp0720	426478.7	434447.8	392611	1373476	1515475	1222187	417845.8
Rrp0070	2778238	2644662	2692063	1710240	1690211	1930278	2704988
Rrp0743	1974509	1978998	2086490	1187834	1241544	1037679	2013333
Rrp0159	3084434	3382062	2920414	3883530	4274677	3952517	3128970
Rrp0678	4617157	4032106	4062747	3463672	3563623	2684600	4237337
Rrp0078	279676.4	405340	316730.9	1358920	1053550	1048599	333915.8
Rrp0044	2997063	3971865	2156228	1572747	1954929	2269204	3041719
Rrp0160	3552541	4682049	3492397	5212116	4822885	4695489	3908996
Rrp0143	20632812	22496614	19815123	19719283	21108244	17596197	20981516
Rrp0062	3631365	3555084	3549050	2911403	2909902	2571077	3578500
Rrp0158	3681752	4108185	3767042	4495605	4730800	4713000	3852327
Rrp0450	196219.2	189979.9	183201.3	827344.8	1105286	892121.7	189800.1
Rrp0333	1.37E+08	1.29E+08	1.33E+08	1.26E+08	1.33E+08	1.33E+08	1.33E+08
Rrp0519	609002.2	582770	642440.6	1305289	1375281	1301478	611404.3
Rrp0358	2013775	2305929	2115814	1501480	1462600	1293988	2145173
Rrp0053	510580.4	639975.4	522561.8	5235490	524900.2	523810.8	557705.9
Rrp0482	1096593	1541119	1264022	644806.4	618231.8	516280	1300578
Rrp0752	78131.99	81086.15	64536.16	4054084	320110.1	32432.76	74584.77
Rrp0019	350155.6	306328.8	327422.2	1032478	970905.1	924565.1	327968.9
Rrp0641	248970.2	245225.7	267541.9	1000583	814502	906474.2	253912.6
Rrp0069	291178.3	294462.8	254654.1	5590080	51965.69	66250.74	280098.4
Rrp0088	2393473	2598604	2259756	2885660	3385257	3083427	2417278
Rrp0280	367158.4	265579.3	239405.9	980711.8	890227.6	854900.9	290714.6
Rrp0542	197410.5	226459	197176.5	806964.4	835154.3	660078.6	207015.3
Rrp0328	1070882	1361157	1356566	688111.9	687938.1	677501.5	1262868
Rrp0464	16720974	1330075	13018597	7212616	8607038	8716852	10356548
Rrp0457	96778.9	100594.1	96170.86	549404.7	619697.5	633527	97847.94
Rrp0746	257484.3	253587.1	234119.6	804058.5	829121.9	638663.7	248397

Rrp0649	17261698	19923593	182771.1	14145821	15088003	15740291	12456021
Rrp0130	1930913	2067698	1727880	1366930	1436769	1354306	1908831
Rrp0208	707407	880296.1	802378.6	335902.3	279586.1	286490.9	796693.9
Rrp0390	1454208	1452511	1406202	1006458	910966.5	977426.3	1437640
Rrp0171	5165367	5048484	4946325	4598436	4720718	4368883	5053392
Rrp0420	9467635	9054752	10813398	7704391	8976956	9890057	9778595
Rrp0046	2655298	3375088	2703165	2439334	2357044	2255068	2911184
Rrp0588	3779815	4250080	3249978	3050776	3514658	2802401	3759958
Rrp0256	629489.9	610314	699124.3	209690.8	213773.3	238482.2	646309.4
Rrp0213	597455	556243.6	509950.6	957455.5	1062359	931310	554549.7
Rrp0516	3780684	4842675	3945385	3402235	4112268	2990258	4189581
Rrp0493	1257686	1264726	1111246	869334.5	825487.8	667513.8	1211219
Rrp0690	360220.7	428813.4	458642.7	798806.5	914637.1	749408.2	415892.3
Rrp0589	3867364	3352522	3480193	3023812	3384579	2685891	3566693
Rrp0212	1032417	964402.2	1049852	1298329	1453819	1524932	1015557
Rrp0662	4335490	3516382	4733134	3983560	3243878	3466690	4195002
Rrp0103	23039145	21405295	22146033	20738268	21340279	22263230	22196824
Rrp0312	1458106	794617.7	793606.9	576354.8	556753.7	415588.6	1015443
Rrp0052	481534.4	462128.1	478619.5	954167	903053.3	743600.7	474094
Rrp0147	867384.1	916617.3	812493	453295.7	565216.5	466846.4	865498.1
Rrp0691	16768.3	16196.75	17146.26	361431	364730.1	344620.4	16703.77
Rrp0410	1902491	1982612	1596312	1391430	1448972	1465669	1827138
Rrp0709	97572.59	119616.2	87541.13	410060.6	404727.9	464850.1	101576.6
Rrp0367	177109.4	136139	118148.6	495202.4	486231.8	428376.7	143799
Rrp0097	424612.6	390209.1	390862.7	840968.3	613798.1	746987.4	401894.8
Rrp0357	117185.8	182683.7	261093.3	2287071	227972.5	137539	186987.6
Rrp0404	1791689	1788272	1612009	1199988	1607429	1244174	1730657
Rrp0614	1162679	1248777	1019232	817910.4	861592	789036.7	1143563
Rrp0728	658075	568484.2	581464.9	308317	357744	274768.2	602674.7
Rrp0306	3263701	3821499	3725688	4172607	4251129	3661593	3603629
Rrp0648	1525262	11586839	14484181	7452158	7138576	8429836	9198761
Rrp0676	600164.1	687675	726058.2	497231.4	340641.2	291971	671299.1
Rrp0370	491109.5	551664.3	558825.4	772466.7	892298.6	765745.2	533866.4
Rrp0133	986704.8	908566.9	1004648	685554.1	644973.8	756357	966639.8
Rrp0392	9998079	11295916	9641719	11689885	12278450	9250727	10311905
Rrp0334	961717.3	956711	904126.6	636002.8	745567.8	638931.7	940851.6
Rrp0381	1345858	1660249	1516409	887003.3	1109872	1437312	1507505
Rrp0566	997103.4	977726.2	899291.7	681966	625844.7	771786.1	958040.4
Rrp0617	85649.62	81873.45	94420.13	322558.5	332779.6	342874.9	87314.4
Rrp0409	287345.6	260390.6	304099.8	502412.4	546968.7	543305.6	283945.3
Rrp0172	156455.3	116366.1	113675.1	462330	407892.6	292461.5	128832.2
Rrp0492	276803.9	256184.9	197034.3	919813.6	808845.7	153528.5	243341
Rrp0611	1259005	1483034	1192487	988554.7	1143934	915488.5	1311509
Rrp0350	324824.4	363421.3	286876.5	66963.39	125766.9	56255.2	325040.7
Rrp0169	606678.9	636155.1	607707.7	411573.1	268762.3	421246.9	616847.3
Rrp0281	644178.8	843212.2	772989.9	1038458	987874.9	962895.7	753460.3
Rrp0067	352131.7	292884.1	384042.5	107685.3	139068.4	116755.7	343019.4
Rrp0391	439183.7	451098	399409.9	217310.1	228509.6	199722.8	429897.2
Rrp0150	143908.6	94964.84	40674.34	343628.8	240059.5	376152.1	93182.59
Rrp0305	15012776	11792211	12644959	13436838	11469597	12514043	13149982
Rrp0607	2320079	2398763	2272309	2004636	2264939	1958188	2330384
Rrp0100	500423.6	526691.4	430872.3	156187.4	398100.6	194760.5	485995.8
Rrp0028	3077473	3047821	3212902	2758407	3009732	2839860	3112732

Rrp0035	681215.1	708875.7	702878	519569.7	475698	513036.6	697656.3
Rrp0288	964328	887586.5	878553.2	696200.8	763837.2	649883.9	910155.9
Rrp0351	129660.2	91032.46	136945.4	744380.9	181264.6	316585	119212.7
Rrp0194	234441.3	348509.3	330756.5	137348.8	20449.96	121757.1	304569
Rrp0725	1285193	144239.7	1130981	1383388	1096926	1269012	853471.3
Rrp0759	119556.7	116087.2	159026.9	318664.1	332600.8	305102.4	131556.9
Rrp0683	1144495	780303.5	630249.4	539300	715062	449625.4	851682.6
Rrp0465	2204563	2041989	2138020	2562606	2443775	2147871	2128191
Rrp0672	439420.8	473370.1	530514.4	702549.5	648421.6	645438.2	481101.8
Rrp0238	83882.24	77900.47	4474316	118045.6	2091295	122666.7	1545366
Rrp0426	994142.7	921192	989186.2	817830.3	761675.1	795801.8	968173.6
Rrp0330	1180171	1284220	1050003	990672.5	1047027	818337.6	1171465
Rrp0760	130726.8	88955.01	92643.3	307596	262121.2	250036.3	104108.4
Rrp0192	5435191	5658370	5727372	5834798	5017840	5001603	5606978
Rrp0714	8330586	7210287	7470238	7181742	7883724	6761887	7670371
Rrp0682	1122806	852463.1	911946.7	759713	807305.7	715733.6	962405.3
Rrp0476	242591.4	187008.9	157995.2	429267	463396.7	256409.9	195865.2
Rrp0363	471707	465870.4	502382.1	311903.5	323973.5	346709.7	479986.5
Rrp0218	82509.56	72697.93	67988.72	240903.7	205555.5	229056	74398.74
Rrp0558	51108.97	52420.95	49789.91	241440.3	206734.3	166192.7	51106.61
Rrp0388	1342771	1452223	1216029	1042404	1178787	1209011	1337008
Rrp0289	384248.8	366025.7	377869.6	183180	309020.3	133829.3	376048
Rrp0036	2505397	2445169	2619960	2328984	2507954	2051732	2523509
Rrp0361	9.36E+08	9.94E+08	9.53E+08	9.7E+08	9.81E+08	9.23E+08	9.61E+08
Rrp0499	194534.9	229730.7	204027.5	87163.31	72600.7	59703.53	209431
Rrp0354	145779.7	47370.89	638624.5	25621.49	60952.82	20962.03	277258.4
Rrp0274	114794	1470904	117694.6	1331964	208439.2	1360507	567797.4
Rrp0532	609270.8	520458	660525.2	568188.2	358843.8	338717.9	596751.4
Rrp0724	25779.61	20729.19	24908.02	161906.3	157879.5	125898.8	23805.61
Rrp0707	120491.7	176403.8	132112.6	15125.45	17795.61	15080.25	143002.7
Rrp0303	923909.1	955525.9	1151805	892010	855716.8	777400.5	1010413
Rrp0747	182601.2	186274.7	185157.1	63934.43	61879.09	69626.51	184677.7
Rrp0117	195275.4	364736.7	24166.88	439410.6	366287	322900.6	194726.3
Rrp0407	754406.7	901846.2	896061.8	739193.4	719290	654987.4	850771.6
Rrp0327	320128.9	351100.3	397943.7	284641.2	141563.1	223987	356390.9
Rrp0064	463221.1	525261.1	413527.5	325033.2	382661.7	296452	467336.6
Rrp0329	743922.9	669033.2	602735.9	546138.2	552026.5	524442.6	671897.3
Rrp0504	176975	292692.7	155072.3	62827.69	92290.6	70141.41	208246.7
Rrp0642	177469.5	148521.9	150967.3	60499.69	4702.816	63129.88	158986.2
Rrp0032	3074213	3022232	3311121	2747746	3230543	2791004	3135855
Rrp0405	128603.2	172928	141305.1	464470.7	102878.6	401640.7	147612.1
Rrp0503	228444.6	233346.4	169716	99235.8	90708.75	100951	210502.3
Rrp0577	430814.8	612171	524006	674469.5	733481.3	585375.7	522330.6
Rrp0537	344007	348703.8	300995.2	160206.3	296972.6	157095.5	331235.3
Rrp0345	16617567	21958667	19588086	19820624	18065825	18522097	19388107
Rrp0543	54767.86	39931.54	73899.79	152639.5	149680.4	174359.1	56199.73
Rrp0402	1464492	1575892	58050.77	1204990	1581662	1292839	1032812
Rrp0263	67544.33	80038.23	712963.8	53674.82	70299.7	77952.18	286848.8
Rrp0552	36642.86	37909.52	34540.76	122008.8	135501.1	145442.6	36364.38
Rrp0612	420339.1	397473.6	414088.2	549169.9	507977.7	481150.7	410633.6
Rrp0585	2061064	2401323	1995657	1881467	2051631	2006312	2152681
Rrp0570	95221.34	107316.9	107809	10898.54	10980.59	11783.1	103449.1
Rrp0774	126362.7	126128.8	110444.4	29564.92	28576.74	28442.45	120978.6

Rrp0666	13257.13	14650.66	22927.16	112066.8	121234.7	85605.34	16944.98
Rrp0659	241650.7	216667	255663.1	158399	125163.1	157315.4	237993.6
Rrp0449	423096.1	440872.6	374462.3	516678.1	580076.9	462463.6	412810.3
Rrp0764	318853.2	360193.4	339598.5	293178.9	364130.1	959113.8	339548.4
Rrp0093	1279259	1401403	1339531	1275242	1223011	1204668	1340064
Rrp0427	105114.5	91468.39	92959.27	185172.8	183894.1	172799.9	96514.07
Rrp0696	1758056	1790673	1785393	1820918	1949233	1860081	1778041
Rrp0076	329019.2	333169.9	311926.5	415974.2	410931.8	388818.9	324705.2
Rrp0190	76877.81	769925.7	972994.1	2383557	274362.2	212963.8	606599.2
Rrp0107	3035988	3336016	2877597	2798031	3157471	2761343	3083200
Rrp0454	2949732	3577691	3443476	3277810	3248931	2851133	3323633
Rrp0675	101145.5	78261.5	98008.51	314446.1	335175.2	29227.81	92471.82
Rrp0073	245754.8	32399.75	387450.8	103042.6	87682.61	69843.68	221868.5
Rrp0269	42936	39018.88	41521.58	98446.02	140843.6	109378.5	41158.82
Rrp0221	503411.3	636727.6	790243.6	510660.4	553899.4	496677.9	643460.8
Rrp0534	659699.6	685141.8	611705.5	679900.9	778179.8	774694.3	652182.3
Rrp0470	150410.7	170419.1	194608.4	73183.48	119829.5	93590.16	171812.7
Rrp0608	27132.63	77804.24	65667.32	105322.7	148930.3	147186.1	56868.07
Rrp0554	52579595	41034863	32017208	48009992	41990737	38728713	41877222
Rrp0013	161622.2	178884.2	187331.2	103953.4	106689	110708.2	175945.9
Rrp0104	125569.8	107433.3	141207.4	264943.4	316404.9	107470.5	124736.8
Rrp0544	71224.44	66097.31	66754.64	151824.5	112544	153592.7	68025.46
Rrp0756	114194.9	135795.3	155849.8	65557.55	65729	63110.44	135280
Rrp0048	27004.13	10064.01	25036.87	79028.99	105112.2	83837.28	20701.67
Rrp0252	44383.28	30796.07	47521.11	123210.6	103795.5	98930.13	40900.15
Rrp0723	23583.96	24848.96	24832.92	52309.21	142662.8	111762.3	24421.95
Rrp0257	345783.4	400788.9	398383	467617.2	343042.8	702400.7	381651.7
Rrp0128	156296.2	161586.7	176207.1	104207.3	103749.6	101003.9	164696.7
Rrp0677	74561.12	66542.37	87703.19	11252.67	10741.77	21029.38	76268.89
Rrp0775	83264.2	70645.42	90719.99	2246.643	31701.04	20018.12	81543.2
Rrp0250	679512.5	756869.4	629628.5	478801.9	698273	576947.9	688670.1
Rrp0074	2053521	2210654	1935687	1964256	2171084	1603425	2066621
Rrp0009	219166.2	145403	26329.98	43159.69	39853.96	34478.56	130299.7
Rrp0108	1301134	1430053	1372574	1412963	1533559	1425879	1367920
Rrp0376	127550.3	68343.28	22787.05	309978.2	42385.37	190199.4	72893.55
Rrp0604	73899.3	71556.26	77852.4	18493.27	12085.06	19255.41	74435.99
Rrp0174	208063.2	292023.5	255310.8	169794.7	134188.5	220195.6	251799.1
Rrp0502	313813.7	73086.91	112444.7	73696.21	51816.59	73614.86	166448.4
Rrp0638	1234375	1175982	1201512	891920.1	1138635	1232612	1203956
Rrp0689	21855.47	37541.29	39245.69	134994.1	91355.43	70084.31	32880.82
Rrp0080	19308.98	153345.6	187890.5	45001.79	5262.545	44144.38	120181.7
Rrp0463	614076.4	555669.3	537790.9	543075.4	486195.4	452933	569178.9
Rrp0433	130118.4	149504.8	146602.4	83003.25	87935.66	84745.03	142075.2
Rrp0572	650509.9	631316.6	612818.4	667449.3	701698	716502.3	631548.3
Rrp0531	395735.7	175905.3	651699.7	283040.6	336159.4	225616.4	407780.2
Rrp0348	177113.6	140493	18638.75	25220.75	46834.56	27906.41	112081.8
Rrp0037	190994.1	200861.2	193826.8	158217.9	144309.6	121514.3	195227.4
Rrp0486	53148.67	69271.41	64957.88	7743.616	15344.32	11164.33	62459.32
Rrp0219	334302.7	298016.5	493328.4	286548.3	345834.7	225465.8	375215.9
Rrp0561	78061.24	62220.99	57190.08	21560.09	12749.88	15010.88	65824.1
Rrp0520	34538.55	40713.98	32598.7	74160.69	83951.45	96670.8	35950.41
Rrp0083	13352.06	110921.5	128491.6	14474.06	15246.26	17462.37	84255.06
Rrp0086	269018.1	281325.5	234770.4	181095.7	164693.8	249967.4	261704.7

Rrp0364	171926.5	196676.8	185138.3	132727	139774	136466.7	184580.6
Rrp0599	77736.45	91709.57	78942.21	29015.79	48569.64	30166.78	82796.08
Rrp0749	93549.96	81166.3	73865.32	42265.89	38617.29	33063.01	82860.53
Rrp0615	487735.4	509373.4	427795	397053	464273.4	367815.6	474968
Rrp0631	37543.22	26793.23	27490.5	71196.27	70932.81	78815.41	30608.98
Rrp0135	80460.99	109925.2	87654.8	130619.2	133152.7	154803.5	92680.34
Rrp0371	71626.12	11971.67	6007.5	130242.8	172448.6	8633.495	29868.43
Rrp0193	19125.81	160321.4	109086.1	21842.15	39887.63	26277.93	96177.8
Rrp0004	207098.6	239039.9	214083.3	176219.6	196050.2	129427.8	220073.9
Rrp0248	283553.4	234884	227058.6	263421.8	317531.7	332453.8	248498.6
Rrp0087	14830846	17727872	18650552	16657280	17552138	16011899	17069757
Rrp0338	78071.77	73690.87	74200.34	37579.29	37088.73	31755.22	75320.99
Rrp0196	283789.1	303036.8	263308.3	226253.2	255739.6	228761.7	283378.1
Rrp0387	320478.3	223955.1	243596.8	213038.8	212008.8	199622.5	262676.7
Rrp0206	101907.9	110352.6	111971.1	77484.75	73455.3	58654.45	108077.2
Rrp0284	135547.7	149407.3	134628.2	95177.41	117501.1	84902.32	139861.1
Rrp0140	1270279	1755192	1130817	1236256	1539759	973722.5	1385429
Rrp0726	134801.3	128639.3	143357.4	168650.3	168909.4	180015	135599.3
Rrp0657	254359.7	186693	199600.6	158002.1	186275.4	150681.9	213551.1
Rrp0271	401246.4	438444	441429.9	473093.3	541992.7	432566.9	427040.1
Rrp0603	99162.26	102863.4	90828.5	62314.74	64474.22	61389.07	97618.06
Rrp0115	2016432	1997113	1907327	366276.7	4327500	305081.4	1973624
Rrp0205	2200693	2444764	2136358	2282223	2310747	1855554	2260605
Rrp0742	835867.1	1127442	1325976	1153352	1203287	1230483	1096428
Rrp0279	124433.7	109619	110231.6	149409.1	150814.5	148452	114761.4
Rrp0079	82882.95	81175.89	81961.44	108493.2	130695.5	111429.1	82006.76
Rrp0748	51132.16	66611.96	55264.48	23056.01	36967.37	2857.901	57669.53
Rrp0017	60327.96	60373.91	50935.64	82388.07	89756.81	98807.81	57212.5
Rrp0562	73146.06	1021720	73865.11	63158.99	6832.976	634633.4	389577.1
Rrp0167	459363.7	500659.5	419655.3	381654.6	465610.6	372875.6	459892.8
Rrp0379	67132.35	70775.31	60280.2	109275.9	105349.2	85138.29	66062.62
Rrp0260	15772.52	13103.59	16400.57	8399.219	85351.7	87727.49	15092.23
Rrp0385	55704.13	60844.32	6616.979	2844.043	2798.941	2097.146	41055.14
Rrp0332	3026952	3348967	3252100	3654355	3439680	2896865	3209340
Rrp0616	241232.4	265666.3	226342.5	210200	215774.9	205350.2	244413.7
Rrp0430	19359.24	38363.62	18558.59	29141.15	94675.9	70088.87	25427.15
Rrp0762	18855.98	15275.12	14129.86	44066.02	40074.95	47330.12	16086.98
Rrp0647	238024.1	246334.7	196073.8	182410.8	194926.7	194445.4	226810.9
Rrp0023	224770.9	245428.4	181002.3	306012.9	209417.7	280156.6	217067.2
Rrp0022	97252.46	93198.62	129026.5	40379.86	81034.45	84725.22	106492.5
Rrp0739	23785.88	44898.7	26478.81	45534.47	217751.9	15186.1	31721.13
Rrp0225	195023.2	160212.5	184278.4	129361	130028.3	171114	179838
Rrp0408	100476.3	158896.1	170248.4	102499.6	85080.9	120076.8	143206.9
Rrp0315	64720.29	73417.46	31655.25	15460.36	23451.95	31295.22	56597.66
Rrp0214	72746.34	72811.61	67306.95	150066.2	112768.8	67802.94	70954.96
Rrp0183	432033.8	638084.3	513297.3	599143.7	739007.3	460173	527805.1
Rrp0539	73295.99	90974.39	83861.84	68859.27	45240.97	50119.89	82710.74
Rrp0496	14749.59	12675.76	12301.79	34643.93	35892.93	36880.39	13242.38
Rrp0113	206335.7	194260.3	170186.6	245729.7	202212.5	218794.9	190260.9
Rrp0766	149720.9	15781.01	13729.73	13150.71	16029.38	12467.72	59743.87
Rrp0597	25457.37	25548.23	22544.93	40831.47	55123.81	45671.8	24516.85
Rrp0369	274604.1	314079.6	237468.3	317761.8	333352.8	284708.5	275384
Rrp0442	14828.96	12591.13	14683.87	33934.53	38046.87	32819.32	14034.65

Rrp0557	48252.34	33248.31	33892.88	20061.93	14347.38	13141.33	38464.51
Rrp0336	126908.9	132824	131393.7	152586.4	180896.2	139463.6	130375.6
Rrp0209	110121.1	111284.7	115105.6	86828.2	98271.42	86197.53	112170.5
Rrp0001	73715.69	64332.96	63760.03	42250.33	33902.26	55347.32	67269.56
Rrp0411	42765.38	42099.34	44171.34	24947.46	22696.83	20418.08	43012.02
Rrp0049	463266.9	381641.7	323557	466195.7	426305.8	411152.8	389488.5
Rrp0424	45045.01	47448.25	51547.62	6438.997	7259.197	46996.7	48013.63
Rrp0419	6104984	5363032	4010568	7318657	5620196	3271159	5159528
Rrp0341	62575.43	106317.4	84375.61	50359.18	47751.96	70347.76	84422.8
Rrp0276	101259.4	124296.5	149356	75754.71	100968.6	109549.8	124970.6
Rrp0040	531037.6	627527.9	508128	503261.4	525147.4	520423.7	555564.5
Rrp0047	1202283	1242262	1069801	2236011	430473.6	415731.1	1171449
Rrp0576	32147.67	33499.53	34162	17118.45	12519	14905.83	33269.73
Rrp0632	352026	344293.6	322381.4	367485.2	397852.9	340788.2	339567
Rrp0621	212395.9	367486.3	298457.5	244359.8	287148.6	215061.9	292779.9
Rrp0360	34990.27	29595.45	40483.03	17241.01	21029.69	10582.22	35022.91
Rrp0006	794382.2	730578.8	828843.8	712914.5	793418.7	735423.2	784601.6
Rrp0270	493448.7	514525.2	454443.1	456916.5	466040.3	459082.2	487472.3
Rrp0633	275170.1	274201.1	256325.4	221434	244147.7	267737.6	268565.5
Rrp0436	273789.9	391648.4	389498.4	385712.2	403017.6	372890	351645.6
Rrp0285	5799.391	6423.006	4760.312	19494.94	22209.32	15293.33	5660.903
Rrp0393	12604.85	17973.8	15182.68	22798.84	28432.16	33046	15253.78
Rrp0540	23588.16	35740.32	33695.72	13968.49	23169.82	14169.8	31008.07
Rrp0268	27596.6	49628.46	14985.37	63970.78	49199.53	33859.6	30736.81
Rrp0398	34177.96	34559.36	33375.45	44978.17	43557.67	44287.82	34037.59
Rrp0573	211443	198010.9	185382.4	172982.2	192263.5	183394.9	198278.8
Rrp0189	479322.2	564855.9	613565.3	457103.7	761797.8	567235.7	552581.1
Rrp0292	23352.46	30846.71	18302.46	8750.963	18628.21	8326.66	24167.21
Rrp0043	133691.3	104409.2	136739	441366	44380.66	43559.5	124946.5
Rrp0039	34590.1	28487.71	48115.05	24795.37	23928.71	24485.55	37064.29
Rrp0473	15156.91	25002.8	17286.13	31566.57	25716.64	31622.45	19148.61
Rrp0763	17290.68	17524.65	17208.31	26717.35	24472.33	26116.26	17341.21
Rrp0729	17287.12	25867.66	11915.22	48080.94	7544.697	49428.22	18356.67
Rrp0700	26528.28	91825.48	31368.54	40143.92	33397.07	18177.05	49907.43
Rrp0500	31901.89	57905.22	78446.1	81987.26	68785.33	64541.95	56084.4
Rrp0287	44336.28	43980.84	54566.15	32154	44632.36	35294.04	47627.75
Rrp0012	1029952	1159762	1047692	1097482	1210026	1023671	1079135
Rrp0575	168636.7	209161.3	163081.9	175589.7	164747.9	153452.5	180293.3
Rrp0286	31155.42	32726.41	21876.43	18222.25	23084.23	18056.46	28586.09
Rrp0146	15169.13	195831.9	178082.8	96492.23	111584.4	98172.72	129694.6
Rrp0005	11949.03	110321	129449.5	95072	113505.1	105727	83906.52
Rrp0145	204909.5	206662.1	238270.9	213205	211542	184834.3	216614.2
Rrp0024	73942.48	69446.87	74880.96	80664.85	86902.58	74447.69	72756.77
Rrp0462	24900.83	22076.46	18106.36	25086.55	30269.33	30781.67	21694.55
Rrp0075	2250196	2427321	2356192	2087928	2568987	2249771	2344570
Rrp0587	14055.89	24203.03	20114.61	29401.58	24408.9	26626.01	19457.84
Rrp0613	303595.8	355082.7	361563.6	330033.2	333873.3	310291.2	340080.7
Rrp0144	67993.17	50478.03	51187.88	54349.05	46780.11	40345.1	56553.03
Rrp0769	33219.59	29267.99	33998.89	25958.99	27553.35	24902.5	32162.16
Rrp0224	20009.63	13627	10686.78	24148.24	19938.78	21115.26	14774.47
Rrp0157	93356.96	133458.2	91794.45	143072.1	132272.4	89144.41	106203.2
Rrp0560	10673.47	8300.485	12644.03	6815.611	3417.51	4059.673	10539.33
Rrp0434	19966.34	15633	117917.5	35632.3	27330.88	34076.88	51172.29

Rrp0296	95263.6	99772.04	98029.54	130736.8	104010.4	92217.76	97688.39
Rrp0382	17093.11	17744.9	17906.46	12779.5	12646.17	12608.8	17581.49
Rrp0136	186458.7	171366.5	203268.3	154115.7	200583.7	166748.4	187031.2
Rrp0727	177608.4	200198.2	178157.2	205236	197685.7	183541.5	185321.2
Rrp0605	7528.044	6606.767	7768.779	13254.26	13358.23	10387.86	7301.196
Rrp0704	28740.5	26458.54	24404.17	30170.02	31158.4	34799.79	26534.41
Rrp0571	30121.39	38312.29	37063.58	43190.06	36198.01	46676.75	35165.75
Rrp0089	18040.01	19550.64	24170.48	11887.01	15697.48	17246.35	20587.04
Rrp0365	149797.1	136035.8	135718.6	112154.5	112875.1	160345.6	140517.1
Rrp0395	9202.325	17694.98	11958.52	6525.578	9094.435	7109.017	12951.94
Rrp0324	3660293	4299819	3607363	3527582	4386042	3798728	3855825
Rrp0056	12323.04	12141.42	32829.66	27125.94	27688.18	25102.95	19098.04
Rrp0016	1446921	1511671	1478776	1461091	1498951	1434730	1479123
Rrp0211	228705.7	232942.8	191591.6	138934.1	227574.9	239314.8	217746.7
Rrp0667	26671.04	28829.89	28191.28	31142.96	30175.64	35501.02	27897.4
Rrp0120	408097.3	666080.2	552120.5	749401.9	520928.8	442021.8	542099.3
Rrp0718	33166.39	28157.78	29411.14	22747.63	23741.52	29668.73	30245.1
Rrp0101	88515.76	95948.8	84221.56	86608.13	96031.55	106731.5	89562.04
Rrp0548	1217307	1461207	1096239	1383679	1221967	1251322	1258251
Rrp0458	93952.92	123883.1	86047.71	83959.33	108834.4	82772.62	101294.6
Rrp0187	131707.5	114661.1	147383.4	155355.4	123252.8	141880	131250.7
Rrp0416	62588.08	12164.14	12135.01	14680.37	5126.817	111157.5	28962.41
Rrp0403	52384.83	51092.68	51758.4	54759.78	54537.48	54290.55	51745.31
Rrp0630	345836.6	327190.6	335044.1	361705.4	375458.6	304232.8	336023.7
Rrp0377	36806.02	139962.5	40796.73	106963.8	58648.02	93529.73	72521.76
Rrp0776	12895.52	15221.86	10032.5	16078.15	14779.47	18175.39	12716.63
Rrp0014	2.41E+08	2.55E+08	2.36E+08	2.48E+08	2.59E+08	2.25E+08	2.44E+08
Rrp0007	15845.95	22179.32	16155.65	21897.26	22111.95	21347.96	18060.31
Rrp0550	141288.5	117287.9	137376.3	122273.3	121448.7	133818.6	131984.2
Rrp0302	348701.9	390330.9	300694.8	326869.8	373227.9	304424.5	346575.9
Rrp0178	54980.51	52076.7	43356.19	52660.82	75681.58	42159.42	50137.8
Rrp0622	12399.38	10440.04	10771.85	12022.38	14362.45	14818.47	11203.76
Rrp0767	15625.56	19799.31	14409.2	22012.58	21765.47	16120.78	16611.36
Rrp0693	92661.29	78048.1	71335.04	171687.9	15680.29	94045.17	80681.47
Rrp0179	19690.66	8816.979	9081.014	1927.183	16213.94	5733.5	12529.55
Rrp0042	623900.8	626271.5	606988.7	596777.4	655466	628682.3	619053.7
Rrp0394	13753.17	13587.77	10462.01	15528.43	13307.82	16714.1	12600.98
Rrp0362	18991.02	16612.16	13656.85	15515.97	14165.28	11533.92	16420.01
Rrp0374	51393.33	109406.2	43736.02	69313.6	79725.99	29297.58	68178.52
Rrp0353	4749.422	1596.578	3473.527	1080.86	636.525	2121.958	3273.175
Rrp0586	716707.3	807602	759126.5	773244.7	782158.6	697119.5	761145.3
Rrp0138	32593.83	27898.91	29660.75	28010.82	25535.15	29391.33	30051.16
Rrp0118	108935.6	94565.69	93846.6	105836.3	114270.3	91725.92	99115.96
Rrp0501	35432.25	20463.49	61795.61	14260.16	19753.03	62704.01	39230.45
Rrp0401	15092.1	11255.03	12346.92	14875.9	14560.31	14710.05	12898.02
Rrp0601	88314.82	87380.02	110063.8	29163.5	27559.77	264875.2	95252.89
Rrp0325	12325.28	134849.4	15500.37	19411.77	14835.85	99149.21	54225.03
Rrp0038	328633.9	289088.5	343697.9	316451.1	322815.1	305931.4	320473.4
Rrp0425	11340.24	19572.46	14004.22	3637.521	16020.4	16997.06	14972.31
Rrp0758	16374.45	31712.62	10940.16	23771.18	20263.63	23916.19	19675.74
Rrp0541	148231.9	237015.1	211280.6	184082.1	173570.8	219112.9	198842.5
Rrp0343	12591.6	12988.45	16619.6	24524.09	6002.041	2870.651	14066.55
Rrp0081	15548.9	12783.3	15941.03	12784.63	14794.32	12822.39	14757.74

Rrp0054	22236.87	21854	15346.74	18335.84	18864.01	17326.79	19812.54
Rrp0301	80901.49	70721.38	9002.805	50480.2	47772.52	48213.75	53541.89
Rrp0242	51231.49	28554.66	40648.17	40054.21	37119.03	35856.3	40144.77
Rrp0397	9719.68	12836.09	7244.166	11654.04	7178.583	6568.366	9933.313
Rrp0389	14714.82	147576.8	16879.15	135851.7	11053.42	11183.25	59723.59
Rrp0733	15265.24	14884.77	14833.14	14402.38	14803.34	19381.82	14994.39
Rrp0487	13650.29	13949.82	14568.85	12853.65	13346.84	13948	14056.32
Rrp0431	894002.3	997818	1061288	928705.6	1030930	972423	984369.4
Rrp0291	26178.25	5997.253	10445.84	8519.708	14514.22	25864.95	14207.11
Rrp0335	11894.79	13352.25	14717.09	14803.83	11562.88	10941.47	13321.38
Rrp0082	211501.7	242856.5	248210.6	248714.7	212093.3	234068.1	234189.6
Rrp0435	8072.033	15523.09	20904.67	13114.83	23098.93	12271.96	14833.26
Rrp0156	13139.94	11386.41	12248.39	4266.122	31314.76	5656.925	12258.25
Rrp0295	13633.78	13171.76	11084.4	8285.525	2056.534	23752.17	12629.98
Rrp0084	48178.45	64971.53	69315.27	51600.37	70893.96	55272.45	60821.75
Rrp0553	5633.678	6862.439	5507.348	3244.95	5356.681	11568.85	6001.155
Rrp0314	50633.27	39959.98	27977.14	23636.32	50862.19	48444.13	39523.46
Rrp0506	9157.423	8398.763	4758.179	16058.54	2746.378	963.2025	7438.121
Rrp0342	20178.8	31775.77	7749.208	9603.752	14434.98	39103.14	19901.26
Rrp0180	171583	236423.7	172874.4	187797.7	214954	182387.4	193627
Rrp0011	1.16E+08	1.17E+08	1.12E+08	1.16E+08	1.19E+08	1.1E+08	1.15E+08
Rrp0372	12158.88	16498.68	18984.73	14829.28	14904.66	16699.97	15880.77
Rrp0215	51154.05	24535.16	21299.7	46181.8	34613.7	19278.22	32329.63
Rrp0650	2362255	2513002	2897046	2771470	2267211	2741161	2590767
Rrp0494	19572.72	28704.11	33519.27	33967.48	26605.23	22714.48	27265.37
Rrp0057	30134.9	38013	32841.19	37927.47	31065.63	30814.6	33663.03
Rrp0524	18628.3	12258.99	35863.73	34595.18	12079	21460.45	22250.34
Rrp0375	19042.4	15539.79	11178.67	10519.06	19873.32	15853.66	15253.62
Rrp0468	23391.25	25529.88	21122.26	22838.93	20268.66	26665.74	23347.8

case	meanlog2FoldCh	Pvalue	padj	vip
1.36E+09	2.837498	6.18E-09	1.58E-06	7.378923
1.35E+09	2.829548	3.26E-07	2.06E-05	7.342073
1.31E+09	2.811955	1.36E-07	1.72E-05	7.23932
1.29E+09	2.745279	2.07E-07	2.06E-05	7.148022
1.26E+09	1.641204	3.57E-06	0.000127	6.304257
1.24E+09	1.514012	2.83E-07	2.06E-05	6.116578
7.71E+08	5.20721	3.70E-05	0.000492	5.892695
4.65E+08	5.302281	3.90E-05	0.000492	4.58497
4.26E+08	7.124951	7.35E-08	1.24E-05	4.435642
7.32E+08	-0.30354	0.000334	0.00211	2.805088
5.28E+08	0.518941	0.0014	0.005845	2.68501
2.05E+08	2.123147	0.000785	0.003795	2.684429
2.03E+08	2.064835	0.000142	0.001261	2.671328
1.05E+09	-0.16646	0.012449	0.029937	2.332689
8.58E+08	0.202904	0.001475	0.005959	2.251094
2.13E+08	1.033534	0.000528	0.002838	2.231411
1.14E+08	3.827322	0.000265	0.001878	2.204887
14608711	-2.82489	1.90E-06	8.70E-05	2.033235
1.19E+09	-0.11152	0.031736	0.0665	1.948035
1.43E+08	-0.66416	0.009748	0.024014	1.893943
1.39E+08	-0.63526	0.000699	0.003463	1.871278
1.07E+08	1.731156	9.17E-06	0.000211	1.862422
76460778	-0.97045	6.16E-06	0.000164	1.847117
6.03E+08	0.241597	0.071191	0.130733	1.826459
4.21E+08	-0.47926	0.409139	0.51016	1.808769
1.35E+08	-0.60532	0.000823	0.003848	1.790191
66343390	-1.03359	0.000261	0.001878	1.787155
1E+08	1.504851	0.000237	0.001812	1.728083
63189123	8.205779	3.39E-06	0.000127	1.71154
18534444	-2.04758	1.08E-05	0.000237	1.643151
1.26E+08	-0.55089	0.004577	0.013285	1.604178
3.09E+08	0.280938	0.009663	0.02392	1.528742
8.11E+08	-0.09069	0.031174	0.065596	1.444189
50453496	2.990514	0.0002	0.001649	1.425013
8.47E+08	-0.07242	0.001819	0.006831	1.400674
43019267	3.127466	0.000677	0.003417	1.317185
30739315	-1.07768	0.000867	0.003979	1.246085
28849177	-1.10558	0.000346	0.002158	1.234803
1.48E+08	0.401387	0.014039	0.032975	1.22791
2.72E+08	-0.17321	0.057304	0.109203	1.134172
25487202	-1.0188	3.83E-06	0.000127	1.102847
23715005	-1.02546	5.63E-06	0.000158	1.068461
7422833	-2.05172	2.51E-05	0.000373	1.040934
13605965	-1.43926	8.90E-05	0.000899	1.037058
1.24E+08	-0.30052	0.073533	0.134544	1.014168
7295700	-1.98379	3.08E-05	0.000445	1.00004
8826408	-1.75638	6.77E-05	0.000728	0.985648
65320951	0.57477	0.006487	0.017518	0.965376
6932835	-1.92127	8.17E-06	0.000196	0.947361
2.29E+08	-0.15674	0.102981	0.172906	0.93771
4217284	-2.28831	7.98E-06	0.000196	0.872862
33631544	0.690011	0.001853	0.006879	0.757814

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

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

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

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

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

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

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

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

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

row	S-L-1	S-L-2	S-L-3	H-L-1	H-L-2	H-L-3	control_me:
Rrp0546	9.82E+08	9.7E+08	9.23E+08	1.57E+09	1.49E+09	1.5E+09	9.59E+08
Rrp0681	2.74E+08	3.01E+08	3.12E+08	8.33E+08	8.16E+08	8.43E+08	2.96E+08
Rrp0680	2.96E+08	2.98E+08	3.08E+08	8.1E+08	8.16E+08	8.21E+08	3.01E+08
Rrp0679	2.83E+08	2.93E+08	2.83E+08	8.09E+08	7.98E+08	7.65E+08	2.86E+08
Rrp0686	2.78E+08	2.77E+08	2.85E+08	7.76E+08	7.75E+08	7.89E+08	2.8E+08
Rrp0547	6.21E+08	6.33E+08	6.11E+08	1.51E+09	9.89E+08	9.28E+08	6.22E+08
Rrp0669	5.12E+08	4.49E+08	5.11E+08	8.14E+08	8.15E+08	8.1E+08	4.91E+08
Rrp0668	5.05E+08	4.56E+08	5E+08	8.09E+08	7.6E+08	8.27E+08	4.87E+08
Rrp0582	1.6E+08	1.55E+08	1.66E+08	4.09E+08	4.18E+08	3.67E+08	1.61E+08
Rrp0522	7.99E+08	7.86E+08	8.16E+08	5.97E+08	5.98E+08	6.02E+08	8E+08
Rrp0651	3.15E+08	3.08E+08	3.09E+08	4.63E+08	5.18E+08	4.92E+08	3.11E+08
Rrp0165	6.4E+08	6.66E+08	6.87E+08	8.67E+08	8.39E+08	7.96E+08	6.64E+08
Rrp0527	6.49E+08	6.49E+08	5.77E+08	4.83E+08	4.91E+08	3.61E+08	6.25E+08
Rrp0530	41612843	54359537	44901425	2.11E+08	2.14E+08	1.9E+08	46957935
Rrp0529	5.99E+08	6.19E+08	6.64E+08	5.03E+08	4.32E+08	4.49E+08	6.27E+08
Rrp0549	24038956	20265021	21896403	1.59E+08	1.27E+08	1.31E+08	22066793
Rrp0228	2.07E+08	1.99E+08	2.06E+08	91848158	93433629	81443856	2.04E+08
Rrp0359	1.01E+09	9.89E+08	1.02E+09	8.92E+08	8.97E+08	9.05E+08	1.01E+09
Rrp0692	5178099	5456110	5216072	97203366	1.16E+08	97016756	5283427
Rrp0321	1.04E+08	1.14E+08	1.17E+08	20427255	19957273	19254791	1.12E+08
Rrp0361	9.88E+08	9.53E+08	9.8E+08	8.64E+08	9.05E+08	8.71E+08	9.74E+08
Rrp0538	1.22E+09	1.2E+09	1.22E+09	1.14E+09	1.15E+09	1.14E+09	1.21E+09
Rrp0514	45786999	44022592	52397973	1.15E+08	1.14E+08	1.06E+08	47402522
Rrp0670	1.15E+08	1.16E+08	1.2E+08	1.85E+08	1.77E+08	1.68E+08	1.17E+08
Rrp0511	54640427	59477813	64784963	1.21E+08	1.24E+08	1.05E+08	59634401
Rrp0684	1.3E+08	1.38E+08	1.28E+08	1.93E+08	1.96E+08	1.76E+08	1.32E+08
Rrp0515	36814840	37339648	41784121	94156322	94065693	79329350	38646203
Rrp0366	97862876	88254041	91600459	1.42E+08	1.42E+08	1.29E+08	92572459
Rrp0188	6.65E+08	6.45E+08	6.54E+08	6.11E+08	6.15E+08	6.11E+08	6.55E+08
Rrp0672	1631208	1685243	1801622	47779075	41434576	36777669	1706024
Rrp0305	45037953	42792119	53975331	98884090	84578319	81140179	47268468
Rrp0678	13744893	14033503	14710906	52607278	50919409	54186717	14163100
Rrp0438	1.28E+08	1.43E+08	1.45E+08	1.87E+08	1.95E+08	1.64E+08	1.39E+08
Rrp0655	39198968	46620719	40690649	80419264	79508270	77403264	42170112
Rrp0654	41806664	40793667	39971985	78461266	86643158	69845712	40857439
Rrp0600	6282403	7732976	7546734	42661736	42762380	40517559	7187371
Rrp0674	1.15E+08	1.23E+08	1.31E+08	1.73E+08	1.57E+08	1.51E+08	1.23E+08
Rrp0598	8276590	7856394	7400533	36692855	39347997	37735540	7844505
Rrp0481	43166443	45895100	43744377	14720846	14495578	13365283	44268640
Rrp0293	13350282	14215675	12816447	45116227	38904265	39631349	13460801
Rrp0517	40479418	35852220	37159413	11138406	10356447	10601476	37830350
Rrp0512	50937842	47455441	53448112	24448794	24072672	22806265	50613798
Rrp0510	51726401	51023300	59356113	26635145	28197336	27117101	54035272
Rrp0664	1.82E+08	1.8E+08	1.78E+08	1.5E+08	1.59E+08	1.51E+08	1.8E+08
Rrp0339	36868357	37277393	38108463	64028158	64017400	60902700	37418071
Rrp0564	290804.5	340928.8	303459.9	25014097	25111223	25370085	311731.1
Rrp0690	565160.1	530316.8	638177.3	22042652	26218541	27669094	577884.7
Rrp0643	26289598	23069420	25332183	48853974	48701730	50734789	24897067
Rrp0480	41529611	38320607	38374669	15586665	15942133	13690746	39408296
Rrp0507	38671994	46566263	47493269	22582710	21524238	20064463	44243842
Rrp0509	7491859	8113806	8361813	31037726	29412056	29260421	7989159
Rrp0685	10161668	9981111	9877114	25313981	30591455	28837098	10006631

Rrp0569	12351109	12508125	12846257	31508804	30125297	29077923	12568497
Rrp0386	2.46E+08	2.32E+08	2.41E+08	2.64E+08	2.65E+08	2.5E+08	2.39E+08
Rrp0333	1.29E+08	1.29E+08	1.28E+08	1.43E+08	1.42E+08	1.45E+08	1.29E+08
Rrp0148	32052377	34009422	33303354	20343034	19898647	16408796	33121718
Rrp0754	22380416	26512707	28587378	11406317	11702128	11808257	25826834
Rrp0014	2.04E+08	1.95E+08	2.08E+08	2.22E+08	2.24E+08	2.08E+08	2.02E+08
Rrp0102	34821409	37457523	33964265	48019616	46671248	48168240	35414399
Rrp0676	4416075	5024109	4440796	14632824	17569994	16363062	4626993
Rrp0011	91389673	87188585	87879559	1.07E+08	1.03E+08	95768530	88819272
Rrp0531	4139462	4221889	4282451	14907660	16275005	15522889	4214601
Rrp0456	53851504	55439232	57093693	46933473	40486658	44692475	55461476
Rrp0532	5549162	5346023	4893671	15206416	16381759	16142781	5262952
Rrp0328	2609550	2492804	2435859	13099140	13100286	12640214	2512738
Rrp0098	27582560	28354323	26745284	17289991	16860854	17421326	27560722
Rrp0096	25387508	26356131	23967404	16500457	15630918	15733300	25237014
Rrp0455	53490472	54307797	55704964	45405018	44589550	45959008	54501078
Rrp0545	15679053	13925688	14164725	24013020	25951746	21952698	14589822
Rrp0753	15092139	16535089	16799723	6768669	7771398	6638027	16142317
Rrp0673	7078579	7040234	8381529	15784716	16198369	15502624	7500114
Rrp0493	5590112	4406458	5047942	13200817	17877692	11065922	5014837
Rrp0090	87991252	94756246	93933053	97393175	1.04E+08	1.04E+08	92226850
Rrp0696	3381850	3356355	4005587	10895549	11932746	11492413	3581264
Rrp0112	23370642	16965839	19865001	32067123	28360778	25910446	20067161
Rrp0720	1394348	1518002	1559810	8761128	9647334	8158899	1490720
Rrp0190	845010.9	570833.8	2402532	8836086	8335033	7690181	1272792
Rrp0528	1.79E+08	2.34E+08	2.26E+08	2.07E+08	2E+08	1.82E+08	2.13E+08
Rrp0197	12293855	11429367	12248438	5623605	5379007	5643713	11990553
Rrp0644	29088046	31451498	30254550	36665067	36335799	37197700	30264698
Rrp0467	1641038	1971394	1832832	8385963	8534859	7029133	1815088
Rrp0466	1381570	1831881	1952466	7974477	7991723	7523350	1721972
Rrp0384	8.28E+08	8.56E+08	8.51E+08	8.44E+08	8.42E+08	8.08E+08	8.45E+08
Rrp0047	648262.2	721772.1	599635	6422269	5882795	5618309	656556.4
Rrp0229	8275315	8697282	8522891	3613357	3614698	3065418	8498496
Rrp0541	380139.9	574637.6	646833.4	7343849	4936762	5116863	533870.3
Rrp0648	7604017	6555707	6225256	1794040	1910562	1633645	6794993
Rrp0688	5383654	4294093	4319391	9735792	9268685	9845500	4665713
Rrp0568	9006671	7683242	8638123	15485463	11724541	13988526	8442679
Rrp0415	1711316	1708110	1733310	6495937	7128037	6161097	1717579
Rrp0565	7208757	7516453	6601661	12507158	12341644	11190126	7108957
Rrp0640	3216413	2905288	3076072	7681795	8069417	7530106	3065924
Rrp0701	1704480	1844735	1776263	6130318	6346403	6286540	1775160
Rrp0755	13148427	11573023	12042452	8877642	7301782	6230345	12254634
Rrp0641	644115.1	686797.4	666217.5	5039491	5337891	4908679	665710
Rrp0392	15829864	16801875	16840000	20772810	22466655	20188804	16490580
Rrp0665	19900059	17562981	18099442	22173310	22630400	23567291	18520828
Rrp0103	20850789	21379397	21064710	24413030	25358366	24894101	21098298
Rrp0100	915113.4	933933.4	978394.6	4658530	4702145	4193934	942480.5
Rrp0492	563871.7	984907.1	1033445	2564641	2861332	14874338	860741.1
Rrp0309	2752173	2923659	3518962	6636492	6911052	5931102	3064932
Rrp0402	1805051	1825680	2461632	5000297	6247977	5145708	2030788
Rrp0303	1251545	1314030	1199378	4747808	4758655	3961602	1254984
Rrp0683	3214100	3664730	2979451	6849455	6499278	5879827	3286093
Rrp0327	742684.6	742429.8	657413	3683478	3982684	3293474	714175.8

Rrp0174	295462.7	242354.5	340760.5	2975544	3783630	2982960	292859.2
Rrp0477	3842678	3104809	3844720	7051444	5812987	6870263	3597403
Rrp0422	5662018	4068101	4008354	1739577	1310640	1593084	4579491
Rrp0223	55951301	63664779	60931322	69375898	60655899	64510742	60182468
Rrp0319	16762422	16790909	16710922	19895745	19946572	18617421	16754751
Rrp0363	614705	597562.3	685166.1	3073923	3526783	3071980	632477.8
Rrp0626	2550483	2609760	2551777	5017137	5438155	4985554	2570673
Rrp0419	5986765	7315975	4323241	1771733	4518397	1737691	5875327
Rrp0420	6700228	8667054	8244926	10047323	10644839	11133199	7870736
Rrp0465	2559348	2369875	2480677	5013611	4751382	4797492	2469967
Rrp0317	16499052	16787951	17125744	19470887	20481675	18363048	16804249
Rrp0008	17110453	15790625	17461761	13596497	13633276	15181816	16787613
Rrp0242	42801.88	62827.28	70517.4	2257552	2323928	2403647	58715.52
Rrp0436	357576.6	424774	473953.6	3539594	2953394	1999265	418768.1
Rrp0191	4956077	5439656	4999788	7816031	8624634	6523204	5131840
Rrp0318	17014662	16560249	17783816	20167627	20112694	18498324	17119576
Rrp0368	5507542	6923757	6007284	8867175	8838089	7855455	6146194
Rrp0354	2248010	1794075	2832869	66899.55	55123.1	73385.26	2291651
Rrp0667	91340.93	169711.4	101884.7	2390833	2344042	2078061	120979
Rrp0548	1824600	1668394	1743897	3688538	3887405	3955810	1745630
Rrp0440	1.65E+08	1.95E+08	1.62E+08	1.68E+08	2.04E+08	1.74E+08	1.74E+08
Rrp0650	3250169	2917054	3287519	5077265	5968335	4672698	3151581
Rrp0489	19809918	19157454	20830446	22807133	23514361	20799327	19932606
Rrp0119	8577122	11806796	10858104	8317624	8433681	7159032	10414007
Rrp0306	5821774	5796410	5720156	7614698	7759934	7513118	5779447
Rrp0513	11835990	12357228	12742349	15244061	14766579	13331443	12311856
Rrp0377	146801.2	222264	18706.5	1247664	503455.1	8845646	129257.2
Rrp0508	10365353	9657391	10663266	11866528	12723537	11950669	10228670
Rrp0160	2671231	2096612	2384926	570357.3	681938.5	507381.7	2384256
Rrp0764	879455.2	892444.5	344775.2	2374146	2514252	2588728	705558.3
Rrp0474	4429560	4949906	4351993	2931796	2911761	2480132	4577153
Rrp0554	33156262	35272367	41845987	488237	49444769	39002158	36758205
Rrp0130	3137305	3327522	3190779	1543428	1641319	1607138	3218535
Rrp0697	6821761	6962099	7296178	8528562	8531746	8897599	7026679
Rrp0617	190379.6	204009.4	190224.8	1732481	2033147	1607250	194871.3
Rrp0583	48731.96	49695.41	49230	1584469	1543443	1687637	49219.12
Rrp0431	1034082	1023232	1089477	2657959	2826556	2364222	1048930
Rrp0714	3686798	4511962	4403172	6568109	5739912	5457843	4200644
Rrp0404	2005413	2259019	1928719	3699676	3377971	3627877	2064384
Rrp0657	137796.8	192405.4	121718.6	1501344	1763948	1448515	150640.3
Rrp0406	4691814	4750584	4964143	6178431	6467901	6041735	4802180
Rrp0349	276568.7	470518.6	2576008	4378919	5358321	627198.6	1107698
Rrp0588	1599746	1610258	1711843	2936841	3144669	2943679	1640616
Rrp0610	6200403	6996451	7641342	5624220	5553371	4975485	6946065
Rrp0143	13614308	14301712	14817839	16960075	17081614	14365710	14244620
Rrp0567	3732160	4199687	4146935	5278561	5747797	5228906	4026260
Rrp0381	1330320	1580605	1387986	2865121	3033598	2469057	1432971
Rrp0429	5336535	4995879	5428329	3934331	3886937	3973147	5253581
Rrp0649	1661680	1674091	1745702	13028120	985275.7	1092869	1693824
Rrp0348	1753775	1241578	1948687	284024.2	262393	334892.3	1648013
Rrp0589	1563858	1664751	1674510	2871163	3016153	2854323	1634373
Rrp0302	461018.6	373980.5	387136.2	1691596	1752458	1501544	407378.4
Rrp0345	14222739	14982162	14537823	13113592	14150521	11703262	14580908

Rrp0523	116066.3	121507.2	131337.3	1039316	1384522	1556582	122970.3
Rrp0038	445677.5	486457.6	488890.8	1476955	1657591	1587005	473675.3
Rrp0581	299277.6	325759.7	300940.3	1318923	1529280	1375441	308659.2
Rrp0026	10028631	9788315	9897901	11190251	11176595	10655389	9904949
Rrp0324	2564322	2280396	2715346	3823157	3553354	3384142	2520021
Rrp0658	5963230	6078090	6287530	7790286	6854871	7100387	6109616
Rrp0079	76024.32	80918.82	78304.9	1547904	1134455	758030.7	78416.02
Rrp0752	377017.8	281756.2	283006.4	1201762	1344288	1322279	313926.8
Rrp0519	908118.1	900891.3	884813.3	1890984	1897554	1729228	897940.9
Rrp0185	2361273	1925566	2203603	3140846	3206191	2957432	2163480
Rrp0150	222708	162456.9	259698.9	1106417	1199830	1044857	214954.6
Rrp0647	932880.2	938894.1	983218	1801851	1935393	1765799	951664.1
Rrp0585	528237	500615.1	572908.8	1485122	1503181	1192101	533920.3
Rrp0597	26189	27163.95	19775.81	952186.5	765903.8	794585.4	24376.26
Rrp0607	804016.9	744396	857815.8	1634950	1673480	1501109	802076.2
Rrp0599	49451.1	38971.56	36841.57	908646.3	723887.3	748568.5	41754.74
Rrp0122	16435089	16414226	17254881	18190674	18625971	16677987	16701399
Rrp0171	2005176	2062082	2005066	2814313	2795028	2685605	2024108
Rrp0097	739160.7	987930.2	867032.3	1695348	1641220	1435345	864707.8
Rrp0074	1874200	1803630	2041976	1402715	1102943	1003935	1906602
Rrp0357	2664405	72531.69	221544	2203216	2249737	1974386	986160.3
Rrp0044	2807745	2597131	2017169	1989208	1453888	1652312	2474015
Rrp0408	224166.4	155600.3	165405.8	848985.7	829093	689747	181724.1
Rrp0544	309929.6	33317.56	38980.62	692298.8	866937.6	711541.3	127409.3
Rrp0060	2302983	2283422	2277415	3121670	3115219	2600963	2287940
Rrp0063	2266521	2335810	2380829	3034788	3017118	2735027	2327720
Rrp0417	2685559	2891963	2846704	2397581	2048150	2149291	2808075
Rrp0065	2275012	2245244	2374818	3055105	3092365	2580779	2298358
Rrp0504	1145163	792612.5	759444.2	1859822	1780945	1098547	899073.3
Rrp0691	19881.12	17669.98	22414.58	640140.8	594962.4	438354.5	19988.56
Rrp0031	3542002	3531219	3387831	4059254	4148711	3882633	3487017
Rrp0032	2262452	2263738	2212769	2890362	2846208	2609806	2246320
Rrp0072	5929213	5801761	5307038	6070221	6782235	6180939	5679337
Rrp0542	467508.9	524297.8	537204.1	979792.5	1110030	958980	509670.2
Rrp0062	1765202	1736362	1810315	2392477	2313669	2119429	1770626
Rrp0115	1252551	1158433	1112643	714885.1	709692.7	635158.1	1174542
Rrp0028	2185889	2279710	2150500	2843294	2652273	2602560	2205367
Rrp0169	694960.8	752965	747528.9	251711.1	271940.9	267823.3	731818.2
Rrp0158	3401285	3321799	3215781	2937091	2677502	2842467	3312955
Rrp0312	626260.8	494036.8	529610.3	83297	134857.4	18772.06	549969.3
Rrp0743	663226.7	773033.7	756590.6	1118416	1282614	1195803	730950.3
Rrp0278	1899104	2144092	2206533	2823890	2578001	2399627	2083243
Rrp0147	672739.2	653500.7	704187.7	1217547	1073411	1080400	676809.2
Rrp0561	94769.86	86460.79	83172.38	523637.5	519373.1	516368.4	88134.34
Rrp0577	824014.2	781351.6	880895.9	1144790	1315139	1338407	828753.9
Rrp0453	1583106	1692707	1724421	2036947	2902271	1865240	1666745
Rrp0642	614347.7	534240.1	696978.7	1071420	1097086	940173.9	615188.8
Rrp0370	515848.9	469142.9	471418.9	1010593	903498.4	796370.5	485470.2
Rrp0159	2670019	2785643	2628026	3140435	2994534	3176419	2694563
Rrp0164	675221	708717.7	703761.9	1143907	1074896	1013426	695900.2
Rrp0256	564270.6	500117.6	587790	218339.4	172428.2	127461.3	550726.1
Rrp0490	2663338	2610372	3085812	3507622	3229789	3047663	2786507
Rrp0078	209353.4	530788.8	224865.6	780756.1	789306	625876.4	321669.3

Rrp0189	410160.3	594502.3	496748.8	905569.9	827699.3	864605.6	500470.5
Rrp0332	918507.8	963196.2	1122273	1678065	1539887	1099147	1001326
Rrp0070	2411027	2567149	2420068	2791035	2747649	2861723	2466081
Rrp0075	1750934	1533024	1931152	1433448	1400689	1242594	1738370
Rrp0612	756093.7	718957.7	671336.3	414244.3	386916.2	409377.3	715462.6
Rrp0725	117214.7	158825.1	165719.5	467200.5	472039.7	432899.4	147253.1
Rrp0288	221796.6	2179984	2551777	1011729	973421.9	887983.8	1651186
Rrp0016	1497264	1522990	1590125	1852522	1861082	1804497	1536793
Rrp0638	1192792	1188179	1178932	1467498	1490340	1469476	1186635
Rrp0107	2821693	3024216	2858724	2720829	2561273	2392175	2901544
Rrp0572	644704.9	739937.7	798433.8	1005170	1093397	981702.1	727692.2
Rrp0534	258616.3	251423.9	289279.3	523431.6	554075.7	556312.6	266439.8
Rrp0675	109792	110725.7	117829	389093.5	403493.9	373256	112782.2
Rrp0046	1947215	1495232	1732614	1975761	2021872	2202100	1725021
Rrp0369	222847.1	195404.6	236113.5	514445.4	476469.9	449129.6	218121.7
Rrp0040	669013	705026.5	605274.3	432166.5	397046.8	384326.5	659771.3
Rrp0208	466408.8	360020.8	358128.3	151021.8	146292.1	127497	394852.6
Rrp0042	722026.3	635144.8	627176.5	452091.2	387682.2	385708.9	661449.2
Rrp0407	561415.4	477243.9	464443.8	760846.6	789287.9	700968.8	501034.4
Rrp0630	260210.2	338047.4	318517.4	516500.7	568939.3	529612.7	305591.7
Rrp0087	20176530	22993827	22426443	23104618	18530246	21417940	21865600
Rrp0616	177937.4	164843.2	168971.4	407530.4	363528.7	367336.2	170584
Rrp0270	637762.1	669676	643594.7	942557.3	817199.9	837610.8	650344.3
Rrp0388	258078.8	295280.3	244456.1	453282.1	478220.1	462519.4	265938.4
Rrp0659	333641.3	345100.3	368403.5	569521.9	513961.1	561292.1	349048.4
Rrp0383	8.61E+08	8.88E+08	8.82E+08	8.82E+08	8.59E+08	8.97E+08	8.77E+08
Rrp0049	383047	431466.5	406326.6	630294.1	684451.2	530800.4	406946.7
Rrp0212	602522.3	779703.9	810439.3	1001214	1025163	861506.5	730888.5
Rrp0330	295282.7	293128	301983.2	98308.66	118376.6	126492.4	296798
Rrp0611	807036.2	819108.5	878218.1	662686	650180.3	630837.6	834787.6
Rrp0747	556200.5	647988.2	550839.6	762142.7	718520	919135.6	585009.4
Rrp0052	521876.4	549476.4	576410.3	816287.8	745742.5	659407.2	549254.4
Rrp0632	32167.89	332240.3	336757.3	452017.6	484834.8	446693.2	233721.8
Rrp0409	333581.9	237102.2	308638.7	518025.9	488660.9	423038.4	293107.6
Rrp0205	1058698	886024.9	894119.8	1165819	1150380	1104853	946281
Rrp0426	933801.6	914431.6	934977.6	990448.8	1138490	1299374	927737
Rrp0135	80427.04	88637.61	131366.2	260263.4	379129.9	214588.5	100143.6
Rrp0280	213433.5	199275.3	225461.8	57365.13	44249.59	51742.9	212723.5
Rrp0614	493187.8	542334.3	522062.6	680049.8	692986.5	669353.5	519194.9
Rrp0482	839161.2	665337.4	751905.9	554261	654844.9	449170.9	752134.8
Rrp0219	311975.7	284752.2	373390.6	452715.9	779017.5	411177	323372.9
Rrp0374	60202.28	95825.04	45914.26	89043.22	114340	930136.2	67313.86
Rrp0454	1214820	1208139	1144099	1396425	1835827	1151132	1189019
Rrp0271	687777.1	690581.5	688853	485840.7	486678.1	598106.3	689070.5
Rrp0121	1775519	1666455	1825973	1748553	1496457	1344874	1755982
Rrp0723	38652.64	34045.07	35791.76	211831.2	189192.4	161611.7	36163.16
Rrp0225	300646.7	424526.3	311966.3	166096.6	182133.8	196514.5	345713.1
Rrp0724	30806.4	30303.68	37947.01	178876.8	168971.6	171555.4	33019.03
Rrp0082	280394.3	352009.7	340472.9	185583.3	163460	188375.8	324292.3
Rrp0035	587269.6	616011	619660.4	488080	452253.1	460692.3	607647
Rrp0201	302107.1	308007	293635	167560.7	129060.6	185535.5	301249.7
Rrp0193	208404.4	267374.3	163494.7	355077.7	368243.5	348927.5	213091.1
Rrp0263	166701.1	201769.7	179848.4	43943.91	56351	47299.23	182773.1

Rrp0742	560360.1	455657.6	540302.4	303642.5	371314.9	418853	518773.4
Rrp0367	104332	175125	129191	312111.2	289281.8	233620.2	136216
Rrp0410	1971554	1899383	1803021	1554182	1985131	1436695	1891319
Rrp0449	163457.4	187393.4	191729.7	325567.2	299001.3	310798.5	180860.2
Rrp0566	792836.6	640261.6	773240.4	863209.3	895844.5	887486.7	735446.2
Rrp0464	13400311	13005506	10789681	10355088	15017356	13729962	12398499
Rrp0704	29809.61	22483.07	33526.31	166695.3	136392.2	150384.7	28606.33
Rrp0379	48135.3	85910.72	108380	184763.3	167713	320886.6	80808.67
Rrp0104	164016.3	25192.72	9383.649	189426.8	219729	204134.6	66197.54
Rrp0181	881398.7	1000094	1116864	887778.9	871907.5	774271	999452.3
Rrp0088	1373079	2001249	1773791	1489271	1381682	1620010	1716040
Rrp0113	419020.7	448646	399636.9	336256.5	301570.4	294671	422434.5
Rrp0550	56105.22	47705.39	46623.71	152513.6	156811	149047	50144.77
Rrp0633	237317	249117.3	260230.2	363557.4	371085.9	324390.6	248888.2
Rrp0136	130112.8	124046.9	131267.7	242464.8	234030.4	210657.4	128475.8
Rrp0615	331790.4	375541.4	366621.9	440591.6	469015.1	472740.2	357984.6
Rrp0167	307815.2	247968.8	370713.6	441206.9	408516.5	420766.6	308832.6
Rrp0430	37237.6	29402.88	28933.39	176627.4	82323.04	157902.3	31857.95
Rrp0334	286099.8	220140.2	312485.1	194381.8	166635.6	129740.2	272908.4
Rrp0376	2396251	301843.8	95087.03	672145.4	739741.7	225593.9	931060.5
Rrp0012	866633.6	852709.7	904965.9	1049958	962360	943080.4	874769.7
Rrp0314	256778.8	215860.1	20709.14	27753.7	29548.49	32885.27	164449.3
Rrp0606	22521713	25137108	26726567	27646610	26938729	21741303	24795129
Rrp0502	83740.35	97848.21	209038.1	13299.98	19658.35	26239.8	130208.9
Rrp0371	83965.16	5320.665	64704.78	159177.8	128742.2	168858.4	51330.2
Rrp0758	35697.27	24864.27	28778.33	188426.9	99376.24	104133.3	29779.95
Rrp0279	81566.54	76051.91	75755.59	286684.9	204533.1	96253.14	77791.35
Rrp0019	349748.7	280642.6	344138.5	427871.1	414463.4	410208.2	324843.2
Rrp0709	217661.5	206463.7	197784.6	312099.6	274082.5	295257.8	207303.3
Rrp0128	245359.8	242091.2	222475.6	133334.5	185343.9	115854.2	236642.2
Rrp0562	34959.99	5940.244	41167.25	44956.11	46333.54	481045.2	27355.83
Rrp0274	1431358	1397527	703675.8	1372885	104243.7	1219969	1177520
Rrp0733	29245.65	22368.69	24355.59	95603.82	100798.1	121053.3	25323.31
Rrp0543	92748.68	83032.27	102981.3	602281.3	119080.4	74371.84	92920.74
Rrp0117	629734.7	531366.4	67832.09	331551.5	41363.51	305677.1	409644.4
Rrp0621	161435.1	126846.5	160960.2	72792.16	66342.44	69224.02	149747.3
Rrp0748	202682.2	206418.5	163209.8	291235.7	265711.4	262033.2	190770.2
Rrp0433	204619.3	216782.6	231853.4	15366.09	177031.2	149145.8	217751.8
Rrp0001	33498.67	2986.71	20531.15	94876.79	103690.8	81576.99	19005.51
Rrp0329	158527.4	105186.4	139491.7	58627.42	60218.12	55155.31	134401.8
Rrp0358	2226040	1986930	3317335	2823754	2114732	1773995	2510102
Rrp0084	115047.3	113088.4	121810.2	41455.44	54375.02	48298.06	116648.6
Rrp0604	85062.63	83289.26	81299.53	14488.63	16755.18	14204.38	83217.14
Rrp0146	82004.11	98991.9	112401	26796.15	32453.21	24058.29	97798.99
Rrp0108	660577.4	649420.8	615608	581212.2	561158.7	563681.2	641868.7
Rrp0575	51550.05	59931.95	72522.14	134563.6	143230	116598.2	61334.71
Rrp0662	5205012	4285568	5234329	4710654	5126297	4154688	4908303
Rrp0762	100697.2	118971	98688.08	193874.2	179570.3	157715.4	106118.7
Rrp0301	77959.59	71878.17	87095.76	13408.35	10125.47	11441.19	78977.84
Rrp0120	406354.9	58860.27	58150.45	159169.8	623777.2	229968.1	174455.2
Rrp0196	333844.3	277075.8	304328.4	400563.7	396196.3	344423.7	305082.9
Rrp0570	103999.1	141511.3	121741	56192.07	55657.08	58895.42	122417.1
Rrp0693	51635.85	63036.12	70953.89	129239	136027.4	111232.8	61875.29

Rrp0557	32689.83	20552.07	32671.73	82618.01	106742.6	85070.01	28637.88
Rrp0390	1790116	1687904	1714980	1817176	1802105	1800787	1731000
Rrp0180	241478.8	205191.1	218908.2	272678.2	283972.1	297882.9	221859.4
Rrp0603	74541.02	78710.17	71873.98	138081.7	137230.5	126132.3	75041.73
Rrp0276	184761.2	176586.8	174656.7	148641.6	100743.3	95087.47	178668.2
Rrp0759	48880.83	40598.77	31486.18	91459.87	92447.38	109463.8	40321.93
Rrp0118	18013.97	19943.83	19776.1	141306.8	16589.21	136637.1	19244.63
Rrp0211	404254.2	274908.7	218578.8	370959.7	469935.6	340863.9	299247.2
Rrp0728	154887.4	185539.6	194130.6	116734.8	112489.6	127235.4	178185.9
Rrp0601	24353.63	25616.1	24905.69	77444.85	87189.13	70826.28	24958.47
Rrp0145	103896.7	134759.1	116067.2	187765.6	186942.9	153037.9	118241
Rrp0441	14370349	13960946	11902008	13653075	13680240	11968362	13411101
Rrp0017	172259.6	180897.9	178189.4	219557.5	28568.36	18601.53	177115.6
Rrp0178	83986.39	79370.96	98716.5	144673.1	127472.3	144041.3	87357.95
Rrp0470	185672	114940.7	250751.9	202580.5	253296.7	342443.2	183788.2
Rrp0172	174336.9	179965.4	160316.9	199098.5	331012.7	205229.9	171539.7
Rrp0336	115619.9	163859.9	126845.2	193016.8	226369	164513.1	135441.7
Rrp0749	85473.04	95142.94	115090.7	50580.71	51368.71	49872.56	98568.9
Rrp0048	53134.49	67276.25	74642.34	13882.67	18747.03	23646.42	65017.69
Rrp0036	1621699	1757487	1751007	1861023	1750204	1754549	1710064
Rrp0537	156415.7	178056	169114.2	237746.4	204283.2	207715.3	167862
Rrp0558	131752.5	142092.2	137383.6	191875.3	167634.4	186058.2	137076.1
Rrp0434	26604.43	39419.04	23808.83	81380.97	69885.91	70187.69	29944.1
Rrp0689	72516.2	69366.11	76167.28	36149.26	34380.18	15816.45	72683.2
Rrp0774	63277.08	67338.62	66940.06	21787.13	25209.94	25008.92	65851.92
Rrp0338	98929.74	104460.8	101630.7	57046.38	65174.97	59477.29	101673.7
Rrp0391	386669.9	373473.4	355168.8	302793.7	350313.7	319904	371770.7
Rrp0476	273172.8	229107.6	259073.9	283695.7	338038.5	289626.6	253784.8
Rrp0252	10871.56	10680.18	11298.29	48195.71	47057.25	49283.11	10950.01
Rrp0221	737451	756374.6	565187.2	641023.3	624703.6	570447.3	686337.6
Rrp0265	367775.6	346242.1	457566.7	405268.8	550775.6	424333.5	390528.1
Rrp0458	37487.73	44952.97	39330.54	77400.81	71489.61	84421.42	40590.41
Rrp0411	55554.7	54835.32	52764.64	18329.5	17956.03	19033.64	54384.89
Rrp0403	73688.84	63075.36	63766.04	32641.01	32390.39	32432.6	66843.41
Rrp0292	15488.48	19025.92	4702.081	84352.03	88252.29	11649.61	13072.16
Rrp0760	79233.97	76473.09	79420.74	41930.93	414253.6	57514.73	78375.94
Rrp0427	125249.3	78239.15	94437.05	146253.9	120890.3	157487.1	99308.51
Rrp0213	210919.1	335636.7	479518.5	243359.3	314285.5	240028.2	342024.8
Rrp0389	26795.99	27740.59	25606.78	61681.99	54654.1	62159.23	26714.45
Rrp0315	118594.9	109879	96879.23	79302.94	79620.16	59614.22	108451
Rrp0268	66437.07	27110.63	93499.25	12015.93	28212.17	19077.09	62348.98
Rrp0707	147857.6	105270.7	111420.6	162466.2	155509.3	158896.3	121516.3
Rrp0004	154498.3	159162	130383.5	123766.8	103860.1	110750	148014.6
Rrp0395	11436.79	13958.93	6657.285	43047.22	54896.26	32031.74	10684.34
Rrp0257	404102.8	585555.1	362824.6	551515.1	521102.9	482379.3	450827.5
Rrp0360	25196.43	49579.78	65831.13	12452.83	11086.35	14072.98	46869.11
Rrp0281	626072.3	575440.7	821518.8	784194.7	795359.3	660914.9	674343.9
Rrp0069	630779.6	57571.42	79058.65	182501.9	86272.02	893615.2	255803.2
Rrp0251	671398.4	882178.8	625263.9	789259.3	762235.6	338322.9	726280.4
Rrp0023	168479.4	241906.8	257390.4	271629	250355.9	279940.3	222592.2
Rrp0499	216063.7	266707	256385.3	234916.4	209745.6	172048.7	246385.3
Rrp0573	89091.53	105334.1	85341.11	118120.5	120093.8	129533	93255.57
Rrp0238	123227.3	28434.9	86360.56	145965.9	201922	54890.27	79340.94

Rrp0064	257529.3	238370.4	226862	256149.3	288935.9	277230.7	240920.5
Rrp0586	596509.3	515771.2	688664.8	540899.2	553887.2	546660.3	600315.1
Rrp0767	19568.11	18015	19662.74	45222.59	45846.28	40224.33	19081.95
Rrp0645	54215482	41520783	54281352	48730840	51099217	48726424	50005872
Rrp0206	88501.54	107363	103670	133605.9	130629.7	117089.1	99844.85
Rrp0682	1382295	1510643	1390312	1643569	1500817	1347034	1427750
Rrp0179	57837.31	24689.42	60329.11	8027.93	33446.32	5854.554	47618.61
Rrp0067	127323.1	116171.9	136563.9	97793.39	64345.21	118540.9	126686.3
Rrp0006	670203.2	740609.4	637538	728739.2	697332.9	751719.3	682783.5
Rrp0576	47768.05	49223.69	44187.67	26091.89	21156.64	24994.93	47059.8
Rrp0287	25105.41	29182.36	32303.99	54087.06	58895.98	45779.85	28863.92
Rrp0613	328214.8	325141.8	335190.4	364661.6	393477.9	330305	329515.7
Rrp0500	166194.4	149158	149357.1	95785.87	145447.1	131203.4	154903.1
Rrp0496	16095.04	16025.34	16553.5	38356.83	35370.99	39492	16224.63
Rrp0055	1.03E+08	1.05E+08	1.08E+08	1.08E+08	1.09E+08	99560645	1.05E+08
Rrp0089	15093.39	12152.79	13913.75	38696.61	30986.22	36356.04	13719.98
Rrp0769	70608.89	62697.19	79876.79	86506.92	94363.41	105356.2	71060.96
Rrp0520	70391.7	77869.61	82473.12	105587.3	89712.9	104511.1	76911.48
Rrp0718	81968.05	93333.89	88647.77	100662.7	148493.5	103315.7	87983.24
Rrp0726	51676.46	53634.43	49262.13	68747.68	67986.29	84997.35	51524.34
Rrp0442	35601.83	38681.1	35798.28	58947.84	57715.71	52195.69	36693.74
Rrp0093	1688881	1703486	1879764	1923508	1826730	1695139	1757377
Rrp0083	78137.9	78850.53	78933.7	56005.21	69472.17	51070.75	78640.71
Rrp0516	9964474	8458558	8684769	8352244	9421543	8906053	9035934
Rrp0652	2.07E+08	1.98E+08	2.12E+08	2.01E+08	2.35E+08	1.84E+08	2.06E+08
Rrp0571	38108.75	44794.06	43134.07	62360.81	64028.28	53631.89	42012.29
Rrp0342	26677.94	6071.834	9303.849	24291.13	37284.28	41263.12	14017.87
Rrp0284	129109.4	102285.2	118900.7	88942.22	108620.6	86884.24	116765.1
Rrp0073	204556.1	67369.54	77884.64	188639.7	156199.5	124925.6	116603.4
Rrp0269	63143.74	71797.9	74507.26	87380.36	92206.69	82584.76	69816.3
Rrp0037	70524.36	136775.2	126915.8	149644.7	156681.8	116745.1	111405.1
Rrp0457	37307.4	35745.37	40629.61	24446.01	21049.83	21125.48	37894.13
Rrp0385	6228.04	6722.196	4717.354	21247.99	21594.87	19042.52	5889.196
Rrp0398	34562.6	3052.378	34031.59	41609.98	46430.51	45526.41	23882.19
Rrp0043	22731.82	227008.7	28548.65	237407.3	22255.63	178774.8	92763.05
Rrp0766	124491.1	14960.28	100935.1	210291.6	139132.3	22111.9	80128.83
Rrp0053	624870.7	633451.9	688653.1	814802.9	799926.4	499205.2	648991.9
Rrp0727	68214.07	66779.51	78493.4	81114.6	99153	84872.58	71162.33
Rrp0775	48979.69	51517.17	471244	18864.12	192998.1	166455.2	190580.3
Rrp0194	10808.99	294439.1	294863.8	243143.6	349828.9	173522.4	200037.3
Rrp0157	103979.9	94108.27	132632.4	72308.81	82839.3	108070.8	110240.2
Rrp0007	14669.24	19031.02	14751.71	24433.43	28944.03	39945.43	16150.66
Rrp0608	141910.9	249632.8	104594.9	127031.9	171383.3	90114.58	165379.5
Rrp0387	143374.7	110807	97798.66	137802.1	237948.2	82461.07	117326.8
Rrp0631	73644.33	77351.47	92981.59	82564.38	116620.8	102276.4	81325.8
Rrp0350	150175.2	68352.04	140696.9	300805	79973.12	107665.9	119741.4
Rrp0362	13110.75	13374.5	15554.3	30563.42	29008.03	21890.98	14013.18
Rrp0214	372738.5	315655.6	140054.7	418742.2	178693.4	65631.19	276149.6
Rrp0138	27837.66	25965.67	20978.86	10121.2	12558.02	15054.38	24927.39
Rrp0450	41199.2	43252.17	43104.42	22089.1	29066.52	36389.66	42518.6
Rrp0296	47321.24	81273.42	82381.57	38491.74	67177.8	47200.56	70325.41
Rrp0289	203407.4	448058.7	646957.7	567050	505299.2	394214.4	432807.9
Rrp0622	19130.45	13627.89	17853.02	33723.13	26074	26877.64	16870.45

Rrp0424	33728.28	18902.5	23863.03	62477.28	21265.52	46191.25	25497.94
Rrp0393	34950.28	32969	36369.97	44072.33	43444.42	49309.15	34763.08
Rrp0506	27788.24	9975.827	19277.67	38700.72	61531	12826.21	19013.91
Rrp0248	239239.1	248577.5	259729.4	234758.5	258282.1	190343.2	249182
Rrp0425	14552.49	11749.82	17557.93	23602.47	25473.06	24068.82	14620.08
Rrp0462	18181.29	19103.97	19836.23	31131.37	28908.78	26010.53	19040.5
Rrp0524	35394.84	18635.5	60307.31	19964	29132.7	15191.98	38112.55
Rrp0080	19498.25	16132.14	110055.6	23106.52	20550.04	28380.47	48562.01
Rrp0365	61381.64	55492.95	76596.02	53929.43	51198.3	50221.47	64490.2
Rrp0463	768342.5	665010.1	655065.6	611480.8	717631.1	672335.8	696139.4
Rrp0763	58548.38	44395.02	65384.09	47914.82	42385.41	41389.73	56109.16
Rrp0666	142711.8	178812.3	157409.7	38774.74	21910.82	301656.8	159644.6
Rrp0335	16325.33	13826.53	14725.93	25349.31	21866.42	22405.79	14959.26
Rrp0486	25329.83	25665.24	39215.63	23299.98	22107.87	12651.47	30070.23
Rrp0005	105713.8	95009.23	121897.8	91610.37	96058.19	99165.6	107540.3
Rrp0700	52303.54	25585.31	39500.77	16898.11	43863.66	118221.1	39129.87
Rrp0405	474532	374327.6	376660.3	371409.6	375309.2	412968.5	408506.6
Rrp0375	31135.28	53207.72	88921.57	36638.66	31990.03	57371.53	57754.86
Rrp0540	68084.9	70806.3	31787.69	75243.35	18949.99	26128.96	56892.96
Rrp0503	230176.8	240287.6	207843.7	259191.2	296765.6	184231.8	226102.7
Rrp0605	19622.51	20260.68	20695.29	14346.19	13937.93	14878.54	20192.82
Rrp0076	219103.6	176062.4	185045.7	235128.2	209557.5	178873.7	193403.9
Rrp0057	35526.85	35754.71	22931.28	120970.9	13805.35	14380.67	31404.28
Rrp0140	795492	1217944	727211.3	810818.9	940413.3	879968.7	913549.2
Rrp0192	5497923	5978960	6359461	5770949	5943578	6271709	5945448
Rrp0341	5433.837	57151.61	32234.28	41781.32	7910.364	9206.573	31606.58
Rrp0494	22851.28	29519.05	17235.43	29909.51	32259.24	25736.96	23201.92
Rrp0286	40982.23	42364.25	38088.46	44782.55	41649.07	50296.97	40478.31
Rrp0101	106313	89472.66	93500.94	99142.45	93449.69	121618.4	96428.88
Rrp0039	59683.44	40778.87	70036.07	67963.63	69238.82	57238.53	56832.8
Rrp0250	539183.1	514100.4	529954.1	576684.7	518279.8	522378.3	527745.9
Rrp0215	43497.46	1767.518	43488.44	39520	55508.63	24210.16	29584.47
Rrp0325	20794.03	21610.84	18851.21	9480.889	78102.16	9165.411	20418.69
Rrp0156	8463.656	7036.633	6349	14246.15	4312	20099.18	7283.096
Rrp0401	11212.82	10292.55	10121.87	13493.08	14256.45	12911.66	10542.41
Rrp0291	6855.448	30075.87	18181.65	7198.502	23865.42	50589.92	18370.99
Rrp0224	7792.146	3316.842	9841.941	21931.59	5389.327	10059.05	6983.643
Rrp0351	182916.6	205250.8	307132.8	53021.13	280749.8	298759.7	231766.7
Rrp0009	10468.06	27893.7	102981.3	28428.55	29219.01	48511.31	47114.36
Rrp0487	22678.67	15349.47	22278.58	15387.12	17935.16	15776.79	20102.24
Rrp0553	18131.39	17647.11	1538.641	16884.6	1296.728	1412.582	12439.04
Rrp0416	8276.087	5385.158	22669.47	44353.95	10433.38	3535.177	12110.24
Rrp0054	13884.24	17894.14	13004.99	18123.36	17489.77	17433.02	14927.79
Rrp0587	22226.11	10573.29	23851.6	11686.01	14775	17471.33	18883.67
Rrp0086	226087.4	254630.5	211236.6	233218.3	215915.6	221752.6	230651.5
Rrp0397	14571.8	12199.14	6657.648	10198.48	9682.828	2835.572	11142.86
Rrp0022	58036.46	49338.31	43891.97	47508.2	47875.8	44527.27	50422.25
Rrp0677	49464.2	49942.99	44649.93	64530.68	51945.97	41452.24	48019.04
Rrp0394	14608.93	17739.83	14199.41	14232.77	11764.9	34660.74	15516.06
Rrp0473	21861.89	23331.75	21736.74	27885.4	20534.23	26069.9	22310.13
Rrp0081	13057.71	11408.61	10775.82	15261.64	11776.95	13835.35	11747.38
Rrp0013	136470.8	125084.8	122176.5	129382.1	137625.3	127190.5	127910.7
Rrp0364	318289.9	294683.4	251074.7	267372.3	284839.5	291308.6	288016

Rrp0295	5371.887	24973.59	10015.57	4208.698	9256.781	15438.85	13453.68
Rrp0144	21987.82	29712.21	20859.84	29331.83	23440.56	28055.82	24186.62
Rrp0372	13229.26	12185.14	10287.27	9899.425	10514.21	10699.87	11900.56
Rrp0452	761493.3	848869.9	893665.2	902106.1	847748.2	784248.8	834676.1
Rrp0776	11456.84	13087.66	11531.35	12039.86	12732.98	16464.02	12025.28
Rrp0501	22577.61	43310.33	27602.54	7162.946	14806.12	56111.06	31163.49
Rrp0382	16277.81	16778.59	16752.75	15221.35	14770.76	16738.79	16603.05
Rrp0552	33235.81	39462.65	35836.7	38722.9	32263.59	44433.68	36178.39
Rrp0343	8881.972	8044.424	3836.275	6968.145	8852.633	9587.13	6920.89
Rrp0024	86682.63	77226.77	84219.88	90743.71	81563.31	82568.75	82709.76
Rrp0056	28712.54	30808.52	27069.91	25772.84	29212.44	38227.05	28863.66
Rrp0209	91468.05	62618.66	48502.42	90804.39	63788.11	60736.98	67529.71
Rrp0435	4643.013	13002.2	4287.469	9159.038	4989.572	2011.672	7310.894
Rrp0183	377766.7	491016.7	403097.5	498244.2	411042.9	384691.3	423960.3
Rrp0285	31192.14	4676.831	4255.215	15226.4	14923.61	1611.76	13374.73
Rrp0311	38319.75	779886.1	109026.9	682934	155728	50746.41	309077.6
Rrp0739	21087.4	12174.67	10147.83	17432.51	5297.5	26665.81	14469.97
Rrp0746	160553.8	155130.2	172890.4	186457.1	183399.6	128732	162858.1
Rrp0353	3445.911	3506.439	1162.903	5000.334	2575.916	2579.473	2705.084
Rrp0133	819136.8	828717.1	797910.6	868534.1	769509.1	799156.2	815254.8
Rrp0729	12883.58	19105.49	18948.73	11026.88	18630.91	18569.92	16979.27
Rrp0539	25727.07	12543.82	60275.9	35871.18	14964.41	41390.98	32848.93
Rrp0187	152820.7	154568.1	128667	189857.7	113390.1	125860.2	145352
Rrp0218	142276	148744.2	155316.8	137073	111624.8	203647.6	148779
Rrp0468	37820.77	45473.48	24661.34	33183.57	36069.79	36154.42	35985.2
Rrp0560	3816.55	9244.3	4890.32	9361.167	5687.5	4308.171	5983.723
Rrp0661	3278394	4231424	3318794	4239751	3407142	3198447	3609537
Rrp0756	86291.52	75102.72	99447	203371.6	29222.97	30035.25	86947.08
Rrp0260	11621.31	17530.1	11035.57	15176.93	2321.898	22686.44	13395.66

case	meanlog2FoldCh	Pvalue	padj	vip
1.52E+09	0.665832	5.72E-05	0.000525	6.266491
8.31E+08	1.491042	2.52E-06	0.000101	6.127901
8.16E+08	1.439989	4.21E-08	7.78E-06	6.015369
7.91E+08	1.465253	3.02E-06	0.000102	5.948152
7.8E+08	1.478304	7.84E-08	9.90E-06	5.927477
1.14E+09	0.879078	0.04886	0.077592	5.464344
8.13E+08	0.727706	9.93E-05	0.000706	4.739076
7.99E+08	0.713262	0.00025	0.001239	4.650949
3.98E+08	1.30877	0.000123	0.000792	4.065553
5.99E+08	-0.41801	2.35E-05	0.000304	3.753126
4.91E+08	0.659004	0.000346	0.001531	3.528653
8.34E+08	0.328348	0.002409	0.006539	3.381959
4.45E+08	-0.49063	0.020362	0.036207	3.340485
2.05E+08	2.125599	4.55E-05	0.000433	3.321493
4.61E+08	-0.44291	0.004531	0.010269	3.317803
1.39E+08	2.653728	0.000315	0.001422	2.844491
88908547	-1.19978	1.37E-05	0.000244	2.84192
8.98E+08	-0.16403	0.000423	0.001735	2.731974
1.03E+08	4.291817	0.000104	0.000718	2.615518
19879773	-2.48904	1.88E-05	0.000271	2.535014
8.8E+08	-0.1462	0.00485	0.010885	2.4914
1.14E+09	-0.08392	0.000353	0.001548	2.176238
1.12E+08	1.238639	7.32E-05	0.000551	2.120775
1.77E+08	0.590339	0.00037	0.00157	2.024775
1.17E+08	0.968492	0.000944	0.003114	1.976237
1.88E+08	0.511457	0.00125	0.003872	1.957193
89183788	1.206455	0.000615	0.002215	1.864957
1.37E+08	0.56896	0.001007	0.003261	1.750949
6.12E+08	-0.09682	0.001837	0.005212	1.695136
41997106	4.62158	0.000226	0.001157	1.672264
88200863	0.899915	0.0031	0.007906	1.65702
52571135	1.892134	2.59E-06	0.000101	1.641773
1.82E+08	0.39006	0.017059	0.0311	1.641306
79110266	0.907644	0.00011	0.000753	1.603336
78316712	0.938721	0.001547	0.004595	1.595733
41980559	2.546185	2.25E-06	0.000101	1.562429
1.6E+08	0.383091	0.009681	0.019173	1.552942
37925464	2.273412	3.18E-06	0.000102	1.452783
14193902	-1.64101	5.45E-06	0.000131	1.45268
41217280	1.614485	0.000157	0.000902	1.389413
10698776	-1.8221	4.14E-05	0.000418	1.376474
23775911	-1.09003	0.00012	0.000785	1.366674
27316527	-0.98413	0.000592	0.002166	1.356486
1.53E+08	-0.23242	0.001034	0.003317	1.354681
62982753	0.751222	2.05E-05	0.000287	1.337691
25165135	6.334981	2.08E-09	1.05E-06	1.321481
25310096	5.452787	0.000126	0.000795	1.312163
49430164	0.989416	2.93E-05	0.000328	1.310548
15073182	-1.38652	4.37E-05	0.000431	1.303706
21390470	-1.04851	0.001388	0.004222	1.248864
29903401	1.904194	3.95E-06	0.000106	1.239843
28247511	1.497167	0.000301	0.001383	1.123934

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

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

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

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

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

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

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

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

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

row	S-L-1	S-L-2	S-L-3	Z-L-1	Z-L-2	Z-L-3	control_me:
Rrp0530	41612843	54359537	44901425	1.74E+09	1.7E+09	1.72E+09	46957935
Rrp0549	24038956	20265021	21896403	1.28E+09	1.3E+09	1.28E+09	22066793
Rrp0680	2.96E+08	2.98E+08	3.08E+08	1.32E+09	1.36E+09	1.32E+09	3.01E+08
Rrp0679	2.83E+08	2.93E+08	2.83E+08	1.28E+09	1.29E+09	1.3E+09	2.86E+08
Rrp0686	2.78E+08	2.77E+08	2.85E+08	1.25E+09	1.27E+09	1.29E+09	2.8E+08
Rrp0681	2.74E+08	3.01E+08	3.12E+08	1.27E+09	1.28E+09	1.27E+09	2.96E+08
Rrp0692	5178099	5456110	5216072	8.17E+08	9.1E+08	8.98E+08	5283427
Rrp0669	5.12E+08	4.49E+08	5.11E+08	1.33E+09	1.32E+09	1.34E+09	4.91E+08
Rrp0668	5.05E+08	4.56E+08	5E+08	1.3E+09	1.21E+09	1.25E+09	4.87E+08
Rrp0547	6.21E+08	6.33E+08	6.11E+08	1.29E+09	1.41E+09	1.4E+09	6.22E+08
Rrp0527	6.49E+08	6.49E+08	5.77E+08	1.05E+09	1.06E+09	1.09E+09	6.25E+08
Rrp0546	9.82E+08	9.7E+08	9.23E+08	1.39E+09	1.4E+09	1.36E+09	9.59E+08
Rrp0529	5.99E+08	6.19E+08	6.64E+08	1.01E+09	1.06E+09	1.06E+09	6.27E+08
Rrp0654	41806664	40793667	39971985	3.52E+08	3.77E+08	3.96E+08	40857439
Rrp0655	39198968	46620719	40690649	3.49E+08	3.84E+08	3.96E+08	42170112
Rrp0564	290804.5	340928.8	303459.9	2.95E+08	3E+08	3.29E+08	311731.1
Rrp0522	7.99E+08	7.86E+08	8.16E+08	5.31E+08	5.34E+08	5.46E+08	8E+08
Rrp0165	6.4E+08	6.66E+08	6.87E+08	8.52E+08	9.13E+08	9.42E+08	6.64E+08
Rrp0538	1.22E+09	1.2E+09	1.22E+09	9.86E+08	9.9E+08	1E+09	1.21E+09
Rrp0673	7078579	7040234	8381529	1.98E+08	2.03E+08	2.06E+08	7500114
Rrp0651	3.15E+08	3.08E+08	3.09E+08	1.25E+08	1.45E+08	1.46E+08	3.11E+08
Rrp0582	1.6E+08	1.55E+08	1.66E+08	2.96E+08	3.4E+08	3.4E+08	1.61E+08
Rrp0664	1.82E+08	1.8E+08	1.78E+08	3.17E+08	3.35E+08	3.18E+08	1.8E+08
Rrp0509	7491859	8113806	8361813	1.31E+08	1.45E+08	1.47E+08	7989159
Rrp0321	1.04E+08	1.14E+08	1.17E+08	10206311	10434984	9427750	1.12E+08
Rrp0188	6.65E+08	6.45E+08	6.54E+08	7.31E+08	7.4E+08	7.54E+08	6.55E+08
Rrp0386	2.46E+08	2.32E+08	2.41E+08	1.55E+08	1.53E+08	1.54E+08	2.39E+08
Rrp0440	1.65E+08	1.95E+08	1.62E+08	1.1E+08	1.21E+08	98180039	1.74E+08
Rrp0528	1.79E+08	2.34E+08	2.26E+08	2.69E+08	2.89E+08	2.8E+08	2.13E+08
Rrp0455	53490472	54307797	55704964	1.19E+08	1.1E+08	1.05E+08	54501078
Rrp0368	5507542	6923757	6007284	59393415	58343810	66174157	6146194
Rrp0684	1.3E+08	1.38E+08	1.28E+08	73224487	78453762	80504215	1.32E+08
Rrp0674	1.15E+08	1.23E+08	1.31E+08	69206139	70522504	68170387	1.23E+08
Rrp0701	1704480	1844735	1776263	45803106	56484617	57655797	1775160
Rrp0568	9006671	7683242	8638123	50507579	57883028	57722499	8442679
Rrp0438	1.28E+08	1.43E+08	1.45E+08	87077851	97590268	89675345	1.39E+08
Rrp0456	53851504	55439232	57093693	1.12E+08	1.02E+08	93679163	55461476
Rrp0228	2.07E+08	1.99E+08	2.06E+08	1.64E+08	1.59E+08	1.59E+08	2.04E+08
Rrp0569	12351109	12508125	12846257	47709708	55959161	61120600	12568497
Rrp0305	45037953	42792119	53975331	6102529	4978351	4264991	47268468
Rrp0515	36814840	37339648	41784121	74628584	83922342	80863097	38646203
Rrp0544	309929.6	33317.56	38980.62	40293979	40125716	39705192	127409.3
Rrp0645	54215482	41520783	54281352	82163930	86205230	87289531	50005872
Rrp0481	43166443	45895100	43744377	12450930	12852290	13336525	44268640
Rrp0511	54640427	59477813	64784963	22740946	31144485	28707462	59634401
Rrp0510	51726401	51023300	59356113	22904376	24273521	25832995	54035272
Rrp0480	41529611	38320607	38374669	11368809	11196594	11620877	39408296
Rrp0517	40479418	35852220	37159413	10840775	9682923	10261604	37830350
Rrp0512	50937842	47455441	53448112	22500946	22948493	24036850	50613798
Rrp0670	1.15E+08	1.16E+08	1.2E+08	73091991	81195738	1.04E+08	1.17E+08
Rrp0359	1.01E+09	9.89E+08	1.02E+09	9.6E+08	9.84E+08	9.77E+08	1.01E+09
Rrp0383	8.61E+08	8.88E+08	8.82E+08	8.64E+08	8.45E+08	8.32E+08	8.77E+08

Rrp0507	38671994	46566263	47493269	19342788	21900503	22465243	44243842
Rrp0665	19900059	17562981	18099442	39802409	39637464	43434909	18520828
Rrp0513	11835990	12357228	12742349	35684203	34085319	32244635	12311856
Rrp0685	10161668	9981111	9877114	29336330	29599802	37518227	10006631
Rrp0514	45786999	44022592	52397973	18051482	25486680	33278253	47402522
Rrp0565	7208757	7516453	6601661	50099161	46543187	5058598	7108957
Rrp0754	22380416	26512707	28587378	7811654	9104550	8134889	25826834
Rrp0644	29088046	31451498	30254550	42540459	50385484	49018197	30264698
Rrp0055	1.03E+08	1.05E+08	1.08E+08	80766992	90644980	91581591	1.05E+08
Rrp0583	48731.96	49695.41	49230	14395738	16561375	17125457	49219.12
Rrp0508	10365353	9657391	10663266	20976333	32464480	25584437	10228670
Rrp0384	8.28E+08	8.56E+08	8.51E+08	8.34E+08	8.23E+08	8.21E+08	8.45E+08
Rrp0643	26289598	23069420	25332183	10671860	11966285	12200893	24897067
Rrp0581	299277.6	325759.7	300940.3	11845331	13130920	14842824	308659.2
Rrp0753	15092139	16535089	16799723	5954278	5215015	5490674	16142317
Rrp0755	13148427	11573023	12042452	2711869	2885858	2330911	12254634
Rrp0361	9.88E+08	9.53E+08	9.8E+08	9.62E+08	9.61E+08	9.53E+08	9.74E+08
Rrp0011	91389673	87188585	87879559	93753455	1.03E+08	99644722	88819272
Rrp0678	13744893	14033503	14710906	5755486	5558342	5522543	14163100
Rrp0466	1381570	1831881	1952466	10260874	9814486	10698622	1721972
Rrp0467	1641038	1971394	1832832	9398400	10626181	10665102	1815088
Rrp0014	2.04E+08	1.95E+08	2.08E+08	2.02E+08	2.21E+08	2.22E+08	2.02E+08
Rrp0598	8276590	7856394	7400533	14767357	15549331	14584781	7844505
Rrp0600	6282403	7732976	7546734	13580625	14652148	14045010	7187371
Rrp0464	13400311	13005506	10789681	5876862	5917705	4285264	12398499
Rrp0652	2.07E+08	1.98E+08	2.12E+08	1.99E+08	2.31E+08	2.25E+08	2.06E+08
Rrp0197	12293855	11429367	12248438	18092319	18827937	18314178	11990553
Rrp0441	14370349	13960946	11902008	5666052	8315154	6299783	13411101
Rrp0661	3278394	4231424	3318794	9355389	10133321	9848891	3609537
Rrp0333	1.29E+08	1.29E+08	1.28E+08	1.28E+08	1.41E+08	1.41E+08	1.29E+08
Rrp0650	3250169	2917054	3287519	7196535	9360795	11220646	3151581
Rrp0102	34821409	37457523	33964265	29099352	30659236	30794185	35414399
Rrp0516	9964474	8458558	8684769	4103584	4446916	4177433	9035934
Rrp0098	27582560	28354323	26745284	21777404	24468732	22080352	27560722
Rrp0406	4691814	4750584	4964143	316700.7	345846.6	477697.7	4802180
Rrp0090	87991252	94756246	93933053	89118619	85555329	84772923	92226850
Rrp0690	565160.1	530316.8	638177.3	4588008	4883379	5028547	577884.7
Rrp0648	7604017	6555707	6225256	2553100	2980392	2544162	6794993
Rrp0567	3732160	4199687	4146935	293542.9	200823	267515.4	4026260
Rrp0349	276568.7	470518.6	2576008	8108462	10518720	1097522	1107698
Rrp0096	25387508	26356131	23967404	20435786	22206058	20855619	25237014
Rrp0278	1899104	2144092	2206533	4953059	5538333	5568997	2083243
Rrp0696	3381850	3356355	4005587	7089595	6794466	6605324	3581264
Rrp0422	5662018	4068101	4008354	1017769	1432583	1454984	4579491
Rrp0345	14222739	14982162	14537823	10119356	11738027	12071777	14580908
Rrp0429	5336535	4995879	5428329	7989820	8263942	8718281	5253581
Rrp0119	8577122	11806796	10858104	6897360	6796397	7305477	10414007
Rrp0181	881398.7	1000094	1116864	3109090	4551991	4669942	999452.3
Rrp0683	3214100	3664730	2979451	440069.5	331787.8	564283.8	3286093
Rrp0676	4416075	5024109	4440796	1942108	1879275	1719394	4626993
Rrp0720	1394348	1518002	1559810	3611466	4166345	4663469	1490720
Rrp0160	2671231	2096612	2384926	4247375	5697797	5363859	2384256
Rrp0606	22521713	25137108	26726567	18201926	22712002	22408127	24795129

Rrp0662	5205012	4285568	5234329	2025607	2127989	2696321	4908303
Rrp0087	20176530	22993827	22426443	16948397	20275776	18820785	21865600
Rrp0672	1631208	1685243	1801622	3727708	4137288	4479459	1706024
Rrp0490	2663338	2610372	3085812	4919080	5248395	5396645	2786507
Rrp0293	13350282	14215675	12816447	14757551	16683161	17106596	13460801
Rrp0381	1330320	1580605	1387986	3885803	4094127	3285803	1432971
Rrp0658	5963230	6078090	6287530	3627322	3749924	4134485	6109616
Rrp0474	4429560	4949906	4351993	2087938	2213300	2626783	4577153
Rrp0493	5590112	4406458	5047942	6564099	8199303	7466265	5014837
Rrp0223	55951301	63664779	60931322	58036297	56448743	55501698	60182468
Rrp0415	1711316	1708110	1733310	3435696	3885291	3756545	1717579
Rrp0143	13614308	14301712	14817839	15369516	17222507	16950297	14244620
Rrp0190	845010.9	570833.8	2402532	449566.7	6491614	6499650	1272792
Rrp0229	8275315	8697282	8522891	6406671	6609364	6622652	8498496
Rrp0251	671398.4	882178.8	625263.9	2127863	3144316	2900337	726280.4
Rrp0640	3216413	2905288	3076072	1197276	1427329	958442.2	3065924
Rrp0328	2609550	2492804	2435859	699264.6	711661.8	668475.4	2512738
Rrp0532	5549162	5346023	4893671	170120.1	4083051	4008434	5262952
Rrp0103	20850789	21379397	21064710	21594257	23706475	23823908	21098298
Rrp0031	3542002	3531219	3387831	4966174	5023623	5060460	3487017
Rrp0746	160553.8	155130.2	172890.4	1486358	1729704	1865713	162858.1
Rrp0130	3137305	3327522	3190779	1800084	1765101	1566600	3218535
Rrp0122	16435089	16414226	17254881	17036311	19260181	19782832	16701399
Rrp0348	1753775	1241578	1948687	223664.6	110287.2	22592.5	1648013
Rrp0354	2248010	1794075	2832869	568447.5	736163	951333	2291651
Rrp0306	5821774	5796410	5720156	4423204	4353369	4271302	5779447
Rrp0548	1824600	1668394	1743897	3013113	3146567	3380843	1745630
Rrp0540	68084.9	70806.3	31787.69	1790140	1184062	1438377	56892.96
Rrp0691	19881.12	17669.98	22414.58	1149635	1515500	1383057	19988.56
Rrp0688	5383654	4294093	4319391	5670558	6687301	6159503	4665713
Rrp0366	97862876	88254041	91600459	82674353	94445754	90170820	92572459
Rrp0047	648262.2	721772.1	599635	1668911	1972334	2018379	656556.4
Rrp0171	2005176	2062082	2005066	2957959	3325620	3328573	2024108
Rrp0324	2564322	2280396	2715346	4397074	3463877	3522422	2520021
Rrp0752	377017.8	281756.2	283006.4	2179355	3594190	179591.7	313926.8
Rrp0431	1034082	1023232	1089477	1862052	2263106	2342711	1048930
Rrp0309	2752173	2923659	3518962	1696980	1640637	2276081	3064932
Rrp0542	467508.9	524297.8	537204.1	1537598	1602291	1573680	509670.2
Rrp0489	19809918	19157454	20830446	15730200	19575773	19095496	19932606
Rrp0465	2559348	2369875	2480677	3075652	3845145	3887591	2469967
Rrp0164	675221	708717.7	703761.9	1634823	1691325	1751397	695900.2
Rrp0370	515848.9	469142.9	471418.9	1462822	1537334	1433564	485470.2
Rrp0492	563871.7	984907.1	1033445	6609391	1135067	987611.5	860741.1
Rrp0185	2361273	1925566	2203603	1159923	1123997	1210467	2163480
Rrp0311	38319.75	779886.1	109026.9	186602.1	2683674	2382793	309077.6
Rrp0641	644115.1	686797.4	666217.5	1516751	1577811	1661763	665710
Rrp0318	17014662	16560249	17783816	14614932	16774580	15989491	17119576
Rrp0115	1252551	1158433	1112643	291551.7	279151.1	328070.6	1174542
Rrp0038	445677.5	486457.6	488890.8	1182636	1379035	1466193	473675.3
Rrp0074	1874200	1803630	2041976	1051968	1099442	1025315	1906602
Rrp0265	367775.6	346242.1	457566.7	1298007	1162247	1230555	390528.1
Rrp0044	2807745	2597131	2017169	1348624	1409217	1791097	2474015
Rrp0417	2685559	2891963	2846704	2115965	2063662	1805706	2808075

Rrp0026	10028631	9788315	9897901	8543237	9340964	9162555	9904949
Rrp0107	2821693	3024216	2858724	1898208	2264218	2115264	2901544
Rrp0319	16762422	16790909	16710922	14540124	16888601	15312856	16754751
Rrp0148	32052377	34009422	33303354	34647030	31861169	38188571	33121718
Rrp0288	221796.6	2179984	2551777	465779.8	493862	492102.4	1651186
Rrp0742	560360.1	455657.6	540302.4	1371779	1260467	1144744	518773.4
Rrp0675	109792	110725.7	117829	838429.9	836346.2	807388.2	112782.2
Rrp0238	123227.3	28434.9	86360.56	57916.2	4530982	63900.8	79340.94
Rrp0390	1790116	1687904	1714980	1151818	1027417	1071517	1731000
Rrp0070	2411027	2567149	2420068	1789752	1829116	1831895	2466081
Rrp0617	190379.6	204009.4	190224.8	729356.4	872716.6	894942.8	194871.3
Rrp0453	1583106	1692707	1724421	2185941	2283934	2421752	1666745
Rrp0626	2550483	2609760	2551777	1765063	2055119	2001946	2570673
Rrp0682	1382295	1510643	1390312	746776.6	812425.4	934341.8	1427750
Rrp0032	2262452	2263738	2212769	2713171	2851233	2878850	2246320
Rrp0402	1805051	1825680	2461632	2522434	2551327	3208686	2030788
Rrp0523	116066.3	121507.2	131337.3	359303.1	32740.45	3511841	122970.3
Rrp0420	6700228	8667054	8244926	10279425	7439819	9285663	7870736
Rrp0358	2226040	1986930	3317335	1566448	1848107	1778614	2510102
Rrp0410	1971554	1899383	1803021	1223594	1212489	1515057	1891319
Rrp0327	742684.6	742429.8	657413	153195	143375.2	239896.9	714175.8
Rrp0303	1251545	1314030	1199378	686906	742672.2	761951.4	1254984
Rrp0477	3842678	3104809	3844720	2459852	2558411	3509005	3597403
Rrp0404	2005413	2259019	1928719	2504055	2769390	2578718	2064384
Rrp0205	1058698	886024.9	894119.8	1352600	1516371	1551632	946281
Rrp0585	528237	500615.1	572908.8	949606.4	1111937	1043478	533920.3
Rrp0317	16499052	16787951	17125744	15367345	16466512	16410811	16804249
Rrp0191	4956077	5439656	4999788	5748839	5427767	5975870	5131840
Rrp0120	406354.9	58860.27	58150.45	490440.3	804076.1	849720.4	174455.2
Rrp0065	2275012	2245244	2374818	2479797	3067419	3010810	2298358
Rrp0630	260210.2	338047.4	318517.4	320449.1	3052001	415107	305591.7
Rrp0463	768342.5	665010.1	655065.6	201488.1	280130.3	239096.7	696139.4
Rrp0028	2185889	2279710	2150500	2534821	2851699	2672093	2205367
Rrp0759	48880.83	40598.77	31486.18	440885.7	518676.9	485551.3	40321.93
Rrp0063	2266521	2335810	2380829	2496712	3117605	2940904	2327720
Rrp0482	839161.2	665337.4	751905.9	344364.6	333233.8	300713.6	752134.8
Rrp0659	333641.3	345100.3	368403.5	609682.3	888525	863128	349048.4
Rrp0657	137796.8	192405.4	121718.6	555404.6	594827.9	494417.8	150640.3
Rrp0367	104332	175125	129191	511353.6	517576.6	546269.4	136216
Rrp0100	915113.4	933933.4	978394.6	522332.8	552913.7	587677.4	942480.5
Rrp0572	644704.9	739937.7	798433.8	1082867	1132408	1128648	727692.2
Rrp0436	357576.6	424774	473953.6	722226.8	818261	859345.4	418768.1
Rrp0169	694960.8	752965	747528.9	419184.6	343667.9	317276.1	731818.2
Rrp0747	556200.5	647988.2	550839.6	225839.2	209635.8	221909.1	585009.4
Rrp0078	209353.4	530788.8	224865.6	913106.1	516893.9	856268.2	321669.3
Rrp0112	23370642	16965839	19865001	16807317	23903100	23938772	20067161
Rrp0363	614705	597562.3	685166.1	330632.2	267672.6	208864.4	632477.8
Rrp0060	2302983	2283422	2277415	2489158	2919105	2679760	2287940
Rrp0743	663226.7	773033.7	756590.6	429063.1	423554.5	256754.1	730950.3
Rrp0019	349748.7	280642.6	344138.5	606513.4	720175.5	667387	324843.2
Rrp0256	564270.6	500117.6	587790	216083.9	221176.8	237632.8	550726.1
Rrp0760	79233.97	76473.09	79420.74	374264.2	418542.2	402767	78375.94
Rrp0213	210919.1	335636.7	479518.5	657615.3	717652.2	693971.7	342024.8

Rrp0192	5497923	5978960	6359461	5553773	5329014	5558349	5945448
Rrp0577	824014.2	781351.6	880895.9	1217814	1107505	1130432	828753.9
Rrp0351	182916.6	205250.8	307132.8	1288374	635282.6	251861.9	231766.7
Rrp0159	2670019	2785643	2628026	2941724	3172151	2980435	2694563
Rrp0212	602522.3	779703.9	810439.3	1107124	996757.5	1030929	730888.5
Rrp0709	217661.5	206463.7	197784.6	447905.6	470604.3	570376.9	207303.3
Rrp0566	792836.6	640261.6	773240.4	491242	449785.2	403125.9	735446.2
Rrp0280	213433.5	199275.3	225461.8	413249.9	516776.2	490370.7	212723.5
Rrp0150	222708	162456.9	259698.9	470459.4	435055.6	527088	214954.6
Rrp0088	1373079	2001249	1773791	1797379	2428678	2128263	1716040
Rrp0724	30806.4	30303.68	37947.01	285686.7	255574.7	305131.6	33019.03
Rrp0371	83965.16	5320.665	64704.78	297139.9	318276.3	271252.9	51330.2
Rrp0097	739160.7	987930.2	867032.3	1070403	1114296	1182507	864707.8
Rrp0476	273172.8	229107.6	259073.9	383203	593567.5	519227.3	253784.8
Rrp0052	521876.4	549476.4	576410.3	801368.7	757271.9	753190.3	549254.4
Rrp0339	36868357	37277393	38108463	39465530	34228292	41558408	37418071
Rrp0281	626072.3	575440.7	821518.8	874117.3	952230.3	960443.3	674343.9
Rrp0667	91340.93	169711.4	101884.7	312746.3	417585.9	311289.2	120979
Rrp0274	1431358	1397527	703675.8	1468216	182725.1	485728.9	1177520
Rrp0035	587269.6	616011	619660.4	413278.5	397479.8	375321.8	607647
Rrp0558	131752.5	142092.2	137383.6	320309.6	353896.6	352672.6	137076.1
Rrp0647	932880.2	938894.1	983218	738224.7	737653.3	767870.8	951664.1
Rrp0607	804016.9	744396	857815.8	901895.5	1073536	1131836	802076.2
Rrp0225	300646.7	424526.3	311966.3	117541.9	165118.9	130525.4	345713.1
Rrp0452	761493.3	848869.9	893665.2	977102.8	1119623	1056902	834676.1
Rrp0062	1765202	1736362	1810315	1758081	2212413	2166351	1770626
Rrp0218	142276	148744.2	155316.8	285493.5	360029	392396.2	148779
Rrp0271	687777.1	690581.5	688853	493934.3	431566.5	552093.9	689070.5
Rrp0723	38652.64	34045.07	35791.76	230788.4	307485.3	168043.1	36163.16
Rrp0183	377766.7	491016.7	403097.5	678835.4	567469.6	627066.6	423960.3
Rrp0193	208404.4	267374.3	163494.7	22895.37	10935.34	54258.69	213091.1
Rrp0714	3686798	4511962	4403172	4277452	4546825	4810241	4200644
Rrp0638	1192792	1188179	1178932	1244058	1452076	1498761	1186635
Rrp0135	80427.04	88637.61	131366.2	276212.9	254974.7	289138.7	100143.6
Rrp0642	614347.7	534240.1	696978.7	411412.6	445372.9	423972.9	615188.8
Rrp0392	15829864	16801875	16840000	18080323	16591123	16220556	16490580
Rrp0519	908118.1	900891.3	884813.3	1053884	1175552	1008656	897940.9
Rrp0289	203407.4	448058.7	646957.7	187732.6	210783.7	197750.3	432807.9
Rrp0725	117214.7	158825.1	165719.5	324252.3	338754.5	273776.8	147253.1
Rrp0419	5986765	7315975	4323241	4397215	6788485	4579964	5875327
Rrp0036	1621699	1757487	1751007	1737485	2105169	1943146	1710064
Rrp0093	1688881	1703486	1879764	1374596	1549291	1706648	1757377
Rrp0042	722026.3	635144.8	627176.5	908061.5	846238.3	739023	661449.2
Rrp0433	204619.3	216782.6	231853.4	70171.93	87337.77	75793.78	217751.8
Rrp0201	302107.1	308007	293635	123544.8	167651.2	187394	301249.7
Rrp0172	174336.9	179965.4	160316.9	311346.8	329478.9	289044	171539.7
Rrp0610	6200403	6996451	7641342	7573640	7197007	7126245	6946065
Rrp0615	331790.4	375541.4	366621.9	479531.9	511188.6	482257.8	357984.6
Rrp0764	879455.2	892444.5	344775.2	756814.7	1019280	1077065	705558.3
Rrp0500	166194.4	149158	149357.1	276566.2	281960.8	284940.6	154903.1
Rrp0017	172259.6	180897.9	178189.4	59882.11	53006.09	43818.99	177115.6
Rrp0666	142711.8	178812.3	157409.7	29874.7	25348.3	44099.8	159644.6
Rrp0589	1563858	1664751	1674510	1353490	1539509	1526729	1634373

Rrp0430	37237.6	29402.88	28933.39	143217.5	134269.3	192956.8	31857.95
Rrp0008	17110453	15790625	17461761	17117981	17224934	17091811	16787613
Rrp0113	419020.7	448646	399636.9	235676.9	282791.9	355470.2	422434.5
Rrp0391	386669.9	373473.4	355168.8	252850.9	269832.1	247498	371770.7
Rrp0076	219103.6	176062.4	185045.7	283914.9	332935.7	317429.3	193403.9
Rrp0408	224166.4	155600.3	165405.8	169059.9	436713.8	433607.2	181724.1
Rrp0147	672739.2	653500.7	704187.7	475968	585287.7	583139.8	676809.2
Rrp0073	204556.1	67369.54	77884.64	71050.79	1038816	73007.54	116603.4
Rrp0470	185672	114940.7	250751.9	59892.09	54879.77	53108.87	183788.2
Rrp0504	1145163	792612.5	759444.2	813708	482168	785767.3	899073.3
Rrp0334	286099.8	220140.2	312485.1	153593.6	150011.6	157531.9	272908.4
Rrp0570	103999.1	141511.3	121741	14454.14	14348.89	15104.21	122417.1
Rrp0270	637762.1	669676	643594.7	559790	515773.9	545786.1	650344.3
Rrp0279	81566.54	76051.91	75755.59	265058.9	191450.5	134503.1	77791.35
Rrp0158	3401285	3321799	3215781	3114055	3241598	3168470	3312955
Rrp0454	1214820	1208139	1144099	1249733	1489891	1267839	1189019
Rrp0079	76024.32	80918.82	78304.9	166163.4	222467.6	162089.3	78416.02
Rrp0263	166701.1	201769.7	179848.4	74302.44	76138.84	99358.79	182773.1
Rrp0053	624870.7	633451.9	688653.1	524310.8	566576.8	540875.6	648991.9
Rrp0219	311975.7	284752.2	373390.6	140476.1	262966	215714.4	323372.9
Rrp0376	2396251	301843.8	95087.03	135463.8	644366.7	860655.1	931060.5
Rrp0117	629734.7	531366.4	67832.09	517016.1	673142.1	607573.8	409644.4
Rrp0748	202682.2	206418.5	163209.8	75754.6	56562.67	136709.5	190770.2
Rrp0775	48979.69	51517.17	471244	20940.43	8212.189	36331.7	190580.3
Rrp0503	230176.8	240287.6	207843.7	132637.5	150654.6	126187.8	226102.7
Rrp0364	318289.9	294683.4	251074.7	196584.2	180860.7	203466.9	288016
Rrp0769	70608.89	62697.19	79876.79	175530.1	136801.1	158742.6	71060.96
Rrp0118	18013.97	19943.83	19776.1	44932.15	46039.4	444249	19244.63
Rrp0588	1599746	1610258	1711843	1288260	1549005	1643737	1640616
Rrp0427	125249.3	78239.15	94437.05	182547.9	170762.4	204964.3	99308.51
Rrp0330	295282.7	293128	301983.2	211100.2	200453.4	235945.5	296798
Rrp0632	32167.89	332240.3	336757.3	382639.9	380909.2	351284.6	233721.8
Rrp0405	474532	374327.6	376660.3	443861.3	559017.8	533267.4	408506.6
Rrp0449	163457.4	187393.4	191729.7	256111.1	270541.6	251316.6	180860.2
Rrp0043	22731.82	227008.7	28548.65	242982.9	193577.1	190281.6	92763.05
Rrp0758	35697.27	24864.27	28778.33	90506.17	112599.3	115025.9	29779.95
Rrp0622	19130.45	13627.89	17853.02	80425.84	93314.87	99476.76	16870.45
Rrp0075	1750934	1533024	1931152	1724864	1480730	1562825	1738370
Rrp0084	115047.3	113088.4	121810.2	42052.5	47937.73	48203.85	116648.6
Rrp0707	147857.6	105270.7	111420.6	52225.22	47983.77	41960.23	121516.3
Rrp0612	756093.7	718957.7	671336.3	636531.8	627784.7	641608.3	715462.6
Rrp0121	1775519	1666455	1825973	1483321	1762712	1660271	1755982
Rrp0729	12883.58	19105.49	18948.73	81494.69	80638	83735.5	16979.27
Rrp0128	245359.8	242091.2	222475.6	188205.7	166716.4	146420.9	236642.2
Rrp0332	918507.8	963196.2	1122273	833363.1	886006.7	964825.2	1001326
Rrp0718	81968.05	93333.89	88647.77	18214.27	30202.64	23246.16	87983.24
Rrp0314	256778.8	215860.1	20709.14	126341.8	17130.48	11869.02	164449.3
Rrp0603	74541.02	78710.17	71873.98	13125.89	10581.17	11865.16	75041.73
Rrp0242	42801.88	62827.28	70517.4	120279.8	133890.7	112863.8	58715.52
Rrp0187	152820.7	154568.1	128667	216638.3	182769.9	242495	145352
Rrp0302	461018.6	373980.5	387136.2	544314.9	497984.3	428841.8	407378.4
Rrp0357	2664405	72531.69	221544	129181.3	1454441	402111.7	986160.3
Rrp0315	118594.9	109879	96879.23	55828.63	63829.79	32337.65	108451

Rrp0005	105713.8	95009.23	121897.8	153506.1	170553.1	165215.1	107540.3
Rrp0133	819136.8	828717.1	797910.6	734383	694871.2	804578.3	815254.8
Rrp0416	8276.087	5385.158	22669.47	15600.76	138669.1	95739.98	12110.24
Rrp0774	63277.08	67338.62	66940.06	14330.95	16982	17629.69	65851.92
Rrp0762	100697.2	118971	98688.08	59089.96	53035.04	53038.4	106118.7
Rrp0086	226087.4	254630.5	211236.6	267797.1	295753.3	297202.1	230651.5
Rrp0749	85473.04	95142.94	115090.7	40858.43	43986.82	54322.63	98568.9
Rrp0543	92748.68	83032.27	102981.3	54062.08	41467.51	30422.71	92920.74
Rrp0697	6821761	6962099	7296178	6189337	7046788	7285585	7026679
Rrp0067	127323.1	116171.9	136563.9	79867.38	77765.41	79497.4	126686.3
Rrp0550	56105.22	47705.39	46623.71	89109.18	108381	96223.28	50144.77
Rrp0252	10871.56	10680.18	11298.29	53576.68	63067.82	53804.17	10950.01
Rrp0756	86291.52	75102.72	99447	5182.036	51571.07	45033.75	86947.08
Rrp0552	33235.81	39462.65	35836.7	83917.72	71808.69	93278.79	36178.39
Rrp0631	73644.33	77351.47	92981.59	38184.39	30626.2	36812.61	81325.8
Rrp0616	177937.4	164843.2	168971.4	105970.4	138800.3	122054.8	170584
Rrp0586	596509.3	515771.2	688664.8	493036.2	548127.8	535797.5	600315.1
Rrp0269	63143.74	71797.9	74507.26	112800.3	114496	113910.1	69816.3
Rrp0136	130112.8	124046.9	131267.7	142017.8	194721.2	211470.9	128475.8
Rrp0499	216063.7	266707	256385.3	154508.9	229584.8	180646.6	246385.3
Rrp0604	85062.63	83289.26	81299.53	44953.12	42603.22	32149.81	83217.14
Rrp0167	307815.2	247968.8	370713.6	300622.5	433579.9	418502	308832.6
Rrp0338	98929.74	104460.8	101630.7	62960.62	55498.97	58464.77	101673.7
Rrp0001	33498.67	2986.71	20531.15	66557.47	71786.68	56699.1	19005.51
Rrp0049	383047	431466.5	406326.6	403772	505881.1	501001	406946.7
Rrp0561	94769.86	86460.79	83172.38	42017.1	52187.66	45385.76	88134.34
Rrp0012	866633.6	852709.7	904965.9	914290	905149.2	972313.1	874769.7
Rrp0180	241478.8	205191.1	218908.2	253179.6	294007.1	262205.5	221859.4
Rrp0411	55554.7	54835.32	52764.64	14824.38	15579	14947.58	54384.89
Rrp0496	16095.04	16025.34	16553.5	55632	57200.33	53164.56	16224.63
Rrp0614	493187.8	542334.3	522062.6	524423.2	618525.4	580830.1	519194.9
Rrp0601	24353.63	25616.1	24905.69	63637.47	56129.16	61396.48	24958.47
Rrp0611	807036.2	819108.5	878218.1	683543	864059.5	754071.1	834787.6
Rrp0520	70391.7	77869.61	82473.12	104438.1	118219.4	114407.3	76911.48
Rrp0377	146801.2	222264	18706.5	19956.24	166627.1	517283.1	129257.2
Rrp0534	258616.3	251423.9	289279.3	198759.4	221231.6	249918.1	266439.8
Rrp0023	168479.4	241906.8	257390.4	246505.1	318802.6	262750.7	222592.2
Rrp0004	154498.3	159162	130383.5	110868.4	118654.9	103933.7	148014.6
Rrp0608	141910.9	249632.8	104594.9	222151.1	202299.4	243224.6	165379.5
Rrp0458	37487.73	44952.97	39330.54	69725.71	77282.17	69728.25	40590.41
Rrp0082	280394.3	352009.7	340472.9	317703.1	241104.4	264611.5	324292.3
Rrp0329	158527.4	105186.4	139491.7	107255.3	98481.89	74852.32	134401.8
Rrp0379	48135.3	85910.72	108380	95848.87	119725.3	168380.2	80808.67
Rrp0633	237317	249117.3	260230.2	218622.5	284618.6	26822.82	248888.2
Rrp0276	184761.2	176586.8	174656.7	164232.2	133876.7	134169.5	178668.2
Rrp0039	59683.44	40778.87	70036.07	29233.09	22102.38	23067.53	56832.8
Rrp0140	795492	1217944	727211.3	434156.8	550210.2	1347046	913549.2
Rrp0350	150175.2	68352.04	140696.9	114491.2	52690	53273.85	119741.4
Rrp0040	669013	705026.5	605274.3	777721.4	697636.4	660168.2	659771.3
Rrp0621	161435.1	126846.5	160960.2	101991.2	100417.6	139898.7	149747.3
Rrp0374	60202.28	95825.04	45914.26	51433.35	141684.4	145958.4	67313.86
Rrp0064	257529.3	238370.4	226862	231035.1	324185.6	295673.2	240920.5
Rrp0069	630779.6	57571.42	79058.65	341845.6	415299.5	305124	255803.2

Rrp0194	10808.99	294439.1	294863.8	154239.3	24192.27	197219.3	200037.3
Rrp0649	1661680	1674091	1745702	1133255	2141414	2197261	1693824
Rrp0022	58036.46	49338.31	43891.97	20775.49	12745.68	35859.32	50422.25
Rrp0393	34950.28	32969	36369.97	14570.04	11221.76	10650.14	34763.08
Rrp0576	47768.05	49223.69	44187.67	25641.2	24295	23934.77	47059.8
Rrp0545	15679053	13925688	14164725	12041329	14588059	16396884	14589822
Rrp0424	33728.28	18902.5	23863.03	47982.41	26815.35	113902.8	25497.94
Rrp0531	4139462	4221889	4282451	4406101	3567468	4352927	4214601
Rrp0089	15093.39	12152.79	13913.75	32313.16	35149.73	34629.96	13719.98
Rrp0677	49464.2	49942.99	44649.93	22440.51	33349.64	24590.14	48019.04
Rrp0257	404102.8	585555.1	362824.6	450910.5	382440.3	349735.7	450827.5
Rrp0037	70524.36	136775.2	126915.8	131852.7	156804.2	143346.7	111405.1
Rrp0727	68214.07	66779.51	78493.4	52317.09	51200.83	48018.95	71162.33
Rrp0562	34959.99	5940.244	41167.25	52764.28	52247.83	53703.35	27355.83
Rrp0072	5929213	5801761	5307038	4763262	5587003	6274131	5679337
Rrp0146	82004.11	98991.9	112401	36431.06	414302.8	51943.37	97798.99
Rrp0342	26677.94	6071.834	9303.849	47254.51	23143.26	45053.16	14017.87
Rrp0733	29245.65	22368.69	24355.59	45094.28	45835.88	41844.89	25323.31
Rrp0486	25329.83	25665.24	39215.63	11763.11	13316.66	3225.987	30070.23
Rrp0394	14608.93	17739.83	14199.41	30045.09	35358.25	36863.78	15516.06
Rrp0369	222847.1	195404.6	236113.5	221888.1	253618.7	264409.9	218121.7
Rrp0312	626260.8	494036.8	529610.3	907495.3	985943.2	60629.25	549969.3
Rrp0571	38108.75	44794.06	43134.07	54618.85	61954.95	63256.73	42012.29
Rrp0388	258078.8	295280.3	244456.1	283853.6	323090	277663.6	265938.4
Rrp0450	41199.2	43252.17	43104.42	55774.93	61157.05	60429.53	42518.6
Rrp0403	73688.84	63075.36	63766.04	52047.71	42810.3	52189.38	66843.41
Rrp0083	78137.9	78850.53	78933.7	18291.2	15273.41	105299.5	78640.71
Rrp0398	34562.6	3052.378	34031.59	45983.68	45480.66	44889.16	23882.19
Rrp0739	21087.4	12174.67	10147.83	23589.69	53862.77	28995.81	14469.97
Rrp0502	83740.35	97848.21	209038.1	74373.32	62420.21	140456.2	130208.9
Rrp0587	22226.11	10573.29	23851.6	38258.02	34883.33	32980.67	18883.67
Rrp0575	51550.05	59931.95	72522.14	72235.4	84016.45	82798.68	61334.71
Rrp0250	539183.1	514100.4	529954.1	454980.2	562488.8	465499.2	527745.9
Rrp0208	466408.8	360020.8	358128.3	353820.3	436679.5	271221.6	394852.6
Rrp0365	61381.64	55492.95	76596.02	42678.19	50545.78	49991.11	64490.2
Rrp0767	19568.11	18015	19662.74	29281.03	32283.28	32478.68	19081.95
Rrp0462	18181.29	19103.97	19836.23	25945.54	38860.41	33308.5	19040.5
Rrp0248	239239.1	248577.5	259729.4	242733.6	253312.1	334775.5	249182
Rrp0457	37307.4	35745.37	40629.61	50146.2	47244.43	54062.6	37894.13
Rrp0375	31135.28	53207.72	88921.57	22519.72	46752.68	38115.69	57754.86
Rrp0434	26604.43	39419.04	23808.83	42454.17	47314.26	41315.23	29944.1
Rrp0007	14669.24	19031.02	14751.71	22944.37	33468.82	29510.2	16150.66
Rrp0048	53134.49	67276.25	74642.34	76138.54	84621.85	78285.42	65017.69
Rrp0426	933801.6	914431.6	934977.6	845933.9	1020405	1025511	927737
Rrp0206	88501.54	107363	103670	85031.63	91990.34	79554.25	99844.85
Rrp0054	13884.24	17894.14	13004.99	28704.29	24650.47	24354.79	14927.79
Rrp0286	40982.23	42364.25	38088.46	3600.561	30044.38	38284.29	40478.31
Rrp0442	35601.83	38681.1	35798.28	48096.66	44595.69	49162.18	36693.74
Rrp0056	28712.54	30808.52	27069.91	17335.66	18798.47	19725.82	28863.66
Rrp0425	14552.49	11749.82	17557.93	27313.37	21106.23	28133.32	14620.08
Rrp0268	66437.07	27110.63	93499.25	60310.14	42566.35	20031.16	62348.98
Rrp0179	57837.31	24689.42	60329.11	28672.07	115526.7	68782.96	47618.61
Rrp0174	295462.7	242354.5	340760.5	176902.1	325495.4	283897.4	292859.2

Rrp0296	47321.24	81273.42	82381.57	63084.21	48766.96	51950.65	70325.41
Rrp0108	660577.4	649420.8	615608	637715.7	682607.2	660868.3	641868.7
Rrp0539	25727.07	12543.82	60275.9	14616.34	17519.67	17847.02	32848.93
Rrp0395	11436.79	13958.93	6657.285	14930.08	16996.43	36317.64	10684.34
Rrp0301	77959.59	71878.17	87095.76	68149.36	59839.48	75794.31	78977.84
Rrp0341	5433.837	57151.61	32234.28	7596.003	78442.77	69373.99	31606.58
Rrp0211	404254.2	274908.7	218578.8	272900.8	258424.5	280393.3	299247.2
Rrp0360	25196.43	49579.78	65831.13	38164.78	34768.6	25528.57	46869.11
Rrp0766	124491.1	14960.28	100935.1	52678.43	64212.22	58853.45	80128.83
Rrp0138	27837.66	25965.67	20978.86	17956.13	15293.37	18304.17	24927.39
Rrp0336	115619.9	163859.9	126845.2	100358.1	144948.1	109694.6	135441.7
Rrp0700	52303.54	25585.31	39500.77	12200.89	21417.64	43883.7	39129.87
Rrp0776	11456.84	13087.66	11531.35	18501.49	16704.16	21089.85	12025.28
Rrp0009	10468.06	27893.7	102981.3	31745.56	26153.07	26235.79	47114.36
Rrp0689	72516.2	69366.11	76167.28	75307.19	77813.86	94455.01	72683.2
Rrp0728	154887.4	185539.6	194130.6	169363.3	149645.1	174513.5	178185.9
Rrp0196	333844.3	277075.8	304328.4	329010.2	361022.9	281280.8	305082.9
Rrp0397	14571.8	12199.14	6657.648	21574.52	14910.32	19432.57	11142.86
Rrp0554	33156262	35272367	41845987	33065477	39517667	37161752	36758205
Rrp0046	1947215	1495232	1732614	1433699	1617576	1979936	1725021
Rrp0557	32689.83	20552.07	32671.73	35738	36374.08	37355.06	28637.88
Rrp0291	6855.448	30075.87	18181.65	2991.734	16963.23	5172.694	18370.99
Rrp0209	91468.05	62618.66	48502.42	43806.19	72052.11	46726.33	67529.71
Rrp0287	25105.41	29182.36	32303.99	32906.27	39496.12	33319.65	28863.92
Rrp0145	103896.7	134759.1	116067.2	149010.8	142012.5	102056.3	118241
Rrp0473	21861.89	23331.75	21736.74	29763.95	22499.34	33875.24	22310.13
Rrp0144	21987.82	29712.21	20859.84	30788.77	30088.85	29393.58	24186.62
Rrp0389	26795.99	27740.59	25606.78	47344.79	17282.27	44194.92	26714.45
Rrp0599	49451.1	38971.56	36841.57	31938.68	35840.52	37440.39	41754.74
Rrp0506	27788.24	9975.827	19277.67	6772.577	14348.61	13872.76	19013.91
Rrp0487	22678.67	15349.47	22278.58	29015.79	24230.42	23836.56	20102.24
Rrp0024	86682.63	77226.77	84219.88	68860.29	80389.53	79335.19	82709.76
Rrp0605	19622.51	20260.68	20695.29	18819.72	15146.16	13008.97	20192.82
Rrp0387	143374.7	110807	97798.66	101785.9	119511.8	100129.8	117326.8
Rrp0080	19498.25	16132.14	110055.6	38050.89	39401.71	26691.46	48562.01
Rrp0189	410160.3	594502.3	496748.8	420588.5	452634	566210.6	500470.5
Rrp0494	22851.28	29519.05	17235.43	23602.27	26864.83	37131.8	23201.92
Rrp0178	83986.39	79370.96	98716.5	96750.51	73225.94	67802.48	87357.95
Rrp0292	15488.48	19025.92	4702.081	16219.3	35375.59	9815.269	13072.16
Rrp0260	11621.31	17530.1	11035.57	19661.91	11646.65	25405.08	13395.66
Rrp0726	51676.46	53634.43	49262.13	52730.11	59917.29	54476.23	51524.34
Rrp0553	18131.39	17647.11	1538.641	6244.172	9544.192	4594.478	12439.04
Rrp0156	8463.656	7036.633	6349	8616.166	9168.302	15727.9	7283.096
Rrp0468	37820.77	45473.48	24661.34	13741.72	18798.76	50680.62	35985.2
Rrp0372	13229.26	12185.14	10287.27	18672.67	10171.16	18314.94	11900.56
Rrp0541	380139.9	574637.6	646833.4	425793.8	611944.4	503953.1	533870.3
Rrp0081	13057.71	11408.61	10775.82	15281.15	17651.53	11799.03	11747.38
Rrp0407	561415.4	477243.9	464443.8	510715	539547.7	486938.3	501034.4
Rrp0295	5371.887	24973.59	10015.57	13274.79	6530.052	5252.686	13453.68
Rrp0325	20794.03	21610.84	18851.21	30838.43	14139.37	30211.39	20418.69
Rrp0057	35526.85	35754.71	22931.28	32071.84	33598.05	41525.99	31404.28
Rrp0524	35394.84	18635.5	60307.31	40812.78	34510.25	59645.64	38112.55
Rrp0501	22577.61	43310.33	27602.54	35767.74	13445.48	29847.4	31163.49

Rrp0221	737451	756374.6	565187.2	472907.2	758952.9	777508.3	686337.6
Rrp0573	89091.53	105334.1	85341.11	73854.12	98281.04	94213.66	93255.57
Rrp0104	164016.3	25192.72	9383.649	63961.38	10581.24	157456.4	66197.54
Rrp0224	7792.146	3316.842	9841.941	4782.629	14128.76	9832.44	6983.643
Rrp0401	11212.82	10292.55	10121.87	10222.84	13767.83	12253.94	10542.41
Rrp0693	51635.85	63036.12	70953.89	87126.86	53653.9	58889.04	61875.29
Rrp0215	43497.46	1767.518	43488.44	18417.6	58743.91	28928.26	29584.47
Rrp0382	16277.81	16778.59	16752.75	15145.51	16450.24	15008.49	16603.05
Rrp0214	372738.5	315655.6	140054.7	177167.4	468244.4	139833.6	276149.6
Rrp0435	4643.013	13002.2	4287.469	3301.679	9206.241	17642.58	7310.894
Rrp0335	16325.33	13826.53	14725.93	16785.6	16879.42	14945.43	14959.26
Rrp0362	13110.75	13374.5	15554.3	13863.88	1902.096	18461.22	14013.18
Rrp0284	129109.4	102285.2	118900.7	106596.8	138414.5	91996.16	116765.1
Rrp0409	333581.9	237102.2	308638.7	297560.1	236759.3	325057.5	293107.6
Rrp0560	3816.55	9244.3	4890.32	2138.58	16874.51	6149.194	5983.723
Rrp0613	328214.8	325141.8	335190.4	286168.4	324906.8	363582	329515.7
Rrp0597	26189	27163.95	19775.81	31928.21	26968.56	19381.95	24376.26
Rrp0343	8881.972	8044.424	3836.275	12975.2	3586.317	8049.443	6920.89
Rrp0157	103979.9	94108.27	132632.4	83701.1	140064.2	116461.1	110240.2
Rrp0101	106313	89472.66	93500.94	129630.9	82876.24	68170.79	96428.88
Rrp0385	6228.04	6722.196	4717.354	1264.18	7429.984	6137.951	5889.196
Rrp0763	58548.38	44395.02	65384.09	50235.13	66212.94	46244.43	56109.16
Rrp0013	136470.8	125084.8	122176.5	129458.1	127464.9	122600.3	127910.7
Rrp0537	156415.7	178056	169114.2	168018.8	138678.9	205465.2	167862
Rrp0704	29809.61	22483.07	33526.31	27993.89	20490.03	33339.05	28606.33
Rrp0285	31192.14	4676.831	4255.215	10900.74	14021.27	10308.28	13374.73
Rrp0353	3445.911	3506.439	1162.903	2855.714	2164.508	1723.789	2705.084
Rrp0016	1497264	1522990	1590125	1491102	1613209	1499640	1536793
Rrp0006	670203.2	740609.4	637538	694773.5	708646.9	643133.1	682783.5

case	meanlog2FoldCh	P.Value	padj	vip
1.72E+09	5.196645	1.31E-08	2.20E-06	7.323045
1.29E+09	5.86393	4.88E-09	1.23E-06	6.359171
1.34E+09	2.150867	2.06E-07	1.30E-05	5.75406
1.29E+09	2.170765	2.45E-08	3.10E-06	5.66655
1.27E+09	2.181912	6.66E-08	6.73E-06	5.630629
1.27E+09	2.106449	1.52E-07	1.10E-05	5.592346
8.75E+08	7.371547	7.73E-06	0.00018	5.271067
1.33E+09	1.43594	2.46E-06	0.000103	5.172326
1.25E+09	1.360056	1.53E-05	0.000214	4.934606
1.37E+09	1.136366	4.82E-05	0.000443	4.871792
1.07E+09	0.771249	8.44E-05	0.000655	3.747945
1.38E+09	0.528071	5.08E-05	0.00045	3.673775
1.04E+09	0.734244	8.87E-05	0.000661	3.635297
3.75E+08	3.198266	1.21E-05	0.000186	3.266333
3.76E+08	3.158105	2.01E-05	0.000247	3.265741
3.08E+08	9.948859	8.89E-06	0.00018	3.135262
5.37E+08	-0.57612	1.21E-05	0.000186	2.901404
9.02E+08	0.441891	0.001343	0.004277	2.718449
9.93E+08	-0.28754	8.90E-06	0.00018	2.645684
2.02E+08	4.752586	1.12E-07	9.42E-06	2.496242
1.38E+08	-1.16768	1.75E-05	0.000233	2.345645
3.25E+08	1.017926	0.000374	0.00167	2.278159
3.23E+08	0.842858	1.81E-05	0.000234	2.136738
1.41E+08	4.143092	1.08E-05	0.000186	2.062176
10023015	-3.47703	1.25E-05	0.000186	1.801025
7.42E+08	0.180355	0.000546	0.002122	1.654079
1.54E+08	-0.6359	2.98E-05	0.000334	1.64988
1.09E+08	-0.66944	0.005956	0.01399	1.389695
2.79E+08	0.390249	0.022064	0.042641	1.362872
1.12E+08	1.033616	0.000153	0.000919	1.344694
61303794	3.318211	2.45E-05	0.000295	1.326184
77394155	-0.77118	0.000145	0.000889	1.315998
69299677	-0.82738	0.000373	0.00167	1.301076
53314507	4.908508	0.000166	0.000964	1.277949
55371035	2.713359	4.48E-05	0.000419	1.22247
91447821	-0.60296	0.001636	0.00489	1.211876
1.02E+08	0.884908	0.000952	0.003293	1.21028
1.61E+08	-0.34413	0.000116	0.000789	1.173346
54929823	2.127778	0.000411	0.00179	1.154955
5115290	-3.20799	0.00026	0.001237	1.154925
79804674	1.046147	0.0002	0.001084	1.141117
40041629	8.295887	3.59E-09	1.23E-06	1.13043
85219564	0.769087	0.001464	0.004509	1.044075
12879915	-1.78116	3.50E-06	0.000126	1.001538
27530964	-1.11509	0.001129	0.003801	1.000091
24336964	-1.15075	0.000447	0.001848	0.967406
11395427	-1.79004	1.26E-05	0.000186	0.945651
10261767	-1.88226	4.12E-05	0.00041	0.937148
23162096	-1.12776	0.000107	0.00075	0.934092
85945904	-0.44809	0.027654	0.050969	0.929372
9.74E+08	-0.04695	0.050801	0.08726	0.915935
8.47E+08	-0.05047	0.071375	0.117027	0.86381

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

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

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

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

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

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

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

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

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

row	Z-B-1	Z-B-2	Z-B-3	H-B-1	H-B-2	H-B-3	control_me:
Rrp0530	8.15E+08	8E+08	6.96E+08	1.84E+08	1.65E+08	1.38E+08	7.71E+08
Rrp0679	1.33E+09	1.38E+09	1.33E+09	8.02E+08	7.76E+08	7.33E+08	1.35E+09
Rrp0680	1.36E+09	1.36E+09	1.35E+09	8.45E+08	8.16E+08	7.29E+08	1.36E+09
Rrp0686	1.32E+09	1.33E+09	1.29E+09	8.18E+08	7.73E+08	6.89E+08	1.31E+09
Rrp0681	1.28E+09	1.32E+09	1.27E+09	8.01E+08	8.01E+08	7.42E+08	1.29E+09
Rrp0549	4.54E+08	5.1E+08	4.32E+08	82067652	76892796	71171523	4.65E+08
Rrp0692	4.35E+08	4.21E+08	4.21E+08	70329705	75236709	66592677	4.26E+08
Rrp0668	1.26E+09	1.3E+09	1.22E+09	9.74E+08	8.77E+08	8.62E+08	1.26E+09
Rrp0669	1.23E+09	1.24E+09	1.24E+09	9.29E+08	8.94E+08	8.63E+08	1.24E+09
Rrp0547	5.12E+08	5.07E+08	5.65E+08	8.69E+08	8.27E+08	8.05E+08	5.28E+08
Rrp0165	1.19E+09	1.21E+09	1.15E+09	9.59E+08	9.21E+08	9.09E+08	1.19E+09
Rrp0546	6.23E+08	6.34E+08	5.53E+08	8.45E+08	7.72E+08	8.24E+08	6.03E+08
Rrp0684	78117479	76978803	74286051	2.3E+08	2.26E+08	2.05E+08	76460778
Rrp0674	67673195	70801755	60555220	2.09E+08	2.08E+08	1.96E+08	66343390
Rrp0228	2.79E+08	2.81E+08	2.55E+08	1.56E+08	1.44E+08	1.45E+08	2.72E+08
Rrp0359	1.03E+09	1.01E+09	9.44E+08	8.9E+08	8.74E+08	8.77E+08	9.95E+08
Rrp0651	19192132	20352677	16058523	1.37E+08	1.21E+08	1.1E+08	18534444
Rrp0188	8.78E+08	8.41E+08	8.54E+08	7.81E+08	7.35E+08	7.39E+08	8.58E+08
Rrp0538	1.06E+09	1.1E+09	9.96E+08	1.16E+09	1.16E+09	1.17E+09	1.05E+09
Rrp0368	1.15E+08	1.29E+08	98410657	21995525	18411337	14689356	1.14E+08
Rrp0361	9.7E+08	9.81E+08	9.23E+08	8.74E+08	8.77E+08	8.84E+08	9.58E+08
Rrp0305	13436838	11469597	12514043	89451639	83499310	80105794	12473493
Rrp0440	1.28E+08	1.45E+08	1.56E+08	2.24E+08	1.99E+08	2.15E+08	1.43E+08
Rrp0664	3.24E+08	3.17E+08	2.87E+08	2.54E+08	2.38E+08	2.27E+08	3.09E+08
Rrp0438	1.17E+08	1.25E+08	1.38E+08	2.15E+08	1.7E+08	2.06E+08	1.26E+08
Rrp0455	1.08E+08	1.03E+08	1.1E+08	49032398	40134717	41911695	1.07E+08
Rrp0655	2.01E+08	2.23E+08	1.86E+08	1.53E+08	1.36E+08	1.26E+08	2.03E+08
Rrp0456	95722955	94986115	1.1E+08	46317084	44069800	40001041	1E+08
Rrp0564	60277194	63032526	66257650	9302177	8461343	8062043	63189123
Rrp0366	1.55E+08	1.58E+08	1.32E+08	2.16E+08	1.97E+08	1.93E+08	1.48E+08
Rrp0383	8.41E+08	8.56E+08	8.45E+08	9.02E+08	8.99E+08	8.91E+08	8.47E+08
Rrp0384	7.87E+08	8.3E+08	8.15E+08	8.79E+08	8.6E+08	8.55E+08	8.11E+08
Rrp0654	1.97E+08	2.39E+08	1.81E+08	1.63E+08	1.29E+08	1.56E+08	2.05E+08
Rrp0652	2.14E+08	2.24E+08	2.5E+08	2.96E+08	2.77E+08	2.64E+08	2.29E+08
Rrp0670	10154185	7677299	8647740	52189029	47046713	40614719	8826408
Rrp0148	68695545	69009249	58258059	31123220	27404838	27819945	65320951
Rrp0673	48842803	56944981	45572703	15691480	15368588	13289107	50453496
Rrp0386	1.48E+08	1.37E+08	1.31E+08	1.91E+08	1.78E+08	1.59E+08	1.39E+08
Rrp0293	15385894	18050994	15781400	42914643	36681906	37225433	16406096
Rrp0055	1.37E+08	1.4E+08	1.27E+08	1.7E+08	1.53E+08	1.52E+08	1.35E+08
Rrp0511	3459268	3215236	3381280	21030862	19717823	20469811	3351928
Rrp0688	27345049	25317805	23510822	8709275	9447801	8065156	25391225
Rrp0582	2.31E+08	2.14E+08	1.95E+08	2.04E+08	1.8E+08	1.86E+08	2.13E+08
Rrp0528	1.31E+08	1.37E+08	1.04E+08	1.65E+08	1.31E+08	1.44E+08	1.24E+08
Rrp0554	48009992	41990737	38728713	57029362	61449276	56607152	42909814
Rrp0452	14468747	15737862	14511235	1308680	1252742	1241561	14905948
Rrp0514	3775587	3526989	2992441	22919966	16126459	14349519	3431672
Rrp0197	23411865	24196187	25872018	11504373	11172381	11693660	24493357
Rrp0598	7733023	7530312	6384312	22265662	19544313	19189988	7215882
Rrp0333	1.26E+08	1.33E+08	1.33E+08	1.41E+08	1.44E+08	1.47E+08	1.31E+08
Rrp0510	8135176	7804680	6328642	20084531	18323861	18790634	7422833
Rrp0568	4815304	4708031	4259165	16533399	14704398	14071056	4594167

Rrp0512	8163948	7299506	6423647	18564294	17378327	16872199	7295700
Rrp0672	702549.5	648421.6	645438.2	10924577	11157571	9746623	665469.8
Rrp0754	4746110	3983978	3921765	15053851	10710269	17390269	4217284
Rrp0515	16861516	17654066	16852034	30253308	26031413	25203645	17122539
Rrp0223	57463238	56866763	57885701	68117046	65430942	67414158	57405234
Rrp0645	16686093	15378831	14634779	27471358	26244034	22564252	15566568
Rrp0600	7005990	6316394	5617249	15894992	14514977	16240176	6313211
Rrp0507	7142950	7664895	5990659	15355222	16396995	15494959	6932835
Rrp0098	25566576	24500428	26394602	33147222	34601615	35086378	25487202
Rrp0643	1527005	1932474	1596310	11957976	9556306	9803971	1685263
Rrp0565	5352602	5095947	3811658	14479759	12654780	12381677	4753402
Rrp0701	11799849	11566013	10782507	3334636	3081256	3185791	11382789
Rrp0649	14145821	15088003	15740291	21127518	22328121	27541190	14991371
Rrp0464	7212616	8607038	8716852	17842448	14877491	16463925	8178836
Rrp0529	6.48E+08	67297943	5.47E+08	5.19E+08	4.19E+08	4.92E+08	4.21E+08
Rrp0753	3203746	3321506	3055304	13492401	9754759	10886556	3193519
Rrp0090	94030308	99121304	95153137	1.04E+08	1.12E+08	1.01E+08	96101583
Rrp0096	23121244	22936699	25087071	29491594	32276563	32391441	23715005
Rrp0318	15146623	16158544	13579173	25977128	21629334	21133966	14961447
Rrp0545	9585850	9179395	8528099	17877180	16103747	15489504	9097781
Rrp0328	688111.9	687938.1	677501.5	7144047	7994846	7346854	684517.2
Rrp0626	1272586	1437979	1064173	7951360	7824552	8111333	1258246
Rrp0648	7452158	7138576	8429836	1416515	1123100	1071205	7673523
Rrp0527	6.24E+08	6.59E+08	1E+08	5.27E+08	4.91E+08	5.07E+08	4.61E+08
Rrp0640	2915690	3037214	3367299	10720783	8545506	9447287	3106734
Rrp0319	15483895	16683157	13757030	24679373	20972334	21059489	15308027
Rrp0102	28412106	28526403	31930705	35555468	35854048	37366235	29623072
Rrp0481	33978046	30123970	28115929	25237459	24618633	21051462	30739315
Rrp0229	12548716	13272083	10973479	6742584	5460122	5541901	12264759
Rrp0349	15742148	9940930	9645013	5575338	559674.3	6286858	11776030
Rrp0317	16380998	16541217	13912481	24437912	21904776	20386518	15611565
Rrp0567	1263571	1744222	1755547	7796513	7459152	7334287	1587780
Rrp0441	9225636	9240950	9971248	17026811	13560065	15907148	9479278
Rrp0480	30381455	28150072	28016005	24664702	23251554	21959528	28849177
Rrp0190	2383557	274362.2	212963.8	5861573	5799633	7241871	956961
Rrp0509	46641014	47371506	35045281	41107844	32867461	30913945	43019267
Rrp0690	798806.5	914637.1	749408.2	6773046	5641935	5504288	820950.6
Rrp0143	19719283	21108244	17596197	16015431	12833025	13030477	19474574
Rrp0644	7836540	7599674	7258108	12775224	13901851	11372778	7564774
Rrp0685	5795425	7278392	6388834	13174792	11656394	10222459	6487550
Rrp0508	7451144	5338710	4653691	12505367	10208081	10414756	5814515
Rrp0047	2236011	430473.6	415731.1	6548997	5604490	5586187	1027405
Rrp0406	21153.63	26953.13	59461.41	5301388	4520208	4459002	35856.06
Rrp0122	25772024	26510742	23997447	21946513	19935698	19479798	25426737
Rrp0755	2026959	1909790	2015188	7083339	6320299	6216172	1983979
Rrp0278	7013929	7506923	6715859	3112901	2684171	2515174	7078903
Rrp0026	11858873	12928731	12483381	17074790	16151635	16974960	12423661
Rrp0650	2771470	2267211	2741161	6421069	5686181	8377413	2593280
Rrp0309	2391625	2104466	2126646	7422372	5055998	6651272	2207579
Rrp0181	5033600	4950962	6531245	1865424	1809842	1034382	5505269
Rrp0453	5715844	5028489	5631822	1775941	1668118	1505016	5458718
Rrp0321	15541342	14614903	13669889	19317875	18606192	17979898	14608711
Rrp0665	32185076	36813671	31895885	28923171	30603578	27262192	33631544

Rrp0160	5212116	4822885	4695489	1541105	1401104	1339378	4910163
Rrp0678	3463672	3563623	2684600	6714076	7082173	6283280	3237298
Rrp0641	1000583	814502	906474.2	4560040	4102389	4180553	907186.6
Rrp0489	30968335	31907011	27835433	37190108	32240735	34285451	30236926
Rrp0720	1373476	1515475	1222187	5511669	4283752	4403416	1370379
Rrp0402	1204990	1581662	1292839	4953633	4061280	4278621	1359830
Rrp0087	16657280	17552138	16011899	22673803	20234038	18348381	16740439
Rrp0103	20738268	21340279	22263230	24419613	24433183	24235449	21447259
Rrp0517	14661385	13415438	12741072	17880488	16781230	15311045	13605965
Rrp0583	2483397	2513549	2465534	17479.64	19136.79	15466.62	2487493
Rrp0429	5100319	5290774	5035988	2898272	2505505	2734679	5142360
Rrp0696	1820918	1949233	1860081	4430974	3737630	4811918	1876744
Rrp0477	2422772	2224704	2530115	4708341	4698143	4919592	2392530
Rrp0697	1956894	2015859	1701948	4341987	4092240	4293862	1891567
Rrp0251	3387206	3381764	3353724	1020267	1130367	987375.5	3374232
Rrp0548	1383679	1221967	1251322	3464630	3560986	3805461	1285656
Rrp0404	1199988	1607429	1244174	3509001	3939051	3568176	1350530
Rrp0339	45342058	41531535	45720815	42799206	38741997	41058107	44198136
Rrp0100	156187.4	398100.6	194760.5	2931881	2511324	2257832	249682.8
Rrp0683	539300	715062	449625.4	3335948	2664609	2656635	567995.8
Rrp0185	1232213	1141805	1067364	3775971	3054645	2955543	1147127
Rrp0327	284641.2	141563.1	223987	2526038	2121626	2120377	216730.5
Rrp0493	869334.5	825487.8	667513.8	2899180	3722481	2246686	787445.4
Rrp0454	3277810	3248931	2851133	1269545	932456.4	1299136	3125958
Rrp0467	7870040	7913061	6647088	4376725	5910162	5528646	7476730
Rrp0540	13968.49	23169.82	14169.8	25140.24	3447077	4093787	17102.7
Rrp0465	2562606	2443775	2147871	4484304	4436378	3887882	2384751
Rrp0363	311903.5	323973.5	346709.7	2374273	1982665	2010872	327528.9
Rrp0676	497231.4	340641.2	291971	2244071	2038696	2113532	376614.5
Rrp0522	7.35E+08	7.41E+08	7.2E+08	7.33E+08	7.18E+08	7.29E+08	7.32E+08
Rrp0332	3654355	3439680	2896865	1750797	1574630	1443552	3330300
Rrp0466	7426790	8062459	7706668	6554257	5962311	5474152	7731973
Rrp0121	3605692	3907847	3697246	2052054	2166772	2176951	3736928
Rrp0658	4352582	4747987	4522383	7565411	6167777	5489791	4540984
Rrp0569	14912461	15236238	14068038	14395103	11826139	12023177	14738913
Rrp0581	2255581	2148303	1777990	613972.7	677450.6	601215.9	2060625
Rrp0158	4495605	4730800	4713000	3529882	3066600	3100510	4646468
Rrp0088	2885660	3385257	3083427	1703045	1799311	1691275	3118114
Rrp0171	4598436	4720718	4368883	3395125	3107779	3045638	4562679
Rrp0431	928705.6	1030930	972423	1895643	1559193	4810082	977352.8
Rrp0174	169794.7	134188.5	220195.6	1579557	1575419	1195775	174726.3
Rrp0324	3527582	4386042	3798728	7259921	6425360	3796032	3904117
Rrp0031	4751127	4633779	4708179	3562774	3521445	3419449	4697695
Rrp0532	568188.2	358843.8	338717.9	1955002	1644607	1341043	421916.7
Rrp0513	12609993	13128094	9362164	14962629	12569212	13320335	11700084
Rrp0164	2273509	2638865	2518676	1525706	1395734	1231574	2477016
Rrp0725	1383388	1096926	1269012	208815.7	196170.6	204895.3	1249776
Rrp0541	184082.1	173570.8	219112.9	2181705	1123197	936650.1	192255.3
Rrp0306	4172607	4251129	3661593	5523125	4714535	5212945	4028443
Rrp0610	8751876	9455771	7483630	10254933	9955343	9447967	8563759
Rrp0392	11689885	12278450	9250727	10464820	9004705	9087064	11073021
Rrp0436	385712.2	403017.6	372890	1359521	1232482	1373125	387206.6
Rrp0490	4603212	4397639	3704350	3494612	3124053	2857378	4235067

Rrp0661	5328133	5409987	5748649	4898908	4218078	4300078	5495590
Rrp0075	2087928	2568987	2249771	1539074	1333561	1100350	2302229
Rrp0474	4747773	4188470	4206628	6096245	4776096	5662908	4380957
Rrp0531	283040.6	336159.4	225616.4	950930.5	1072831	1761600	281605.5
Rrp0265	1447745	1832165	1317795	644556.7	627740.4	497789	1532568
Rrp0450	827344.8	1105286	892121.7	57281.99	67250	50720.68	941584.3
Rrp0053	5235490	524900.2	523810.8	395701.5	378877	342833.9	2094734
Rrp0280	980711.8	890227.6	854900.9	81253.43	68196.02	77723.32	908613.4
Rrp0014	2.48E+08	2.59E+08	2.25E+08	2.61E+08	2.46E+08	2.38E+08	2.44E+08
Rrp0242	40054.21	37119.03	35856.3	881673.1	801450.6	829619.3	37676.51
Rrp0205	2282223	2310747	1855554	1295093	1269774	1341899	2149508
Rrp0069	5590080	51965.69	66250.74	90692.84	151854.6	143807.1	1902766
Rrp0358	1501480	1462600	1293988	2410063	2320067	1938137	1419356
Rrp0388	1042404	1178787	1209011	441608.8	397012.7	380983.5	1143401
Rrp0070	1710240	1690211	1930278	2397345	2469966	2746914	1776910
Rrp0065	3715492	3819199	3434546	5128861	4365473	4177959	3656412
Rrp0330	990672.5	1047027	818337.6	243055.8	264521.4	169593.1	952012.5
Rrp0764	293178.9	364130.1	959113.8	1523945	1165651	1363457	538807.6
Rrp0062	2911403	2909902	2571077	3844161	3410374	3439720	2797460
Rrp0482	644806.4	618231.8	516280	1405304	1070057	1411691	593106
Rrp0213	957455.5	1062359	931310	291984.4	288170.8	334347	983708.1
Rrp0381	887003.3	1109872	1437312	2016581	2101086	1641622	1144729
Rrp0212	1298329	1453819	1524932	752531.2	713552.6	778908.2	1425694
Rrp0586	773244.7	782158.6	697119.5	1483522	1069027	1933307	750840.9
Rrp0192	5834798	5017840	5001603	6462184	6317327	5640915	5284747
Rrp0036	2328984	2507954	2051732	1885846	1389292	1503752	2296223
Rrp0063	3770590	3728966	3228900	4773030	4046418	4198491	3576152
Rrp0074	1964256	2171084	1603425	1473137	982978.6	1159523	1912922
Rrp0038	316451.1	322815.1	305931.4	1221346	866182	806366.4	315065.9
Rrp0417	1795944	2009162	1668209	2863217	2375075	2304895	1824438
Rrp0457	549404.7	619697.5	633527	33024.23	34273.32	35236.61	600876.4
Rrp0008	12923423	12457002	15424958	12219238	12234557	12993511	13601794
Rrp0019	1032478	970905.1	924565.1	446592.6	433587.8	387157.4	975982.6
Rrp0742	1153352	1203287	1230483	659266.4	670633.7	655563.3	1195707
Rrp0147	453295.7	565216.5	466846.4	1026001	1174957	944272.5	495119.5
Rrp0743	1187834	1241544	1037679	1578038	1637964	1888126	1155686
Rrp0746	804058.5	829121.9	638663.7	253032.9	205996.1	228200.3	757281.4
Rrp0060	3711439	3768742	3453513	4435836	4320224	3953400	3644565
Rrp0606	38155541	38478598	30702637	34668841	38990314	38754383	35778925
Rrp0078	1358920	1053550	1048599	862147	485493.7	488265.9	1153690
Rrp0667	31142.96	30175.64	35501.02	525697.8	479325.7	476638.3	32273.2
Rrp0011	1.16E+08	1.19E+08	1.1E+08	1.24E+08	1.15E+08	1.13E+08	1.15E+08
Rrp0607	2004636	2264939	1958188	1653754	1568650	1547102	2075921
Rrp0329	546138.2	552026.5	524442.6	99895.59	98474.42	88373	540869.1
Rrp0542	806964.4	835154.3	660078.6	290575.2	322509.9	334991.9	767399.1
Rrp0028	2758407	3009732	2839860	3527111	3123458	3436517	2869333
Rrp0334	636002.8	745567.8	638931.7	271890.4	260229.9	183407	673500.8
Rrp0219	286548.3	345834.7	225465.8	462978.3	1215752	811362.9	285949.6
Rrp0191	6291863	6663622	5740279	7520830	7105935	6211671	6231921
Rrp0577	674469.5	733481.3	585375.7	1186586	975692.2	1115749	664442.2
Rrp0410	1391430	1448972	1465669	1839541	1687100	2118173	1435357
Rrp0112	17929325	21898869	18889197	24591446	19880125	18449898	19572464
Rrp0662	3983560	3243878	3466690	3895671	4361705	3993406	3564709

Rrp0630	361705.4	375458.6	304232.8	706544	766129.9	649722	347132.3
Rrp0516	3402235	4112268	2990258	4313692	3999649	3853010	3501587
Rrp0709	410060.6	404727.9	464850.1	99162.12	80239.05	83735.39	426546.2
Rrp0449	516678.1	580076.9	462463.6	215879.3	168287.2	152905.3	519739.5
Rrp0426	817830.3	761675.1	795801.8	1080367	1059493	1240445	791769.1
Rrp0032	2747746	3230543	2791004	3602063	3208127	3258687	2923098
Rrp0274	1331964	208439.2	1360507	179276.9	889538.9	123056.3	966970.3
Rrp0159	3883530	4274677	3952517	3664164	3581021	3711206	4036908
Rrp0238	118045.6	2091295	122666.7	149969.8	12836.89	98927.3	777335.8
Rrp0638	891920.1	1138635	1232612	1377693	1472927	1468624	1087722
Rrp0422	1932825	1912422	1789203	2218957	2121244	2250179	1878150
Rrp0752	4054084	320110.1	32432.76	146488.7	154622	1289033	1468876
Rrp0042	596777.4	655466	628682.3	389813.5	276498.1	289833.4	626975.2
Rrp0675	314446.1	335175.2	29227.81	695622	525127.5	523353.4	226283
Rrp0115	366276.7	4327500	305081.4	815115.4	611605.3	786187.6	1666286
Rrp0108	1412963	1533559	1425879	1168679	1104468	1198568	1457467
Rrp0647	182410.8	194926.7	194445.4	495583	535074.6	418773.4	190594.3
Rrp0367	495202.4	486231.8	428376.7	209371.4	193133.9	211478.8	469936.9
Rrp0504	62827.69	92290.6	70141.41	394115.8	281253.3	343838.8	75086.57
Rrp0214	150066.2	112768.8	67802.94	38763.05	1777672	223096.2	110212.7
Rrp0130	1366930	1436769	1354306	1748622	1527104	1698799	1386001
Rrp0150	343628.8	240059.5	376152.1	632487.3	468046.4	683575.9	319946.8
Rrp0566	681966	625844.7	771786.1	936043	912368.7	1003728	693198.9
Rrp0281	1038458	987874.9	962895.7	834721.5	721850.8	675810.3	996409.4
Rrp0408	102499.6	85080.9	120076.8	371344.2	367665.7	294078.3	102552.4
Rrp0044	1572747	1954929	2269204	2511191	2133269	2256744	1932294
Rrp0040	503261.4	525147.4	520423.7	350242.9	265528.7	221340.3	516277.5
Rrp0642	60499.69	4702.816	63129.88	282868.4	272739.8	268447.8	42777.46
Rrp0759	318664.1	332600.8	305102.4	122050.6	119205.8	10893.67	318789.1
Rrp0119	10445818	12689148	8154236	12336455	11267573	10138020	10429734
Rrp0201	580834.3	712958.2	576332.9	425414.3	369715.1	399817.7	623375.1
Rrp0107	2798031	3157471	2761343	3505757	2989132	3183666	2905615
Rrp0270	456916.5	466040.3	459082.2	682555.8	649256.1	663617.4	460679.7
Rrp0534	679900.9	778179.8	774694.3	515880.9	411030.5	609323.4	744258.4
Rrp0476	429267	463396.7	256409.9	167253.5	165281.5	137786.1	383024.5
Rrp0766	13150.71	16029.38	12467.72	205831.8	190575.9	233715.7	13882.6
Rrp0420	7704391	8976956	9890057	10237613	8910979	9120824	8857135
Rrp0311	2284878	1808134	1825131	3957278	1854292	1782155	1972715
Rrp0691	361431	364730.1	344620.4	232846.5	127492.2	127604.7	356927.2
Rrp0728	308317	357744	274768.2	119728.8	128703.9	124336.6	313609.7
Rrp0760	307596	262121.2	250036.3	85903.28	108250.8	89851.7	273251.1
Rrp0613	330033.2	333873.3	310291.2	482906.8	517753.7	491796.6	324732.6
Rrp0621	244359.8	287148.6	215061.9	73721.75	76891.81	70108.89	248856.8
Rrp0390	1006458	910966.5	977426.3	1136230	1180202	1117800	964950.4
Rrp0345	19820624	18065825	18522097	19149071	17742516	18113366	18802848
Rrp0611	988554.7	1143934	915488.5	1460945	1116312	1175926	1015993
Rrp0727	205236	197685.7	183541.5	38904.59	40410.78	35296.67	195487.7
Rrp0172	462330	407892.6	292461.5	168888.4	146623.2	275684.8	387561.4
Rrp0523	10978672	1310514	112518.8	792567.8	7690258	823747.9	4133901
Rrp0218	240903.7	205555.5	229056	83136.02	75366.23	62621.91	225171.7
Rrp0758	23771.18	20263.63	23916.19	179025.1	161184.1	179392	22650.34
Rrp0288	696200.8	763837.2	649883.9	872049.5	904885.7	834557.9	703307.3
Rrp0348	25220.75	46834.56	27906.41	155669.8	163467.6	238114.8	33320.57

Rrp0289	183180	309020.3	133829.3	542658.4	324366.3	348006.3	208676.5
Rrp0572	667449.3	701698	716502.3	897437.9	747646.6	941384.8	695216.5
Rrp0379	109275.9	105349.2	85138.29	212830.7	236287.6	277595.3	99921.12
Rrp0052	954167	903053.3	743600.7	791011.1	653908.6	611342.6	866940.3
Rrp0470	73183.48	119829.5	93590.16	258666.2	227908.6	222056.1	95534.38
Rrp0726	168650.3	168909.4	180015	35207.65	38722.44	35185.92	172524.9
Rrp0097	840968.3	613798.1	746987.4	962184.8	957680.6	829715.2	733917.9
Rrp0614	817910.4	861592	789036.7	1152920	861813	1000908	822846.3
Rrp0303	892010	855716.8	777400.5	1006331	1065249	934132.6	841709.1
Rrp0196	226253.2	255739.6	228761.7	415107.4	358497.7	351405.1	236918.1
Rrp0615	397053	464273.4	367815.6	504660.4	587654.2	563053.4	409714
Rrp0351	744380.9	181264.6	316585	261510.6	83425.5	209786.6	414076.8
Rrp0193	21842.15	39887.63	26277.93	491673.8	194572.9	29438.71	29335.9
Rrp0603	62314.74	64474.22	61389.07	194232.1	172970.9	184030.9	62726.01
Rrp0499	87163.31	72600.7	59703.53	218905.8	208384.8	170332	73155.85
Rrp0589	3023812	3384579	2685891	3523166	3087763	3226496	3031427
Rrp0543	152639.5	149680.4	174359.1	40865.1	46878.29	45021.31	158893
Rrp0376	309978.2	42385.37	190199.4	492527.4	334610.4	255769.9	180854.3
Rrp0573	172982.2	192263.5	183394.9	77989.92	57259.54	70720.36	182880.2
Rrp0747	63934.43	61879.09	69626.51	176927	188403.9	168365.5	65146.68
Rrp0001	42250.33	33902.26	55347.32	711123	57668.82	76986.12	43833.3
Rrp0117	439410.6	366287	322900.6	271156	28054.77	314719.7	376199.4
Rrp0633	221434	244147.7	267737.6	393815.5	318347.9	364058.4	244439.7
Rrp0558	241440.3	206734.3	166192.7	103614.7	95680.36	92239.71	204789.1
Rrp0659	158399	125163.1	157315.4	277420.8	242573.5	235712.3	146959.2
Rrp0391	217310.1	228509.6	199722.8	304989.1	304015.4	333607.6	215180.8
Rrp0519	1305289	1375281	1301478	1372469	1549181	1447808	1327349
Rrp0617	322558.5	332779.6	342874.9	505022	379047.9	456933.9	332737.7
Rrp0076	415974.2	410931.8	388818.9	284945.4	352237.1	267650.1	405241.6
Rrp0419	7318657	5620196	3271159	5046908	4759035	5001202	5403337
Rrp0552	122008.8	135501.1	145442.6	40755.75	42776.91	44487.49	134317.5
Rrp0009	43159.69	39853.96	34478.56	43770.58	52140.35	504130.6	39164.07
Rrp0387	213038.8	212008.8	199622.5	153496	109694.8	106565.9	208223.4
Rrp0562	63158.99	6832.976	634633.4	56725.44	54800	52892.57	234875.1
Rrp0503	99235.8	90708.75	100951	161926	212713.2	161120.3	96965.18
Rrp0689	134994.1	91355.43	70084.31	18431.94	23112.07	13555.86	98811.28
Rrp0537	160206.3	296972.6	157095.5	324259.3	289186.1	288216	204758.1
Rrp0434	35632.3	27330.88	34076.88	98517.04	93248.85	110263.2	32346.69
Rrp0183	599143.7	739007.3	460173	495040	456408	495296.3	599441.3
Rrp0104	264943.4	316404.9	107470.5	206837.6	104886.8	38730.12	229606.3
Rrp0017	82388.07	89756.81	98807.81	148619.5	179450.2	153102.5	90317.56
Rrp0006	712914.5	793418.7	735423.2	653240	627635.7	703345.5	747252.1
Rrp0180	187797.7	214954	182387.4	285577.6	259822.1	252019.8	195046.4
Rrp0632	367485.2	397852.9	340788.2	481606.2	413721.3	442860.1	368708.8
Rrp0677	11252.67	10741.77	21029.38	70721.03	76958	92419.8	14341.27
Rrp0248	263421.8	317531.7	332453.8	237226.6	201171.6	242048.7	304469.1
Rrp0364	132727	139774	136466.7	204900	183109.7	219676.3	136322.6
Rrp0377	106963.8	58648.02	93529.73	236996.6	96451.26	190278.5	86380.53
Rrp0369	317761.8	333352.8	284708.5	433427.7	382689.6	351030.1	311941
Rrp0707	15125.45	17795.61	15080.25	79153.3	75073.46	76627.45	16000.44
Rrp0252	123210.6	103795.5	98930.13	46447.71	54993.08	39162.71	108645.4
Rrp0365	112154.5	112875.1	160345.6	65775.61	61133.14	62698.95	128458.4
Rrp0724	161906.3	157879.5	125898.8	95493.47	76752.94	89227.21	148561.5

Rrp0570	10898.54	10980.59	11783.1	67956.91	66671.86	66539.6	11220.74
Rrp0211	138934.1	227574.9	239314.8	350563.4	222480.8	282021.2	201941.3
Rrp0666	112066.8	121234.7	85605.34	43216.97	52499.64	50689.7	106302.3
Rrp0136	154115.7	200583.7	166748.4	279421.6	278348	186851.5	173815.9
Rrp0342	9603.752	14434.98	39103.14	77283.25	15132.23	234323.8	21047.29
Rrp0082	248714.7	212093.3	234068.1	186305.3	164456.4	174184.5	231625.4
Rrp0302	326869.8	373227.9	304424.5	453128.6	438422.3	344546.6	334840.7
Rrp0169	411573.1	268762.3	421246.9	523746.1	430021.9	410812	367194.1
Rrp0269	98446.02	140843.6	109378.5	55565.77	65201.18	62578.2	116222.7
Rrp0733	14402.38	14803.34	19381.82	63076.53	65264.21	65846.76	16195.84
Rrp0048	79028.99	105112.2	83837.28	36777.78	43870.38	35557.31	89326.16
Rrp0585	1881467	2051631	2006312	2117717	1751307	1727878	1979803
Rrp0416	14680.37	5126.817	111157.5	102621.4	103670.3	123484.8	43654.89
Rrp0458	83959.33	108834.4	82772.62	46833.99	37000.99	44623.48	91855.44
Rrp0433	83003.25	87935.66	84745.03	35888.49	39527.02	42233.94	85227.98
Rrp0083	14474.06	15246.26	17462.37	293127.4	26107.09	20909.7	15727.56
Rrp0597	40831.47	55123.81	45671.8	48228.53	390133.7	35670.92	47209.03
Rrp0079	108493.2	130695.5	111429.1	75799.59	73812.11	60648.9	116872.6
Rrp0561	21560.09	12749.88	15010.88	44880.74	62731.54	88301.4	16440.28
Rrp0084	51600.37	70893.96	55272.45	88377.21	136436	103459	59255.59
Rrp0427	185172.8	183894.1	172799.9	62023.58	145729.7	154946.5	180622.3
Rrp0575	175589.7	164747.9	153452.5	105273.5	137826.4	115059.4	164596.7
Rrp0775	2246.643	31701.04	20018.12	56016.82	35338.7	119586.5	17988.6
Rrp0608	105322.7	148930.3	147186.1	62480.15	131144.5	44700.36	133813
Rrp0301	50480.2	47772.52	48213.75	83126.72	99122.91	80360.05	48822.16
Rrp0080	45001.79	5262.545	44144.38	77655.28	74712.26	72018.57	31469.57
Rrp0682	759713	807305.7	715733.6	917898.2	774648	792593.5	760917.4
Rrp0135	130619.2	133152.7	154803.5	163270.1	190998.4	184590.8	139525.1
Rrp0774	29564.92	28576.74	28442.45	62486.96	66851.83	61083.35	28861.37
Rrp0064	325033.2	382661.7	296452	414754.9	377458.8	365696.2	334715.7
Rrp0415	2047127	2176245	1680033	2447657	1964306	1882653	1967802
Rrp0194	137348.8	20449.96	121757.1	290346.5	21604.15	203975.1	93185.29
Rrp0005	95072	113505.1	105727	65216.62	68305.82	75666.6	104768
Rrp0178	52660.82	75681.58	42159.42	112365.5	97818.64	76831.1	56833.94
Rrp0544	151824.5	112544	153592.7	189604	274686.5	130855.1	139320.4
Rrp0312	576354.8	556753.7	415588.6	694740.3	249740.6	318445.2	516232.4
Rrp0756	65557.55	65729	63110.44	97514.44	88938.1	100183.5	64799
Rrp0405	464470.7	102878.6	401640.7	205390	248401.6	262401.6	322996.6
Rrp0296	130736.8	104010.4	92217.76	65698.86	76222.76	77902.06	108988.3
Rrp0039	24795.37	23928.71	24485.55	51823.32	61448.53	51304.48	24403.21
Rrp0557	20061.93	14347.38	13141.33	53116.16	49159.06	38737.6	15850.22
Rrp0035	519569.7	475698	513036.6	581364.9	497994.6	563918.3	502768.1
Rrp0612	549169.9	507977.7	481150.7	461147.6	474987.4	480736.6	512766.1
Rrp0276	75754.71	100968.6	109549.8	181835.1	123142.3	110305.4	95424.38
Rrp0250	478801.9	698273	576947.9	668085.7	681110.7	599341.6	584674.3
Rrp0189	457103.7	761797.8	567235.7	938053.2	533704.4	597229.7	595379.1
Rrp0208	335902.3	279586.1	286490.9	235774.5	251531.8	289461.3	300659.8
Rrp0257	467617.2	343042.8	702400.7	444316.2	407722.1	431043.1	504353.6
Rrp0133	685554.1	644973.8	756357	708372.5	743217.2	775916.6	695628.3
Rrp0502	73696.21	51816.59	73614.86	28460.61	52609.3	27151.45	66375.89
Rrp0046	2439334	2357044	2255068	2526740	2339604	2380074	2350482
Rrp0714	7181742	7883724	6761887	8763564	6091457	6376701	7275784
Rrp0157	143072.1	132272.4	89144.41	104020.7	69435.83	86364.91	121496.3

Rrp0403	54759.78	54537.48	54290.55	31962.33	31417.22	31524.98	54529.27
Rrp0739	45534.47	217751.9	15186.1	50549.7	39573.19	22908.28	92824.15
Rrp0354	25621.49	60952.82	20962.03	77566.37	48159.06	71835.59	35845.45
Rrp0394	15528.43	13307.82	16714.1	33699.4	37111.42	37998.47	15183.45
Rrp0263	53674.82	70299.7	77952.18	37236.75	46039.4	44493.07	67308.9
Rrp0350	66963.39	125766.9	56255.2	163817.3	115588.8	88540.88	82995.17
Rrp0492	919813.6	808845.7	153528.5	435265.2	506779.8	625372.6	627395.9
Rrp0718	22747.63	23741.52	29668.73	40459.32	59151.85	44474.72	25385.96
Rrp0762	44066.02	40074.95	47330.12	65782.95	69269.6	59490.54	43823.7
Rrp0271	473093.3	541992.7	432566.9	510086.3	585857.7	485884.9	482550.9
Rrp0145	213205	211542	184834.3	137661.5	166859.3	204767.8	203193.8
Rrp0395	6525.578	9094.435	7109.017	40612.67	18791.89	29650.94	7576.343
Rrp0067	107685.3	139068.4	116755.7	151788.9	132529.2	154949.2	121169.8
Rrp0407	739193.4	719290	654987.4	867623.2	776427.3	637803.4	704490.2
Rrp0553	3244.95	5356.681	11568.85	27089.17	13586.22	51025.88	6723.493
Rrp0260	8399.219	85351.7	87727.49	25071.35	20769.16	34191.89	60492.8
Rrp0004	176219.6	196050.2	129427.8	139876	144821.1	128699	167232.5
Rrp0343	24524.09	6002.041	2870.651	9324.411	84287.87	34094.42	11132.26
Rrp0287	32154	44632.36	35294.04	56635.73	57251.39	54181.62	37360.13
Rrp0013	103953.4	106689	110708.2	126769.6	124686.1	123378.2	107116.9
Rrp0385	2844.043	2798.941	2097.146	15231.3	18674.55	28644.05	2580.044
Rrp0209	86828.2	98271.42	86197.53	124964	101989.7	104904.4	90432.38
Rrp0073	103042.6	87682.61	69843.68	55773.89	70671.88	69723.76	86856.3
Rrp0256	209690.8	213773.3	238482.2	214240.6	170321	203127	220648.8
Rrp0315	15460.36	23451.95	31295.22	36516.56	49189.53	37207.32	23402.51
Rrp0138	28010.82	25535.15	29391.33	13158.29	12468.27	14155.16	27645.76
Rrp0268	63970.78	49199.53	33859.6	37361.12	5476.781	37578.94	49009.97
Rrp0622	12022.38	14362.45	14818.47	37149.04	24210.78	25584.92	13734.44
Rrp0462	25086.55	30269.33	30781.67	19377.4	14226.46	10422.28	28712.52
Rrp0140	1236256	1539759	973722.5	952552.3	1553326	1011511	1249912
Rrp0081	12784.63	14794.32	12822.39	24868.06	28987.71	24985.5	13467.11
Rrp0587	29401.58	24408.9	26626.01	12198.95	16106.36	13845.45	26812.16
Rrp0016	1461091	1498951	1434730	1526295	1451390	1498602	1464924
Rrp0425	3637.521	16020.4	16997.06	23149.82	25931.18	26971.2	12218.33
Rrp0763	26717.35	24472.33	26116.26	11128.51	14213.33	17224.44	25768.65
Rrp0749	42265.89	38617.29	33063.01	45058.28	50522.69	55036.45	37982.07
Rrp0023	306012.9	209417.7	280156.6	237480.4	187193.6	279497.6	265195.7
Rrp0024	80664.85	86902.58	74447.69	79187.58	108292.2	101656.3	80671.71
Rrp0409	502412.4	546968.7	543305.6	504420.2	520440.8	510661.9	530895.6
Rrp0576	17118.45	12519	14905.83	25595.83	29783.37	22773.39	14847.76
Rrp0072	10264240	9415207	7909226	9475990	8801358	8973217	9196224
Rrp0371	130242.8	172448.6	8633.495	118265.2	141598	140522.5	103775
Rrp0657	158002.1	186275.4	150681.9	37702.02	321647.7	20837.19	164986.5
Rrp0539	68859.27	45240.97	50119.89	53839.99	82286.28	72940.22	54740.04
Rrp0500	81987.26	68785.33	64541.95	120646.3	57118.51	93370.76	71771.51
Rrp0494	33967.48	26605.23	22714.48	40670.99	36753.47	35923.09	27762.4
Rrp0767	22012.58	21765.47	16120.78	11489.2	11305.73	10787.8	19966.28
Rrp0286	18222.25	23084.23	18056.46	31727.38	26694.75	26929.15	19787.65
Rrp0601	29163.5	27559.77	264875.2	70094.22	64359.04	82700.2	107199.5
Rrp0599	29015.79	48569.64	30166.78	26405.7	24193.06	23634.06	35917.4
Rrp0093	1275242	1223011	1204668	1464724	1227614	1136109	1234307
Rrp0501	14260.16	19753.03	62704.01	14932.49	14838.12	20031.77	32239.07
Rrp0338	37579.29	37088.73	31755.22	47034.67	44953.78	39732.85	35474.41

Rrp0225	129361	130028.3	171114	164368	176974.8	139149.7	143501.1
Rrp0631	71196.27	70932.81	78815.41	75369.69	63374.61	50413.79	73648.16
Rrp0179	1927.183	16213.94	5733.5	26737.28	8975.212	18410.64	7958.207
Rrp0101	86608.13	96031.55	106731.5	82544.08	104025.5	65929.22	96457.04
Rrp0279	149409.1	150814.5	148452	327835.5	14493.42	7707.698	149558.5
Rrp0167	381654.6	465610.6	372875.6	391274.6	338394.1	421646.2	406713.6
Rrp0054	18335.84	18864.01	17326.79	10762.2	15371.75	10221.56	18175.55
Rrp0411	24947.46	22696.83	20418.08	16296.52	17774.81	16510.83	22687.46
Rrp0292	8750.963	18628.21	8326.66	19946.95	10930.17	31737.86	11901.94
Rrp0389	135851.7	11053.42	11183.25	31071.59	28049.73	36351.13	52696.14
Rrp0550	122273.3	121448.7	133818.6	175405.5	149324.1	100824.2	125846.9
Rrp0605	13254.26	13358.23	10387.86	17592.61	16852.77	17299.04	12333.45
Rrp0520	74160.69	83951.45	96670.8	72654.48	72950.55	82265.95	84927.65
Rrp0704	30170.02	31158.4	34799.79	26401.04	28437.36	25773.31	32042.74
Rrp0424	6438.997	7259.197	46996.7	52819.5	41680.84	7324.904	20231.63
Rrp0012	1097482	1210026	1023671	1193145	1098853	1106292	1110393
Rrp0748	23056.01	36967.37	2857.901	37960.44	27830.43	25070.6	20960.43
Rrp0285	19494.94	22209.32	15293.33	22137.82	25839.25	23818.9	18999.2
Rrp0113	245729.7	202212.5	218794.9	229101.3	119958.2	259306.2	222245.7
Rrp0187	155355.4	123252.8	141880	166382.8	130583.3	90363.93	140162.7
Rrp0215	46181.8	34613.7	19278.22	12353.85	25514.6	36532.56	33357.91
Rrp0086	181095.7	164693.8	249967.4	217154.5	171291.4	168300.4	198585.6
Rrp0057	37927.47	31065.63	30814.6	105723.9	16907.06	18531.82	33269.23
Rrp0206	77484.75	73455.3	58654.45	118567.9	46837.47	77792.4	69864.83
Rrp0336	152586.4	180896.2	139463.6	217292.1	146846.6	145889.9	157648.7
Rrp0571	43190.06	36198.01	46676.75	54028.05	43168.23	44771.89	42021.61
Rrp0496	34643.93	35892.93	36880.39	52936.96	38050.49	33683.57	35805.75
Rrp0442	33934.53	38046.87	32819.32	38735.85	37798.44	37858.83	34933.57
Rrp0007	21897.26	22111.95	21347.96	2717.673	20779.61	24689.78	21785.72
Rrp0341	50359.18	47751.96	70347.76	48147.58	85846.83	57225.04	56152.96
Rrp0156	4266.122	31314.76	5656.925	13728	2843.12	6076.757	13745.93
Rrp0049	466195.7	426305.8	411152.8	513276.7	426858.5	402768.1	434551.4
Rrp0022	40379.86	81034.45	84725.22	57776.3	55265.24	69333.11	68713.18
Rrp0473	31566.57	25716.64	31622.45	37400.72	34242.42	28790.16	29635.22
Rrp0382	12779.5	12646.17	12608.8	14332.5	13982.87	15004.1	12678.16
Rrp0486	7743.616	15344.32	11164.33	11689.57	6888.321	6029.877	11417.42
Rrp0397	11654.04	7178.583	6568.366	7965.564	4913.737	4781.482	8466.997
Rrp0524	34595.18	12079	21460.45	9641.65	26492.51	17276.3	22711.54
Rrp0221	510660.4	553899.4	496677.9	453983.8	605451.7	537013.8	520412.6
Rrp0723	52309.21	142662.8	111762.3	96375.82	113327.4	70071.25	102244.8
Rrp0037	158217.9	144309.6	121514.3	192346.1	103169.8	101945	141347.3
Rrp0401	14875.9	14560.31	14710.05	11456.25	11053.81	14913.08	14715.42
Rrp0362	15515.97	14165.28	11533.92	10076.88	10945.11	13105.77	13738.39
Rrp0560	6815.611	3417.51	4059.673	16179.48	2918.327	5868.13	4764.265
Rrp0393	22798.84	28432.16	33046	28627.71	30015.27	34963.41	28092.33
Rrp0325	19411.77	14835.85	99149.21	134029.4	19087.29	16922.61	44465.61
Rrp0128	104207.3	103749.6	101003.9	127654.6	94801.53	102009.4	102986.9
Rrp0463	543075.4	486195.4	452933	461549.7	478770.3	567481.1	494067.9
Rrp0468	22838.93	20268.66	26665.74	12299.56	18271.47	28364.96	23257.78
Rrp0043	441366	44380.66	43559.5	234644	20588.59	220984.2	176435.4
Rrp0769	25958.99	27553.35	24902.5	24171.23	29163.22	18187.96	26138.28
Rrp0588	3050776	3514658	2802401	3098178	3149580	3060656	3122612
Rrp0353	1080.86	636.525	2121.958	4050.8	1359.811	2181.14	1279.781

Rrp0284	95177.41	117501.1	84902.32	106091.7	89256.98	112070.5	99193.62
Rrp0146	96492.23	111584.4	98172.72	134256	147911.7	10062.82	102083.1
Rrp0604	18493.27	12085.06	19255.41	13413.62	14952.9	16460.5	16611.25
Rrp0776	16078.15	14779.47	18175.39	14452.46	14048.55	16811.86	16344.34
Rrp0314	23636.32	50862.19	48444.13	28669.34	63796.76	20629.83	40980.88
Rrp0435	13114.83	23098.93	12271.96	5659.962	22824.78	13325.08	16161.91
Rrp0056	27125.94	27688.18	25102.95	26195.95	28091.48	28434.37	26639.02
Rrp0729	48080.94	7544.697	49428.22	35103.94	36630.1	24326.84	35017.95
Rrp0224	24148.24	19938.78	21115.26	10629.69	9626.516	36024.51	21734.09
Rrp0360	17241.01	21029.69	10582.22	14684.75	13687.37	16222.27	16284.31
Rrp0430	29141.15	94675.9	70088.87	55070.09	95566.68	53815.94	64635.31
Rrp0616	210200	215774.9	205350.2	215458.7	213223.3	198484	210441.7
Rrp0357	2287071	227972.5	137539	2335093	307918.3	144121.8	884194.3
Rrp0295	8285.525	2056.534	23752.17	8948.707	18321.83	12304.02	11364.74
Rrp0398	44978.17	43557.67	44287.82	44532.82	43915.24	42916.22	44274.55
Rrp0693	171687.9	15680.29	94045.17	114377.3	87236.83	93199.95	93804.45
Rrp0506	16058.54	2746.378	963.2025	5605.825	9264.495	8390.718	6589.374
Rrp0372	14829.28	14904.66	16699.97	17997.59	12015.9	14432.27	15477.97
Rrp0700	40143.92	33397.07	18177.05	43101	16471.07	27548.92	30572.68
Rrp0374	69313.6	79725.99	29297.58	67631.34	87124.56	32542.89	59445.72
Rrp0118	215836.3	214270.3	21725.92	366572.8	42116.95	36310.2	150610.8
Rrp0144	54349.05	46780.11	40345.1	118972.4	16068.34	15907.73	47158.09
Rrp0375	10519.06	19873.32	15853.66	11310.64	15524.07	17037.58	15415.35
Rrp0370	772466.7	892298.6	765745.2	828140.5	844110.2	766490.7	810170.2
Rrp0120	749401.9	520928.8	442021.8	912129	553547.8	261125.7	570784.2
Rrp0335	14803.83	11562.88	10941.47	14280.9	13041.14	11023.14	12436.06
Rrp0291	8519.708	14514.22	25864.95	18244.58	13626.22	18009.44	16299.63
Rrp0487	12853.65	13346.84	13948	10690.79	14567.56	14724.86	13382.83
Rrp0089	11887.01	15697.48	17246.35	13521.3	15767.25	15497.26	14943.61

case	meanlog2FoldCh	Pvalue	padj	vip
1.62E+08	-2.24758	0.000106	0.000925	6.364541
7.7E+08	-0.80688	2.51E-05	0.00046	6.21593
7.97E+08	-0.77081	8.84E-05	0.000827	6.13789
7.6E+08	-0.78806	0.000154	0.001134	6.074492
7.82E+08	-0.7229	3.18E-05	0.000482	5.835124
76710657	-2.60107	7.45E-05	0.000768	5.085209
70719697	-2.58969	2.56E-07	3.23E-05	4.879561
9.04E+08	-0.47654	0.001046	0.00425	4.816846
8.96E+08	-0.46556	6.61E-05	0.00071	4.776994
8.34E+08	0.659036	0.000313	0.00184	4.481758
9.29E+08	-0.35085	0.000319	0.00185	4.117427
8.14E+08	0.431988	0.003276	0.010335	3.676809
2.2E+08	1.526766	5.57E-05	0.000657	3.086916
2.05E+08	1.62461	1.15E-05	0.000336	3.035505
1.48E+08	-0.87276	0.000183	0.00125	2.861128
8.81E+08	-0.17639	0.012343	0.026867	2.640331
1.23E+08	2.727255	0.000216	0.001435	2.618801
7.52E+08	-0.19014	0.004472	0.012688	2.599741
1.16E+09	0.142254	0.022502	0.044738	2.541854
18365406	-2.63192	0.00044	0.002341	2.508392
8.79E+08	-0.12545	0.011451	0.025034	2.200757
84352248	2.757561	1.35E-05	0.00034	2.18838
2.12E+08	0.570587	0.003315	0.010335	2.1095
2.4E+08	-0.36975	0.006831	0.017423	2.09914
1.97E+08	0.638897	0.009333	0.021522	2.093866
43692937	-1.29092	5.60E-05	0.000657	2.054289
1.38E+08	-0.55759	0.008277	0.019904	2.016243
43462642	-1.20511	0.000399	0.002167	1.938287
8608521	-2.87584	6.54E-06	0.000254	1.911234
2.02E+08	0.447251	0.007566	0.018729	1.825301
8.98E+08	0.083017	0.000917	0.003881	1.807742
8.65E+08	0.093529	0.021423	0.043101	1.784346
1.49E+08	-0.45974	0.049404	0.083722	1.73386
2.79E+08	0.283981	0.023698	0.046386	1.693922
46616820	2.400952	0.000383	0.002139	1.571971
28782668	-1.18235	0.000605	0.002923	1.549418
14783058	-1.77101	0.000501	0.002531	1.532205
1.76E+08	0.340044	0.025134	0.048261	1.446973
38940661	1.247045	0.000476	0.002454	1.216658
1.59E+08	0.233242	0.02951	0.054861	1.159785
20406165	2.605942	1.59E-06	0.0001	1.06889
8740744	-1.5385	0.000145	0.00111	1.052752
1.9E+08	-0.16645	0.14159	0.210302	1.029442
1.47E+08	0.244287	0.181282	0.25788	0.983795
58361930	0.44372	0.007821	0.019174	0.975582
1267661	-3.55565	5.19E-06	0.000219	0.95497
17798648	2.374784	0.005399	0.014658	0.945655
11456805	-1.09619	6.14E-05	0.000689	0.93137
20333321	1.494598	0.000244	0.001519	0.929906
1.44E+08	0.142113	0.007995	0.01941	0.921626
19066342	1.360986	0.000109	0.000932	0.879459
15102951	1.716955	0.000157	0.001134	0.833049

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

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

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

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

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

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

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

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

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

row	Z-L-1	Z-L-2	Z-L-3	H-L-1	H-L-2	H-L-3	control_me:
Rrp0530	1.74E+09	1.7E+09	1.72E+09	2.11E+08	2.14E+08	1.9E+08	1.72E+09
Rrp0549	1.28E+09	1.3E+09	1.28E+09	1.59E+08	1.27E+08	1.31E+08	1.29E+09
Rrp0692	8.17E+08	9.1E+08	8.98E+08	97203366	1.16E+08	97016756	8.75E+08
Rrp0527	1.05E+09	1.06E+09	1.09E+09	4.83E+08	4.91E+08	3.61E+08	1.07E+09
Rrp0529	1.01E+09	1.06E+09	1.06E+09	5.03E+08	4.32E+08	4.49E+08	1.04E+09
Rrp0680	1.32E+09	1.36E+09	1.32E+09	8.1E+08	8.16E+08	8.21E+08	1.34E+09
Rrp0669	1.33E+09	1.32E+09	1.34E+09	8.14E+08	8.15E+08	8.1E+08	1.33E+09
Rrp0679	1.28E+09	1.29E+09	1.3E+09	8.09E+08	7.98E+08	7.65E+08	1.29E+09
Rrp0686	1.25E+09	1.27E+09	1.29E+09	7.76E+08	7.75E+08	7.89E+08	1.27E+09
Rrp0668	1.3E+09	1.21E+09	1.25E+09	8.09E+08	7.6E+08	8.27E+08	1.25E+09
Rrp0681	1.27E+09	1.28E+09	1.27E+09	8.33E+08	8.16E+08	8.43E+08	1.27E+09
Rrp0651	1.25E+08	1.45E+08	1.46E+08	4.63E+08	5.18E+08	4.92E+08	1.38E+08
Rrp0655	3.49E+08	3.84E+08	3.96E+08	80419264	79508270	77403264	3.76E+08
Rrp0654	3.52E+08	3.77E+08	3.96E+08	78461266	86643158	69845712	3.75E+08
Rrp0564	2.95E+08	3E+08	3.29E+08	25014097	25111223	25370085	3.08E+08
Rrp0673	1.98E+08	2.03E+08	2.06E+08	15784716	16198369	15502624	2.02E+08
Rrp0664	3.17E+08	3.35E+08	3.18E+08	1.5E+08	1.59E+08	1.51E+08	3.23E+08
Rrp0538	9.86E+08	9.9E+08	1E+09	1.14E+09	1.15E+09	1.14E+09	9.93E+08
Rrp0188	7.31E+08	7.4E+08	7.54E+08	6.11E+08	6.15E+08	6.11E+08	7.42E+08
Rrp0546	1.39E+09	1.4E+09	1.36E+09	1.57E+09	1.49E+09	1.5E+09	1.38E+09
Rrp0547	1.29E+09	1.41E+09	1.4E+09	1.51E+09	9.89E+08	9.28E+08	1.37E+09
Rrp0509	1.31E+08	1.45E+08	1.47E+08	31037726	29412056	29260421	1.41E+08
Rrp0684	73224487	78453762	80504215	1.93E+08	1.96E+08	1.76E+08	77394155
Rrp0386	1.55E+08	1.53E+08	1.54E+08	2.64E+08	2.65E+08	2.5E+08	1.54E+08
Rrp0674	69206139	70522504	68170387	1.73E+08	1.57E+08	1.51E+08	69299677
Rrp0438	87077851	97590268	89675345	1.87E+08	1.95E+08	1.64E+08	91447821
Rrp0511	22740946	31144485	28707462	1.21E+08	1.24E+08	1.05E+08	27530964
Rrp0670	73091991	81195738	1.04E+08	1.85E+08	1.77E+08	1.68E+08	85945904
Rrp0514	18051482	25486680	33278253	1.15E+08	1.14E+08	1.06E+08	25605472
Rrp0305	6102529	4978351	4264991	98884090	84578319	81140179	5115290
Rrp0528	2.69E+08	2.89E+08	2.8E+08	2.07E+08	2E+08	1.82E+08	2.79E+08
Rrp0359	9.6E+08	9.84E+08	9.77E+08	8.92E+08	8.97E+08	9.05E+08	9.74E+08
Rrp0361	9.62E+08	9.61E+08	9.53E+08	8.64E+08	9.05E+08	8.71E+08	9.59E+08
Rrp0228	1.64E+08	1.59E+08	1.59E+08	91848158	93433629	81443856	1.61E+08
Rrp0440	1.1E+08	1.21E+08	98180039	1.68E+08	2.04E+08	1.74E+08	1.09E+08
Rrp0455	1.19E+08	1.1E+08	1.05E+08	45405018	44589550	45959008	1.12E+08
Rrp0582	2.96E+08	3.4E+08	3.4E+08	4.09E+08	4.18E+08	3.67E+08	3.25E+08
Rrp0522	5.31E+08	5.34E+08	5.46E+08	5.97E+08	5.98E+08	6.02E+08	5.37E+08
Rrp0456	1.12E+08	1.02E+08	93679163	46933473	40486658	44692475	1.02E+08
Rrp0368	59393415	58343810	66174157	8867175	8838089	7855455	61303794
Rrp0165	8.52E+08	9.13E+08	9.42E+08	8.67E+08	8.39E+08	7.96E+08	9.02E+08
Rrp0366	82674353	94445754	90170820	1.42E+08	1.42E+08	1.29E+08	89096976
Rrp0678	5755486	5558342	5522543	52607278	50919409	54186717	5612123
Rrp0701	45803106	56484617	57655797	6130318	6346403	6286540	53314507
Rrp0568	50507579	57883028	57722499	15485463	11724541	13988526	55371035
Rrp0544	40293979	40125716	39705192	692298.8	866937.6	711541.3	40041629
Rrp0643	10671860	11966285	12200893	48853974	48701730	50734789	11613013
Rrp0672	3727708	4137288	4479459	47779075	41434576	36777669	4114818
Rrp0645	82163930	86205230	87289531	48730840	51099217	48726424	85219564
Rrp0600	13580625	14652148	14045010	42661736	42762380	40517559	14092595
Rrp0293	14757551	16683161	17106596	45116227	38904265	39631349	16182436
Rrp0383	8.64E+08	8.45E+08	8.32E+08	8.82E+08	8.59E+08	8.97E+08	8.47E+08

Rrp0339	39465530	34228292	41558408	64028158	64017400	60902700	38417410
Rrp0569	47709708	55959161	61120600	31508804	30125297	29077923	54929823
Rrp0598	14767357	15549331	14584781	36692855	39347997	37735540	14967156
Rrp0690	4588008	4883379	5028547	22042652	26218541	27669094	4833312
Rrp0513	35684203	34085319	32244635	15244061	14766579	13331443	34004719
Rrp0665	39802409	39637464	43434909	22173310	22630400	23567291	40958261
Rrp0102	29099352	30659236	30794185	48019616	46671248	48168240	30184258
Rrp0055	80766992	90644980	91581591	1.08E+08	1.09E+08	99560645	87664521
Rrp0148	34647030	31861169	38188571	20343034	19898647	16408796	34898923
Rrp0090	89118619	85555329	84772923	97393175	1.04E+08	1.04E+08	86482290
Rrp0583	14395738	16561375	17125457	1584469	1543443	1687637	16027523
Rrp0676	1942108	1879275	1719394	14632824	17569994	16363062	1846926
Rrp0565	50099161	46543187	5058598	12507158	12341644	11190126	33900316
Rrp0197	18092319	18827937	18314178	5623605	5379007	5643713	18411478
Rrp0532	170120.1	4083051	4008434	15206416	16381759	16142781	2753868
Rrp0508	20976333	32464480	25584437	11866528	12723537	11950669	26341750
Rrp0328	699264.6	711661.8	668475.4	13099140	13100286	12640214	693133.9
Rrp0581	11845331	13130920	14842824	1318923	1529280	1375441	13273025
Rrp0531	4406101	3567468	4352927	14907660	16275005	15522889	4108832
Rrp0321	10206311	10434984	9427750	20427255	19957273	19254791	10023015
Rrp0644	42540459	50385484	49018197	36665067	36335799	37197700	47314713
Rrp0545	12041329	14588059	16396884	24013020	25951746	21952698	14342090
Rrp0464	5876862	5917705	4285264	10355088	15017356	13729962	5359944
Rrp0223	58036297	56448743	55501698	69375898	60655899	64510742	56662246
Rrp0640	1197276	1427329	958442.2	7681795	8069417	7530106	1194349
Rrp0661	9355389	10133321	9848891	4239751	3407142	3198447	9779200
Rrp0441	5666052	8315154	6299783	13653075	13680240	11968362	6760330
Rrp0515	74628584	83922342	80863097	94156322	94065693	79329350	79804674
Rrp0683	440069.5	331787.8	564283.8	6849455	6499278	5879827	445380.4
Rrp0406	316700.7	345846.6	477697.7	6178431	6467901	6041735	380081.7
Rrp0493	6564099	8199303	7466265	13200817	17877692	11065922	7409889
Rrp0112	16807317	23903100	23938772	32067123	28360778	25910446	21549730
Rrp0098	21777404	24468732	22080352	17289991	16860854	17421326	22775496
Rrp0567	293542.9	200823	267515.4	5278561	5747797	5228906	253960.4
Rrp0096	20435786	22206058	20855619	16500457	15630918	15733300	21165821
Rrp0541	425793.8	611944.4	503953.1	7343849	4936762	5116863	513897.1
Rrp0516	4103584	4446916	4177433	8352244	9421543	8906053	4242644
Rrp0755	2711869	2885858	2330911	8877642	7301782	6230345	2642879
Rrp0720	3611466	4166345	4663469	8761128	9647334	8158899	4147093
Rrp0309	1696980	1640637	2276081	6636492	6911052	5931102	1871232
Rrp0696	7089595	6794466	6605324	10895549	11932746	11492413	6829795
Rrp0160	4247375	5697797	5363859	570357.3	681938.5	507381.7	5103010
Rrp0429	7989820	8263942	8718281	3934331	3886937	3973147	8324014
Rrp0047	1668911	1972334	2018379	6422269	5882795	5618309	1886541
Rrp0100	522332.8	552913.7	587677.4	4658530	4702145	4193934	554308
Rrp0392	18080323	16591123	16220556	20772810	22466655	20188804	16964001
Rrp0652	1.99E+08	2.31E+08	2.25E+08	2.01E+08	2.35E+08	1.84E+08	2.18E+08
Rrp0303	686906	742672.2	761951.4	4747808	4758655	3961602	730509.9
Rrp0319	14540124	16888601	15312856	19895745	19946572	18617421	15580527
Rrp0477	2459852	2558411	3509005	7051444	5812987	6870263	2842422
Rrp0641	1516751	1577811	1661763	5039491	5337891	4908679	1585442
Rrp0489	15730200	19575773	19095496	22807133	23514361	20799327	18133823
Rrp0318	14614932	16774580	15989491	20167627	20112694	18498324	15793001

Rrp0650	7196535	9360795	11220646	5077265	5968335	4672698	9259325
Rrp0327	153195	143375.2	239896.9	3683478	3982684	3293474	178822.4
Rrp0480	11368809	11196594	11620877	15586665	15942133	13690746	11395427
Rrp0688	5670558	6687301	6159503	9735792	9268685	9845500	6172454
Rrp0658	3627322	3749924	4134485	7790286	6854871	7100387	3837243
Rrp0333	1.28E+08	1.41E+08	1.41E+08	1.43E+08	1.42E+08	1.45E+08	1.37E+08
Rrp0306	4423204	4353369	4271302	7614698	7759934	7513118	4349292
Rrp0626	1765063	2055119	2001946	5017137	5438155	4985554	1940709
Rrp0754	7811654	9104550	8134889	11406317	11702128	11808257	8350364
Rrp0181	3109090	4551991	4669942	887778.9	871907.5	774271	4110341
Rrp0317	15367345	16466512	16410811	19470887	20481675	18363048	16081556
Rrp0229	6406671	6609364	6622652	3613357	3614698	3065418	6546229
Rrp0363	330632.2	267672.6	208864.4	3073923	3526783	3071980	269056.4
Rrp0174	176902.1	325495.4	283897.4	2975544	3783630	2982960	262098.3
Rrp0606	18201926	22712002	22408127	27646610	26938729	21741303	21107352
Rrp0008	17117981	17224934	17091811	13596497	13633276	15181816	17144909
Rrp0415	3435696	3885291	3756545	6495937	7128037	6161097	3692510
Rrp0278	4953059	5538333	5568997	2823890	2578001	2399627	5353463
Rrp0190	449566.7	6491614	6499650	8836086	8335033	7690181	4480277
Rrp0402	2522434	2551327	3208686	5000297	6247977	5145708	2760816
Rrp0510	22904376	24273521	25832995	26635145	28197336	27117101	24336964
Rrp0466	10260874	9814486	10698622	7974477	7991723	7523350	10257994
Rrp0662	2025607	2127989	2696321	4710654	5126297	4154688	2283306
Rrp0242	120279.8	133890.7	112863.8	2257552	2323928	2403647	122344.8
Rrp0685	29336330	29599802	37518227	25313981	30591455	28837098	32151453
Rrp0251	2127863	3144316	2900337	789259.3	762235.6	338322.9	2724172
Rrp0467	9398400	10626181	10665102	8385963	8534859	7029133	10229894
Rrp0185	1159923	1123997	1210467	3140846	3206191	2957432	1164796
Rrp0667	312746.3	417585.9	311289.2	2390833	2344042	2078061	347207.1
Rrp0026	8543237	9340964	9162555	11190251	11176595	10655389	9015585
Rrp0490	4919080	5248395	5396645	3507622	3229789	3047663	5188040
Rrp0419	4397215	6788485	4579964	1771733	4518397	1737691	5255221
Rrp0436	722226.8	818261	859345.4	3539594	2953394	1999265	799944.4
Rrp0610	7573640	7197007	7126245	5624220	5553371	4975485	7298964
Rrp0377	19956.24	166627.1	517283.1	1247664	503455.1	8845646	234622.1
Rrp0697	6189337	7046788	7285585	8528562	8531746	8897599	6840570
Rrp0191	5748839	5427767	5975870	7816031	8624634	6523204	5717492
Rrp0554	33065477	39517667	37161752	488237	49444769	39002158	36581632
Rrp0764	756814.7	1019280	1077065	2374146	2514252	2588728	951053.5
Rrp0746	1486358	1729704	1865713	186457.1	183399.6	128732	1693925
Rrp0492	6609391	1135067	987611.5	2564641	2861332	14874338	2910690
Rrp0588	1288260	1549005	1643737	2936841	3144669	2943679	1493667
Rrp0589	1353490	1539509	1526729	2871163	3016153	2854323	1473243
Rrp0103	21594257	23706475	23823908	24413030	25358366	24894101	23041547
Rrp0540	1790140	1184062	1438377	75243.35	18949.99	26128.96	1470860
Rrp0087	16948397	20275776	18820785	23104618	18530246	21417940	18681653
Rrp0349	8108462	10518720	1097522	4378919	5358321	627198.6	6574901
Rrp0753	5954278	5215015	5490674	6768669	7771398	6638027	5553322
Rrp0357	129181.3	1454441	402111.7	2203216	2249737	1974386	661911.2
Rrp0714	4277452	4546825	4810241	6568109	5739912	5457843	4544839
Rrp0384	8.34E+08	8.23E+08	8.21E+08	8.44E+08	8.42E+08	8.08E+08	8.26E+08
Rrp0649	1133255	2141414	2197261	13028120	985275.7	1092869	1823977
Rrp0302	544314.9	497984.3	428841.8	1691596	1752458	1501544	490380.3

Rrp0465	3075652	3845145	3887591	5013611	4751382	4797492	3602796
Rrp0345	10119356	11738027	12071777	13113592	14150521	11703262	11309720
Rrp0647	738224.7	737653.3	767870.8	1801851	1935393	1765799	747916.3
Rrp0420	10279425	7439819	9285663	10047323	10644839	11133199	9001636
Rrp0481	12450930	12852290	13336525	14720846	14495578	13365283	12879915
Rrp0657	555404.6	594827.9	494417.8	1501344	1763948	1448515	548216.7
Rrp0311	186602.1	2683674	2382793	682934	155728	50746.41	1751023
Rrp0070	1789752	1829116	1831895	2791035	2747649	2861723	1816921
Rrp0031	4966174	5023623	5060460	4059254	4148711	3882633	5016752
Rrp0617	729356.4	872716.6	894942.8	1732481	2033147	1607250	832338.6
Rrp0404	2504055	2769390	2578718	3699676	3377971	3627877	2617388
Rrp0011	93753455	1.03E+08	99644722	1.07E+08	1.03E+08	95768530	98884266
Rrp0742	1371779	1260467	1144744	303642.5	371314.9	418853	1258996
Rrp0079	166163.4	222467.6	162089.3	1547904	1134455	758030.7	183573.4
Rrp0648	2553100	2980392	2544162	1794040	1910562	1633645	2692551
Rrp0743	429063.1	423554.5	256754.1	1118416	1282614	1195803	369790.6
Rrp0381	3885803	4094127	3285803	2865121	3033598	2469057	3755244
Rrp0597	31928.21	26968.56	19381.95	952186.5	765903.8	794585.4	26092.91
Rrp0504	813708	482168	785767.3	1859822	1780945	1098547	693881.1
Rrp0265	1298007	1162247	1230555	405268.8	550775.6	424333.5	1230270
Rrp0691	1149635	1515500	1383057	640140.8	594962.4	438354.5	1349397
Rrp0599	31938.68	35840.52	37440.39	908646.3	723887.3	748568.5	35073.2
Rrp0519	1053884	1175552	1008656	1890984	1897554	1729228	1079364
Rrp0119	6897360	6796397	7305477	8317624	8433681	7159032	6999744
Rrp0390	1151818	1027417	1071517	1817176	1802105	1800787	1083584
Rrp0354	568447.5	736163	951333	66899.55	55123.1	73385.26	751981.2
Rrp0682	746776.6	812425.4	934341.8	1643569	1500817	1347034	831181.3
Rrp0150	470459.4	435055.6	527088	1106417	1199830	1044857	477534.3
Rrp0548	3013113	3146567	3380843	3688538	3887405	3955810	3180174
Rrp0238	57916.2	4530982	63900.8	145965.9	201922	54890.27	1550933
Rrp0164	1634823	1691325	1751397	1143907	1074896	1013426	1692515
Rrp0642	411412.6	445372.9	423972.9	1071420	1097086	940173.9	426919.5
Rrp0747	225839.2	209635.8	221909.1	762142.7	718520	919135.6	219128
Rrp0147	475968	585287.7	583139.8	1217547	1073411	1080400	548131.8
Rrp0370	1462822	1537334	1433564	1010593	903498.4	796370.5	1477907
Rrp0014	2.02E+08	2.21E+08	2.22E+08	2.22E+08	2.24E+08	2.08E+08	2.15E+08
Rrp0542	1537598	1602291	1573680	979792.5	1110030	958980	1571190
Rrp0607	901895.5	1073536	1131836	1634950	1673480	1501109	1035756
Rrp0088	1797379	2428678	2128263	1489271	1381682	1620010	2118106
Rrp0072	4763262	5587003	6274131	6070221	6782235	6180939	5541465
Rrp0561	42017.1	52187.66	45385.76	523637.5	519373.1	516368.4	46530.17
Rrp0288	465779.8	493862	492102.4	1011729	973421.9	887983.8	483914.7
Rrp0332	833363.1	886006.7	964825.2	1678065	1539887	1099147	894731.7
Rrp0097	1070403	1114296	1182507	1695348	1641220	1435345	1122402
Rrp0675	838429.9	836346.2	807388.2	389093.5	403493.9	373256	827388.1
Rrp0566	491242	449785.2	403125.9	863209.3	895844.5	887486.7	448051
Rrp0192	5553773	5329014	5558349	5770949	5943578	6271709	5480379
Rrp0463	201488.1	280130.3	239096.7	611480.8	717631.1	672335.8	240238.4
Rrp0213	657615.3	717652.2	693971.7	243359.3	314285.5	240028.2	689746.4
Rrp0280	413249.9	516776.2	490370.7	57365.13	44249.59	51742.9	473465.6
Rrp0042	908061.5	846238.3	739023	452091.2	387682.2	385708.9	831107.6
Rrp0408	169059.9	436713.8	433607.2	848985.7	829093	689747	346460.3
Rrp0107	1898208	2264218	2115264	2720829	2561273	2392175	2092564

Rrp0312	907495.3	985943.2	60629.25	83297	134857.4	18772.06	651355.9
Rrp0115	291551.7	279151.1	328070.6	714885.1	709692.7	635158.1	299591.1
Rrp0759	440885.7	518676.9	485551.3	91459.87	92447.38	109463.8	481704.6
Rrp0171	2957959	3325620	3328573	2814313	2795028	2685605	3204051
Rrp0189	420588.5	452634	566210.6	905569.9	827699.3	864605.6	479811
Rrp0431	1862052	2263106	2342711	2657959	2826556	2364222	2155956
Rrp0474	2087938	2213300	2626783	2931796	2911761	2480132	2309340
Rrp0122	17036311	19260181	19782832	18190674	18625971	16677987	18693108
Rrp0117	517016.1	673142.1	607573.8	331551.5	41363.51	305677.1	599244
Rrp0193	22895.37	10935.34	54258.69	355077.7	368243.5	348927.5	29363.13
Rrp0158	3114055	3241598	3168470	2937091	2677502	2842467	3174708
Rrp0351	1288374	635282.6	251861.9	53021.13	280749.8	298759.7	725172.8
Rrp0534	198759.4	221231.6	249918.1	523431.6	554075.7	556312.6	223303.1
Rrp0270	559790	515773.9	545786.1	942557.3	817199.9	837610.8	540450
Rrp0358	1566448	1848107	1778614	2823754	2114732	1773995	1731056
Rrp0205	1352600	1516371	1551632	1165819	1150380	1104853	1473535
Rrp0585	949606.4	1111937	1043478	1485122	1503181	1192101	1035007
Rrp0040	777721.4	697636.4	660168.2	432166.5	397046.8	384326.5	711842
Rrp0016	1491102	1613209	1499640	1852522	1861082	1804497	1534651
Rrp0046	1433699	1617576	1979936	1975761	2021872	2202100	1677070
Rrp0219	140476.1	262966	215714.4	452715.9	779017.5	411177	206385.5
Rrp0289	187732.6	210783.7	197750.3	567050	505299.2	394214.4	198755.5
Rrp0630	320449.1	3052001	415107	516500.7	568939.3	529612.7	1262519
Rrp0120	490440.3	804076.1	849720.4	159169.8	623777.2	229968.1	714745.6
Rrp0616	105970.4	138800.3	122054.8	407530.4	363528.7	367336.2	122275.2
Rrp0512	22500946	22948493	24036850	24448794	24072672	22806265	23162096
Rrp0367	511353.6	517576.6	546269.4	312111.2	289281.8	233620.2	525066.5
Rrp0019	606513.4	720175.5	667387	427871.1	414463.4	410208.2	664692
Rrp0407	510715	539547.7	486938.3	760846.6	789287.9	700968.8	512400.3
Rrp0612	636531.8	627784.7	641608.3	414244.3	386916.2	409377.3	635308.3
Rrp0369	221888.1	253618.7	264409.9	514445.4	476469.9	449129.6	246638.9
Rrp0410	1223594	1212489	1515057	1554182	1985131	1436695	1317047
Rrp0752	2179355	3594190	179591.7	1201762	1344288	1322279	1984379
Rrp0517	10840775	9682923	10261604	11138406	10356447	10601476	10261767
Rrp0093	1374596	1549291	1706648	1923508	1826730	1695139	1543511
Rrp0482	344364.6	333233.8	300713.6	554261	654844.9	449170.9	326104
Rrp0470	59892.09	54879.77	53108.87	202580.5	253296.7	342443.2	55960.24
Rrp0208	353820.3	436679.5	271221.6	151021.8	146292.1	127497	353907.2
Rrp0659	609682.3	888525	863128	569521.9	513961.1	561292.1	787111.7
Rrp0709	447905.6	470604.3	570376.9	312099.6	274082.5	295257.8	496295.6
Rrp0452	977102.8	1119623	1056902	902106.1	847748.2	784248.8	1051209
Rrp0218	285493.5	360029	392396.2	137073	111624.8	203647.6	345972.9
Rrp0075	1724864	1480730	1562825	1433448	1400689	1242594	1589473
Rrp0409	297560.1	236759.3	325057.5	518025.9	488660.9	423038.4	286458.9
Rrp0748	75754.6	56562.67	136709.5	291235.7	265711.4	262033.2	89675.58
Rrp0038	1182636	1379035	1466193	1476955	1657591	1587005	1342621
Rrp0183	678835.4	567469.6	627066.6	498244.2	411042.9	384691.3	624457.2
Rrp0388	283853.6	323090	277663.6	453282.1	478220.1	462519.4	294869.1
Rrp0476	383203	593567.5	519227.3	283695.7	338038.5	289626.6	498665.9
Rrp0558	320309.6	353896.6	352672.6	191875.3	167634.4	186058.2	342292.9
Rrp0281	874117.3	952230.3	960443.3	784194.7	795359.3	660914.9	928930.3
Rrp0500	276566.2	281960.8	284940.6	95785.87	145447.1	131203.4	281155.8
Rrp0760	374264.2	418542.2	402767	41930.93	414253.6	57514.73	398524.5

Rrp0348	223664.6	110287.2	22592.5	284024.2	262393	334892.3	118848.1
Rrp0725	324252.3	338754.5	273776.8	467200.5	472039.7	432899.4	312261.2
Rrp0371	297139.9	318276.3	271252.9	159177.8	128742.2	168858.4	295556.4
Rrp0633	218622.5	284618.6	26822.82	363557.4	371085.9	324390.6	176688
Rrp0422	1017769	1432583	1454984	1739577	1310640	1593084	1301779
Rrp0062	1758081	2212413	2166351	2392477	2313669	2119429	2045615
Rrp0060	2489158	2919105	2679760	3121670	3115219	2600963	2696008
Rrp0543	54062.08	41467.51	30422.71	602281.3	119080.4	74371.84	41984.1
Rrp0704	27993.89	20490.03	33339.05	166695.3	136392.2	150384.7	27274.32
Rrp0603	13125.89	10581.17	11865.16	138081.7	137230.5	126132.3	11857.41
Rrp0762	59089.96	53035.04	53038.4	193874.2	179570.3	157715.4	55054.47
Rrp0417	2115965	2063662	1805706	2397581	2048150	2149291	1995111
Rrp0049	403772	505881.1	501001	630294.1	684451.2	530800.4	470218.1
Rrp0426	845933.9	1020405	1025511	990448.8	1138490	1299374	963950
Rrp0707	52225.22	47983.77	41960.23	162466.2	155509.3	158896.3	47389.74
Rrp0374	51433.35	141684.4	145958.4	89043.22	114340	930136.2	113025.4
Rrp0405	443861.3	559017.8	533267.4	371409.6	375309.2	412968.5	512048.9
Rrp0257	450910.5	382440.3	349735.7	551515.1	521102.9	482379.3	394362.2
Rrp0724	285686.7	255574.7	305131.6	178876.8	168971.6	171555.4	282131
Rrp0211	272900.8	258424.5	280393.3	370959.7	469935.6	340863.9	270572.8
Rrp0104	63961.38	10581.24	157456.4	189426.8	219729	204134.6	77333
Rrp0053	524310.8	566576.8	540875.6	814802.9	799926.4	499205.2	543921.1
Rrp0330	211100.2	200453.4	235945.5	98308.66	118376.6	126492.4	215833
Rrp0076	283914.9	332935.7	317429.3	235128.2	209557.5	178873.7	311426.6
Rrp0503	132637.5	150654.6	126187.8	259191.2	296765.6	184231.8	136493.3
Rrp0614	524423.2	618525.4	580830.1	680049.8	692986.5	669353.5	574592.9
Rrp0611	683543	864059.5	754071.1	662686	650180.3	630837.6	767224.5
Rrp0718	18214.27	30202.64	23246.16	100662.7	148493.5	103315.7	23887.69
Rrp0108	637715.7	682607.2	660868.3	581212.2	561158.7	563681.2	660397.1
Rrp0194	154239.3	24192.27	197219.3	243143.6	349828.9	173522.4	125217
Rrp0364	196584.2	180860.7	203466.9	267372.3	284839.5	291308.6	193637.2
Rrp0632	382639.9	380909.2	351284.6	452017.6	484834.8	446693.2	371611.2
Rrp0082	317703.1	241104.4	264611.5	185583.3	163460	188375.8	274473
Rrp0073	71050.79	1038816	73007.54	188639.7	156199.5	124925.6	394291.6
Rrp0608	222151.1	202299.4	243224.6	127031.9	171383.3	90114.58	222558.4
Rrp0169	419184.6	343667.9	317276.1	251711.1	271940.9	267823.3	360042.9
Rrp0036	1737485	2105169	1943146	1861023	1750204	1754549	1928600
Rrp0577	1217814	1107505	1130432	1144790	1315139	1338407	1151917
Rrp0775	20940.43	8212.189	36331.7	18864.12	192998.1	166455.2	21828.11
Rrp0044	1348624	1409217	1791097	1989208	1453888	1652312	1516313
Rrp0146	36431.06	414302.8	51943.37	26796.15	32453.21	24058.29	167559.1
Rrp0005	153506.1	170553.1	165215.1	91610.37	96058.19	99165.6	163091.4
Rrp0572	1082867	1132408	1128648	1005170	1093397	981702.1	1114641
Rrp0035	413278.5	397479.8	375321.8	488080	452253.1	460692.3	395360
Rrp0336	100358.1	144948.1	109694.6	193016.8	226369	164513.1	118333.6
Rrp0729	81494.69	80638	83735.5	11026.88	18630.91	18569.92	81956.07
Rrp0130	1800084	1765101	1566600	1543428	1641319	1607138	1710595
Rrp0143	15369516	17222507	16950297	16960075	17081614	14365710	16514107
Rrp0379	95848.87	119725.3	168380.2	184763.3	167713	320886.6	127984.8
Rrp0631	38184.39	30626.2	36812.61	82564.38	116620.8	102276.4	35207.73
Rrp0391	252850.9	269832.1	247498	302793.7	350313.7	319904	256727
Rrp0622	80425.84	93314.87	99476.76	33723.13	26074	26877.64	91072.49
Rrp0502	74373.32	62420.21	140456.2	13299.98	19658.35	26239.8	92416.59

Rrp0048	76138.54	84621.85	78285.42	13882.67	18747.03	23646.42	79681.94
Rrp0086	267797.1	295753.3	297202.1	233218.3	215915.6	221752.6	286917.5
Rrp0324	4397074	3463877	3522422	3823157	3553354	3384142	3794457
Rrp0733	45094.28	45835.88	41844.89	95603.82	100798.1	121053.3	44258.35
Rrp0562	52764.28	52247.83	53703.35	44956.11	46333.54	481045.2	52905.15
Rrp0769	175530.1	136801.1	158742.6	86506.92	94363.41	105356.2	157024.6
Rrp0178	96750.51	73225.94	67802.48	144673.1	127472.3	144041.3	79259.65
Rrp0301	68149.36	59839.48	75794.31	13408.35	10125.47	11441.19	67927.72
Rrp0187	216638.3	182769.9	242495	189857.7	113390.1	125860.2	213967.7
Rrp0693	87126.86	53653.9	58889.04	129239	136027.4	111232.8	66556.6
Rrp0550	89109.18	108381	96223.28	152513.6	156811	149047	97904.48
Rrp0557	35738	36374.08	37355.06	82618.01	106742.6	85070.01	36489.05
Rrp0689	75307.19	77813.86	94455.01	36149.26	34380.18	15816.45	82525.35
Rrp0449	256111.1	270541.6	251316.6	325567.2	299001.3	310798.5	259323.1
Rrp0575	72235.4	84016.45	82798.68	134563.6	143230	116598.2	79683.51
Rrp0350	114491.2	52690	53273.85	300805	79973.12	107665.9	73485.03
Rrp0074	1051968	1099442	1025315	1402715	1102943	1003935	1058908
Rrp0212	1107124	996757.5	1030929	1001214	1025163	861506.5	1044937
Rrp0728	169363.3	149645.1	174513.5	116734.8	112489.6	127235.4	164507.3
Rrp0552	83917.72	71808.69	93278.79	38722.9	32263.59	44433.68	83001.74
Rrp0570	14454.14	14348.89	15104.21	56192.07	55657.08	58895.42	14635.75
Rrp0416	15600.76	138669.1	95739.98	44353.95	10433.38	3535.177	83336.61
Rrp0133	734383	694871.2	804578.3	868534.1	769509.1	799156.2	744610.8
Rrp0206	85031.63	91990.34	79554.25	133605.9	130629.7	117089.1	85525.41
Rrp0179	28672.07	115526.7	68782.96	8027.93	33446.32	5854.554	70993.9
Rrp0196	329010.2	361022.9	281280.8	400563.7	396196.3	344423.7	323771.3
Rrp0039	29233.09	22102.38	23067.53	67963.63	69238.82	57238.53	24801
Rrp0621	101991.2	100417.6	139898.7	72792.16	66342.44	69224.02	114102.5
Rrp0172	311346.8	329478.9	289044	199098.5	331012.7	205229.9	309956.6
Rrp0427	182547.9	170762.4	204964.3	146253.9	120890.3	157487.1	186091.5
Rrp0666	29874.7	25348.3	44099.8	38774.74	21910.82	301656.8	33107.6
Rrp0727	52317.09	51200.83	48018.95	81114.6	99153	84872.58	50512.29
Rrp0121	1483321	1762712	1660271	1748553	1496457	1344874	1635435
Rrp0454	1249733	1489891	1267839	1396425	1835827	1151132	1335821
Rrp0256	216083.9	221176.8	237632.8	218339.4	172428.2	127461.3	224964.5
Rrp0145	149010.8	142012.5	102056.3	187765.6	186942.9	153037.9	131026.6
Rrp0225	117541.9	165118.9	130525.4	166096.6	182133.8	196514.5	137728.8
Rrp0766	52678.43	64212.22	58853.45	210291.6	139132.3	22111.9	58581.36
Rrp0638	1244058	1452076	1498761	1467498	1490340	1469476	1398298
Rrp0393	14570.04	11221.76	10650.14	44072.33	43444.42	49309.15	12147.31
Rrp0537	168018.8	138678.9	205465.2	237746.4	204283.2	207715.3	170721
Rrp0136	142017.8	194721.2	211470.9	242464.8	234030.4	210657.4	182736.6
Rrp0274	1468216	182725.1	485728.9	1372885	104243.7	1219969	712223.5
Rrp0012	914290	905149.2	972313.1	1049958	962360	943080.4	930584.1
Rrp0329	107255.3	98481.89	74852.32	58627.42	60218.12	55155.31	93529.85
Rrp0263	74302.44	76138.84	99358.79	43943.91	56351	47299.23	83266.69
Rrp0573	73854.12	98281.04	94213.66	118120.5	120093.8	129533	88782.94
Rrp0434	42454.17	47314.26	41315.23	81380.97	69885.91	70187.69	43694.55
Rrp0450	55774.93	61157.05	60429.53	22089.1	29066.52	36389.66	59120.5
Rrp0006	694773.5	708646.9	643133.1	728739.2	697332.9	751719.3	682184.5
Rrp0248	242733.6	253312.1	334775.5	234758.5	258282.1	190343.2	276940.4
Rrp0457	50146.2	47244.43	54062.6	24446.01	21049.83	21125.48	50484.41
Rrp0043	242982.9	193577.1	190281.6	237407.3	22255.63	178774.8	208947.2

Rrp0159	2941724	3172151	2980435	3140435	2994534	3176419	3031437
Rrp0269	112800.3	114496	113910.1	87380.36	92206.69	82584.76	113735.5
Rrp0292	16219.3	35375.59	9815.269	84352.03	88252.29	11649.61	20470.05
Rrp0001	66557.47	71786.68	56699.1	94876.79	103690.8	81576.99	65014.42
Rrp0604	44953.12	42603.22	32149.81	14488.63	16755.18	14204.38	39902.05
Rrp0118	44932.15	46039.4	444249	141306.8	16589.21	136637.1	178406.8
Rrp0723	230788.4	307485.3	168043.1	211831.2	189192.4	161611.7	235438.9
Rrp0677	22440.51	33349.64	24590.14	64530.68	51945.97	41452.24	26793.43
Rrp0250	454980.2	562488.8	465499.2	576684.7	518279.8	522378.3	494322.7
Rrp0756	5182.036	51571.07	45033.75	203371.6	29222.97	30035.25	33928.95
Rrp0615	479531.9	511188.6	482257.8	440591.6	469015.1	472740.2	490992.8
Rrp0387	101785.9	119511.8	100129.8	137802.1	237948.2	82461.07	107142.5
Rrp0613	286168.4	324906.8	363582	364661.6	393477.9	330305	324885.7
Rrp0587	38258.02	34883.33	32980.67	11686.01	14775	17471.33	35374
Rrp0022	20775.49	12745.68	35859.32	47508.2	47875.8	44527.27	23126.83
Rrp0524	40812.78	34510.25	59645.64	19964	29132.7	15191.98	44989.55
Rrp0360	38164.78	34768.6	25528.57	12452.83	11086.35	14072.98	32820.65
Rrp0341	7596.003	78442.77	69373.99	41781.32	7910.364	9206.573	51804.25
Rrp0389	47344.79	17282.27	44194.92	61681.99	54654.1	62159.23	36273.99
Rrp0506	6772.577	14348.61	13872.76	38700.72	61531	12826.21	11664.65
Rrp0496	55632	57200.33	53164.56	38356.83	35370.99	39492	55332.3
Rrp0276	164232.2	133876.7	134169.5	148641.6	100743.3	95087.47	144092.8
Rrp0221	472907.2	758952.9	777508.3	641023.3	624703.6	570447.3	669789.5
Rrp0287	32906.27	39496.12	33319.65	54087.06	58895.98	45779.85	35240.68
Rrp0167	300622.5	433579.9	418502	441206.9	408516.5	420766.6	384234.8
Rrp0601	63637.47	56129.16	61396.48	77444.85	87189.13	70826.28	60387.7
Rrp0140	434156.8	550210.2	1347046	810818.9	940413.3	879968.7	777137.7
Rrp0315	55828.63	63829.79	32337.65	79302.94	79620.16	59614.22	50665.36
Rrp0403	52047.71	42810.3	52189.38	32641.01	32390.39	32432.6	49015.79
Rrp0700	12200.89	21417.64	43883.7	16898.11	43863.66	118221.1	25834.08
Rrp0385	1264.18	7429.984	6137.951	21247.99	21594.87	19042.52	4944.038
Rrp0726	52730.11	59917.29	54476.23	68747.68	67986.29	84997.35	55707.88
Rrp0395	14930.08	16996.43	36317.64	43047.22	54896.26	32031.74	22748.05
Rrp0286	3600.561	30044.38	38284.29	44782.55	41649.07	50296.97	23976.41
Rrp0157	83701.1	140064.2	116461.1	72308.81	82839.3	108070.8	113408.8
Rrp0063	2496712	3117605	2940904	3034788	3017118	2735027	2851740
Rrp0268	60310.14	42566.35	20031.16	12015.93	28212.17	19077.09	40969.22
Rrp0362	13863.88	1902.096	18461.22	30563.42	29008.03	21890.98	11409.07
Rrp0739	23589.69	53862.77	28995.81	17432.51	5297.5	26665.81	35482.75
Rrp0433	70171.93	87337.77	75793.78	15366.09	177031.2	149145.8	77767.83
Rrp0767	29281.03	32283.28	32478.68	45222.59	45846.28	40224.33	31347.66
Rrp0586	493036.2	548127.8	535797.5	540899.2	553887.2	546660.3	525653.8
Rrp0291	2991.734	16963.23	5172.694	7198.502	23865.42	50589.92	8375.885
Rrp0056	17335.66	18798.47	19725.82	25772.84	29212.44	38227.05	18619.98
Rrp0017	59882.11	53006.09	43818.99	219557.5	28568.36	18601.53	52235.73
Rrp0209	43806.19	72052.11	46726.33	90804.39	63788.11	60736.98	54194.88
Rrp0397	21574.52	14910.32	19432.57	10198.48	9682.828	2835.572	18639.14
Rrp0394	30045.09	35358.25	36863.78	14232.77	11764.9	34660.74	34089.04
Rrp0758	90506.17	112599.3	115025.9	188426.9	99376.24	104133.3	106043.8
Rrp0539	14616.34	17519.67	17847.02	35871.18	14964.41	41390.98	16661.01
Rrp0507	19342788	21900503	22465243	22582710	21524238	20064463	21236178
Rrp0128	188205.7	166716.4	146420.9	133334.5	185343.9	115854.2	167114.3
Rrp0052	801368.7	757271.9	753190.3	816287.8	745742.5	659407.2	770610.3

Rrp0520	104438.1	118219.4	114407.3	105587.3	89712.9	104511.1	112354.9
Rrp0487	29015.79	24230.42	23836.56	15387.12	17935.16	15776.79	25694.26
Rrp0271	493934.3	431566.5	552093.9	485840.7	486678.1	598106.3	492531.6
Rrp0284	106596.8	138414.5	91996.16	88942.22	108620.6	86884.24	112335.8
Rrp0080	38050.89	39401.71	26691.46	23106.52	20550.04	28380.47	34714.69
Rrp0442	48096.66	44595.69	49162.18	58947.84	57715.71	52195.69	47284.85
Rrp0054	28704.29	24650.47	24354.79	18123.36	17489.77	17433.02	25903.18
Rrp0486	11763.11	13316.66	3225.987	23299.98	22107.87	12651.47	9435.254
Rrp0774	14330.95	16982	17629.69	21787.13	25209.94	25008.92	16314.21
Rrp0252	53576.68	63067.82	53804.17	48195.71	47057.25	49283.11	56816.22
Rrp0180	253179.6	294007.1	262205.5	272678.2	283972.1	297882.9	269797.4
Rrp0335	16785.6	16879.42	14945.43	25349.31	21866.42	22405.79	16203.48
Rrp0424	47982.41	26815.35	113902.8	62477.28	21265.52	46191.25	62900.18
Rrp0763	50235.13	66212.94	46244.43	47914.82	42385.41	41389.73	54230.83
Rrp0065	2479797	3067419	3010810	3055105	3092365	2580779	2852676
Rrp0024	68860.29	80389.53	79335.19	90743.71	81563.31	82568.75	76195
Rrp0067	79867.38	77765.41	79497.4	97793.39	64345.21	118540.9	79043.39
Rrp0314	126341.8	17130.48	11869.02	27753.7	29548.49	32885.27	51780.43
Rrp0214	177167.4	468244.4	139833.6	418742.2	178693.4	65631.19	261748.5
Rrp0499	154508.9	229584.8	180646.6	234916.4	209745.6	172048.7	188246.8
Rrp0032	2713171	2851233	2878850	2890362	2846208	2609806	2814418
Rrp0113	235676.9	282791.9	355470.2	336256.5	301570.4	294671	291313
Rrp0430	143217.5	134269.3	192956.8	176627.4	82323.04	157902.3	156814.5
Rrp0776	18501.49	16704.16	21089.85	12039.86	12732.98	16464.02	18765.17
Rrp0138	17956.13	15293.37	18304.17	10121.2	12558.02	15054.38	17184.56
Rrp0372	18672.67	10171.16	18314.94	9899.425	10514.21	10699.87	15719.59
Rrp0009	31745.56	26153.07	26235.79	28428.55	29219.01	48511.31	28044.8
Rrp0411	14824.38	15579	14947.58	18329.5	17956.03	19033.64	15116.99
Rrp0078	913106.1	516893.9	856268.2	780756.1	789306	625876.4	762089.4
Rrp0101	129630.9	82876.24	68170.79	99142.45	93449.69	121618.4	93559.32
Rrp0458	69725.71	77282.17	69728.25	77400.81	71489.61	84421.42	72245.38
Rrp0013	129458.1	127464.9	122600.3	129382.1	137625.3	127190.5	126507.8
Rrp0057	32071.84	33598.05	41525.99	120970.9	13805.35	14380.67	35731.96
Rrp0334	153593.6	150011.6	157531.9	194381.8	166635.6	129740.2	153712.4
Rrp0083	18291.2	15273.41	105299.5	56005.21	69472.17	51070.75	46288.02
Rrp0365	42678.19	50545.78	49991.11	53929.43	51198.3	50221.47	47738.36
Rrp0468	13741.72	18798.76	50680.62	33183.57	36069.79	36154.42	27740.37
Rrp0435	3301.679	9206.241	17642.58	9159.038	4989.572	2011.672	10050.17
Rrp0144	30788.77	30088.85	29393.58	29331.83	23440.56	28055.82	30090.4
Rrp0260	19661.91	11646.65	25405.08	15176.93	2321.898	22686.44	18904.55
Rrp0749	40858.43	43986.82	54322.63	50580.71	51368.71	49872.56	46389.29
Rrp0462	25945.54	38860.41	33308.5	31131.37	28908.78	26010.53	32704.82
Rrp0069	341845.6	415299.5	305124	182501.9	86272.02	893615.2	354089.7
Rrp0473	29763.95	22499.34	33875.24	27885.4	20534.23	26069.9	28712.84
Rrp0375	22519.72	46752.68	38115.69	36638.66	31990.03	57371.53	35796.03
Rrp0023	246505.1	318802.6	262750.7	271629	250355.9	279940.3	276019.5
Rrp0064	231035.1	324185.6	295673.2	256149.3	288935.9	277230.7	283631.3
Rrp0135	276212.9	254974.7	289138.7	260263.4	379129.9	214588.5	273442.1
Rrp0325	30838.43	14139.37	30211.39	9480.889	78102.16	9165.411	25063.06
Rrp0453	2185941	2283934	2421752	2036947	2902271	1865240	2297209
Rrp0342	47254.51	23143.26	45053.16	24291.13	37284.28	41263.12	38483.64
Rrp0401	10222.84	13767.83	12253.94	13493.08	14256.45	12911.66	12081.53
Rrp0028	2534821	2851699	2672093	2843294	2652273	2602560	2686204

Rrp0224	4782.629	14128.76	9832.44	21931.59	5389.327	10059.05	9581.277
Rrp0296	63084.21	48766.96	51950.65	38491.74	67177.8	47200.56	54600.6
Rrp0215	18417.6	58743.91	28928.26	39520	55508.63	24210.16	35363.26
Rrp0353	2855.714	2164.508	1723.789	5000.334	2575.916	2579.473	2248.004
Rrp0007	22944.37	33468.82	29510.2	24433.43	28944.03	39945.43	28641.13
Rrp0084	42052.5	47937.73	48203.85	41455.44	54375.02	48298.06	46064.69
Rrp0605	18819.72	15146.16	13008.97	14346.19	13937.93	14878.54	15658.28
Rrp0560	2138.58	16874.51	6149.194	9361.167	5687.5	4308.171	8387.429
Rrp0338	62960.62	55498.97	58464.77	57046.38	65174.97	59477.29	58974.79
Rrp0081	15281.15	17651.53	11799.03	15261.64	11776.95	13835.35	14910.57
Rrp0089	32313.16	35149.73	34629.96	38696.61	30986.22	36356.04	34030.95
Rrp0037	131852.7	156804.2	143346.7	149644.7	156681.8	116745.1	144001.2
Rrp0425	27313.37	21106.23	28133.32	23602.47	25473.06	24068.82	25517.64
Rrp0398	45983.68	45480.66	44889.16	41609.98	46430.51	45526.41	45451.17
Rrp0156	8616.166	9168.302	15727.9	14246.15	4312	20099.18	11170.79
Rrp0295	13274.79	6530.052	5252.686	4208.698	9256.781	15438.85	8352.51
Rrp0004	110868.4	118654.9	103933.7	123766.8	103860.1	110750	111152.4
Rrp0285	10900.74	14021.27	10308.28	15226.4	14923.61	1611.76	11743.43
Rrp0576	25641.2	24295	23934.77	26091.89	21156.64	24994.93	24623.66
Rrp0523	359303.1	32740.45	3511841	1039316	1384522	1556582	1301295
Rrp0343	12975.2	3586.317	8049.443	6968.145	8852.633	9587.13	8203.654
Rrp0201	123544.8	167651.2	187394	167560.7	129060.6	185535.5	159530
Rrp0376	135463.8	644366.7	860655.1	672145.4	739741.7	225593.9	546828.6
Rrp0501	35767.74	13445.48	29847.4	7162.946	14806.12	56111.06	26353.54
Rrp0553	6244.172	9544.192	4594.478	16884.6	1296.728	1412.582	6794.281
Rrp0382	15145.51	16450.24	15008.49	15221.35	14770.76	16738.79	15534.74
Rrp0571	54618.85	61954.95	63256.73	62360.81	64028.28	53631.89	59943.51
Rrp0494	23602.27	26864.83	37131.8	29909.51	32259.24	25736.96	29199.63
Rrp0279	265058.9	191450.5	134503.1	286684.9	204533.1	96253.14	197004.2

case	meanlog2FoldCh	Pvalue	padj	vip
2.05E+08	-3.07105	3.31E-08	5.58E-06	7.898275
1.39E+08	-3.2102	7.25E-08	7.32E-06	6.865997
1.03E+08	-3.07973	1.37E-05	0.00023	5.626905
4.45E+08	-1.26188	0.000148	0.000923	5.02963
4.61E+08	-1.17715	3.08E-05	0.000343	4.883476
8.16E+08	-0.71088	3.11E-06	9.25E-05	4.619031
8.13E+08	-0.70823	5.72E-08	7.22E-06	4.60275
7.91E+08	-0.70551	4.78E-06	0.000127	4.524673
7.8E+08	-0.70361	1.45E-06	5.63E-05	4.490796
7.99E+08	-0.64679	0.000163	0.000959	4.288377
8.31E+08	-0.61541	1.24E-06	5.26E-05	4.2628
4.91E+08	1.826689	3.27E-05	0.000343	3.797824
79110266	-2.25046	3.06E-05	0.000343	3.491569
78316712	-2.25954	2.54E-05	0.000313	3.487847
25165135	-3.61388	1.24E-05	0.000226	3.408385
15828570	-3.67504	1.26E-07	1.06E-05	2.768712
1.53E+08	-1.07528	1.35E-05	0.00023	2.639216
1.14E+09	0.203618	1.83E-05	0.00025	2.483369
6.12E+08	-0.27717	4.17E-05	0.000405	2.304733
1.52E+09	0.137761	0.009342	0.020423	2.293088
1.14E+09	-0.25729	0.306086	0.387402	2.150864
29903401	-2.2389	2.26E-05	0.000292	2.136301
1.88E+08	1.282636	6.94E-05	0.000567	2.129306
2.6E+08	0.753665	2.52E-05	0.000313	2.082325
1.6E+08	1.210471	0.000151	0.000923	1.926724
1.82E+08	0.993023	0.000837	0.002999	1.909305
1.17E+08	2.083582	0.000149	0.000923	1.906481
1.77E+08	1.038426	0.000966	0.003355	1.903753
1.12E+08	2.127151	8.00E-05	0.000622	1.875975
88200863	4.107905	0.000109	0.000752	1.841715
1.96E+08	-0.5077	0.000956	0.003354	1.821574
8.98E+08	-0.11708	0.000714	0.002671	1.750422
8.8E+08	-0.12357	0.003948	0.010116	1.74915
88908547	-0.85565	5.92E-05	0.000524	1.713675
1.82E+08	0.733515	0.004728	0.011591	1.680364
45317859	-1.29982	8.23E-05	0.00063	1.643312
3.98E+08	0.290844	0.02742	0.050979	1.605022
5.99E+08	0.158112	0.000205	0.001092	1.587751
44037536	-1.21766	0.000488	0.002036	1.533656
8520240	-2.84701	2.86E-05	0.000336	1.47099
8.34E+08	-0.11354	0.113478	0.173131	1.416677
1.37E+08	0.624166	0.000979	0.003362	1.390896
52571135	3.227652	9.86E-07	4.98E-05	1.388968
6254420	-3.09158	0.000237	0.00122	1.384065
13732843	-2.0115	9.82E-05	0.000689	1.304529
756925.9	-5.7252	2.86E-09	1.45E-06	1.27107
49430164	2.089649	1.25E-06	5.26E-05	1.246167
41997106	3.351389	0.00029	0.001319	1.240365
49518827	-0.78321	3.40E-05	0.000343	1.209485
41980559	1.574784	3.94E-06	0.000111	1.070442
41217280	1.348821	0.000278	0.001298	1.00764
8.79E+08	0.054328	0.086104	0.136737	1.001761

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

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

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

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

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

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

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

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

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