



# IAU Minor Planet Center

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## Observer Services

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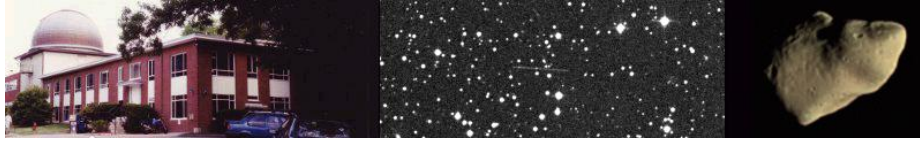
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## MPEC 2011-B46 : DAILY ORBIT UPDATE (2011 JAN. 28 UT)

The following [Minor Planet Electronic Circular](#) may be linked-to from your own Web pages, but must **not** otherwise be [redistributed electronically](#).

A form allowing access to any MPEC is at [the bottom of this page](#).



[Read MPEC 2011-B45](#)



[Read MPEC 2011-B47](#)

M.P.E.C. 2011-B46

Issued 2011 Jan. 28, 07:08 UT

The Minor Planet Electronic Circulars contain information on unusual minor planets and routine data on comets. They are published on behalf of Commission 20 of the International Astronomical Union by the Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.

Prepared using the [Tamkin Foundation Computer Network](#)

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DAILY ORBIT UPDATE (2011 JAN. 28 UT)

Update to [MPEC 2011-B44](#)

Full-precision elements for the objects listed here are available at <http://www.minorplanetcenter.org/iau/MPCORB.html>

### New identification:

K02N39T	K11B17N	MPCS
K02S07H	K11B16L	MPCS
K04P01K	K11B18H	MPCS
K10Y03A	K01X08L	MPCS
K11A06D	K08F85H	MPCS
K11A08P	K05YR4G	MPCS
K11A10L	K09SQ8Z	MPCS
K11A14C	K04C95G	MPCS

### New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J94A14P	16.8	0.15	K1128	69.373	100.686	291.837	5.634	0.17259	2.62519	6	X
J94P04F	17.1	0.15	K1128	157.641	87.418	236.664	1.348	0.22147	2.40123	8	X
J94U11A	17.9	0.15	K1128	113.065	21.128	346.419	2.963	0.14780	2.12361	6	X
J95B15G	16.8	0.15	K1128	42.345	343.142	79.961	2.295	0.12969	2.54025	5	X
J95C05H	17.2	0.15	K1128	12.640	327.174	147.164	5.407	0.13011	2.52601	6	X
J95H02W	17.3	0.15	K1128	254.169	124.437	82.375	4.372	0.13685	2.24726	4	X
J95S62L	15.6	0.15	K1128	51.615	93.535	15.485	10.179	0.01350	3.42410	5	X
J95U77M	16.0	0.15	K1128	26.927	242.936	204.492	11.130	0.20678	2.84528	6	X
J95V06J	16.5	0.15	K1128	91.325	329.927	59.073	2.923	0.06377	2.83451	7	X
J96R15C	16.9	0.15	K1128	259.028	325.528	273.823	12.120	0.11452	2.57658	2	X
J96R19F	15.9	0.15	K1128	242.086	109.105	172.363	5.589	0.12541	3.21602	6	X
J96T60C	16.4	0.15	K1128	135.317	39.644	305.702	3.562	0.26096	2.63885	5	X
J97S04R	16.1	0.15	K1128	33.900	11.291	335.198	12.655	0.30004	2.64047	5	X
J98H07S	15.8	0.15	K1128	318.315	97.077	59.528	14.551	0.45173	2.73643	4	X
J98Q03G	16.3	0.15	K1128	171.999	358.043	314.690	12.680	0.22705	2.35713	4	X
J98S07Y	16.5	0.15	K1128	55.458	312.429	50.706	0.574	0.20944	3.20050	3	X
J98S33Z	15.0	0.15	K1128	93.919	319.058	1.240	27.297	0.20942	3.18674	3	X
J98S38A	17.4	0.15	K1128	55.904	114.274	264.806	0.431	0.19052	2.45631	6	X
J98S96T	17.6	0.15	K1128	98.195	225.470	151.199	2.849	0.22609	2.41562	6	X
J98SF2L	17.0	0.15	K1128	97.185	102.422	278.039	1.195	0.22822	2.41753	4	X
J98T14L	16.6	0.15	K1128	73.843	211.255	193.907	5.287	0.09887	3.09113	5	X
J98X44Y	16.0	0.15	K1128	72.195	75.109	317.727	8.548	0.24097	2.48558	4	X
J98Y16A	15.6	0.15	K1128	52.348	259.869	129.050	4.227	0.29043	2.53814	5	X

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J99A29W	17.9	0.15	K1128	3.275	172.724	317.087	1.948	0.21036	2.51991	4 X
J99B27G	16.9	0.15	K1128	36.500	86.773	307.314	2.102	0.23031	2.56591	4 X
J99L29E	16.9	0.15	K1128	285.887	91.963	119.807	7.689	0.14276	2.63956	5 X
J99T63C	15.6	0.15	K1128	7.349	10.557	39.886	10.031	0.08363	3.12816	3 X
J99TD4H	15.4	0.15	K1128	79.241	185.171	206.335	8.424	0.13821	2.93935	6 X
J99TF5D	17.2	0.15	K1128	78.600	128.749	260.915	3.254	0.18683	2.30799	6 X
J99TL1Q	15.0	0.15	K1128	131.128	29.952	319.264	19.035	0.18268	2.90213	5 X
J99TW8B	17.7	0.15	K1128	99.430	94.226	270.404	2.796	0.25456	2.30155	5 X
J99TX2R	16.3	0.15	K1128	30.408	11.738	19.367	10.460	0.09676	3.08127	4 X
J99U37B	15.4	0.15	K1128	353.006	38.940	22.230	10.597	0.13116	3.09707	6 X
J99V73L	17.6	0.15	K1128	292.273	282.322	192.232	5.561	0.08515	2.39616	7 S
J99VB6T	16.7	0.15	K1128	77.842	285.143	30.223	9.900	0.07701	3.10815	4 X
J99VE1N	17.1	0.15	K1128	83.497	56.988	1.858	1.343	0.04884	2.91068	5 X
J99VL3N	15.8	0.15	K1128	22.073	328.892	108.325	7.583	0.32133	3.06540	5 X
J99X56T	15.4	0.15	K1128	60.971	156.557	245.853	10.512	0.21375	3.03183	4 X
J99XD1J	14.8	0.15	K1128	350.425	186.778	281.071	14.797	0.05138	3.08788	5 X
J99XN2X	17.0	0.15	K1128	357.416	186.822	269.164	19.140	0.03970	1.96422	5 X
J99XN3Y	16.7	0.15	K1128	60.223	208.957	208.701	7.178	0.19172	2.32513	7 X
J99XQ1Q	17.1	0.15	K1128	80.718	160.540	236.887	9.937	0.13483	2.32132	4 X
K00A28N	17.8	0.15	K1128	93.687	27.003	343.956	1.980	0.22814	2.36478	5 X
K00A42D	17.5	0.15	K1128	42.955	124.617	315.349	4.127	0.19640	2.35190	3 X
K00AC9O	17.2	0.15	K1128	6.476	173.772	288.661	6.479	0.24584	2.39759	3 X
K00AK7R	15.7	0.15	K1128	309.916	60.991	146.237	10.944	0.16533	3.13538	6 X
K00B09O	15.8	0.15	K1128	247.975	129.018	134.327	15.711	0.12971	3.10252	3 X
K00B13G	17.7	0.15	K1128	14.086	173.225	298.158	1.827	0.14980	2.38187	5 X
K00B20C	17.7	0.15	K1128	284.306	269.221	304.853	4.461	0.13798	2.39531	4 X
K00B21R	15.9	0.15	K1128	204.450	343.628	313.815	18.955	0.06152	3.10485	3 X
K00B29G	15.0	0.15	K1128	24.904	155.560	315.010	14.274	0.08473	3.08050	6 X
K00C56C	16.3	0.15	K1128	28.461	133.378	324.916	4.543	0.18525	2.38319	5 X
K00CA0U	15.4	0.15	K1128	164.943	207.821	133.815	10.781	0.06839	3.08481	6 X
K00CA1R	20.2	0.15	K1128	5.637	153.039	333.750	0.598	0.24570	1.69496	2 X
K00D17S	17.0	0.15	K1128	39.636	289.262	163.353	10.557	0.20594	2.38734	4 X
K00D39R	17.0	0.15	K1128	41.920	265.189	166.896	10.341	0.12874	2.41218	5 X
K00D52B	16.2	0.15	K1128	9.249	340.311	153.754	5.616	0.18007	2.38153	7 X
K00D85R	17.0	0.15	K1128	356.867	82.498	76.154	4.058	0.21946	2.36789	5 X
K00D89Y	17.1	0.15	K1128	357.582	191.290	313.413	3.825	0.11643	2.37367	4 X
K00DA8T	15.3	0.15	K1128	21.974	321.550	127.862	13.391	0.22547	3.15215	5 X
K00E02M	17.2	0.15	K1128	344.015	207.697	316.702	2.116	0.19146	2.38873	4 X
K00ED8H	17.5	0.15	K1128	264.489	256.912	346.779	1.431	0.17421	2.41797	6 X
K00F57Z	16.4	0.15	K1128	323.882	41.080	145.070	6.644	0.17487	2.41032	6 X
K00F73V	14.5	0.15	K1128	348.773	17.067	146.850	23.886	0.14388	3.15182	5 X
K00G48L	17.4	0.15	K1128	281.164	18.254	197.860	0.924	0.14411	2.45878	6 X
K00GC0C	17.9	0.15	K1128	339.379	318.041	194.266	1.568	0.15578	2.43232	4 X
K00H86R	16.9	0.15	K1128	287.915	94.355	135.080	3.156	0.15302	2.44821	6 X
K00O02W	15.4	0.15	K1128	70.306	95.614	306.320	27.285	0.15026	2.67144	5 X
K00O36J	15.9	0.15	K1128	182.247	91.135	240.158	6.130	0.21698	2.58598	6 X
K00QG1T	15.7	0.15	K1128	204.741	349.149	299.417	13.642	0.11986	2.60706	5 X
K00QG5Y	15.8	0.15	K1128	95.887	68.979	300.212	7.506	0.21675	2.73120	4 X
K00R28U	15.9	0.15	K1128	160.357	12.254	320.676	13.060	0.16625	2.66199	6 X
K00R39Y	16.2	0.15	K1128	103.692	75.971	313.927	10.838	0.19826	2.68381	4 X
K00R57R	16.8	0.15	K1128	39.753	228.250	204.799	9.159	0.20747	2.79107	3 S
K00R81O	15.5	0.15	K1128	190.927	11.676	307.854	11.001	0.07858	2.62375	6 X
K00S19V	16.1	0.15	K1128	79.670	131.252	252.568	8.851	0.24213	2.77843	4 X
K00S28S	16.4	0.15	K1128	126.443	54.832	286.357	7.558	0.27318	2.72453	4 X
K00S51V	15.8	0.15	K1128	143.622	91.109	249.363	10.247	0.09828	2.68842	4 X
K00S93J	15.9	0.15	K1128	10.965	166.112	263.869	6.941	0.31350	2.86198	3 X
K00SC9Y	16.0	0.15	K1128	149.388	28.468	288.407	12.633	0.26051	2.68501	4 X
K00SD2X	16.1	0.15	K1128	208.738	346.949	310.907	13.110	0.19496	2.60618	4 X
K00SG6G	15.9	0.15	K1128	54.857	357.736	346.699	14.284	0.20650	2.89786	5 X
K00SL8R	15.7	0.15	K1128	157.073	179.332	166.281	14.105	0.26114	2.67014	5 X
K00ST7P	17.3	0.15	K1128	24.159	122.915	274.370	4.994	0.22752	2.22718	3 X
K00T14V	17.0	0.15	K1128	91.380	154.553	230.728	1.647	0.18731	2.75890	4 X
K00T35V	16.3	0.15	K1128	35.362	217.159	221.434	8.766	0.19846	2.79792	6 X
K00U61F	16.7	0.15	K1128	88.493	96.743	268.998	5.123	0.33120	2.79165	4 X
K00YB9Z	16.8	0.15	K1128	14.150	342.275	89.010	24.043	0.21107	2.24667	2 X
K01A32T	15.9	0.15	K1128	19.779	156.437	118.006	7.203	0.20646	2.86639	4 X
K01F74G	15.4	0.15	K1128	291.455	62.242	383.722	14.150	0.41423	3.04024	6 X
K01G06T	16.9	0.15	K1128	283.125	356.127	254.159	5.196	0.26007	2.26089	5 X
K01H14V	17.6	0.15	K1128	250.427	76.014	194.720	5.299	0.09452	2.26502	7 X
K01K01B	14.5	0.15	K1128	51.910	88.088	245.860	26.405	0.41133	2.63212	5 X
K01L16T	15.8	0.15	K1128	75.393	84.384	258.930	8.145	0.22756	2.58672	4 X
K01M03M	14.1	0.15	K1128	44.533	88.888	224.878	29.141	0.40722	2.75057	6 X
K01M26N	15.3	0.15	K1128	67.062	240.636	114.083	14.359	0.22026	2.57831	5 X
K01O00R	17.1	0.15	K1128	291.005	127.626	107.705	24.520	0.08287	1.90372	5 X
K01O54R	16.4	0.15	K1128	40.907	355.755	335.386	5.090	0.17434	2.68860	4 X
K01Q33Q	16.7	0.15	K1128	317.891	33.328	152.212	23.291	0.05818	1.94703	5 X
K01QJ3R	16.6	0.15	K1128	164.335	10.235	319.077	17.767	0.08724	1.97741	4 X
K01QL9Q	16.2	0.15	K1128	99.182	82.360	283.880	11.701	0.24166	2.59184	4 X
K01R07Y	17.6	0.15	K1128	70.503	100.253	291.635	4.541	0.30653	2.58807	3 X
K01R36W	17.0	0.15	K1128	114.451	121.659	234.639	3.299	0.22522	2.52286	5 X
K01R42R	17.3	0.15	K1128	84.741	161.197	232.262	2.447	0.11133	2.53995	4 X
K01R83A	17.0	0.15	K1128	61.932	80.486	274.618	3.757	0.24641	2.64895	2 X

K01R97R	18.0	0.15	K1128	108.841	150.830	204.471	3.223	0.25545	2.56510	4 X
K01S12R	17.2	0.15	K1128	107.691	11.598	352.788	2.100	0.22029	2.54245	6 X
K01S78T	17.4	0.15	K1128	107.993	210.544	170.315	3.177	0.08674	2.51616	5 X
K01SB6G	16.8	0.15	K1128	67.804	89.750	295.024	12.107	0.33946	2.62052	3 X
K01SC3Q	16.9	0.15	K1128	92.939	179.308	192.666	4.627	0.23758	2.55889	5 X
K01SG8A	16.8	0.15	K1128	27.920	14.546	13.787	1.789	0.08961	2.69414	4 X
K01SH5G	16.6	0.15	K1128	33.070	329.455	100.890	4.120	0.30633	2.64120	3 X
K01SH6X	16.4	0.15	K1128	89.625	186.300	181.088	17.282	0.32475	2.60016	4 X
K01SJ4J	16.2	0.15	K1128	336.166	154.522	177.866	11.307	0.09757	2.91600	6 X
K01SM8H	16.5	0.15	K1128	245.086	104.772	176.041	5.622	0.15674	2.42994	6 X
K01SN7A	17.6	0.15	K1128	62.184	31.552	8.422	1.922	0.22454	2.60497	2 X
K01SP8R	16.7	0.15	K1128	322.668	200.890	341.862	1.249	0.11533	2.46872	6 X
K01SU8Y	17.7	0.15	K1128	98.009	74.020	284.090	3.885	0.31643	2.57268	4 X
K01SY9T	16.5	0.15	K1128	58.252	243.632	172.412	11.554	0.17815	2.57748	4 X
K01T20F	15.3	0.15	K1128	69.115	149.953	237.147	13.939	0.30426	2.63606	3 X
K01T87C	17.6	0.15	K1128	75.046	58.566	330.372	3.337	0.21787	2.59825	3 X
K01T93P	16.8	0.15	K1128	42.375	150.605	277.755	4.006	0.14339	2.61012	5 X
K01TA1Y	16.2	0.15	K1128	43.155	10.215	355.601	4.723	0.17355	2.71468	3 X
K01TC3J	16.6	0.15	K1128	46.898	109.152	301.487	5.704	0.33256	2.63968	3 X
K01TH1B	15.6	0.15	K1128	7.013	271.229	225.528	7.844	0.10748	2.52526	7 X
K01TH8J	17.2	0.15	K1128	158.084	351.432	333.123	3.877	0.14593	2.53243	5 X
K01TH9U	17.7	0.15	K1128	123.559	20.372	329.551	2.213	0.19684	2.55953	4 X
K01TJ5Z	16.5	0.15	K1128	37.476	120.969	309.820	13.468	0.26592	2.62368	4 X
K01TJ8C	17.1	0.15	K1128	131.798	74.559	281.724	3.245	0.12315	2.52052	5 X
K01TLOF	16.3	0.15	K1128	108.615	83.490	301.201	8.589	0.13544	2.51329	6 X
K01TL4E	16.6	0.15	K1128	73.505	308.063	92.713	4.139	0.21581	2.61042	4 X
K01TP8M	16.9	0.15	K1128	264.728	123.952	124.303	4.071	0.14255	2.46428	5 X
K01U22P	16.7	0.15	K1128	81.191	141.426	234.770	5.039	0.28467	2.60840	4 X
K01U29V	15.7	0.15	K1128	42.879	316.116	45.125	13.094	0.22888	2.70884	6 X
K01U53A	16.5	0.15	K1128	21.558	270.074	195.503	11.065	0.26286	2.64482	4 X
K01U60S	17.0	0.15	K1128	62.786	129.161	287.745	1.999	0.19747	2.58535	4 X
K01U78U	16.9	0.15	K1128	41.388	10.584	43.071	4.586	0.30075	2.66239	2 X
K01U92Z	16.2	0.15	K1128	107.027	159.823	222.399	11.094	0.04347	2.54764	5 X
K01UA6L	15.9	0.15	K1128	308.149	337.120	206.509	13.432	0.03376	2.57128	5 X
K01UE4O	16.6	0.15	K1128	76.113	351.800	71.810	5.103	0.13630	2.56784	5 X
K01UK2P	17.2	0.15	K1128	122.576	42.918	308.982	3.020	0.16422	2.57749	5 X
K01UM2P	16.8	0.15	K1128	22.600	88.949	43.705	5.208	0.03790	2.54045	6 X
K01V49L	16.5	0.15	K1128	63.049	139.572	250.289	11.183	0.30122	2.63080	3 X
K01V53G	16.7	0.15	K1128	33.104	143.856	310.504	4.674	0.18612	2.61234	4 X
K01V82B	16.1	0.15	K1128	157.014	71.244	255.521	10.011	0.11227	2.60705	4 X
K01V88S	16.3	0.15	K1128	50.301	297.827	127.156	13.700	0.17056	2.63766	4 X
K01W33C	16.5	0.15	K1128	351.067	23.497	76.472	6.212	0.14615	2.71190	5 X
K01W35Z	16.7	0.15	K1128	51.425	299.043	120.855	3.678	0.25001	2.65138	4 X
K01W55E	17.3	0.15	K1128	139.616	107.975	230.812	4.086	0.22165	2.55879	5 X
K01W94Y	17.0	0.15	K1128	97.875	301.349	73.737	3.133	0.15086	2.60856	5 X
K01W97U	16.7	0.15	K1128	64.627	189.522	222.559	3.052	0.12553	2.62780	6 X
K01X12P	16.1	0.15	K1128	331.232	63.241	30.776	7.833	0.19771	2.80727	3 X
K01X31B	15.9	0.15	K1128	22.788	199.064	275.936	12.450	0.19771	2.68067	4 X
K01X98H	15.3	0.15	K1128	113.919	110.993	263.423	11.509	0.11021	2.60265	5 X
K01XA6J	15.8	0.15	K1128	29.416	187.424	277.851	8.520	0.15534	2.61096	5 X
K01XA6Y	15.4	0.15	K1128	7.463	179.680	249.047	27.173	0.23595	2.72142	4 X
K01XD5O	16.8	0.15	K1128	32.839	234.240	216.737	4.065	0.11920	2.64717	7 X
K01XE2Y	17.8	0.15	K1128	49.858	340.024	78.153	2.949	0.21647	2.66667	3 X
K01XG1D	17.0	0.15	K1128	63.674	318.080	100.455	3.076	0.06218	2.65159	6 X
K01XH8R	15.8	0.15	K1128	90.026	122.263	268.647	11.578	0.08192	2.68664	3 X
K01XI7J	15.9	0.15	K1128	349.076	199.514	271.472	14.693	0.10969	2.76291	3 X
K01XJ5G	15.4	0.15	K1128	37.866	174.968	289.727	20.862	0.04632	2.67630	4 X
K01XM2N	16.7	0.15	K1128	141.495	337.954	16.155	1.178	0.04166	2.58683	5 X
K01XP6G	17.2	0.15	K1128	61.647	235.721	176.445	7.801	0.32471	2.63713	5 X
K01Y01U	15.0	0.15	K1128	66.608	67.979	273.068	29.899	0.38007	2.74451	3 X
K01Y03H	16.7	0.15	K1128	89.034	227.876	139.015	5.980	0.30796	2.64379	6 X
K01Y18Q	15.3	0.15	K1128	320.892	54.369	102.704	18.622	0.16379	2.74795	4 X
K01Y50Z	16.3	0.15	K1128	24.514	142.922	275.689	8.263	0.29472	2.73280	3 X
K01YF9R	16.3	0.15	K1128	212.878	276.408	58.046	14.986	0.03827	2.55986	4 X
K02A13V	16.2	0.15	K1128	321.576	57.203	104.480	12.756	0.14142	2.74227	6 X
K02A35C	15.8	0.15	K1128	57.303	92.550	318.237	11.967	0.27214	2.66570	4 X
K02A45P	16.9	0.15	K1128	32.643	306.113	148.373	4.286	0.18825	2.69000	5 X
K02A56N	16.0	0.15	K1128	146.459	78.355	264.669	5.081	0.02472	2.68269	7 X
K02A96D	15.8	0.15	K1128	194.225	4.220	309.167	13.512	0.04519	2.65461	6 X
K02AC0B	16.0	0.15	K1128	271.528	276.252	319.751	8.303	0.15457	2.73684	5 X
K02AE2Z	16.8	0.15	K1128	333.908	272.847	255.525	3.482	0.17732	2.70190	4 X
K02AF6E	17.3	0.15	K1128	55.444	98.461	310.067	11.051	0.29411	2.71317	3 X
K02AG7F	16.0	0.15	K1128	39.243	109.207	311.504	9.777	0.36928	2.74944	3 X
K02AI9C	16.1	0.15	K1128	54.408	155.141	258.011	4.000	0.20401	2.73251	6 X
K02AJ6S	16.7	0.15	K1128	34.306	188.861	262.979	3.851	0.04635	2.69594	6 X
K02AK2G	16.7	0.15	K1128	346.161	262.400	267.459	3.909	0.20175	2.70173	3 X
K02B02N	16.7	0.15	K1128	177.916	182.024	137.547	7.138	0.08469	2.67033	5 X
K02B29W	16.2	0.15	K1128	33.927	112.270	357.796	12.829	0.14918	2.66438	6 X
K02C29X	16.1	0.15	K1128	13.476	343.374	94.097	10.634	0.20892	2.79066	5 X
K02C41G	16.3	0.15	K1128	32.852	267.737	180.867	13.283	0.18393	2.73609	6 X
K02C74X	15.9	0.15	K1128	154.710	202.115	141.392	6.837	0.04356	2.73093	7 X
K02C76B	15.9	0.15	K1128	300.040	82.349	117.300	6.436	0.10493	2.75510	5 X

K02C79M	16.1	0.15	K1128	33.827	292.099	136.591	4.869	0.18969	2.78459	5 X
K02C88C	17.0	0.15	K1128	37.184	313.081	114.998	5.533	0.28604	2.74359	3 X
K02CB3E	16.1	0.15	K1128	224.051	134.913	133.940	6.999	0.04144	2.75695	7 X
K02CI3B	16.5	0.15	K1128	36.553	116.583	342.934	5.616	0.01753	2.72171	6 X
K02CI3O	16.7	0.15	K1128	34.795	139.499	317.750	6.873	0.07950	2.72309	3 X
K02CI9Y	16.2	0.15	K1128	48.160	291.964	134.829	9.613	0.15300	2.73465	4 X
K02CN8U	16.3	0.15	K1128	322.326	206.634	336.925	3.524	0.14298	2.77022	4 X
K02CS0J	16.6	0.15	K1128	353.258	228.090	291.455	7.359	0.23482	2.72306	5 X
K02CS8O	16.9	0.15	K1128	166.019	258.504	130.339	6.536	0.12862	2.55845	4 X
K02CU4A	16.0	0.15	K1128	119.859	29.206	334.114	5.341	0.06399	2.78769	6 X
K02CV3J	16.3	0.15	K1128	70.033	290.305	136.166	15.389	0.17661	2.67702	5 X
K02D10N	16.4	0.15	K1128	310.625	54.087	163.457	11.431	0.20592	2.71464	4 X
K02E18G	16.5	0.15	K1128	118.197	206.142	333.551	4.670	0.05342	2.42139	5 X
K02E23H	17.2	0.15	K1128	57.826	286.198	150.397	4.377	0.04480	2.76582	6 X
K02E37Y	16.6	0.15	K1128	31.520	268.762	180.411	5.722	0.14286	2.79984	4 X
K02E55K	15.6	0.15	K1128	296.349	46.136	167.806	9.163	0.06190	2.72417	4 X
K02E98W	15.7	0.15	K1128	286.288	262.180	0.189	13.545	0.26323	2.77326	4 X
K02EA4F	15.2	0.15	K1128	348.369	5.190	154.808	14.556	0.13461	2.77747	5 X
K02EE1R	16.2	0.15	K1128	39.359	92.489	1.225	10.573	0.23506	2.72823	4 X
K02EE7R	16.4	0.15	K1128	28.899	299.509	167.654	3.269	0.16996	2.76266	7 X
K02F04U	16.0	0.15	K1128	352.904	16.195	127.498	16.577	0.18907	2.75729	3 X
K02F22B	15.5	0.15	K1128	313.042	68.906	140.236	10.216	0.19295	2.79206	6 X
K02G87B	15.5	0.15	K1128	227.026	100.836	166.389	9.855	0.06497	2.89216	6 X
K02GC7P	15.6	0.15	K1128	250.063	160.956	1.343	10.535	0.05750	3.09170	4 X
K02GD9Y	16.6	0.15	K1128	253.998	205.573	35.506	2.206	0.05420	2.88075	7 X
K02GI0M	16.3	0.15	K1128	1.888	259.504	247.772	7.452	0.14000	2.79003	6 X
K02GI4P	17.8	0.15	K1128	167.675	54.122	209.074	4.817	0.07527	2.26005	4 X
K02J92O	17.0	0.15	K1128	50.959	3.028	309.226	1.761	0.24099	2.44296	6 S
K02JB9Z	15.5	0.15	K1128	286.537	121.704	139.144	14.375	0.17173	2.78121	5 X
K02JD9V	16.2	0.15	K1128	210.318	164.563	25.884	7.658	0.13496	3.19961	3 X
K02L06A	16.7	0.15	K1128	139.175	28.009	292.629	6.120	0.35325	2.33290	5 X
K02L61R	15.7	0.15	K1128	186.125	181.049	132.999	11.224	0.10069	2.99393	4 X
K02M04Y	17.2	0.15	K1128	156.393	163.982	161.407	8.717	0.23180	2.29016	4 X
K02N26T	16.0	0.15	K1128	290.808	116.190	144.918	13.892	0.43433	2.89273	5 X
K02N30B	15.7	0.15	K1128	261.984	131.031	116.433	10.690	0.15415	3.03427	4 X
K02N39T	15.2	0.15	K1128	230.663	320.679	307.851	9.295	0.11999	3.10380	4 S
K02N49X	16.6	0.15	K1128	123.048	220.434	125.606	6.576	0.25143	2.32375	5 X
K02N73E	16.6	0.15	K1128	160.354	185.224	136.862	1.828	0.18417	3.21034	5 X
K02O04S	18.3	0.15	K1128	37.137	102.040	289.583	26.802	0.45386	1.92351	3 X
K02O06E	15.0	0.15	K1128	246.088	335.244	280.681	15.844	0.09498	3.12402	6 X
K02O33Q	15.4	0.15	K1128	289.100	310.724	274.847	8.109	0.06239	3.05506	6 X
K02O33X	17.5	0.15	K1128	175.099	179.936	143.614	6.508	0.13921	2.25801	7 X
K02P01Y	14.8	0.15	K1128	200.565	186.300	142.131	19.004	0.19294	3.09185	5 X
K02P04P	14.7	0.15	K1128	259.951	96.714	158.224	20.072	0.04157	3.08361	8 X
K02P87G	15.4	0.15	K1128	276.764	105.434	136.920	27.174	0.17313	3.04615	5 X
K02PB4H	15.7	0.15	K1128	221.474	140.168	141.804	12.934	0.12473	3.12954	5 X
K02PD7E	17.9	0.15	K1128	143.715	216.806	138.479	6.708	0.13618	2.27764	6 X
K02PG2U	16.9	0.15	K1128	79.456	265.254	128.044	4.758	0.21249	2.34826	4 X
K02PG3E	15.5	0.15	K1128	223.243	312.488	320.171	10.040	0.11389	3.16822	5 X
K02PG6C	18.6	0.15	K1128	45.448	338.390	337.834	12.562	0.23950	2.53027	3 S
K02PH8V	15.2	0.15	K1128	296.854	314.973	273.938	10.727	0.17509	3.04293	5 X
K02PJ2T	17.9	0.15	K1128	105.259	157.495	194.691	1.679	0.20393	2.35822	4 X
K02PJ2X	18.1	0.15	K1128	265.465	62.073	184.456	2.899	0.19577	2.21314	6 X
K02Q01N	15.5	0.15	K1128	185.770	207.664	131.250	13.709	0.13015	3.10989	5 X
K02Q13R	17.2	0.15	K1128	224.816	342.542	291.733	4.665	0.13423	2.25359	6 X
K02Q23Z	15.5	0.15	K1128	236.956	134.228	140.845	8.291	0.14392	3.12060	6 X
K02Q38U	17.4	0.15	K1128	84.134	244.679	142.177	1.008	0.26759	2.38346	4 X
K02Q48P	17.6	0.15	K1128	129.337	211.759	128.149	5.061	0.14735	2.31895	6 X
K02Q56P	18.1	0.15	K1128	64.280	115.956	156.339	23.591	0.05624	1.98330	3 S
K02Q70A	16.2	0.15	K1128	155.300	72.187	323.685	15.321	0.23646	3.09991	3 X
K02Q70M	15.6	0.15	K1128	285.778	78.950	133.494	13.284	0.20074	3.09573	5 X
K02Q91N	15.3	0.15	K1128	165.400	273.433	80.828	6.580	0.13486	3.18613	4 X
K02Q93R	18.2	0.15	K1128	128.063	355.444	345.827	4.262	0.14555	2.33633	3 X
K02Q95J	16.0	0.15	K1128	129.770	254.222	130.280	11.933	0.04225	3.17381	3 X
K02Q97T	15.8	0.15	K1128	340.494	19.961	138.396	10.977	0.03835	3.18054	6 X
K02Q97W	15.2	0.15	K1128	350.168	193.856	322.919	16.077	0.12466	3.13722	7 X
K02QA6V	15.5	0.15	K1128	343.199	210.751	316.327	9.150	0.03599	3.15129	5 X
K02QA7H	17.3	0.15	K1128	228.234	322.322	298.581	5.033	0.12433	2.26169	6 X
K02QA7W	15.2	0.15	K1128	96.654	94.409	313.451	10.433	0.05658	3.19971	6 X
K02QA8B	15.9	0.15	K1128	212.695	138.806	146.128	14.648	0.12954	3.17114	6 X
K02QB0B	16.1	0.15	K1128	212.640	335.656	315.850	10.074	0.05743	3.15839	4 X
K02QD6O	18.3	0.15	K1128	250.498	73.444	182.863	2.216	0.16554	2.22284	6 X
K02QE0Z	17.1	0.15	K1128	52.926	117.610	298.444	9.856	0.20380	2.38125	4 X
K02R23O	16.4	0.15	K1128	349.153	124.539	164.911	3.770	0.16756	2.74017	6 S
K02R46G	14.8	0.15	K1128	208.964	148.539	156.288	20.737	0.21104	3.15973	6 X
K02R50S	16.9	0.15	K1128	101.832	244.521	128.976	2.941	0.21883	2.36533	6 X
K02R59Y	17.4	0.15	K1128	88.939	134.596	262.921	3.829	0.22096	2.35246	4 X
K02R89V	17.6	0.15	K1128	98.307	200.465	179.146	2.139	0.20908	2.35547	4 X
K02RD1M	14.8	0.15	K1128	237.787	315.300	309.280	16.652	0.17910	3.18783	4 X
K02RE8G	17.8	0.15	K1128	80.866	22.492	3.076	2.403	0.20041	2.38433	5 X
K02RF2U	17.3	0.15	K1128	111.768	73.480	289.618	5.561	0.14731	2.35496	5 X
K02RK0J	16.4	0.15	K1128	79.916	174.357	231.086	4.088	0.24483	2.35167	8 X

K02RL9V	17.3	0.15	K1128	64.912	240.753	156.206	5.195	0.24559	2.39235	4 X
K02RM4K	14.7	0.15	K1128	237.105	348.552	287.899	7.891	0.07055	3.17882	7 X
K02RM6O	17.0	0.15	K1128	85.635	55.036	335.112	4.895	0.06993	2.34648	6 S
K02ROOM	15.6	0.15	K1128	275.424	62.713	182.856	9.483	0.06596	3.13409	6 X
K02RO5Q	17.4	0.15	K1128	60.906	275.707	133.962	1.886	0.17389	2.36336	4 X
K02RP9H	18.2	0.15	K1128	55.218	130.882	274.042	1.306	0.20628	2.40680	3 X
K02S07H	17.8	0.15	K1128	34.178	345.271	104.716	2.819	0.13726	2.38292	3 X
K02S29F	16.6	0.15	K1128	107.791	20.037	14.149	7.878	0.14835	2.33251	6 X
K02S48S	17.3	0.15	K1128	89.209	316.284	64.121	3.528	0.20079	2.38915	4 X
K02S72R	17.6	0.15	K1128	29.022	342.790	66.167	3.356	0.17744	2.43790	3 X
K02T09W	17.0	0.15	K1128	79.438	303.925	83.908	3.494	0.18399	2.40113	6 X
K02T12T	17.7	0.15	K1128	107.731	231.357	123.089	2.773	0.19173	2.37684	5 X
K02T30S	16.8	0.15	K1128	66.516	29.722	13.898	2.615	0.23514	2.41860	6 X
K02T42H	17.0	0.15	K1128	81.171	232.497	148.995	1.364	0.23252	2.41768	5 X
K02T82A	16.3	0.15	K1128	55.021	284.989	115.423	6.748	0.15461	2.42103	6 X
K02TA7H	17.4	0.15	K1128	120.040	174.246	189.088	0.675	0.20265	2.37326	6 X
K02TCS5M	16.9	0.15	K1128	219.115	330.376	319.035	9.989	0.16813	2.27138	3 X
K02TD0M	17.6	0.15	K1128	106.564	132.678	236.786	3.791	0.15537	2.35358	4 X
K02TD1Z	16.3	0.15	K1128	64.996	102.815	305.614	4.619	0.19415	2.39929	5 X
K02TF5K	17.3	0.15	K1128	92.344	154.652	222.149	7.952	0.17428	2.36366	4 X
K02TG5P	14.4	0.15	K1128	207.026	10.884	295.766	15.901	0.17236	3.17406	6 X
K02TL4F	17.1	0.15	K1128	39.743	311.128	131.843	6.830	0.18573	2.40820	4 X
K02TM9F	17.1	0.15	K1128	79.585	242.111	156.867	3.113	0.18846	2.39460	5 X
K02TO4Q	18.1	0.15	K1128	87.095	23.397	358.489	0.849	0.18733	2.40107	4 X
K02TR1L	17.4	0.15	K1128	73.715	50.212	342.029	3.230	0.24663	2.41009	3 X
K02TR2A	16.8	0.15	K1128	81.469	153.225	252.642	2.841	0.20522	2.37766	5 X
K02TR8T	16.3	0.15	K1128	340.591	225.851	251.434	6.607	0.20317	2.48031	3 X
K02TZ7H	18.1	0.15	K1128	49.937	52.138	354.828	3.840	0.19847	2.41985	3 X
K02Tb6E	16.9	0.15	K1128	112.778	223.402	140.448	9.133	0.25933	2.38056	3 X
K02U30F	17.3	0.15	K1128	24.428	211.520	236.600	1.500	0.17411	2.43725	3 X
K02U32D	17.3	0.15	K1128	1.035	170.926	248.727	5.342	0.29403	2.55986	3 X
K02U72J	18.0	0.15	K1128	81.266	25.371	0.246	2.685	0.19041	2.41459	3 X
K02U75W	17.6	0.15	K1128	168.943	50.943	265.044	2.604	0.23536	2.34125	4 X
K02V12S	16.8	0.15	K1128	131.476	59.072	275.440	2.093	0.20060	2.39485	7 X
K02V21E	16.6	0.15	K1128	101.094	54.642	309.230	5.600	0.14215	2.40746	5 X
K02V35U	15.9	0.15	K1128	325.044	226.902	234.292	21.051	0.15328	2.58283	4 X
K02V41O	17.5	0.15	K1128	19.862	91.656	12.766	1.659	0.15056	2.43467	7 X
K02V51H	14.9	0.15	K1128	167.373	342.829	58.537	18.745	0.11830	3.16565	4 X
K02VC0B	15.7	0.15	K1128	51.539	71.453	269.693	12.270	0.25333	2.57908	3 X
K02VD9V	15.9	0.15	K1128	145.713	312.588	302.942	7.308	0.11539	2.72883	7 X
K02W07R	16.3	0.15	K1128	23.210	328.177	65.113	9.080	0.19882	2.55517	5 X
K02X09J	16.5	0.15	K1128	104.405	182.381	172.685	1.021	0.20167	2.43737	5 X
K02X25U	17.0	0.15	K1128	48.012	190.539	263.196	5.111	0.09516	2.41722	5 X
K02X25Y	16.9	0.15	K1128	95.990	307.931	64.654	1.928	0.20179	2.43968	7 X
K02X46T	16.1	0.15	K1128	329.277	231.107	302.618	8.009	0.15775	2.45069	3 X
K02XB8D	16.8	0.15	K1128	24.364	282.448	187.619	7.526	0.16352	2.43927	5 X
K02Y17G	16.6	0.15	K1128	34.049	188.920	265.911	9.731	0.22197	2.45584	4 X
K02Y30R	15.8	0.15	K1128	357.969	193.403	281.353	4.795	0.17160	2.52493	8 X
K03A02V	16.6	0.15	K1128	14.532	170.523	294.367	17.468	0.08463	1.94094	3 X
K03A16A	17.5	0.15	K1128	65.232	76.328	325.712	1.528	0.27336	2.47708	3 X
K03A17K	17.1	0.15	K1128	83.316	105.405	300.655	18.944	0.11433	1.90826	4 X
K03A38T	16.7	0.15	K1128	157.464	54.657	288.103	19.883	0.04117	1.90470	4 X
K03A49Y	15.8	0.15	K1128	74.574	62.467	301.803	10.472	0.31290	2.52515	3 X
K03A56V	16.2	0.15	K1128	18.594	337.621	93.483	5.342	0.27281	2.56058	4 X
K03A72W	14.7	0.15	K1128	328.851	64.828	69.228	29.398	0.38003	2.64566	3 X
K03B13Q	16.7	0.15	K1128	340.429	220.060	288.484	3.326	0.14073	2.52617	7 X
K03B39F	16.1	0.15	K1128	236.481	130.389	135.610	6.415	0.15581	2.52227	5 X
K03B42W	16.9	0.15	K1128	23.679	327.534	147.230	27.315	0.03756	1.92122	4 X
K03B54N	17.1	0.15	K1128	350.416	188.760	280.032	3.983	0.24311	2.58079	3 X
K03B64S	16.7	0.15	K1128	50.489	114.123	292.084	3.730	0.24953	2.53193	4 X
K03B80E	16.7	0.15	K1128	24.012	323.254	149.582	24.129	0.06689	1.94390	4 X
K03B80K	16.3	0.15	K1128	352.569	22.558	129.367	7.794	0.20576	2.53868	5 X
K03C07D	16.1	0.15	K1128	332.655	39.832	126.637	10.331	0.10803	2.54726	4 X
K03D01W	16.8	0.15	K1128	1.815	27.429	116.750	4.460	0.09584	2.53297	4 X
K03E18O	17.0	0.15	K1128	355.554	9.147	127.286	4.343	0.23003	2.54255	5 X
K03E33K	16.9	0.15	K1128	15.095	297.563	165.943	11.795	0.21887	2.58277	6 X
K03E37V	16.5	0.15	K1128	358.380	327.473	165.108	17.948	0.09612	2.57175	4 X
K03E57G	15.8	0.15	K1128	305.436	106.451	129.212	12.688	0.23507	2.55449	5 X
K03F00M	16.8	0.15	K1128	306.722	179.981	32.144	11.216	0.26325	2.59484	5 X
K03F03K	16.3	0.15	K1128	308.831	59.698	111.678	24.834	0.07134	1.98024	4 X
K03F25W	16.6	0.15	K1128	278.985	238.537	350.809	3.458	0.15701	2.59416	6 X
K03F32Y	16.5	0.15	K1128	331.984	304.858	14.199	12.375	0.24861	2.32065	3 X
K03F45G	16.3	0.15	K1128	335.856	347.653	180.150	17.319	0.09744	2.57049	5 X
K03F82O	16.1	0.15	K1128	279.314	48.148	175.841	11.605	0.13196	2.64462	5 X
K03FA0E	16.4	0.15	K1128	1.302	10.353	111.330	6.255	0.26205	2.59241	3 X
K03FB7Y	16.2	0.15	K1128	282.476	120.360	31.739	11.373	0.13527	2.74130	3 X
K03G44B	16.1	0.15	K1128	250.291	133.002	139.474	13.657	0.24587	2.66409	4 X
K03H01S	16.1	0.15	K1128	186.915	170.942	122.133	6.024	0.13942	2.75707	8 X
K03H30K	15.8	0.15	K1128	318.227	307.421	232.344	12.273	0.10515	2.66211	5 X
K03K02W	17.0	0.15	K1128	336.811	78.444	108.292	5.769	0.16352	2.60461	5 X
K03P01M	16.0	0.15	K1128	155.759	0.463	313.608	0.605	0.22176	2.99940	9 X
K03Q14O	15.7	0.15	K1128	158.581	72.293	256.630	6.727	0.04619	3.01625	5 X

K03Q27Y	15.4	0.15	K1128	126.114	53.635	291.998	15.399	0.25961	3.08781	4 X
K03Q29C	17.6	0.15	K1128	313.059	83.539	163.418	8.668	0.45067	2.62137	3 X
K03Q31L	15.5	0.15	K1128	105.900	61.952	311.532	25.777	0.18524	3.10506	5 X
K03Q94P	16.2	0.15	K1128	253.371	276.760	11.350	12.215	0.20396	2.77806	7 X
K03R15F	15.7	0.15	K1128	126.707	63.644	282.319	9.770	0.20990	3.12832	3 X
K03S06B	16.2	0.15	K1128	158.886	276.894	49.273	3.939	0.18705	3.11009	5 X
K03S09H	18.0	0.15	K1128	107.524	358.663	356.748	4.695	0.20126	2.18896	3 X
K03S12A	15.9	0.15	K1128	99.887	221.039	157.847	5.010	0.17007	3.13732	5 X
K03S24Y	16.0	0.15	K1128	83.063	72.106	316.656	7.744	0.22016	3.19960	5 X
K03S29X	15.9	0.15	K1128	58.592	255.807	171.501	16.243	0.22431	3.16168	3 X
K03S68G	16.1	0.15	K1128	83.074	188.949	207.657	8.866	0.08855	3.12833	5 X
K03SA7P	17.9	0.15	K1128	101.709	20.718	341.574	5.268	0.17671	2.19601	3 X
K03SG0N	14.9	0.15	K1128	25.121	77.084	31.562	9.920	0.00770	3.08423	6 X
K03SH0Y	18.2	0.15	K1128	118.314	39.802	317.036	1.078	0.16176	2.16481	6 X
K03SH6N	15.4	0.15	K1128	176.767	159.272	169.384	9.916	0.09155	2.99882	7 X
K03SJ1D	15.3	0.15	K1128	63.998	93.456	318.285	12.570	0.21075	3.24056	4 X
K03SN6V	15.1	0.15	K1128	47.245	346.413	3.141	9.813	0.09799	3.56688	4 X
K03SQ4N	17.5	0.15	K1128	71.249	285.417	75.587	3.779	0.14389	2.24565	4 X
K03SR4K	15.5	0.15	K1128	264.763	29.883	203.646	9.211	0.05026	3.11275	7 X
K03SR7G	15.3	0.15	K1128	162.981	357.882	322.762	7.303	0.21162	3.08920	4 X
K03S0B	16.0	0.15	K1128	73.665	102.156	312.734	9.468	0.05607	3.12456	5 X
K03SU0P	15.9	0.15	K1128	210.365	331.255	310.748	7.248	0.05213	3.05342	5 X
K03SV2D	16.0	0.15	K1128	129.000	208.074	170.479	10.227	0.05629	3.04904	4 X
K03Sd4U	16.1	0.15	K1128	11.644	318.555	177.179	17.877	0.09849	3.13962	4 X
K03Sh0Q	16.1	0.15	K1128	224.584	291.747	1.056	9.427	0.00835	3.06735	6 X
K03Sh2U	15.6	0.15	K1128	148.098	17.820	321.943	8.903	0.09662	3.11317	4 X
K03T06D	17.8	0.15	K1128	55.899	323.171	9.036	8.429	0.14819	2.32056	3 X
K03T17O	17.9	0.15	K1128	50.855	68.891	317.062	4.983	0.17096	2.26591	4 X
K03T19Q	16.2	0.15	K1128	118.940	216.953	145.878	0.307	0.17907	3.16214	4 X
K03T33W	17.1	0.15	K1128	96.266	40.828	167.588	5.458	0.07290	2.55252	5 X
K03U01T	15.6	0.15	K1128	28.322	26.506	64.413	9.804	0.03192	3.18317	4 X
K03U07O	15.8	0.15	K1128	143.631	23.223	311.085	18.077	0.20051	3.11793	3 X
K03U51G	15.0	0.15	K1128	189.726	345.031	323.703	18.455	0.15308	3.06170	3 X
K03U55K	16.8	0.15	K1128	73.439	162.234	259.765	6.077	0.13020	2.19379	5 X
K03U65B	14.8	0.15	K1128	142.398	250.394	121.104	10.690	0.10204	3.06083	6 X
K03U70M	16.1	0.15	K1128	142.889	251.430	90.994	2.567	0.14355	3.14895	7 X
K03U78O	15.3	0.15	K1128	275.703	297.896	311.980	8.684	0.09111	2.99562	4 X
K03U96T	15.1	0.15	K1128	122.566	156.502	205.272	10.528	0.07090	3.15658	6 X
K03UB5A	15.8	0.15	K1128	221.010	258.811	40.114	19.663	0.08586	3.06772	5 X
K03UC9W	17.3	0.15	K1128	115.507	99.794	257.890	5.377	0.18807	2.19724	5 X
K03UD1V	16.4	0.15	K1128	120.114	99.234	252.896	6.317	0.20798	2.19456	5 X
K03UH5G	17.6	0.15	K1128	73.687	331.553	352.735	5.295	0.18814	2.30546	3 X
K03UH6D	18.1	0.15	K1128	63.895	52.656	1.225	1.077	0.11831	2.20165	5 X
K03UI1L	17.3	0.15	K1128	67.754	177.594	173.947	3.995	0.21646	2.28874	6 S
K03UI7L	17.0	0.15	K1128	342.107	155.325	290.416	4.099	0.19632	2.33949	3 X
K03UM5U	14.9	0.15	K1128	116.749	121.175	259.367	3.646	0.14114	3.17058	6 X
K03UR6W	17.1	0.15	K1128	3.719	187.449	242.507	6.604	0.22609	2.32056	3 X
K03UX5O	16.5	0.15	K1128	36.353	258.282	182.967	3.276	0.14040	3.21267	4 X
K03UZ4G	17.9	0.15	K1128	156.094	89.771	147.532	5.849	0.12520	2.32727	6 S
K03Ua9O	17.2	0.15	K1128	182.241	358.920	266.398	5.781	0.08513	2.24083	6 X
K03W31J	17.3	0.15	K1128	9.711	154.179	285.525	4.414	0.14221	2.27941	3 X
K03W51O	16.8	0.15	K1128	97.795	260.606	114.529	5.077	0.19589	2.20878	4 X
K03W76A	15.2	0.15	K1128	181.274	2.053	315.477	8.283	0.07763	3.16870	6 X
K03W76T	17.4	0.15	K1128	359.768	184.280	278.695	6.080	0.15435	2.27563	5 X
K03W89X	17.2	0.15	K1128	101.597	121.570	251.043	2.623	0.15412	2.20903	5 X
K03W91B	17.6	0.15	K1128	52.830	359.270	53.659	5.876	0.13180	2.25094	4 X
K03W92X	17.4	0.15	K1128	112.931	84.005	275.570	4.453	0.18581	2.20875	5 X
K03WA3E	17.2	0.15	K1128	64.902	298.390	75.240	5.568	0.16978	2.29416	6 X
K03WB7T	17.8	0.15	K1128	68.681	354.855	39.823	4.410	0.18504	2.25504	2 X
K03WB8E	16.7	0.15	K1128	35.548	134.827	290.547	5.583	0.19197	2.28025	3 X
K03WD2K	18.3	0.15	K1128	52.243	310.430	99.788	0.678	0.19594	2.26205	5 X
K03WF4V	17.5	0.15	K1128	79.701	282.882	109.546	5.787	0.20278	2.22870	5 X
K03X07C	15.9	0.15	K1128	339.872	225.872	302.607	24.119	0.25137	2.29530	3 X
K03X14H	16.5	0.15	K1128	61.592	95.642	293.900	20.570	0.35378	2.26110	2 X
K03X24B	18.2	0.15	K1128	357.617	209.397	216.002	0.974	0.17093	2.35751	4 S
K03Y27R	17.6	0.15	K1128	18.492	195.000	233.642	1.371	0.19894	2.31155	3 X
K03Y29M	17.0	0.15	K1128	52.386	149.398	276.810	7.432	0.13027	2.28124	5 X
K03Y41O	18.3	0.15	K1128	30.301	152.479	288.908	7.015	0.15893	2.30752	2 X
K03Y42C	17.5	0.15	K1128	316.666	63.363	98.589	4.773	0.18196	2.34159	5 X
K03Y44F	17.1	0.15	K1128	304.271	70.831	101.194	5.743	0.17541	2.35197	4 X
K03Y73U	17.2	0.15	K1128	20.037	99.007	291.365	4.941	0.22839	2.35401	3 X
K03Y93B	17.3	0.15	K1128	15.363	296.282	187.071	5.945	0.12148	2.24199	5 X
K03YB7S	18.2	0.15	K1128	267.755	322.014	300.458	29.555	0.33048	1.24945	4 X
K04B00N	17.4	0.15	K1128	106.128	357.995	5.836	3.007	0.19768	2.28074	5 X
K04B01V	19.3	0.15	K1128	111.496	223.180	96.825	12.163	0.36729	1.46257	2 X
K04B03Y	17.8	0.15	K1128	50.842	349.019	95.476	5.272	0.19283	2.26628	4 X
K04B12Q	18.3	0.15	K1128	23.206	164.606	294.966	2.287	0.16722	2.30296	4 X
K04B39L	16.7	0.15	K1128	357.258	209.258	302.285	24.018	0.19747	2.28774	3 X
K04B61F	18.3	0.15	K1128	51.660	131.105	278.222	1.351	0.20469	2.31297	5 X
K04B73O	16.8	0.15	K1128	359.706	207.915	293.164	3.642	0.15072	2.29734	5 X
K04B96L	16.9	0.15	K1128	87.066	80.959	299.861	4.561	0.19799	2.30982	6 X
K04B98E	17.3	0.15	K1128	283.853	244.196	338.896	6.075	0.08909	2.35660	4 X

K04BA5B	17.0	0.15	K1128	329.007	36.058	144.194	7.593	0.15584	2.29361	5 X
K04BA9R	16.3	0.15	K1128	76.038	238.144	159.065	23.537	0.26222	2.27534	4 X
K04BB6M	16.4	0.15	K1128	284.344	82.246	101.096	8.847	0.07446	2.36645	4 X
K04BC8W	18.2	0.15	K1128	75.660	96.143	298.171	2.067	0.18457	2.29745	4 X
K04BD6H	15.3	0.15	K1128	198.658	225.244	96.708	7.050	0.06587	3.44622	7 X
K04C18L	16.6	0.15	K1128	312.877	94.055	113.652	7.043	0.04461	2.27545	6 X
K04C31U	16.7	0.15	K1128	37.347	134.656	307.255	5.120	0.11010	2.31334	5 X
K04C77F	17.5	0.15	K1128	42.216	283.674	144.513	4.217	0.17686	2.33780	4 X
K04C77R	17.1	0.15	K1128	18.596	334.126	140.936	9.773	0.08466	2.31787	6 X
K04C83K	18.2	0.15	K1128	12.774	340.987	138.339	3.580	0.20629	2.31288	3 X
K04C95P	17.4	0.15	K1128	327.450	110.362	63.304	0.238	0.15087	2.34699	6 X
K04D07P	18.4	0.15	K1128	2.501	169.945	325.258	1.717	0.09992	2.32429	3 X
K04D33U	17.1	0.15	K1128	339.531	27.321	140.771	5.402	0.17014	2.33654	5 X
K04D36E	17.1	0.15	K1128	337.241	257.104	283.378	2.789	0.18190	2.31437	4 X
K04D59F	17.0	0.15	K1128	11.796	2.362	120.144	2.936	0.17417	2.33307	5 X
K04D64W	17.3	0.15	K1128	31.845	290.911	164.909	6.679	0.06704	2.35537	6 X
K04D65Y	17.4	0.15	K1128	11.884	11.708	113.796	1.863	0.15931	2.32755	3 X
K04E15S	17.2	0.15	K1128	296.371	301.036	268.302	1.361	0.14030	2.34834	5 X
K04E20M	20.2	0.15	K1128	263.406	314.785	343.867	14.140	0.52388	1.10542	5 X
K04E23E	17.2	0.15	K1128	277.090	77.564	154.464	2.748	0.17057	2.37919	4 X
K04E39P	17.5	0.15	K1128	4.752	272.278	212.633	2.573	0.18509	2.34754	4 X
K04E40W	16.5	0.15	K1128	339.587	190.229	340.503	2.286	0.15192	2.33348	5 X
K04E46D	17.1	0.15	K1128	333.044	353.438	179.568	6.716	0.05829	2.31814	8 X
K04E62A	17.4	0.15	K1128	258.595	68.818	192.043	1.680	0.23253	2.37787	6 X
K04E66A	16.9	0.15	K1128	339.846	187.065	319.081	2.892	0.14381	2.37011	5 X
K04E66B	16.8	0.15	K1128	35.962	176.269	278.672	1.724	0.18112	2.33055	5 X
K04E68A	16.9	0.15	K1128	282.444	286.229	303.981	4.348	0.19177	2.34931	4 X
K04E69R	17.8	0.15	K1128	341.077	19.850	145.752	1.615	0.12235	2.34049	5 X
K04E76T	17.3	0.15	K1128	226.624	168.644	10.030	4.419	0.10928	2.61050	3 X
K04F01G	19.4	0.15	K1128	325.693	21.629	187.433	24.189	0.28554	1.75114	3 X
K04F04B	17.5	0.15	K1128	348.236	347.723	157.111	5.255	0.10075	2.37554	5 X
K04F32A	15.6	0.15	K1128	240.574	131.214	97.351	23.348	0.15359	2.46131	4 X
K04F38T	16.2	0.15	K1128	301.963	336.759	232.548	5.849	0.08705	2.37307	7 X
K04F47L	16.7	0.15	K1128	42.730	74.191	33.840	6.415	0.05262	2.32624	4 X
K04F70E	17.8	0.15	K1128	20.716	273.934	195.568	1.679	0.15830	2.38262	4 X
K04F82Y	16.1	0.15	K1128	285.773	324.456	252.673	9.494	0.11437	2.39157	6 X
K04F93R	17.1	0.15	K1128	319.191	44.118	141.018	3.183	0.12171	2.37199	7 X
K04FG2V	17.5	0.15	K1128	3.461	323.854	176.003	12.516	0.10807	2.34011	5 X
K04G34P	18.2	0.15	K1128	289.413	352.584	221.427	1.665	0.15826	2.40434	2 X
K04G38E	16.5	0.15	K1128	321.201	348.431	210.853	24.395	0.17314	2.33660	4 X
K04G44Y	18.5	0.15	K1128	308.590	287.512	277.605	0.598	0.13938	2.35954	2 X
K04G60K	16.3	0.15	K1128	298.356	222.009	4.663	6.757	0.09779	2.37138	6 X
K04G87C	17.0	0.15	K1128	287.247	294.955	297.927	6.740	0.11910	2.38814	5 X
K04H02J	17.6	0.15	K1128	315.134	351.064	218.159	4.630	0.14133	2.36236	3 X
K04H33V	16.8	0.15	K1128	324.465	55.245	127.763	5.205	0.13328	2.40570	3 X
K04J48V	16.9	0.15	K1128	279.914	145.358	103.229	6.993	0.09977	2.39689	4 X
K04N14J	16.2	0.15	K1128	176.639	177.850	144.102	5.030	0.10600	2.62395	6 X
K04N19X	16.7	0.15	K1128	185.807	172.831	131.043	15.090	0.23886	2.64665	4 X
K04P01K	17.4	0.15	K1128	257.527	114.349	139.679	23.422	0.05514	1.87044	4 X
K04P12K	16.5	0.15	K1128	79.905	260.887	117.281	2.366	0.19562	2.87963	5 X
K04P21P	16.8	0.15	K1128	224.347	143.836	134.289	4.305	0.10432	2.61083	6 X
K04P33F	15.9	0.15	K1128	105.787	240.722	141.558	14.555	0.13795	2.76599	2 S
K04P56X	16.2	0.15	K1128	142.710	173.231	167.188	6.114	0.12774	2.72818	4 X
K04P63J	16.1	0.15	K1128	80.872	282.066	110.545	6.316	0.06461	2.77760	7 X
K04P68S	15.5	0.15	K1128	224.538	352.622	283.885	10.813	0.15766	2.63758	8 X
K04P70R	16.3	0.15	K1128	127.347	27.625	325.440	8.640	0.17663	2.74958	3 X
K04P88V	16.4	0.15	K1128	213.799	181.352	105.281	2.967	0.11718	2.63721	7 X
K04P95B	15.6	0.15	K1128	202.293	46.855	244.207	11.922	0.18103	2.67633	6 X
K04Q20Q	17.0	0.15	K1128	184.531	160.728	134.627	5.384	0.09016	2.72281	7 X
K04Q24M	14.4	0.15	K1128	44.788	123.056	254.871	25.542	0.21045	3.18438	3 X
K04R01P	15.2	0.15	K1128	28.893	165.782	208.214	13.053	0.23192	3.17514	3 X
K04R58L	16.2	0.15	K1128	187.249	311.368	21.288	6.570	0.17850	2.66469	5 X
K04R59G	16.3	0.15	K1128	154.561	37.227	302.602	5.320	0.08429	2.74997	4 X
K04R80S	16.6	0.15	K1128	224.617	278.855	0.818	3.424	0.22945	2.64679	6 X
K04RD8K	15.8	0.15	K1128	54.728	61.804	291.532	14.629	0.09893	3.10444	4 X
K04RE2V	15.8	0.15	K1128	133.610	95.422	257.596	10.815	0.09656	2.80447	3 X
K04RE8D	16.0	0.15	K1128	119.211	244.453	128.706	6.705	0.05062	2.79085	6 X
K04RF9T	15.5	0.15	K1128	186.085	343.550	331.878	15.387	0.22965	2.71708	3 X
K04RF9Z	15.8	0.15	K1128	137.881	43.928	306.867	4.360	0.13773	2.81527	6 X
K04RG7R	16.6	0.15	K1128	74.746	244.805	129.582	9.305	0.25859	2.98273	4 X
K04RH1G	16.6	0.15	K1128	109.967	195.986	187.356	3.967	0.14770	2.77425	6 X
K04RH7R	15.9	0.15	K1128	49.904	165.362	198.611	10.555	0.23126	3.12332	4 X
K04RI1J	15.7	0.15	K1128	184.198	21.364	292.837	3.999	0.15717	2.72073	6 X
K04RI8Y	16.1	0.15	K1128	122.472	199.211	224.986	8.251	0.26873	2.70047	3 X
K04RJ5T	15.3	0.15	K1128	131.908	49.527	260.349	9.094	0.09273	2.99495	4 X
K04RJ9W	14.9	0.15	K1128	84.235	115.185	263.402	12.341	0.21887	3.04989	3 X
K04RK3X	15.2	0.15	K1128	208.523	337.112	308.022	24.250	0.11993	2.71679	5 X
K04RL5U	15.1	0.15	K1128	213.301	334.610	130.152	13.575	0.21298	2.71223	7 X
K04RQ9J	17.1	0.15	K1128	189.476	27.431	285.791	1.085	0.06964	2.71512	6 X
K04RT8R	17.0	0.15	K1128	101.011	7.780	11.908	1.887	0.08464	2.84750	7 X
K04RV9D	16.7	0.15	K1128	129.293	208.349	170.686	9.930	0.06416	2.68881	4 X
K04RW1A	16.3	0.15	K1128	79.418	148.890	275.508	4.534	0.10068	2.77435	6 X

K04RX5B	16.1	0.15	K1128	145.760	196.795	140.312	13.030	0.12157	2.78203	4 X
K04RY5V	15.8	0.15	K1128	190.626	174.071	133.048	14.163	0.17892	2.75957	4 X
K04S11L	15.6	0.15	K1128	122.932	304.826	52.290	9.894	0.16956	2.81556	4 X
K04S21H	15.9	0.15	K1128	59.082	255.165	119.500	19.703	0.43628	3.14194	2 X
K04S37E	16.5	0.15	K1128	4.868	176.404	314.575	7.755	0.14749	2.78206	5 X
K04S50H	15.1	0.15	K1128	65.363	330.210	16.442	12.964	0.06013	3.19454	3 X
K04T00A	16.6	0.15	K1128	161.786	217.605	106.706	4.670	0.09479	2.80641	4 X
K04T18R	15.6	0.15	K1128	52.193	240.852	170.328	9.002	0.25103	3.04762	6 X
K04T28B	16.2	0.15	K1128	172.361	197.700	130.304	1.331	0.07509	2.77563	6 X
K04T37O	16.8	0.15	K1128	56.871	250.767	188.135	1.701	0.03862	2.86796	5 X
K04T41N	16.0	0.15	K1128	8.344	237.367	234.466	7.605	0.22693	3.05198	3 X
K04T60A	16.7	0.15	K1128	128.317	224.867	135.671	2.686	0.11802	2.84151	4 X
K04T75M	16.8	0.15	K1128	102.518	224.093	168.283	0.684	0.04625	2.91100	4 X
K04TC1Z	15.8	0.15	K1128	25.120	267.500	187.277	11.118	0.33264	3.06176	4 X
K04TE4X	16.2	0.15	K1128	84.239	3.192	15.982	2.908	0.22459	3.02580	5 X
K04TE9X	17.2	0.15	K1128	121.745	58.996	309.234	1.006	0.07991	2.86363	4 X
K04TF7G	16.6	0.15	K1128	43.744	15.980	52.357	2.335	0.18237	3.00477	6 X
K04TH2P	15.0	0.15	K1128	60.254	135.198	254.992	10.402	0.33843	3.09427	4 X
K04TH2W	15.2	0.15	K1128	147.039	61.497	275.476	9.951	0.10471	2.92196	4 X
K04TK5E	15.6	0.15	K1128	38.097	21.014	43.835	21.845	0.18219	3.13138	4 X
K04TM5B	16.8	0.15	K1128	70.271	245.718	188.033	4.252	0.04635	2.79999	6 X
K04TM5E	16.5	0.15	K1128	102.409	278.142	38.131	3.124	0.08180	3.12145	4 X
K04TM5M	16.3	0.15	K1128	293.274	39.234	189.353	13.666	0.20737	2.66695	6 X
K04TN9J	16.2	0.15	K1128	154.166	133.822	213.381	5.731	0.07804	2.84356	5 X
K04TO5P	16.4	0.15	K1128	132.655	2.541	19.430	6.049	0.03270	2.75851	4 X
K04TPOF	16.8	0.15	K1128	101.268	334.237	27.943	2.414	0.24194	2.98120	4 X
K04TP9H	16.7	0.15	K1128	98.485	178.120	207.832	1.307	0.03601	2.91231	7 X
K04TQ8D	16.7	0.15	K1128	69.503	342.956	50.079	2.204	0.20987	3.03993	4 X
K04TS4V	16.1	0.15	K1128	126.517	253.383	20.825	13.195	0.16611	3.20535	4 X
K04TT0L	17.0	0.15	K1128	192.403	316.211	347.549	3.278	0.08147	2.81033	5 X
K04TT3A	16.4	0.15	K1128	88.909	60.993	317.025	2.121	0.10436	3.02094	4 X
K04TW6X	15.6	0.15	K1128	20.900	214.151	247.527	13.088	0.06695	2.97181	5 X
K04TY3J	15.8	0.15	K1128	209.621	278.413	37.125	27.695	0.18175	2.70100	4 X
K04TY8A	15.5	0.15	K1128	19.724	40.521	344.976	8.092	0.12588	3.13909	3 X
K04Ta7E	15.2	0.15	K1128	115.477	82.232	283.276	8.693	0.11023	2.98198	3 X
K04Ta9K	15.7	0.15	K1128	90.273	173.560	215.062	8.929	0.06574	2.98752	6 X
K04V04P	16.0	0.15	K1128	124.815	27.678	333.303	7.712	0.30574	2.90478	5 X
K04V04S	15.4	0.15	K1128	34.498	179.638	263.696	14.334	0.17939	3.05035	3 X
K04V13L	14.9	0.15	K1128	39.574	297.481	100.717	14.853	0.29564	3.17840	3 X
K04V24C	16.0	0.15	K1128	146.730	259.529	129.780	9.783	0.17313	2.76965	4 X
K04V37B	17.3	0.15	K1128	40.748	100.560	338.894	0.752	0.12155	3.03947	5 X
K04V38K	16.7	0.15	K1128	98.321	328.498	53.586	2.999	0.07859	3.00112	4 X
K04V57W	15.5	0.15	K1128	80.939	249.022	117.296	23.391	0.27252	3.09335	4 X
K04V59S	15.9	0.15	K1128	28.736	212.736	249.452	10.419	0.11379	3.03706	4 X
K04V60Y	15.2	0.15	K1128	36.398	296.619	123.098	23.013	0.15860	3.12778	3 X
K04V62L	15.6	0.15	K1128	77.963	267.809	134.679	12.153	0.16374	3.01578	5 X
K04V64P	15.4	0.15	K1128	70.593	155.186	236.016	11.929	0.27712	3.09929	3 X
K04V71K	15.8	0.15	K1128	72.431	10.147	41.646	1.732	0.09036	3.01596	6 X
K04X26A	14.7	0.15	K1128	20.132	195.511	286.092	22.934	0.11282	3.11887	6 X
K04X31N	15.2	0.15	K1128	328.826	270.427	281.481	12.533	0.21490	3.16766	6 X
K04X38Y	15.4	0.15	K1128	70.416	257.191	131.019	16.995	0.25334	3.14108	4 X
K04X62R	15.9	0.15	K1128	62.643	306.530	102.300	3.276	0.19902	3.08912	5 X
K04X64X	15.9	0.15	K1128	88.607	89.227	283.230	10.693	0.25715	3.07969	4 X
K04XA3F	15.5	0.15	K1128	21.718	146.596	320.381	13.998	0.23385	3.19030	3 X
K04XA6C	15.3	0.15	K1128	107.208	96.994	280.458	9.329	0.21228	2.99483	5 X
K04XD3E	15.4	0.15	K1128	338.976	228.976	301.672	9.205	0.03716	3.10041	5 X
K04XE0C	15.1	0.15	K1128	333.324	40.576	121.614	7.886	0.09913	3.22044	7 X
K04XE7C	15.6	0.15	K1128	71.390	88.639	316.602	11.697	0.31657	3.06500	4 X
K04XG5B	16.6	0.15	K1128	289.744	294.837	273.959	15.604	0.02300	3.05461	4 X
K04XH7E	15.6	0.15	K1128	17.042	176.793	305.929	8.828	0.03702	3.15916	3 X
K04XJ1R	14.7	0.15	K1128	335.084	228.991	323.616	25.952	0.21949	3.16708	3 X
K04Y04R	15.4	0.15	K1128	8.035	210.922	280.010	9.516	0.16149	3.09699	6 S
K04Y23Z	15.1	0.15	K1128	332.077	300.889	253.078	56.094	0.67675	3.42631	3 X
K05A15A	14.8	0.15	K1128	51.061	332.862	115.079	15.680	0.09151	3.20317	3 X
K05A19F	15.4	0.15	K1128	37.105	274.232	165.298	25.348	0.31952	3.14849	4 X
K05A25N	15.6	0.15	K1128	39.755	11.207	111.430	8.126	0.07392	3.05523	5 X
K05A38D	15.9	0.15	K1128	60.304	211.336	225.305	3.215	0.17273	3.13454	4 X
K05A81J	15.3	0.15	K1128	50.226	126.864	321.053	26.174	0.15199	3.19105	3 X
K05B25D	15.0	0.15	K1128	73.179	116.010	315.228	19.358	0.09491	3.18216	5 X
K05E39P	15.4	0.15	K1128	96.335	276.161	140.347	16.603	0.08980	3.13296	5 X
K05E67Z	17.0	0.15	K1128	258.523	169.793	353.435	7.136	0.04421	2.28112	4 X
K05G09P	16.6	0.15	K1128	123.443	280.215	11.487	26.485	0.18366	2.39275	4 X
K05G76M	17.0	0.15	K1128	335.162	32.043	92.729	7.634	0.10809	2.22394	5 X
K05GF6L	16.1	0.15	K1128	121.152	212.713	113.278	1.553	0.43006	2.45432	8 X
K05J55A	18.0	0.15	K1128	342.806	33.850	116.715	6.352	0.13129	2.20329	3 X
K05J65D	16.1	0.15	K1128	343.845	39.104	209.547	16.681	0.10017	3.19694	3 X
K05JB9S	13.4	0.15	K1128	272.814	271.728	227.809	28.149	0.04503	5.16000	2 X
K05JC7K	17.6	0.15	K1128	293.967	104.727	106.159	3.551	0.09289	2.19396	5 X
K05K13F	17.0	0.15	K1128	154.940	189.913	136.466	3.933	0.18973	2.44388	4 X
K05K13G	18.0	0.15	K1128	283.938	80.539	148.954	2.722	0.10229	2.19917	6 X
K05L00Z	17.9	0.15	K1128	222.284	335.907	315.781	5.574	0.19831	2.23109	5 X
K05L14K	16.1	0.15	K1128	28.672	128.228	261.990	13.967	0.09140	2.60311	4 X



K05M08K	17.7	0.15	K1128	255.107	321.515	284.829	2.452	0.19558	2.28435	5 X
K05M22G	17.2	0.15	K1128	126.961	217.887	125.647	4.174	0.13430	2.46811	4 X
K05M23X	17.7	0.15	K1128	260.225	307.053	298.273	4.394	0.13582	2.28136	6 X
K05M26Z	18.3	0.15	K1128	242.259	117.269	154.472	3.253	0.14922	2.28178	4 X
K05M31E	17.0	0.15	K1128	234.797	120.657	164.755	7.036	0.14986	2.21915	5 X
K05M34L	17.2	0.15	K1128	208.150	153.554	127.873	3.573	0.21909	2.36363	6 X
K05M41N	17.2	0.15	K1128	196.213	186.558	110.264	5.159	0.13735	2.37171	4 X
K05M44D	17.7	0.15	K1128	251.638	145.181	112.884	2.747	0.19514	2.27702	6 X
K05N10J	17.5	0.15	K1128	314.356	285.326	262.044	2.974	0.07761	2.26095	7 X
K05N33G	17.0	0.15	K1128	160.261	199.301	113.724	3.234	0.20824	2.43262	4 X
K05N35N	17.5	0.15	K1128	102.614	70.863	309.373	2.154	0.18967	2.45748	4 S
K05N36E	16.2	0.15	K1128	88.687	20.000	305.141	10.418	0.06430	2.66441	5 X
K05N43J	17.5	0.15	K1128	210.891	22.381	262.659	5.162	0.13026	2.34742	6 X
K05N58U	16.9	0.15	K1128	271.594	309.244	295.279	6.060	0.08458	2.27623	6 X
K05N84F	17.0	0.15	K1128	280.459	298.656	298.929	6.801	0.07785	2.26552	5 X
K05N89Q	16.3	0.15	K1128	142.417	26.954	318.095	5.818	0.14561	2.41777	4 X
K05N91C	17.4	0.15	K1128	243.271	131.605	123.238	4.326	0.08170	2.36008	5 X
K05NC3E	16.3	0.15	K1128	114.163	352.956	31.771	7.714	0.22278	2.44273	6 X
K05O04Y	17.0	0.15	K1128	236.371	329.071	293.323	6.101	0.09288	2.35295	5 X
K05O21G	16.4	0.15	K1128	195.856	163.940	131.714	8.709	0.07797	2.40991	8 X
K05P22B	17.0	0.15	K1128	213.367	339.154	316.115	6.986	0.12007	2.35257	4 X
K05P23M	16.9	0.15	K1128	242.311	177.556	119.451	8.575	0.23738	2.27904	8 X
K05Q28M	17.3	0.15	K1128	257.982	87.415	177.312	5.267	0.14939	2.28936	5 X
K05Q29F	17.0	0.15	K1128	94.553	116.897	284.177	4.784	0.12485	2.46458	4 X
K05Q32F	17.6	0.15	K1128	196.420	326.389	343.012	0.736	0.18850	2.37499	7 X
K05Q44A	17.9	0.15	K1128	234.490	115.882	152.649	3.868	0.17417	2.35896	5 X
K05Q46H	17.4	0.15	K1128	83.894	263.360	138.753	5.230	0.11523	2.52008	5 X
K05Q46T	17.5	0.15	K1128	243.565	174.319	86.912	2.312	0.16496	2.36395	5 X
K05Q53H	17.0	0.15	K1128	207.198	148.416	150.912	4.054	0.18708	2.36353	4 X
K05Q65T	17.0	0.15	K1128	200.290	355.958	289.311	3.976	0.22281	2.40730	4 X
K05QB6K	16.8	0.15	K1128	215.746	314.057	342.728	6.245	0.09862	2.36070	6 X
K05QB8C	16.8	0.15	K1128	7.381	349.295	141.121	3.758	0.13316	2.45412	4 X
K05QE6Y	16.7	0.15	K1128	171.935	203.655	112.895	7.326	0.07595	2.42930	5 X
K05QG7E	16.1	0.15	K1128	130.785	326.281	313.295	12.985	0.15148	2.68405	5 X
K05QI3L	18.2	0.15	K1128	193.472	183.337	116.079	5.731	0.18852	2.38890	5 X
K05QJ0F	17.4	0.15	K1128	110.240	48.760	307.808	1.302	0.13205	2.55569	3 X
K05R01Y	16.1	0.15	K1128	58.817	147.979	274.693	14.259	0.10298	2.59791	4 X
K05R05B	16.5	0.15	K1128	44.219	129.466	303.630	13.007	0.12361	2.61222	3 X
K05R08D	16.7	0.15	K1128	61.104	231.907	174.338	9.175	0.38154	2.69432	4 X
K05R17E	17.1	0.15	K1128	197.980	231.561	70.367	2.851	0.17130	2.39983	8 X
K05R31D	16.5	0.15	K1128	324.140	358.090	147.096	8.571	0.14130	2.56158	4 X
K05R31F	16.1	0.15	K1128	202.243	139.376	157.159	9.849	0.25399	2.40138	4 X
K05R45T	17.7	0.15	K1128	74.761	241.011	164.987	6.675	0.09119	2.56921	5 X
K05S23S	16.1	0.15	K1128	334.589	22.908	142.949	8.281	0.07551	2.47523	5 X
K05S58L	17.1	0.15	K1128	109.113	51.947	312.959	3.096	0.21604	2.58528	4 X
K05S69L	17.2	0.15	K1128	81.786	54.405	341.784	3.643	0.14694	2.60065	5 X
K05S78N	17.6	0.15	K1128	87.519	297.182	94.738	1.737	0.08745	2.57266	3 X
K05S87X	17.4	0.15	K1128	50.186	271.520	179.741	5.952	0.07946	2.52348	5 X
K05SA2Z	16.8	0.15	K1128	72.632	66.997	293.475	3.394	0.08480	2.77027	4 X
K05SA3T	16.8	0.15	K1128	155.195	51.368	284.595	3.146	0.18278	2.52359	6 X
K05SC3K	17.2	0.15	K1128	96.064	50.155	331.005	3.462	0.15120	2.58658	5 X
K05SD0S	15.6	0.15	K1128	265.209	96.479	28.068	16.628	0.05299	3.07413	3 X
K05SD8J	16.3	0.15	K1128	202.513	26.777	262.060	13.970	0.11750	2.47180	6 X
K05SE5T	17.4	0.15	K1128	258.603	151.967	107.316	2.963	0.19081	2.37003	4 X
K05SF0K	17.6	0.15	K1128	273.238	79.012	178.025	4.780	0.20294	2.36720	5 X
K05SF9A	17.4	0.15	K1128	88.320	87.163	293.098	3.392	0.10227	2.64606	3 X
K05SH7X	16.1	0.15	K1128	194.886	351.234	210.541	12.200	0.04055	2.93547	3 X
K05SI1E	17.0	0.15	K1128	312.182	240.330	295.568	3.202	0.08656	2.57316	4 X
K05SK4R	16.7	0.15	K1128	26.634	145.849	266.912	7.972	0.28434	2.78715	3 X
K05SM0G	16.0	0.15	K1128	139.058	42.039	316.092	10.892	0.07214	2.54326	6 X
K05SM3E	16.9	0.15	K1128	105.309	235.397	120.616	6.324	0.18808	2.59971	4 X
K05SN5T	17.2	0.15	K1128	20.469	177.181	292.249	2.034	0.15462	2.64771	5 X
K05SN5U	17.1	0.15	K1128	138.295	350.963	349.706	3.457	0.15850	2.57682	4 X
K05SN7D	16.2	0.15	K1128	78.599	188.975	214.371	14.074	0.08987	2.62741	5 X
K05SO0G	17.2	0.15	K1128	163.944	27.152	285.687	4.482	0.11419	2.56159	5 X
K05SO0K	16.5	0.15	K1128	317.908	227.594	260.060	4.981	0.03581	2.74943	6 X
K05SO0O	16.2	0.15	K1128	118.272	351.653	318.867	4.936	0.05665	2.78466	4 X
K05SO3S	16.0	0.15	K1128	47.462	100.903	321.335	12.701	0.25436	2.65206	3 X
K05SO7U	17.5	0.15	K1128	127.326	147.860	219.536	0.926	0.08531	2.54041	6 X
K05SP3V	17.3	0.15	K1128	190.828	164.194	147.003	6.912	0.15213	2.38857	5 S
K05SP5T	16.6	0.15	K1128	25.821	79.065	338.115	0.912	0.21968	2.74728	3 X
K05SQ5K	17.1	0.15	K1128	92.659	66.478	299.438	5.609	0.27874	2.64163	5 X
K05SS8A	16.3	0.15	K1128	269.036	107.664	92.885	14.945	0.14991	2.71786	4 X
K05SS8W	17.4	0.15	K1128	355.698	358.946	153.469	13.959	0.19957	2.61617	4 X
K05ST0Y	17.7	0.15	K1128	65.129	243.218	162.754	3.693	0.17618	2.67260	2 S
K05T39D	17.1	0.15	K1128	94.042	50.655	333.445	3.631	0.18559	2.60644	4 X
K05T42S	15.8	0.15	K1128	79.031	151.100	244.546	9.018	0.12768	2.67940	5 X
K05T49A	17.3	0.15	K1128	102.197	320.144	44.691	2.974	0.22472	2.63746	3 X
K05T52M	16.5	0.15	K1128	82.574	285.933	105.632	7.356	0.09035	2.68297	3 X
K05T63Z	17.2	0.15	K1128	66.092	65.267	333.923	0.648	0.12801	2.67273	4 X
K05T70Q	16.5	0.15	K1128	41.829	62.167	10.722	4.307	0.08441	2.66316	4 X
K05T75Q	15.9	0.15	K1128	64.910	183.086	224.016	11.468	0.17520	2.69981	5 X

K05TA3X	16.5	0.15	K1128	135.925	27.675	301.293	4.039	0.21512	2.59371	7 X
K05TC1K	17.1	0.15	K1128	251.876	309.648	319.747	2.673	0.22207	2.35646	7 X
K05TC1Z	16.6	0.15	K1128	53.375	305.352	22.829	12.893	0.14074	2.97892	4 X
K05TC4G	17.3	0.15	K1128	286.701	261.783	309.538	1.521	0.14290	2.53026	7 X
K05TD2P	17.2	0.15	K1128	124.658	272.184	81.243	1.374	0.12023	2.59544	5 X
K05TD4S	16.4	0.15	K1128	44.763	125.953	269.394	5.349	0.04983	2.79693	3 X
K05TF3X	17.5	0.15	K1128	71.703	166.148	246.503	1.666	0.14440	2.62748	4 X
K05TF9T	16.6	0.15	K1128	32.176	144.925	263.260	4.033	0.04905	2.78196	5 X
K05TJ5G	17.5	0.15	K1128	132.571	151.517	176.321	3.988	0.06337	2.63979	5 X
K05TJ5V	17.8	0.15	K1128	60.446	290.483	137.734	2.427	0.09726	2.60722	5 X
K05U16Z	15.9	0.15	K1128	183.431	52.144	252.993	9.537	0.03926	2.60484	6 X
K05U24Q	16.7	0.15	K1128	213.380	318.675	324.907	1.562	0.13250	2.53020	5 X
K05U26Y	16.4	0.15	K1128	175.050	306.525	12.753	2.558	0.12849	2.54420	5 X
K05U34G	17.1	0.15	K1128	159.702	243.611	92.209	0.665	0.15983	2.55676	5 X
K05U34S	17.3	0.15	K1128	167.890	110.274	216.076	2.167	0.13840	2.56858	4 X
K05U37Q	17.0	0.15	K1128	111.669	190.903	190.191	1.686	0.07219	2.63527	6 X
K05U38U	16.7	0.15	K1128	34.208	5.776	66.815	4.939	0.08042	2.77250	3 X
K05U63M	17.3	0.15	K1128	61.645	250.756	176.927	0.841	0.09295	2.66916	4 X
K05U66Q	16.6	0.15	K1128	74.522	273.278	122.585	8.273	0.20120	2.66119	7 X
K05U67B	16.5	0.15	K1128	63.220	156.191	245.831	2.859	0.21325	2.75109	7 X
K05U70J	15.9	0.15	K1128	28.513	141.740	269.674	5.421	0.06268	2.78692	5 X
K05U75O	16.4	0.15	K1128	120.211	46.064	299.249	13.372	0.15182	2.63330	4 X
K05U77M	16.3	0.15	K1128	24.594	244.524	212.242	7.401	0.19993	2.75151	5 X
K05U97P	17.6	0.15	K1128	123.371	266.217	90.555	4.375	0.10902	2.63624	5 X
K05U99O	17.6	0.15	K1128	12.336	325.885	139.518	4.089	0.15384	2.74733	4 X
K05UA4C	16.5	0.15	K1128	11.266	190.182	197.394	4.102	0.16158	3.06633	4 X
K05UC7Y	17.8	0.15	K1128	60.752	34.783	27.545	2.354	0.12719	2.67602	5 X
K05UF5V	16.9	0.15	K1128	13.858	286.002	181.192	9.658	0.41493	2.81962	2 X
K05UF5X	15.5	0.15	K1128	88.700	258.319	82.907	13.313	0.19278	2.80382	5 X
K05UI3F	16.2	0.15	K1128	78.064	80.484	232.415	8.456	0.04246	3.04885	4 X
K05UI9B	16.8	0.15	K1128	337.316	102.149	26.335	4.967	0.05828	2.72354	4 X
K05UJ3E	17.2	0.15	K1128	14.311	300.061	188.160	3.156	0.14904	2.58646	6 X
K05UM4Y	17.0	0.15	K1128	179.496	11.841	310.693	2.405	0.04431	2.53857	6 X
K05UN4C	16.8	0.15	K1128	212.768	147.765	145.267	3.271	0.14031	2.52686	5 X
K05UN8M	17.0	0.15	K1128	161.655	194.946	140.535	4.612	0.05943	2.60548	4 X
K05UN9D	16.8	0.15	K1128	119.335	220.180	140.487	4.715	0.09272	2.65647	6 X
K05UO1M	16.2	0.15	K1128	139.082	337.457	2.875	3.541	0.16303	2.64731	4 X
K05UQ9H	16.9	0.15	K1128	354.313	12.797	76.906	1.634	0.03213	2.77623	6 X
K05UV2E	17.2	0.15	K1128	334.152	346.263	181.123	3.879	0.16492	2.60999	4 X
K05UV3N	16.4	0.15	K1128	85.820	300.083	115.187	7.665	0.12319	2.55954	5 X
K05UX8J	17.8	0.15	K1128	52.024	241.428	183.806	1.809	0.12317	2.67581	4 X
K05UY8V	15.5	0.15	K1128	138.236	97.940	248.874	13.881	0.13984	2.62737	3 X
K05Ua6H	16.3	0.15	K1128	57.144	248.372	198.778	9.757	0.05239	2.59305	7 X
K05Uc2O	16.7	0.15	K1128	85.945	239.023	136.396	5.132	0.25569	2.65639	4 X
K05Uc4L	15.1	0.15	K1128	58.065	302.053	35.746	10.342	0.10885	3.07283	3 X
K05Ud3Q	16.5	0.15	K1128	104.441	261.775	126.180	5.337	0.05412	2.60011	6 X
K05Ud8H	16.9	0.15	K1128	81.759	204.005	156.847	2.105	0.33784	2.75127	3 X
K05UeOM	17.0	0.15	K1128	234.574	351.714	268.017	2.629	0.06371	2.61330	5 X
K05Uf3K	15.7	0.15	K1128	9.124	154.955	245.026	10.060	0.11590	3.00104	4 X
K05Ug8J	17.4	0.15	K1128	9.858	206.595	264.910	3.628	0.01218	2.70443	2 X
K05Uh0L	17.0	0.15	K1128	357.506	171.978	310.146	1.733	0.01860	2.70372	5 X
K05Uj2F	15.8	0.15	K1128	13.135	212.766	273.518	14.111	0.09118	2.83906	3 X
K05Uk0T	17.1	0.15	K1128	116.323	103.044	256.821	3.538	0.13859	2.69084	5 X
K05Um1Y	17.6	0.15	K1128	52.476	78.086	324.029	7.118	0.25931	2.73805	2 X
K05Um6M	16.5	0.15	K1128	79.796	97.549	292.712	11.657	0.18074	2.63591	4 X
K05Um6T	17.0	0.15	K1128	86.357	67.480	298.709	11.586	0.28640	2.65771	3 X
K05Uo9G	16.9	0.15	K1128	114.027	227.344	130.280	4.277	0.19518	2.63951	6 X
K05Up1M	17.4	0.15	K1128	27.465	197.920	271.019	1.892	0.07671	2.68443	4 X
K05Up6R	17.8	0.15	K1128	226.150	176.779	98.924	3.121	0.17102	2.43000	5 X
K05Ur0T	16.5	0.15	K1128	9.191	202.666	196.951	10.005	0.10916	3.00868	4 X
K05V04Y	16.8	0.15	K1128	358.223	305.079	188.610	4.881	0.09231	2.62703	4 X
K05V14S	16.2	0.15	K1128	357.083	341.167	89.640	6.489	0.09332	2.96682	4 X
K05V19A	18.1	0.15	K1128	44.840	48.361	23.967	1.493	0.13113	2.68696	4 X
K05V34H	15.9	0.15	K1128	23.414	280.047	80.954	8.744	0.12408	2.97050	4 X
K05V41E	17.2	0.15	K1128	319.245	33.869	153.708	3.029	0.07137	2.63658	4 X
K05V43G	16.3	0.15	K1128	69.855	323.592	112.060	8.578	0.10280	2.51234	6 X
K05V70G	16.1	0.15	K1128	15.871	226.265	169.644	3.854	0.13281	3.03391	3 X
K05V74Q	17.2	0.15	K1128	9.030	25.918	84.076	6.889	0.12215	2.78595	3 X
K05V76C	16.0	0.15	K1128	89.203	160.213	241.492	13.216	0.07057	2.56685	5 X
K05V76L	16.2	0.15	K1128	93.591	106.764	264.565	14.541	0.23692	2.60873	4 X
K05V81F	16.2	0.15	K1128	326.889	290.305	244.430	11.591	0.11964	2.70683	3 X
K05V96M	16.4	0.15	K1128	82.094	94.302	298.112	2.413	0.04874	2.68915	6 X
K05VD5X	17.1	0.15	K1128	117.589	119.877	245.130	4.412	0.09134	2.67627	3 X
K05W04R	15.7	0.15	K1128	29.369	71.924	299.405	11.405	0.31174	3.00222	2 X
K05W08G	16.7	0.15	K1128	64.600	273.928	135.934	14.221	0.23303	2.66124	3 X
K05W19K	16.6	0.15	K1128	3.490	358.145	135.225	10.017	0.24883	2.77407	5 X
K05W22M	17.3	0.15	K1128	107.285	318.529	35.784	2.528	0.29513	2.68414	5 X
K05W46Z	16.7	0.15	K1128	24.084	192.783	263.058	3.431	0.01785	2.76100	5 X
K05W66L	16.5	0.15	K1128	226.747	185.968	82.205	4.017	0.06140	2.66160	6 X
K05W67R	17.0	0.15	K1128	51.023	192.688	238.007	2.968	0.07851	2.75079	4 X
K05W68Z	17.6	0.15	K1128	324.980	300.178	243.191	1.666	0.13308	2.70049	3 X
K05W74G	16.7	0.15	K1128	349.550	19.674	83.659	25.288	0.10633	1.89926	3 X

K05W94W	15.8	0.15	K1128	52.936	290.199	84.419	8.314	0.23517	2.92017	4 X
K05W97M	16.6	0.15	K1128	356.930	218.309	286.806	1.251	0.02260	2.66338	5 X
K05WA0J	15.5	0.15	K1128	46.506	113.969	235.571	9.733	0.12831	3.08891	5 X
K05WC1B	16.9	0.15	K1128	23.820	25.496	77.141	3.134	0.21580	2.76276	5 X
K05WC6V	17.1	0.15	K1128	61.781	296.501	96.805	8.767	0.22972	2.78328	2 X
K05WEOG	16.1	0.15	K1128	78.300	266.471	91.663	8.044	0.13400	3.02641	5 X
K05WF2R	15.6	0.15	K1128	3.973	145.360	257.410	10.256	0.02968	3.12826	2 X
K05WF5M	16.7	0.15	K1128	38.472	161.276	278.487	5.513	0.02768	2.81531	4 X
K05WF8N	16.1	0.15	K1128	357.307	115.411	116.596	3.649	0.33631	3.06156	2 X
K05WH8W	15.7	0.15	K1128	46.952	292.208	126.868	10.238	0.15148	2.79083	6 X
K05WI6S	16.9	0.15	K1128	83.551	98.472	284.901	4.012	0.13124	2.71996	3 X
K05WI9F	16.4	0.15	K1128	356.139	5.512	98.959	9.006	0.22693	2.90594	4 X
K05WJ5O	15.0	0.15	K1128	341.434	51.122	116.502	20.932	0.38440	3.06991	2 X
K05WK1Q	17.2	0.15	K1128	59.642	47.432	15.834	2.423	0.06167	2.74515	4 X
K05WK3V	15.3	0.15	K1128	331.179	76.627	33.771	22.073	0.23199	3.16227	2 X
K05X10A	16.7	0.15	K1128	240.428	304.149	306.026	3.799	0.01069	2.70554	5 X
K05X24W	16.3	0.15	K1128	122.197	245.407	107.082	3.904	0.05571	2.92402	6 X
K05X26L	17.3	0.15	K1128	36.926	292.336	98.451	9.049	0.32537	2.97627	3 X
K05X28U	15.6	0.15	K1128	335.186	38.696	36.259	11.689	0.08690	3.09402	2 X
K05X45F	15.2	0.15	K1128	254.500	233.027	287.196	7.147	0.09371	3.18412	5 X
K05X54N	17.6	0.15	K1128	47.444	145.712	279.419	3.564	0.08273	2.78157	3 X
K05X57D	15.5	0.15	K1128	13.602	320.813	95.844	9.905	0.08531	3.00034	4 X
K05X67U	15.3	0.15	K1128	33.489	104.775	264.746	9.481	0.09181	3.13695	4 X
K05X77U	15.1	0.15	K1128	22.927	283.275	98.909	19.304	0.49047	3.08363	3 X
K05X83T	15.3	0.15	K1128	3.528	10.097	50.590	5.965	0.30001	3.08188	5 X
K05XA9T	15.5	0.15	K1128	36.790	311.400	113.631	9.909	0.14936	3.00878	5 X
K05XB0Z	15.1	0.15	K1128	272.528	91.712	147.162	5.480	0.08297	3.07637	7 X
K05XB6L	15.6	0.15	K1128	299.823	68.755	92.878	12.420	0.10269	2.92626	4 X
K05Y02M	16.1	0.15	K1128	33.266	114.115	256.892	11.017	0.06823	3.09852	4 X
K05Y08X	17.8	0.15	K1128	79.389	258.100	104.855	24.824	0.19653	1.87398	3 X
K05Y09H	16.8	0.15	K1128	0.317	225.803	263.877	4.661	0.05563	2.71959	6 X
K05Y10Y	17.0	0.15	K1128	121.016	272.687	87.371	3.234	0.07815	2.76172	5 X
K05Y13F	16.3	0.15	K1128	120.961	54.453	291.931	10.078	0.11362	2.95189	3 X
K05Y40K	15.8	0.15	K1128	299.169	54.259	107.399	5.310	0.07190	3.07674	4 X
K05Y43L	16.6	0.15	K1128	331.758	71.432	118.366	9.969	0.08658	2.76365	3 X
K05Y44Y	16.7	0.15	K1128	43.866	324.354	117.320	8.613	0.11054	2.83942	4 X
K05Y55D	16.2	0.15	K1128	276.617	137.046	123.615	8.792	0.16710	2.68600	5 X
K05Y57K	15.9	0.15	K1128	78.175	289.538	61.572	3.966	0.10781	3.10280	5 X
K05Y57T	17.4	0.15	K1128	95.732	86.865	304.383	2.448	0.13885	2.79466	4 X
K05Y64X	16.3	0.15	K1128	272.489	263.128	320.828	1.117	0.01256	2.80213	6 X
K05Y65X	17.1	0.15	K1128	29.544	338.802	100.338	9.116	0.21681	2.88379	3 X
K05Y71G	16.5	0.15	K1128	46.018	155.348	305.703	8.181	0.03037	2.71686	4 X
K05Y81D	16.3	0.15	K1128	24.679	205.889	258.415	0.971	0.02672	2.85360	7 X
K05Y81K	16.7	0.15	K1128	222.429	157.494	112.355	7.473	0.01972	2.83507	4 X
K05Y90H	17.1	0.15	K1128	153.607	116.660	283.782	11.084	0.05318	2.57310	3 X
K05Y99L	17.2	0.15	K1128	76.046	2.235	34.594	2.353	0.07183	2.87194	5 X
K05YA4E	17.4	0.15	K1128	351.776	41.532	104.239	5.424	0.05076	2.80237	5 X
K05YA7K	17.1	0.15	K1128	197.156	199.633	103.181	1.906	0.05182	2.76696	7 X
K05YB0Y	16.2	0.15	K1128	222.211	140.958	125.464	9.111	0.15216	2.90310	6 X
K05YC3P	16.3	0.15	K1128	39.002	51.557	64.107	4.064	0.02348	2.72372	5 X
K05YG0S	16.8	0.15	K1128	19.164	161.237	259.165	8.182	0.12821	3.06508	3 X
K05YI8Y	17.8	0.15	K1128	59.397	300.524	131.758	23.361	0.06732	1.85505	3 X
K05YJ8Q	16.7	0.15	K1128	129.358	146.908	212.423	0.955	0.10282	2.80267	5 X
K05YK5C	16.5	0.15	K1128	340.944	206.985	297.329	15.733	0.05515	2.92596	2 X
K05YK8T	14.9	0.15	K1128	152.424	38.999	316.198	13.985	0.13196	2.57434	5 X
K05YM4D	17.0	0.15	K1128	95.450	20.158	3.762	1.726	0.08048	2.83724	6 X
K05YM4O	16.9	0.15	K1128	49.231	343.083	82.879	4.625	0.07193	2.79571	4 X
K05YN6R	16.9	0.15	K1128	355.536	6.840	132.902	2.975	0.01241	2.84558	6 X
K05YR2H	16.2	0.15	K1128	46.290	304.440	70.267	3.047	0.23142	3.15379	3 X
K05YT1F	16.7	0.15	K1128	67.899	35.471	18.704	2.079	0.05966	2.86484	5 X
K06A03K	14.9	0.15	K1128	346.304	24.164	103.410	30.472	0.20518	3.16888	4 X
K06A06M	15.8	0.15	K1128	333.734	55.428	95.864	11.316	0.26888	3.08346	4 X
K06A07Z	15.5	0.15	K1128	27.428	207.941	260.282	9.706	0.09281	2.85869	6 X
K06A08A	15.5	0.15	K1128	350.775	28.867	156.660	11.728	0.24491	2.79261	5 X
K06A08F	17.0	0.15	K1128	29.232	331.243	131.080	22.809	0.09757	1.87277	6 X
K06A14E	16.6	0.15	K1128	95.033	238.689	148.783	1.710	0.05864	2.94125	6 X
K06A23J	16.8	0.15	K1128	334.027	17.793	96.365	2.502	0.10657	3.11625	2 X
K06A25T	16.7	0.15	K1128	61.306	87.159	297.992	4.249	0.26929	2.91912	3 X
K06A47L	15.0	0.15	K1128	217.067	151.783	83.867	9.952	0.04061	3.09677	4 X
K06A51B	16.7	0.15	K1128	111.497	143.007	226.516	1.157	0.07916	2.86157	7 X
K06A53C	16.9	0.15	K1128	87.399	229.371	164.561	2.370	0.06935	2.89763	6 X
K06A59H	16.5	0.15	K1128	307.805	287.449	296.401	6.353	0.16848	2.78589	4 X
K06A63E	15.9	0.15	K1128	252.668	307.749	310.782	7.945	0.12185	2.80533	5 X
K06A63N	16.1	0.15	K1128	160.718	201.680	118.943	4.398	0.21843	2.84098	6 X
K06A65M	16.3	0.15	K1128	173.420	210.288	109.523	3.250	0.05982	2.85769	7 X
K06A78B	15.7	0.15	K1128	203.634	169.600	131.085	5.378	0.16637	2.79797	5 X
K06A83S	15.5	0.15	K1128	356.606	12.977	73.562	11.507	0.11794	3.11083	3 X
K06A93B	15.2	0.15	K1128	141.560	195.323	104.099	7.253	0.15603	3.19941	5 X
K06A96Z	15.3	0.15	K1128	53.198	0.788	105.695	32.716	0.10687	2.65303	5 X
K06B03S	17.2	0.15	K1128	298.475	97.490	116.211	2.337	0.23636	2.92858	3 X
K06B08G	15.7	0.15	K1128	56.446	283.610	141.926	4.974	0.14743	3.00165	5 X
K06B17O	15.9	0.15	K1128	241.915	301.383	302.072	9.180	0.06402	2.97827	4 X

K06B29G	16.3	0.15	K1128	225.062	175.079	92.351	3.955	0.04607	2.95580	6 X
K06B32H	15.5	0.15	K1128	281.183	69.655	139.916	12.061	0.02428	3.05612	7 X
K06B33M	15.5	0.15	K1128	40.546	280.921	153.134	16.851	0.11424	3.11327	5 X
K06B35Y	17.1	0.15	K1128	181.064	295.758	17.566	1.736	0.06567	2.91224	4 X
K06B37Q	16.3	0.15	K1128	107.574	235.066	124.115	11.748	0.16354	2.97216	2 X
K06B38R	16.6	0.15	K1128	319.055	36.235	138.116	2.473	0.11870	3.04966	2 X
K06B52P	16.5	0.15	K1128	218.479	319.795	320.007	11.112	0.00351	2.92308	5 X
K06B56B	16.3	0.15	K1128	222.261	302.670	323.329	4.679	0.02655	3.05078	3 X
K06B67V	16.8	0.15	K1128	65.877	359.477	52.576	2.728	0.10100	2.94896	6 X
K06B82M	16.0	0.15	K1128	351.019	186.797	307.367	3.661	0.16936	3.02281	6 X
K06B83C	15.8	0.15	K1128	304.739	70.879	144.358	7.724	0.20896	2.90217	5 X
K06BA2P	15.8	0.15	K1128	242.577	104.028	150.724	9.517	0.06963	3.00713	6 X
K06BB0C	16.2	0.15	K1128	273.374	112.984	120.187	7.981	0.24016	3.04138	5 X
K06BB5A	15.8	0.15	K1128	183.588	354.434	299.920	4.324	0.15144	3.17060	5 X
K06BD0S	16.0	0.15	K1128	237.093	280.660	340.191	4.570	0.10858	3.12070	6 X
K06BE1P	15.9	0.15	K1128	73.498	89.607	326.935	7.937	0.04138	2.94924	6 X
K06BE3R	15.8	0.15	K1128	171.899	136.474	177.339	5.020	0.13434	3.09545	6 X
K06BF6M	16.1	0.15	K1128	50.053	299.849	143.576	11.683	0.08271	3.00572	5 X
K06BF8G	16.2	0.15	K1128	70.686	249.354	152.518	1.886	0.14591	3.09021	5 X
K06BF8M	16.9	0.15	K1128	298.528	53.502	158.252	3.790	0.08093	2.99694	6 X
K06BF9L	16.5	0.15	K1128	177.645	22.832	299.138	4.366	0.04394	2.97984	6 X
K06BG6A	16.6	0.15	K1128	325.023	106.483	73.796	0.624	0.08184	2.97083	5 X
K06BH9U	16.3	0.15	K1128	261.609	223.238	20.786	1.315	0.14877	2.99591	3 X
K06BI1F	15.6	0.15	K1128	273.200	88.198	135.711	9.826	0.04343	2.99775	4 X
K06BJ4Z	17.3	0.15	K1128	338.474	356.001	158.870	9.031	0.13012	3.00338	2 X
K06BK4A	16.4	0.15	K1128	303.655	58.729	131.375	10.235	0.04255	2.99011	3 X
K06BO4U	16.8	0.15	K1128	61.424	352.741	73.428	2.479	0.08199	2.96017	6 X
K06BO8W	16.1	0.15	K1128	296.916	143.506	64.647	1.989	0.08967	2.99561	7 X
K06BP4O	15.8	0.15	K1128	232.716	114.307	149.614	10.784	0.06411	3.01587	6 X
K06BQ3P	16.1	0.15	K1128	222.836	137.617	139.697	8.339	0.01539	3.03486	5 X
K06BR6W	16.5	0.15	K1128	89.983	4.103	25.676	2.357	0.07431	2.98784	4 X
K06BS3R	15.7	0.15	K1128	149.229	37.764	306.821	7.223	0.09625	2.90965	4 X
K06C52U	16.3	0.15	K1128	41.269	301.691	141.234	11.070	0.06941	2.95991	6 X
K06C61H	14.7	0.15	K1128	165.041	4.464	296.631	9.583	0.00272	3.09709	4 X
K06C65N	16.5	0.15	K1128	75.213	271.712	138.146	2.929	0.11596	2.91031	6 X
K06C67W	16.7	0.15	K1128	17.507	277.117	203.527	0.831	0.12206	3.05309	4 X
K06D05D	16.8	0.15	K1128	299.766	38.486	157.862	6.118	0.06241	3.07465	4 X
K06D16E	16.6	0.15	K1128	323.111	42.820	137.309	13.988	0.02662	2.96478	4 X
K06D24B	16.2	0.15	K1128	175.821	160.203	154.536	10.636	0.05222	3.12405	6 X
K06D26Z	15.9	0.15	K1128	215.165	130.309	164.537	10.762	0.04224	3.05001	5 X
K06D31V	16.8	0.15	K1128	344.279	340.830	174.082	0.977	0.25848	3.03337	5 X
K06D33D	16.0	0.15	K1128	317.201	17.647	172.328	16.738	0.15675	3.08937	6 X
K06D34D	16.4	0.15	K1128	290.092	49.148	168.703	5.771	0.16828	3.14667	5 X
K06D35B	16.4	0.15	K1128	347.079	131.774	16.587	2.316	0.18556	3.09567	3 X
K06D35V	16.0	0.15	K1128	60.185	246.845	182.406	0.722	0.12280	3.11176	7 X
K06D42S	17.1	0.15	K1128	165.591	46.074	340.281	7.491	0.12186	2.68070	3 X
K06D47Q	16.5	0.15	K1128	242.003	288.563	330.382	5.173	0.14071	3.09278	4 X
K06D48C	17.0	0.15	K1128	94.997	92.058	302.203	0.500	0.06527	3.02473	5 X
K06D49W	15.6	0.15	K1128	323.159	205.459	6.789	7.807	0.23044	2.89361	7 X
K06D57A	15.5	0.15	K1128	260.704	118.846	117.799	6.268	0.16192	3.16354	6 X
K06D57F	15.6	0.15	K1128	6.655	346.536	111.257	16.149	0.33649	3.08733	4 X
K06D64V	16.4	0.15	K1128	322.967	69.807	105.148	4.283	0.19343	3.04904	2 X
K06D70P	16.4	0.15	K1128	59.563	1.071	52.389	2.235	0.14942	3.04449	6 X
K06D76W	16.7	0.15	K1128	51.877	306.827	133.696	3.185	0.06092	3.04784	5 X
K06D78E	17.0	0.15	K1128	238.145	146.206	124.451	2.201	0.12330	3.06294	6 X
K06D78H	16.9	0.15	K1128	346.958	139.168	11.449	1.323	0.11121	3.02994	4 X
K06D78O	16.2	0.15	K1128	182.003	330.846	347.768	7.743	0.10897	3.05453	5 X
K06D89Y	16.0	0.15	K1128	111.032	217.933	174.109	10.529	0.00084	3.09525	6 X
K06D92P	16.7	0.15	K1128	222.876	58.619	219.030	0.683	0.04085	3.11708	6 X
K06DA2V	16.6	0.15	K1128	303.169	52.477	154.839	1.512	0.12872	3.05150	4 X
K06DA4R	15.8	0.15	K1128	327.313	346.150	178.828	9.404	0.04649	3.13769	4 X
K06DB0E	16.2	0.15	K1128	352.104	310.627	187.438	9.961	0.18206	3.12788	7 X
K06DB1K	15.7	0.15	K1128	293.738	203.341	350.001	3.480	0.09588	3.17504	5 X
K06DD9P	17.7	0.15	K1128	12.101	89.863	149.073	3.357	0.16347	2.55854	4 X
K06DF4Z	16.1	0.15	K1128	351.207	297.070	208.967	5.587	0.22854	3.05703	4 X
K06DF8G	15.6	0.15	K1128	8.478	316.924	160.707	17.678	0.16532	3.07045	2 X
K06DG1W	16.3	0.15	K1128	248.431	176.516	82.593	2.147	0.12326	3.04394	7 X
K06DJ0Q	16.7	0.15	K1128	327.431	90.280	78.142	3.260	0.10268	3.16464	5 X
K06DJ5Y	15.6	0.15	K1128	335.926	51.162	91.342	11.873	0.12527	3.13146	4 X
K06DK1U	15.1	0.15	K1128	251.822	106.993	97.731	11.152	0.04062	3.18795	7 X
K06E07B	16.0	0.15	K1128	44.183	298.472	150.248	1.490	0.05901	3.08080	7 X
K06E24H	17.2	0.15	K1128	19.253	278.915	185.369	0.783	0.14124	3.02503	4 X
K06E55Q	16.1	0.15	K1128	95.790	140.707	257.956	2.466	0.02630	3.07406	6 X
K06E60C	16.1	0.15	K1128	9.592	311.057	191.292	10.380	0.02564	3.03899	6 X
K06E60F	16.4	0.15	K1128	353.084	166.411	338.018	3.826	0.12552	3.09336	4 X
K06F00A	16.1	0.15	K1128	338.202	356.262	179.106	10.519	0.18448	3.02258	4 X
K06F01E	16.0	0.15	K1128	264.512	80.779	177.226	12.939	0.08360	3.03436	5 X
K06F09M	15.3	0.15	K1128	319.347	251.916	315.237	23.933	0.31499	3.06652	3 X
K06F17J	15.6	0.15	K1128	243.355	271.784	17.865	9.427	0.12069	3.09663	4 X
K06F17M	15.8	0.15	K1128	349.175	311.320	193.537	13.287	0.14109	3.18121	5 X
K06F35G	15.2	0.15	K1128	291.461	126.075	94.265	4.696	0.19202	3.14406	5 X
K06G31K	15.5	0.15	K1128	302.641	5.609	218.909	4.511	0.10526	3.17775	7 X

K06H12Y	15.7	0.15	K1128	316.875	43.784	151.182	6.499	0.12841	3.19315	7 X
K06HB6M	16.2	0.15	K1128	325.241	305.815	247.516	3.814	0.13149	3.19868	5 X
K06J06A	17.1	0.15	K1128	255.402	127.971	156.392	22.653	0.11212	1.88614	4 X
K06J07B	15.6	0.15	K1128	224.519	230.034	72.299	5.253	0.07313	3.24808	6 X
K06J43U	15.2	0.15	K1128	284.859	107.881	136.178	26.472	0.27588	3.18059	4 X
K06K42F	17.6	0.15	K1128	170.376	352.071	232.523	5.526	0.12323	2.19888	5 X
K06L01U	15.2	0.15	K1128	335.020	320.449	238.086	24.056	0.33294	3.13163	4 X
K06Q11Q	17.9	0.15	K1128	114.204	296.176	351.604	5.973	0.21157	2.33279	4 X
K06Q15X	17.6	0.15	K1128	54.726	318.579	31.778	1.779	0.20450	2.40677	3 X
K06Q17G	18.2	0.15	K1128	108.955	235.054	129.683	8.181	0.16689	2.19277	4 X
K06Q21J	18.4	0.15	K1128	78.906	204.741	183.006	2.262	0.20746	2.24166	4 X
K06Q26G	17.7	0.15	K1128	97.286	54.567	314.328	6.475	0.21336	2.24095	2 X
K06Q50W	17.2	0.15	K1128	105.292	163.015	191.643	1.772	0.20643	2.26545	5 X
K06Q58H	16.6	0.15	K1128	82.700	71.587	263.120	8.284	0.25785	2.36794	5 X
K06Q83O	18.0	0.15	K1128	77.862	176.060	200.662	0.845	0.23987	2.28911	4 X
K06Q88X	17.7	0.15	K1128	116.608	330.135	15.850	4.530	0.20258	2.24889	3 X
K06Q97G	17.8	0.15	K1128	63.065	235.638	162.310	7.044	0.23136	2.30583	4 X
K06QA8G	17.3	0.15	K1128	63.914	82.225	280.824	1.193	0.20540	2.37266	4 X
K06QB2R	16.9	0.15	K1128	80.742	259.112	88.381	5.602	0.22881	2.34948	4 X
K06QB3J	16.9	0.15	K1128	53.202	98.023	277.393	2.552	0.20129	2.37870	6 X
K06QC8E	17.2	0.15	K1128	68.447	98.877	271.860	6.351	0.10138	2.29882	3 X
K06QD7K	17.6	0.15	K1128	67.921	169.814	252.829	3.200	0.14271	2.23457	4 X
K06QF0Y	16.3	0.15	K1128	48.388	72.979	160.156	11.140	0.07119	2.96246	4 X
K06QI7K	17.3	0.15	K1128	70.424	97.146	262.159	5.518	0.15770	2.35084	3 X
K06R05Q	17.8	0.15	K1128	341.550	328.470	184.722	4.095	0.06687	2.20376	5 X
K06R07Q	18.5	0.15	K1128	103.916	119.245	244.974	1.811	0.19048	2.23725	2 X
K06R18P	17.7	0.15	K1128	172.955	109.130	205.329	4.346	0.22036	2.15893	5 X
K06R23C	17.8	0.15	K1128	112.555	184.170	175.237	4.384	0.18589	2.22464	5 X
K06R49V	18.0	0.15	K1128	332.618	329.610	192.893	2.993	0.08081	2.22215	5 X
K06R97C	17.5	0.15	K1128	87.868	180.141	208.701	3.891	0.13389	2.27210	4 X
K06R98R	18.1	0.15	K1128	79.987	36.054	2.306	4.059	0.11798	2.24838	4 X
K06RA1Q	17.4	0.15	K1128	54.924	290.956	82.855	3.316	0.21213	2.38308	5 X
K06RC1U	18.5	0.15	K1128	51.353	247.245	169.112	2.038	0.20426	2.32586	2 X
K06RC2G	17.3	0.15	K1128	112.222	71.027	304.352	6.309	0.11571	2.19412	4 X
K06S00W	18.0	0.15	K1128	99.559	72.551	297.713	2.404	0.19808	2.26514	3 X
K06S12N	17.5	0.15	K1128	108.936	239.768	119.732	6.810	0.27175	2.27068	5 X
K06S21O	17.6	0.15	K1128	60.806	194.523	219.408	6.415	0.13608	2.26361	4 X
K06S22U	18.1	0.15	K1128	162.236	198.372	121.879	6.006	0.24220	2.15699	4 X
K06S27B	17.5	0.15	K1128	86.971	94.401	279.309	4.754	0.18173	2.29943	5 X
K06S35Q	17.5	0.15	K1128	108.334	153.276	209.592	2.060	0.19843	2.25482	4 X
K06S63R	17.7	0.15	K1128	67.497	256.072	135.306	3.036	0.21770	2.32852	4 X
K06S76F	17.3	0.15	K1128	26.037	358.280	57.266	2.144	0.15112	2.43428	4 X
K06S88U	17.3	0.15	K1128	102.080	266.786	31.129	5.546	0.07634	2.52230	5 X
K06S93O	17.3	0.15	K1128	11.237	243.740	193.353	0.829	0.14784	2.43651	5 X
K06S97G	18.3	0.15	K1128	20.343	326.358	151.327	1.168	0.02725	2.21997	4 X
K06SB7N	17.8	0.15	K1128	34.016	251.136	161.139	1.130	0.16656	2.41887	5 X
K06SB7U	18.2	0.15	K1128	43.539	230.869	193.019	1.180	0.16468	2.34620	4 X
K06SE0Z	18.5	0.15	K1128	56.091	130.646	271.452	3.435	0.28948	2.36049	3 X
K06SE1L	17.1	0.15	K1128	83.029	286.962	109.596	7.120	0.09376	2.26229	5 X
K06SI1W	16.8	0.15	K1128	135.179	217.855	122.661	6.758	0.20404	2.23170	5 X
K06SL3S	17.5	0.15	K1128	119.261	154.205	199.910	4.003	0.18967	2.23589	4 X
K06SL8V	16.8	0.15	K1128	184.442	347.873	282.248	6.898	0.21086	2.21770	6 X
K06SN9T	18.2	0.15	K1128	40.602	258.713	168.034	3.334	0.26006	2.35070	2 S
K06SP1C	18.2	0.15	K1128	11.413	279.456	192.819	3.914	0.20810	2.31047	2 X
K06SQ7U	17.8	0.15	K1128	267.842	280.137	317.998	3.957	0.07047	2.17837	5 X
K06SR9H	17.5	0.15	K1128	47.174	128.613	291.837	3.604	0.16035	2.33732	5 X
K06SS3B	17.5	0.15	K1128	77.645	348.808	35.515	6.422	0.14322	2.28321	4 X
K06SU6T	17.2	0.15	K1128	13.572	334.243	105.664	3.165	0.18508	2.44357	2 X
K06SV5C	18.8	0.15	K1128	67.519	223.430	174.304	5.677	0.18866	2.32403	3 X
K06SW5Q	17.6	0.15	K1128	47.414	268.226	180.805	4.498	0.12717	2.25301	4 X
K06SW7R	17.6	0.15	K1128	41.233	297.793	150.650	3.165	0.10244	2.27471	5 X
K06SY5D	17.5	0.15	K1128	106.070	112.925	250.619	2.434	0.19585	2.27554	6 X
K06SZ2G	18.2	0.15	K1128	82.629	98.031	288.195	3.969	0.18281	2.29421	3 X
K06SZ3O	17.7	0.15	K1128	106.238	219.320	157.915	4.537	0.13370	2.24741	4 X
K06SZ7A	17.3	0.15	K1128	52.142	277.592	99.629	3.397	0.20417	2.45885	3 X
K06Sd8Q	17.5	0.15	K1128	38.117	103.110	221.454	10.493	0.20027	2.59663	3 X
K06Sd9O	16.5	0.15	K1128	155.031	201.900	25.262	12.706	0.22466	2.55918	3 X
K06Se0Y	16.9	0.15	K1128	51.515	291.887	122.669	9.994	0.19142	2.35125	6 X
K06T12P	17.9	0.15	K1128	75.910	251.813	134.492	3.149	0.17532	2.30996	4 X
K06T13J	17.9	0.15	K1128	78.229	289.218	101.500	2.717	0.18039	2.30007	5 X
K06T20U	17.6	0.15	K1128	28.646	329.600	119.870	0.241	0.18327	2.36133	6 X
K06T21R	17.8	0.15	K1128	41.213	243.845	194.170	1.891	0.14082	2.34202	6 X
K06T23R	17.0	0.15	K1128	335.828	320.393	201.137	8.434	0.12095	2.28142	4 X
K06T27S	17.7	0.15	K1128	157.215	295.788	32.985	2.032	0.09897	2.24343	6 X
K06T34M	18.3	0.15	K1128	50.545	198.958	243.249	3.071	0.14082	2.29381	3 X
K06T39X	17.9	0.15	K1128	78.725	345.493	36.111	2.895	0.18441	2.35495	2 X
K06T45T	17.7	0.15	K1128	129.373	156.416	200.306	1.721	0.18282	2.24881	5 X
K06T57O	17.6	0.15	K1128	77.897	220.181	192.986	4.865	0.14042	2.28092	6 X
K06T57V	17.3	0.15	K1128	82.309	213.631	192.479	4.347	0.13090	2.24786	4 X
K06T66H	17.5	0.15	K1128	20.959	0.042	61.653	3.101	0.19963	2.42739	4 X
K06T80R	17.0	0.15	K1128	211.117	38.503	259.227	5.132	0.12226	2.16132	6 X
K06T90H	17.1	0.15	K1128	42.709	46.453	303.730	1.787	0.23346	2.60163	5 X

K06T99U	18.1	0.15	K1128	8.064	217.945	273.269	3.404	0.25299	2.32181	3 X
K06TA4H	17.3	0.15	K1128	329.911	67.481	61.149	3.368	0.14692	2.45139	5 X
K06TC5W	16.5	0.15	K1128	356.729	276.741	31.584	3.108	0.31010	3.02077	3 X
K06U05H	18.2	0.15	K1128	36.312	311.416	119.437	4.595	0.26324	2.35582	5 X
K06U06U	17.0	0.15	K1128	80.552	0.100	53.976	5.720	0.20337	2.26731	4 X
K06U15D	18.0	0.15	K1128	29.585	318.346	125.610	2.059	0.16008	2.38713	3 X
K06U27K	16.4	0.15	K1128	147.650	185.396	31.914	4.864	0.01003	2.78734	3 X
K06U29G	17.6	0.15	K1128	317.507	341.776	217.201	2.896	0.12694	2.17404	5 X
K06U32H	17.9	0.15	K1128	36.255	221.425	216.442	3.447	0.20921	2.36765	5 X
K06U33G	17.7	0.15	K1128	6.558	5.783	84.922	1.168	0.14221	2.42707	6 X
K06U36A	18.4	0.15	K1128	52.271	75.241	337.238	1.639	0.18047	2.37409	4 X
K06U36H	17.1	0.15	K1128	34.941	170.887	271.477	1.762	0.15861	2.35490	3 X
K06U64Q	17.4	0.15	K1128	112.936	89.876	272.763	6.919	0.15846	2.29809	4 X
K06U85H	17.8	0.15	K1128	23.293	198.758	271.790	1.386	0.11576	2.30852	3 X
K06U90L	16.3	0.15	K1128	7.512	108.689	237.852	8.110	0.13370	2.87514	4 X
K06U90X	17.8	0.15	K1128	156.146	53.335	272.268	1.686	0.19785	2.25823	3 X
K06UB2H	17.5	0.15	K1128	21.377	260.337	203.950	6.555	0.10396	2.22802	4 X
K06UD8X	17.8	0.15	K1128	105.043	82.744	276.247	3.844	0.24751	2.31507	4 X
K06UG8D	18.1	0.15	K1128	8.265	359.897	80.453	3.139	0.16099	2.43985	2 X
K06UI4L	16.5	0.15	K1128	133.302	40.111	293.294	6.781	0.21501	2.30075	5 X
K06UJ3Q	18.4	0.15	K1128	63.725	54.641	25.699	4.361	0.08959	2.23309	3 X
K06UK9A	18.0	0.15	K1128	33.447	272.141	199.754	4.929	0.10419	2.25678	6 X
K06UM8O	16.6	0.15	K1128	45.121	151.224	266.887	2.592	0.17353	2.38372	5 X
K06UN2J	17.5	0.15	K1128	57.878	288.677	140.617	5.792	0.12752	2.27225	5 X
K06UO6P	18.1	0.15	K1128	286.366	2.178	216.249	4.074	0.11621	2.20454	5 X
K06UP2C	16.7	0.15	K1128	83.917	62.594	316.611	3.883	0.24299	2.34438	5 X
K06UR4D	17.8	0.15	K1128	68.456	97.029	293.744	1.536	0.19257	2.39127	3 X
K06US2W	17.2	0.15	K1128	30.380	185.213	267.302	1.604	0.16055	2.34151	6 X
K06US5Z	17.9	0.15	K1128	59.211	344.434	66.917	2.328	0.17372	2.35969	3 X
K06UT1K	16.9	0.15	K1128	33.181	324.208	130.278	6.115	0.22219	2.37179	3 X
K06UU9C	16.6	0.15	K1128	326.068	114.750	186.700	7.330	0.09525	3.15571	3 X
K06UX7N	16.8	0.15	K1128	355.580	27.074	66.821	5.723	0.09426	2.43701	3 X
K06UZ9Z	17.9	0.15	K1128	303.665	136.791	84.146	4.361	0.09824	2.15707	5 X
K06V00Z	15.9	0.15	K1128	326.900	54.577	101.358	12.769	0.21125	2.64224	5 X
K06V12D	17.1	0.15	K1128	40.028	335.860	87.324	3.244	0.18795	2.42784	3 X
K06V18T	17.9	0.15	K1128	45.740	161.690	264.240	2.418	0.12962	2.36999	4 X
K06V19F	17.6	0.15	K1128	338.032	275.895	258.473	3.601	0.09027	2.25749	6 X
K06V29V	16.8	0.15	K1128	23.609	216.793	248.774	6.235	0.05510	2.35452	3 X
K06V30K	17.9	0.15	K1128	42.996	58.681	14.225	2.149	0.14763	2.39070	4 X
K06V41Q	18.0	0.15	K1128	49.217	235.565	179.965	0.881	0.17393	2.39968	5 X
K06V44K	17.1	0.15	K1128	66.342	312.444	101.361	3.654	0.15544	2.33411	6 X
K06V50Q	17.0	0.15	K1128	7.947	129.964	339.586	1.606	0.15629	2.44054	5 X
K06V58F	17.6	0.15	K1128	38.351	246.360	191.466	2.654	0.16968	2.39166	4 X
K06V64B	16.3	0.15	K1128	262.009	59.997	76.891	5.824	0.05686	2.78367	5 X
K06V67N	17.8	0.15	K1128	59.147	345.181	66.378	4.383	0.16170	2.39608	2 X
K06V75H	16.7	0.15	K1128	108.926	117.632	264.137	5.619	0.11645	2.33160	4 X
K06V87L	17.0	0.15	K1128	20.833	167.573	290.889	4.383	0.18676	2.39029	3 X
K06V93T	16.9	0.15	K1128	229.878	357.512	184.814	4.034	0.11095	2.68676	4 X
K06V97X	17.3	0.15	K1128	267.766	322.486	285.145	4.993	0.07403	2.22155	5 X
K06VA0S	17.0	0.15	K1128	46.669	282.258	114.193	2.655	0.14902	2.45437	5 X
K06VA1M	17.3	0.15	K1128	38.261	300.892	124.135	3.394	0.17189	2.40468	4 X
K06VA3X	17.7	0.15	K1128	57.959	259.731	151.693	2.421	0.24587	2.39869	4 X
K06VA5P	18.4	0.15	K1128	101.033	350.176	42.007	2.942	0.05277	2.28462	4 X
K06VA6G	17.0	0.15	K1128	136.250	209.849	137.461	7.432	0.24226	2.23509	6 X
K06VB5F	17.6	0.15	K1128	68.307	319.975	82.023	2.315	0.17548	2.36076	4 X
K06VC8Q	17.5	0.15	K1128	75.569	339.224	1.552	4.239	0.17443	2.52996	3 X
K06VD2W	17.0	0.15	K1128	358.951	275.975	216.535	5.886	0.06578	2.33661	8 X
K06VD5L	17.7	0.15	K1128	102.307	107.136	267.775	1.206	0.12323	2.33589	6 X
K06VF2G	18.2	0.15	K1128	82.344	104.649	276.600	0.341	0.19323	2.35398	4 X
K06VF4A	18.2	0.15	K1128	60.018	223.556	179.118	0.920	0.17948	2.37255	6 X
K06VG8K	17.2	0.15	K1128	60.209	120.084	302.601	1.421	0.17145	2.38452	5 X
K06VG9O	16.6	0.15	K1128	61.749	288.820	76.545	2.842	0.18209	2.55232	3 X
K06W02H	15.6	0.15	K1128	75.478	267.749	113.029	14.066	0.16409	2.45318	5 X
K06W04H	17.8	0.15	K1128	45.733	338.631	95.589	3.530	0.18021	2.39946	4 X
K06W18S	16.5	0.15	K1128	26.334	344.958	101.548	7.254	0.06323	2.37901	4 X
K06W27H	18.0	0.15	K1128	56.462	198.727	224.199	1.641	0.17388	2.36936	3 X
K06W41U	17.9	0.15	K1128	60.510	262.536	138.631	3.275	0.18369	2.39461	2 X
K06W56S	15.6	0.15	K1128	88.094	70.599	264.371	2.117	0.19454	2.56321	5 X
K06W72A	17.8	0.15	K1128	292.275	253.218	251.030	2.999	0.15787	2.59430	4 X
K06W79F	17.8	0.15	K1128	13.609	213.281	281.126	4.102	0.10376	2.30608	4 X
K06W86R	16.8	0.15	K1128	11.337	155.300	246.090	6.284	0.27045	2.63243	3 X
K06W89D	17.7	0.15	K1128	18.316	119.640	348.777	2.097	0.16419	2.42555	3 X
K06W90B	17.6	0.15	K1128	50.674	203.469	217.525	2.038	0.18924	2.43969	3 X
K06W97Z	16.6	0.15	K1128	66.324	292.918	73.164	1.308	0.13773	2.51666	5 X
K06WA0Y	16.7	0.15	K1128	20.530	195.980	286.177	4.489	0.17673	2.33166	5 X
K06WA2F	17.3	0.15	K1128	92.363	281.386	116.771	8.591	0.21582	2.27690	7 X
K06WA3W	18.4	0.15	K1128	4.010	275.478	218.625	0.903	0.13004	2.36449	6 X
K06WB0C	17.1	0.15	K1128	94.565	283.683	83.360	7.785	0.11762	2.43041	3 X
K06WC1C	17.2	0.15	K1128	201.723	163.387	121.879	6.316	0.16533	2.30471	5 X
K06WC7K	16.2	0.15	K1128	42.248	348.627	102.359	28.278	0.30734	2.30679	3 X
K06WC9A	17.6	0.15	K1128	13.682	338.077	142.394	5.135	0.16104	2.34360	4 X
K06WD5Q	18.2	0.15	K1128	43.666	296.984	123.999	3.738	0.20150	2.41816	2 X

K06WF0P	16.3	0.15	K1128	43.286	285.465	107.769	6.755	0.25394	2.52651	3 X
K06WG5E	17.7	0.15	K1128	9.571	224.563	260.555	1.390	0.15647	2.36455	6 X
K06WH4W	18.1	0.15	K1128	73.583	220.241	174.014	1.106	0.19526	2.38981	3 X
K06WH6V	17.2	0.15	K1128	224.611	145.401	128.569	6.864	0.11155	2.26421	6 X
K06WI9D	16.4	0.15	K1128	355.451	13.777	121.539	16.254	0.16521	2.60030	4 X
K06WK0A	16.9	0.15	K1128	147.733	55.475	268.714	2.726	0.16088	2.37435	6 X
K06WK5A	17.7	0.15	K1128	37.981	325.379	69.369	3.898	0.17390	2.57503	2 X
K06X04U	17.1	0.15	K1128	16.506	212.860	274.111	4.386	0.18196	2.40640	4 X
K06X09X	16.9	0.15	K1128	22.209	131.199	283.153	3.963	0.25470	2.57929	3 X
K06X15K	16.0	0.15	K1128	35.669	136.232	264.159	4.425	0.15767	2.58818	5 X
K06X19B	16.4	0.15	K1128	41.921	119.130	269.736	3.823	0.26675	2.57685	3 X
K06X26L	17.5	0.15	K1128	66.190	274.942	119.752	5.127	0.18278	2.42747	4 X
K06X35L	16.9	0.15	K1128	22.732	331.235	94.779	14.719	0.14561	2.58114	2 X
K06X38Q	16.3	0.15	K1128	18.848	336.187	96.611	15.189	0.15786	2.60183	4 X
K06X40T	16.9	0.15	K1128	340.418	1.537	157.088	3.689	0.12719	2.42101	6 X
K06X43C	16.7	0.15	K1128	120.368	249.644	109.054	3.296	0.22442	2.42005	4 X
K06X46Y	16.3	0.15	K1128	334.682	163.745	341.136	1.862	0.14345	2.46398	7 X
K06X47Z	17.5	0.15	K1128	65.384	181.805	231.533	4.384	0.22044	2.37898	4 X
K06X52T	17.1	0.15	K1128	56.003	163.106	270.938	4.451	0.20597	2.39278	5 X
K06X57B	16.6	0.15	K1128	45.655	150.550	285.781	11.248	0.20825	2.38265	5 X
K06X68Y	17.7	0.15	K1128	52.801	154.844	275.716	1.636	0.14696	2.44255	6 X
K06X70K	17.5	0.15	K1128	342.928	220.887	310.082	6.198	0.16495	2.41699	4 X
K06X73N	15.8	0.15	K1128	170.898	176.714	148.392	5.109	0.13885	2.62291	6 X
K06Y01O	16.9	0.15	K1128	11.552	184.547	297.724	2.857	0.15680	2.55682	7 X
K06Y13V	17.7	0.15	K1128	312.701	202.967	348.466	2.167	0.13378	2.37583	4 X
K06Y16P	17.2	0.15	K1128	2.125	130.086	313.142	1.774	0.11150	2.64509	3 X
K06Y26Z	18.1	0.15	K1128	61.046	45.840	9.278	1.186	0.16257	2.45064	5 X
K06Y52O	16.8	0.15	K1128	68.997	87.729	279.484	3.989	0.06064	2.71215	3 X
K06Y53V	16.7	0.15	K1128	255.566	118.259	124.376	8.495	0.18561	2.58195	4 X
K07A08T	16.7	0.15	K1128	356.679	128.821	288.281	9.425	0.08309	2.86473	2 X
K07A10B	17.2	0.15	K1128	344.676	224.531	295.333	1.365	0.12142	2.45740	5 X
K07A10X	17.3	0.15	K1128	341.092	24.899	119.833	15.028	0.18872	2.55489	3 X
K07A13P	17.2	0.15	K1128	13.097	348.517	128.512	3.328	0.13832	2.47204	5 X
K07A14Z	16.9	0.15	K1128	57.083	354.351	100.242	6.337	0.05653	2.30588	4 X
K07A16N	17.1	0.15	K1128	13.592	320.303	151.140	2.655	0.16678	2.53465	6 X
K07A16X	17.0	0.15	K1128	353.332	205.824	301.428	4.150	0.09738	2.45379	5 X
K07A18X	16.0	0.15	K1128	330.811	48.260	116.464	7.148	0.06594	2.44792	6 X
K07A18Y	17.1	0.15	K1128	17.317	334.823	139.566	2.826	0.16869	2.45379	5 X
K07A20Z	16.9	0.15	K1128	314.649	49.593	134.446	4.415	0.09623	2.56247	5 X
K07A21C	16.8	0.15	K1128	104.534	267.761	135.661	14.878	0.07257	2.44324	4 X
K07A25S	15.8	0.15	K1128	341.015	41.014	101.798	14.272	0.21433	2.66596	5 X
K07A27G	17.0	0.15	K1128	82.274	265.514	135.033	14.567	0.13664	2.51053	6 X
K07B00L	17.1	0.15	K1128	349.400	204.314	300.901	2.868	0.16433	2.48395	3 X
K07B02J	16.6	0.15	K1128	17.205	326.629	99.909	14.434	0.28746	2.65767	3 X
K07B11C	16.7	0.15	K1128	310.622	74.610	104.469	8.643	0.13108	2.59138	5 X
K07B11K	16.9	0.15	K1128	53.862	313.888	112.007	2.489	0.02287	2.52626	4 X
K07B19X	16.5	0.15	K1128	59.272	359.695	30.776	4.109	0.20053	2.56705	4 X
K07B26X	17.5	0.15	K1128	71.767	114.487	309.315	9.392	0.15455	2.42743	4 X
K07B27M	16.8	0.15	K1128	34.753	315.786	123.210	13.144	0.18000	2.54548	4 X
K07B27Y	16.9	0.15	K1128	52.178	273.747	112.270	5.851	0.17728	2.67657	5 X
K07B31Q	16.8	0.15	K1128	83.182	274.971	121.444	2.169	0.19204	2.44059	6 X
K07B36R	16.6	0.15	K1128	35.837	311.843	93.356	7.121	0.27757	2.61409	3 X
K07B38D	16.8	0.15	K1128	14.590	155.008	273.931	4.964	0.18920	2.63942	4 X
K07B42G	17.2	0.15	K1128	334.353	202.591	310.375	0.853	0.14684	2.58382	3 X
K07B52R	16.3	0.15	K1128	32.190	297.357	117.895	8.651	0.29851	2.59232	3 X
K07B56G	16.4	0.15	K1128	346.369	12.257	113.073	11.332	0.08999	2.62586	4 X
K07B64T	17.2	0.15	K1128	343.483	2.274	148.687	6.410	0.09887	2.57526	4 X
K07B67H	17.6	0.15	K1128	4.911	161.295	327.553	5.481	0.19090	2.55722	5 X
K07B68K	17.3	0.15	K1128	339.907	352.443	158.752	5.069	0.02070	2.59201	5 X
K07B69Q	17.4	0.15	K1128	27.608	315.105	130.575	3.546	0.14295	2.60548	5 X
K07B69S	16.8	0.15	K1128	250.919	293.725	328.032	8.725	0.17753	2.57748	3 X
K07B78D	17.2	0.15	K1128	131.099	199.784	162.469	1.966	0.05027	2.59877	5 X
K07B78K	17.1	0.15	K1128	44.107	146.792	286.559	3.341	0.13948	2.58457	4 X
K07B81J	16.4	0.15	K1128	209.601	332.947	320.074	14.282	0.17726	2.57946	4 X
K07B88S	17.3	0.15	K1128	97.441	270.421	109.021	4.028	0.19030	2.47131	5 X
K07B96O	17.7	0.15	K1128	282.548	286.050	302.751	2.768	0.07692	2.46403	3 X
K07BA0M	17.8	0.15	K1128	18.501	3.383	102.992	1.637	0.11547	2.58764	5 X
K07C05U	15.6	0.15	K1128	78.419	272.132	93.724	15.736	0.17565	2.64152	5 X
K07C08O	16.8	0.15	K1128	183.986	174.837	120.563	10.756	0.07707	2.55511	5 X
K07C11W	16.4	0.15	K1128	38.394	138.306	295.550	12.649	0.15646	2.56940	4 X
K07C12X	17.3	0.15	K1128	313.901	73.288	119.097	5.651	0.15005	2.53423	3 X
K07C13Y	16.5	0.15	K1128	2.251	168.277	308.973	3.476	0.13598	2.60717	6 X
K07C20B	17.7	0.15	K1128	14.979	48.155	84.737	3.653	0.15157	2.44726	6 X
K07C20O	16.0	0.15	K1128	278.380	286.397	307.968	5.381	0.19546	2.54466	6 X
K07C27A	21.3	0.15	K1128	160.799	200.045	123.002	29.970	0.34374	0.86559	2 X
K07C28T	17.6	0.15	K1128	39.220	156.000	273.918	0.994	0.16371	2.53327	3 X
K07C29S	17.9	0.15	K1128	352.226	177.784	313.596	7.645	0.10788	2.56711	2 X
K07C33A	18.2	0.15	K1128	342.029	199.028	314.166	3.053	0.12069	2.54665	2 X
K07C40D	17.0	0.15	K1128	284.898	65.636	137.194	5.846	0.06315	2.61875	2 X
K07C47E	16.2	0.15	K1128	176.605	155.544	171.798	11.111	0.06210	2.54861	4 X
K07C54N	17.3	0.15	K1128	7.868	216.962	282.853	3.236	0.21069	2.54038	5 X
K07C56Y	16.3	0.15	K1128	10.292	158.425	300.524	5.175	0.17818	2.63469	5 X

K07C65U	17.7	0.15	K1128	64.120	96.886	305.892	0.896	0.14038	2.61672	5 X
K07D01S	16.5	0.15	K1128	39.388	251.289	173.518	11.304	0.23891	2.55686	5 X
K07D06F	16.3	0.15	K1128	141.793	3.310	351.189	5.281	0.18573	2.60587	6 X
K07D11R	17.3	0.15	K1128	29.957	187.736	259.239	6.198	0.21431	2.52037	3 X
K07D12Q	16.1	0.15	K1128	49.143	303.736	123.082	14.592	0.06349	2.69994	2 X
K07D13A	17.2	0.15	K1128	19.328	148.546	299.260	5.070	0.26510	2.60357	4 X
K07D13T	16.7	0.15	K1128	114.788	44.765	317.598	10.461	0.16862	2.46482	4 X
K07D23X	17.0	0.15	K1128	264.220	275.239	335.341	1.546	0.14458	2.60405	6 X
K07D26Z	17.0	0.15	K1128	203.729	148.937	138.840	6.652	0.03189	2.67537	5 X
K07D29E	16.6	0.15	K1128	251.937	283.527	351.344	14.973	0.11483	2.55283	6 X
K07D33R	16.9	0.15	K1128	340.074	358.536	152.337	3.767	0.03401	2.68633	7 X
K07D42J	16.7	0.15	K1128	345.283	195.383	324.612	3.726	0.12118	2.55810	5 X
K07D46G	17.2	0.15	K1128	291.683	264.782	298.312	7.465	0.12612	2.52265	3 X
K07D58E	17.1	0.15	K1128	247.559	56.446	189.671	3.423	0.04655	2.71065	5 X
K07D60D	16.5	0.15	K1128	349.880	338.642	167.869	11.448	0.12681	2.63017	5 X
K07D63U	17.1	0.15	K1128	75.228	247.639	145.210	3.103	0.10281	2.70038	4 X
K07D75B	17.3	0.15	K1128	43.767	95.988	346.090	3.476	0.05225	2.67298	6 X
K07D77S	16.8	0.15	K1128	4.000	178.843	315.794	5.396	0.23203	2.56403	5 X
K07D77W	16.4	0.15	K1128	197.014	166.580	133.554	6.218	0.06499	2.57826	4 X
K07D84K	17.0	0.15	K1128	292.058	61.494	173.382	9.256	0.13118	2.62218	4 X
K07D84L	16.6	0.15	K1128	309.055	24.303	186.515	9.022	0.09275	2.70806	6 X
K07D84R	16.7	0.15	K1128	0.745	304.978	172.161	31.112	0.32815	2.58180	3 X
K07D86C	15.5	0.15	K1128	325.603	117.242	340.422	8.828	0.05495	3.10981	3 X
K07D93N	16.5	0.15	K1128	239.953	150.375	101.016	4.327	0.11830	2.73527	4 X
K07DA9R	16.7	0.15	K1128	277.573	44.570	193.020	2.129	0.14718	2.67253	5 X
K07DB0M	16.9	0.15	K1128	31.651	264.059	178.708	6.182	0.21878	2.63571	5 X
K07E00E	17.4	0.15	K1128	37.892	165.179	281.296	1.589	0.16635	2.58928	5 X
K07E00J	18.1	0.15	K1128	9.564	3.603	61.832	8.330	0.62932	2.49892	2 X
K07E04Z	17.5	0.15	K1128	9.012	324.116	164.811	7.876	0.19883	2.56401	6 X
K07E07P	17.3	0.15	K1128	102.822	198.143	179.243	3.438	0.08444	2.70693	6 X
K07E09P	16.2	0.15	K1128	1.553	57.066	353.797	10.798	0.10120	3.07998	2 X
K07E10D	17.3	0.15	K1128	316.825	34.324	154.455	13.347	0.19361	2.54503	5 X
K07E18Q	16.4	0.15	K1128	359.668	25.887	90.272	6.153	0.20344	2.65511	2 X
K07E26J	18.4	0.15	K1128	51.891	224.308	176.404	29.045	0.26868	1.64143	3 X
K07E36H	15.7	0.15	K1128	281.037	92.538	133.976	13.768	0.16809	2.71246	5 X
K07E49H	17.4	0.15	K1128	286.736	99.221	134.431	5.509	0.19063	2.56075	5 X
K07E52A	17.1	0.15	K1128	14.379	156.035	314.327	4.148	0.22840	2.60498	5 X
K07E54G	16.8	0.15	K1128	320.009	160.538	40.438	6.285	0.02117	2.68716	6 X
K07E56R	16.9	0.15	K1128	346.997	17.841	139.134	4.848	0.19067	2.60548	5 X
K07E56Y	15.0	0.15	K1128	236.582	138.070	37.910	11.717	0.09574	3.24082	5 X
K07E63H	16.9	0.15	K1128	191.479	288.845	17.364	2.780	0.08599	2.69051	8 X
K07E67A	17.9	0.15	K1128	315.635	53.924	144.597	4.543	0.13798	2.62515	5 X
K07E74F	17.0	0.15	K1128	1.885	306.089	186.904	11.709	0.20068	2.63763	4 X
K07E80D	16.4	0.15	K1128	340.913	207.032	315.065	5.297	0.15253	2.65054	5 X
K07E84E	17.8	0.15	K1128	339.204	11.944	133.940	6.281	0.09055	2.71120	2 X
K07E85D	16.3	0.15	K1128	265.140	276.325	351.818	12.637	0.15186	2.63150	5 X
K07E86W	16.6	0.15	K1128	352.098	270.831	253.514	3.991	0.20212	2.56409	4 X
K07E91C	16.4	0.15	K1128	351.677	345.585	151.650	12.547	0.12605	2.66032	4 X
K07E98F	16.4	0.15	K1128	346.946	344.904	170.598	17.929	0.09506	2.62165	4 X
K07E98N	17.4	0.15	K1128	314.759	161.175	32.374	2.188	0.13737	2.63475	5 X
K07EA2L	17.2	0.15	K1128	276.258	143.165	93.834	3.560	0.22348	2.73230	3 S
K07EB1Z	16.2	0.15	K1128	354.495	318.438	181.778	12.586	0.10714	2.71353	7 X
K07EC2P	15.6	0.15	K1128	272.612	192.891	334.299	8.627	0.15961	3.03829	2 X
K07EC3Q	16.1	0.15	K1128	259.369	156.704	101.819	4.943	0.29113	2.73551	6 X
K07ED1N	17.2	0.15	K1128	41.644	284.318	176.332	5.089	0.05947	2.63147	6 X
K07ED2L	17.1	0.15	K1128	335.650	341.709	177.817	12.004	0.12618	2.68854	6 X
K07ED3C	17.0	0.15	K1128	3.252	126.840	358.778	13.094	0.20449	2.63268	4 X
K07ED6M	16.8	0.15	K1128	11.759	132.279	6.331	7.844	0.15424	2.57368	5 X
K07ED9Q	16.9	0.15	K1128	82.932	314.445	90.442	2.893	0.06951	2.69433	4 X
K07ED9T	16.1	0.15	K1128	212.852	144.334	100.582	2.335	0.11622	2.99398	5 X
K07EE8M	16.9	0.15	K1128	21.413	352.480	90.698	3.753	0.23218	2.71357	3 X
K07EE9U	16.7	0.15	K1128	102.964	256.948	135.051	6.252	0.04913	2.67244	5 X
K07EF1J	16.7	0.15	K1128	80.533	359.436	27.853	5.310	0.12251	2.78981	4 X
K07EF2D	16.5	0.15	K1128	150.128	206.815	135.212	5.887	0.12259	2.71519	6 X
K07EF7L	15.6	0.15	K1128	264.051	107.837	124.500	12.513	0.04880	2.69833	5 X
K07EH0L	16.3	0.15	K1128	181.669	163.933	144.653	10.083	0.14831	2.65011	6 X
K07EI3C	17.0	0.15	K1128	47.455	307.616	136.272	3.887	0.09804	2.59908	4 X
K07EJOB	17.7	0.15	K1128	352.629	176.647	314.752	2.212	0.09349	2.69222	3 X
K07EJ5H	16.8	0.15	K1128	59.218	250.255	170.967	5.157	0.09911	2.70529	6 X
K07EJ8M	17.7	0.15	K1128	339.814	175.003	183.785	22.848	0.07098	1.93689	4 X
K07EK4D	17.1	0.15	K1128	36.328	250.520	201.110	4.018	0.04575	2.80601	6 X
K07EL3Y	16.7	0.15	K1128	355.636	290.131	203.444	8.046	0.15091	2.78759	6 X
K07EL4R	16.6	0.15	K1128	210.967	124.440	165.344	2.842	0.24983	3.07511	8 X
K07EM2R	16.1	0.15	K1128	314.306	345.444	205.380	10.617	0.05934	2.67808	5 X
K07F33C	16.3	0.15	K1128	268.070	229.699	32.767	7.334	0.09017	2.68875	7 X
K07F38F	15.9	0.15	K1128	298.656	268.792	324.642	13.296	0.26383	2.64738	4 X
K07F44Q	16.5	0.15	K1128	168.115	305.771	10.780	2.948	0.15614	2.96395	6 X
K07F49U	15.8	0.15	K1128	284.847	108.558	117.162	9.536	0.09198	2.78143	7 X
K07F49Y	16.3	0.15	K1128	327.274	314.264	228.547	11.464	0.14946	2.64398	3 X
K07F50K	16.2	0.15	K1128	181.109	182.611	119.911	11.659	0.11339	3.07019	4 X
K07G03M	15.5	0.15	K1128	284.327	7.907	213.849	12.820	0.14828	2.75368	9 X
K07G05B	17.2	0.15	K1128	165.970	190.272	142.446	6.065	0.05137	2.72784	6 X



K07G10L	16.2	0.15	K1128	257.421	100.053	165.039	12.847	0.17438	2.67248	6 X
K07G10R	16.4	0.15	K1128	136.414	241.176	109.447	4.477	0.10178	2.77575	7 X
K07G19U	16.8	0.15	K1128	255.933	332.574	268.425	0.972	0.04832	2.92406	7 X
K07G27O	15.1	0.15	K1128	221.037	147.856	110.590	9.963	0.08985	3.09078	5 X
K07G33J	17.1	0.15	K1128	236.890	76.777	187.286	1.928	0.12772	2.93924	6 X
K07G43S	16.6	0.15	K1128	174.461	138.024	199.191	5.188	0.01335	2.72203	7 X
K07G44Q	16.2	0.15	K1128	43.917	54.086	53.977	5.838	0.04966	2.76971	6 X
K07G44T	16.6	0.15	K1128	28.833	322.469	151.179	2.699	0.01008	2.85923	6 X
K07G46P	15.8	0.15	K1128	52.005	234.286	198.513	8.263	0.06552	3.00970	5 X
K07G50L	16.3	0.15	K1128	318.411	316.343	223.443	12.076	0.12108	2.77813	6 X
K07G55C	15.9	0.15	K1128	29.300	314.928	148.368	7.583	0.12304	2.78334	3 X
K07G60K	16.7	0.15	K1128	357.260	266.481	243.370	3.567	0.09580	2.75103	5 X
K07G75U	15.7	0.15	K1128	114.401	166.437	199.580	9.144	0.08758	3.17450	5 X
K07H06F	16.7	0.15	K1128	289.056	163.920	51.041	3.173	0.11793	2.77436	7 X
K07H08D	16.7	0.15	K1128	167.173	293.488	32.396	2.301	0.06601	2.86281	5 X
K07H17M	15.9	0.15	K1128	269.565	202.729	151.904	6.041	0.07298	2.72353	3 X
K07H47Q	16.2	0.15	K1128	251.970	104.104	135.700	2.810	0.02698	2.94017	5 X
K07H50U	16.5	0.15	K1128	291.891	25.644	191.266	6.966	0.05026	2.84308	6 X
K07H92Z	15.8	0.15	K1128	236.593	205.124	79.292	5.471	0.03294	2.80588	5 X
K07H97P	16.1	0.15	K1128	336.575	311.410	226.283	7.062	0.15904	2.79875	5 X
K07K08F	15.7	0.15	K1128	215.268	166.662	116.224	11.589	0.17926	3.10628	6 X
K07L02N	15.5	0.15	K1128	203.360	165.969	113.300	14.027	0.16021	3.16997	5 X
K07L06N	15.2	0.15	K1128	242.812	51.782	202.465	9.638	0.07410	3.02471	5 X
K07L07S	15.0	0.15	K1128	198.884	157.268	134.256	16.937	0.06366	3.16028	6 X
K07L13A	15.6	0.15	K1128	223.174	142.323	141.480	12.931	0.06261	3.03316	5 X
K07L15X	17.4	0.15	K1128	313.912	54.381	150.123	10.014	0.18062	2.78651	4 S
K07L18S	15.7	0.15	K1128	311.890	61.498	132.017	16.406	0.18742	2.86149	4 X
K07L24O	16.3	0.15	K1128	206.964	168.032	126.861	1.875	0.15286	3.08949	6 X
K07M00V	16.3	0.15	K1128	129.117	177.541	198.975	9.235	0.08324	3.01532	8 X
K07O00H	14.7	0.15	K1128	273.583	334.924	270.461	16.038	0.15611	3.14515	7 X
K07P07B	15.2	0.15	K1128	235.110	165.315	136.653	18.538	0.18783	3.11999	5 X
K07P17Z	15.1	0.15	K1128	267.281	309.203	313.519	14.717	0.17784	3.13992	8 X
K07P19E	17.4	0.15	K1128	346.619	60.278	256.872	1.112	0.20088	2.36982	5 X
K07P23C	14.4	0.15	K1128	208.633	355.724	317.889	18.338	0.15809	3.41959	5 X
K07P28E	16.1	0.15	K1128	334.304	332.168	286.718	11.962	0.20134	2.68496	6 X
K07P29Y	15.4	0.15	K1128	202.508	221.235	152.847	28.310	0.13493	3.11018	4 X
K07R04D	15.0	0.15	K1128	161.494	72.359	331.916	26.654	0.09074	3.13698	4 X
K07R14T	17.4	0.15	K1128	248.532	236.207	344.200	20.087	0.05050	1.86119	5 X
K07RA8B	16.6	0.15	K1128	286.698	344.091	348.175	6.509	0.17167	2.76119	4 X
K07RF7W	16.4	0.15	K1128	264.176	293.082	71.411	7.329	0.06646	2.72312	5 X
K07RV1K	16.1	0.15	K1128	307.317	134.476	154.791	20.915	0.19356	2.77917	3 X
K07S23F	17.0	0.15	K1128	126.048	0.594	240.629	6.584	0.07688	2.32622	5 X
K07T16X	15.1	0.15	K1128	229.595	26.457	340.508	15.765	0.12361	3.08398	4 X
K07T23L	21.4	0.15	K1128	318.394	101.840	136.851	2.121	0.73648	1.13442	2 S
K07T42K	16.4	0.15	K1128	159.245	258.035	181.828	6.517	0.09473	3.00459	5 X
K07T87X	17.6	0.15	K1128	194.904	145.107	64.646	6.534	0.08815	2.19485	5 X
K07TA1D	16.0	0.15	K1128	286.536	124.374	186.940	9.597	0.04590	3.07535	4 X
K07TN6U	16.1	0.15	K1128	172.699	243.731	199.095	15.927	0.07775	3.09379	4 X
K07TR1M	15.9	0.15	K1128	281.260	298.947	23.224	9.542	0.09692	3.08184	4 X
K07Ti1P	16.0	0.15	K1128	236.783	207.645	154.522	10.351	0.13028	2.99042	4 X
K07Ti4S	17.5	0.15	K1128	311.284	133.755	345.613	6.511	0.08851	2.14456	3 X
K07Ti4Y	16.1	0.15	K1128	271.397	326.165	16.657	9.685	0.03637	3.07412	5 X
K07V06G	13.1	0.15	K1128	285.258	189.833	304.155	12.594	0.09323	5.25709	2 S
K07VP9Z	17.5	0.15	K1128	150.214	304.534	302.262	7.254	0.13198	2.22649	5 X
K07VQ1F	16.5	0.15	K1128	338.396	320.661	354.183	4.303	0.11852	2.76843	5 X
K07VU2A	16.9	0.15	K1128	108.885	245.452	111.376	23.603	0.10442	1.96657	6 X
K07VW1M	16.0	0.15	K1128	259.607	14.137	78.103	14.649	0.13922	2.58250	2 X
K07VW9U	15.9	0.15	K1128	59.949	327.214	263.879	7.363	0.04792	2.98554	4 X
K07W62G	16.0	0.15	K1128	284.061	359.084	54.630	22.157	0.02980	2.62356	3 X
K07X55G	18.2	0.15	K1128	357.963	1.310	94.390	4.155	0.11994	2.16490	3 X
K07Y61G	16.8	0.15	K1128	302.235	134.091	276.568	12.992	0.25714	2.62383	2 X
K08A02U	17.2	0.15	K1128	304.865	247.568	266.169	5.168	0.08729	2.22249	3 X
K08A17J	18.5	0.15	K1128	82.737	239.036	138.878	2.851	0.19736	2.11939	3 X
K08A22L	17.5	0.15	K1128	27.302	0.819	86.053	2.975	0.09137	2.15773	5 X
K08A29J	17.1	0.15	K1128	18.544	347.538	82.312	7.009	0.05422	2.20690	6 X
K08AD8C	17.5	0.15	K1128	26.284	156.402	274.901	5.154	0.10269	2.20024	4 X
K08C17H	17.4	0.15	K1128	152.593	6.772	314.544	6.108	0.14515	2.27124	3 X
K08C40U	17.5	0.15	K1128	257.785	313.840	282.035	4.416	0.09601	2.20194	6 X
K08C43O	17.4	0.15	K1128	74.804	287.804	92.899	4.669	0.20458	2.27889	3 X
K08C48Q	18.3	0.15	K1128	358.844	0.537	131.988	2.199	0.06844	2.17039	6 X
K08C72B	16.6	0.15	K1128	322.313	219.560	271.435	6.394	0.05263	2.33397	6 X
K08C73T	16.6	0.15	K1128	184.473	95.460	137.101	24.337	0.09459	2.54179	4 X
K08C74C	17.2	0.15	K1128	268.371	289.183	267.505	6.617	0.15396	2.28887	5 X
K08C83Q	17.5	0.15	K1128	246.055	99.207	127.235	2.881	0.15489	2.31599	5 X
K08CE9H	18.4	0.15	K1128	29.816	238.472	222.044	2.917	0.03139	2.15246	8 X
K08CH9P	17.0	0.15	K1128	302.763	111.849	44.095	6.316	0.05360	2.31495	3 X
K08CK4E	16.9	0.15	K1128	175.989	172.507	148.684	6.095	0.18766	2.34641	7 X
K08CL3N	16.3	0.15	K1128	63.020	113.406	198.304	5.375	0.15454	3.11947	4 X
K08D07B	16.6	0.15	K1128	132.739	331.127	280.700	1.422	0.13245	2.77619	4 X
K08D33B	17.0	0.15	K1128	20.863	325.334	96.945	3.036	0.18983	2.33458	4 X
K08D67P	17.2	0.15	K1128	238.298	3.838	257.839	3.943	0.11035	2.26588	6 X
K08D67V	17.5	0.15	K1128	326.465	249.058	281.330	2.936	0.21839	2.20524	3 X

K08D85S	17.5	0.15	K1128	202.856	184.017	109.275	3.340	0.20317	2.36258	6 X
K08D89D	16.9	0.15	K1128	298.451	248.173	223.482	8.195	0.11966	2.57172	3 X
K08D89F	18.2	0.15	K1128	286.601	113.282	100.285	4.652	0.16613	2.25665	3 X
K08E18D	16.7	0.15	K1128	281.072	254.097	322.802	6.929	0.06554	2.27586	5 X
K08E20K	17.6	0.15	K1128	350.490	215.189	250.479	1.466	0.15498	2.34496	5 X
K08E54S	17.8	0.15	K1128	294.582	65.853	162.946	7.252	0.12539	2.18217	4 X
K08E77W	17.2	0.15	K1128	188.256	135.295	168.520	6.682	0.16988	2.35902	4 X
K08E82S	17.0	0.15	K1128	308.561	249.512	253.913	5.644	0.13605	2.35847	4 X
K08E98R	16.7	0.15	K1128	318.885	38.770	108.637	7.571	0.05518	2.25669	5 X
K08EB6Y	18.3	0.15	K1128	319.049	108.311	72.029	2.836	0.09246	2.23978	5 X
K08EB7R	18.1	0.15	K1128	194.353	325.506	331.115	5.570	0.13120	2.20702	3 X
K08EB9L	16.3	0.15	K1128	164.986	32.461	255.906	5.490	0.11451	2.41884	5 X
K08EC6C	16.1	0.15	K1128	73.341	319.852	7.138	12.357	0.08505	2.96952	3 X
K08ED0A	17.4	0.15	K1128	330.898	31.552	109.959	4.560	0.15051	2.27977	4 X
K08ED0D	17.1	0.15	K1128	195.236	196.444	101.776	3.109	0.20752	2.32782	6 X
K08ED7S	17.4	0.15	K1128	219.605	140.902	131.979	2.924	0.20155	2.39008	4 X
K08ED9M	18.1	0.15	K1128	323.530	221.434	284.037	1.766	0.20344	2.26472	3 X
K08EE2T	18.5	0.15	K1128	14.686	354.235	105.964	3.677	0.23016	2.19368	2 X
K08EE2U	18.0	0.15	K1128	14.435	348.578	130.229	4.992	0.07170	2.19649	3 X
K08EE7V	17.7	0.15	K1128	250.548	115.863	156.644	3.359	0.22475	2.22904	5 X
K08EE8P	17.1	0.15	K1128	109.736	86.299	271.957	2.124	0.12855	2.40304	5 X
K08EE8V	15.8	0.15	K1128	118.826	294.781	347.180	10.964	0.08404	2.96923	4 X
K08EF5T	17.6	0.15	K1128	270.191	76.733	156.816	6.697	0.10941	2.37733	4 X
K08EG5O	15.2	0.15	K1128	67.448	206.402	100.942	10.919	0.07428	3.00406	8 X
K08EG7R	17.3	0.15	K1128	267.317	258.116	287.607	6.124	0.12848	2.44128	4 X
K08EG8L	17.2	0.15	K1128	207.719	1.312	301.546	2.620	0.17156	2.28021	5 X
K08F15J	17.3	0.15	K1128	157.009	192.470	128.587	6.958	0.05656	2.46552	2 X
K08F15X	17.8	0.15	K1128	238.540	171.276	99.197	5.623	0.24278	2.37880	3 X
K08F25O	17.8	0.15	K1128	225.699	123.652	144.582	2.954	0.17025	2.40157	8 X
K08F25S	17.6	0.15	K1128	229.271	164.172	108.048	2.273	0.17025	2.36458	4 X
K08F26U	17.6	0.15	K1128	247.527	16.807	234.944	1.530	0.19044	2.38455	6 X
K08F27X	16.9	0.15	K1128	261.000	112.379	133.781	7.024	0.08794	2.33622	7 X
K08F41D	17.7	0.15	K1128	302.179	72.433	135.577	3.363	0.09851	2.22615	5 X
K08F55X	16.9	0.15	K1128	108.273	176.379	190.446	3.964	0.15739	2.43888	3 X
K08F58O	17.1	0.15	K1128	61.810	258.947	182.972	6.385	0.08217	2.27602	4 X
K08F59H	17.4	0.15	K1128	242.459	126.432	135.005	6.118	0.15128	2.28124	5 X
K08F60M	17.3	0.15	K1128	347.897	24.994	120.225	5.530	0.06772	2.25709	3 X
K08F63F	17.4	0.15	K1128	10.091	335.298	132.444	4.730	0.10431	2.30612	4 X
K08F66U	18.0	0.15	K1128	352.820	51.541	88.273	2.730	0.09687	2.32238	5 X
K08F70G	18.0	0.15	K1128	303.543	18.602	203.322	4.759	0.12985	2.22447	5 X
K08F70S	16.8	0.15	K1128	173.922	280.238	35.107	3.552	0.23697	2.60306	4 X
K08F72B	17.3	0.15	K1128	139.908	121.668	147.490	6.272	0.07248	2.76145	4 X
K08FA1H	17.8	0.15	K1128	297.582	76.854	131.607	5.403	0.12395	2.27048	3 X
K08FA1S	17.8	0.15	K1128	359.615	7.002	116.137	5.150	0.08610	2.35604	4 X
K08FA3Q	17.0	0.15	K1128	31.282	289.113	165.347	6.647	0.06844	2.37307	4 X
K08FA5K	18.0	0.15	K1128	261.262	136.433	106.674	2.865	0.18512	2.30429	4 X
K08FA9A	18.5	0.15	K1128	31.648	315.043	141.126	3.414	0.05056	2.26320	4 X
K08FB1U	17.5	0.15	K1128	262.295	112.463	140.689	5.823	0.14020	2.30742	4 X
K08FB2Z	16.7	0.15	K1128	127.741	185.825	172.608	8.247	0.21680	2.40812	7 X
K08FB8V	17.4	0.15	K1128	264.214	162.087	80.417	3.672	0.06400	2.23304	5 X
K08FC3G	16.1	0.15	K1128	54.498	313.211	42.044	9.207	0.09059	3.05188	4 X
K08FC4S	18.3	0.15	K1128	5.319	7.868	115.758	6.767	0.07726	2.31428	2 X
K08FC8V	17.4	0.15	K1128	99.832	227.260	155.513	5.057	0.07076	2.45151	4 X
K08FD1Y	17.4	0.15	K1128	0.498	355.159	102.694	2.272	0.14981	2.44534	4 X
K08G01A	17.6	0.15	K1128	297.501	356.990	217.717	7.497	0.16537	2.21909	4 X
K08G08X	18.2	0.15	K1128	19.680	31.009	72.587	3.081	0.13207	2.25214	3 X
K08G37J	18.4	0.15	K1128	229.602	142.733	129.044	2.405	0.15786	2.41582	5 X
K08G42O	16.6	0.15	K1128	255.374	196.748	81.506	5.214	0.15553	2.21996	7 X
K08G44A	16.6	0.15	K1128	349.486	53.634	27.774	11.123	0.16649	2.67918	2 X
K08G45C	17.4	0.15	K1128	244.850	279.413	353.203	1.668	0.20406	2.33581	5 X
K08G68J	17.7	0.15	K1128	11.916	37.733	101.791	5.191	0.08350	2.23434	4 X
K08G69X	17.0	0.15	K1128	265.200	102.738	138.197	7.304	0.07375	2.34645	4 X
K08G81C	17.4	0.15	K1128	237.858	162.806	101.565	4.088	0.14885	2.41513	5 X
K08G98F	17.4	0.15	K1128	208.610	129.103	157.763	6.164	0.10369	2.43319	5 X
K08GC2U	16.7	0.15	K1128	223.748	165.040	61.148	2.950	0.14118	2.63814	5 X
K08GE4K	17.3	0.15	K1128	244.556	137.195	130.649	3.040	0.18989	2.36585	5 X
K08GE4Z	16.0	0.15	K1128	241.309	25.899	220.035	8.985	0.17206	2.39992	5 X
K08GE5B	16.4	0.15	K1128	357.790	20.482	47.455	9.983	0.14933	2.80056	3 X
K08GE5K	16.2	0.15	K1128	171.458	196.293	118.829	3.729	0.22193	2.60267	7 X
K08H01H	16.8	0.15	K1128	252.015	107.573	126.350	7.837	0.04452	2.46187	5 X
K08H04G	16.0	0.15	K1128	330.640	81.556	41.481	15.710	0.09661	2.55267	2 S
K08H11L	17.9	0.15	K1128	276.563	93.090	126.972	7.414	0.05239	2.38098	4 X
K08H11Q	17.4	0.15	K1128	325.686	35.918	139.093	7.561	0.03740	2.34816	5 X
K08H20G	15.8	0.15	K1128	92.374	270.439	29.378	10.449	0.06054	3.16935	4 X
K08H23V	15.9	0.15	K1128	117.075	188.407	92.558	16.253	0.06351	3.22483	4 X
K08H28B	17.7	0.15	K1128	256.993	19.112	223.627	3.982	0.07529	2.30185	3 X
K08H49X	17.7	0.15	K1128	347.052	313.090	192.362	2.207	0.04805	2.38281	6 X
K08H50X	17.9	0.15	K1128	250.870	110.803	143.146	2.248	0.12411	2.38863	5 X
K08H54Y	18.9	0.15	K1128	342.599	81.247	97.160	4.085	0.18395	2.20211	4 X
K08J03P	17.4	0.15	K1128	6.313	359.020	123.574	7.745	0.06030	2.35295	2 X
K08J04Q	18.1	0.15	K1128	301.220	70.779	138.419	1.760	0.10717	2.22571	3 X
K08J13B	16.7	0.15	K1128	180.742	182.382	138.194	8.758	0.16867	2.53303	7 X

K08J13K	17.6	0.15	K1128	200.537	164.175	141.066	5.080	0.12811	2.28014	4 X
K08J17X	16.3	0.15	K1128	267.805	85.996	104.545	11.923	0.01779	2.64730	5 X
K08J30V	16.5	0.15	K1128	149.787	210.063	112.179	6.067	0.13074	2.66425	8 X
K08K05B	15.3	0.15	K1128	77.135	262.141	92.394	19.504	0.16594	3.20913	3 X
K08K10B	16.8	0.15	K1128	1.820	351.862	92.261	5.553	0.03748	2.79454	4 X
K08K43F	16.7	0.15	K1128	221.696	356.055	282.941	11.885	0.17686	2.71696	2 S
K08L11T	17.0	0.15	K1128	342.803	20.818	130.427	7.151	0.06867	2.43004	2 S
K08N01A	15.1	0.15	K1128	140.462	214.460	115.128	23.568	0.10559	3.15600	3 X
K08N02S	16.2	0.15	K1128	183.974	354.637	310.245	4.104	0.15929	2.97967	6 X
K08O03K	16.0	0.15	K1128	239.078	130.064	143.723	5.621	0.12901	2.72304	6 X
K08O09K	16.0	0.15	K1128	161.258	193.273	138.430	7.681	0.11515	2.99547	5 X
K08O09Q	15.9	0.15	K1128	133.753	183.378	168.300	1.551	0.20551	3.21282	6 X
K08O11E	16.1	0.15	K1128	195.546	29.033	287.438	3.977	0.15331	2.78254	5 X
K08O19H	16.4	0.15	K1128	212.477	150.136	140.660	2.842	0.07252	2.94583	7 X
K08O21A	16.2	0.15	K1128	320.467	208.190	330.610	8.802	0.02826	3.12758	4 X
K08P08G	16.0	0.15	K1128	262.206	306.022	305.923	10.885	0.14815	2.67686	5 X
K08P13S	15.2	0.15	K1128	40.459	168.762	294.392	5.464	0.12408	3.08278	4 X
K08Q01K	16.5	0.15	K1128	135.556	283.259	143.143	8.887	0.28770	2.76650	4 X
K08Q22U	14.9	0.15	K1128	346.967	196.215	315.632	21.770	0.02732	3.12864	5 X
K08Q28L	16.0	0.15	K1128	226.329	179.928	123.617	9.449	0.17509	2.71721	6 X
K08Q47O	16.5	0.15	K1128	178.513	212.782	166.417	6.201	0.05286	2.74106	4 X
K08R61K	15.9	0.15	K1128	65.099	131.457	307.278	7.924	0.06161	3.17455	4 X
K08R73C	16.4	0.15	K1128	295.134	29.257	181.266	2.086	0.08106	2.99984	6 X
K08RC4T	16.4	0.15	K1128	222.928	269.806	8.808	1.550	0.11627	3.04348	3 X
K08RD8F	15.1	0.15	K1128	58.128	94.105	351.876	21.916	0.12923	3.20649	5 X
K08RE2X	16.8	0.15	K1128	270.428	65.329	186.813	9.762	0.04249	2.99589	4 X
K08S12P	16.6	0.15	K1128	248.071	109.346	168.945	15.980	0.14336	2.69793	4 X
K08S41A	16.7	0.15	K1128	160.087	258.577	142.860	3.278	0.21102	2.73109	3 X
K08S61H	14.8	0.15	K1128	170.045	10.046	319.524	23.362	0.25836	3.14658	3 X
K08S62F	15.0	0.15	K1128	94.892	79.093	309.932	5.527	0.04243	3.40471	6 X
K08S88B	15.2	0.15	K1128	222.749	56.364	235.646	3.732	0.06306	2.97024	5 X
K08S89O	17.8	0.15	K1128	230.204	45.307	347.386	6.626	0.08936	2.24816	4 X
K08SD9K	15.7	0.15	K1128	222.844	285.184	10.478	9.888	0.02764	2.98304	6 X
K08SE0U	15.7	0.15	K1128	250.710	329.654	300.865	10.601	0.06541	3.06301	6 X
K08SK3J	17.4	0.15	K1128	122.003	293.486	192.376	8.844	0.23725	2.72154	4 X
K08ST1X	15.9	0.15	K1128	250.424	349.162	287.850	7.009	0.18537	2.77886	7 X
K08SU3E	16.2	0.15	K1128	163.450	167.607	182.557	10.518	0.05712	3.07652	7 X
K08T08E	16.7	0.15	K1128	118.469	287.165	176.404	8.857	0.12455	2.72250	4 X
K08T30S	15.7	0.15	K1128	252.347	113.577	151.130	0.835	0.14081	3.21655	7 X
K08T79F	16.4	0.15	K1128	260.320	92.176	182.381	7.414	0.19549	2.77631	4 X
K08T94Z	14.4	0.15	K1128	212.129	333.210	317.381	24.545	0.16546	3.21243	6 X
K08T99A	16.8	0.15	K1128	216.550	130.996	164.306	1.198	0.16374	3.15856	5 X
K08TC1T	15.0	0.15	K1128	260.201	294.634	314.551	6.710	0.06305	3.44776	7 X
K08U39R	17.4	0.15	K1128	108.836	85.582	38.602	2.972	0.04102	2.58465	6 X
K08UK3Z	15.0	0.15	K1128	158.074	20.997	16.138	11.699	0.04425	3.06034	4 X
K08UU0H	16.7	0.15	K1128	311.449	263.444	8.274	4.298	0.08396	2.76484	5 X
K08UX9F	17.1	0.15	K1128	81.543	270.419	254.681	2.504	0.03975	2.54740	6 S
K08UY1S	17.9	0.15	K1128	183.237	240.616	233.307	3.719	0.09914	2.24463	4 X
K08W48Z	15.9	0.15	K1128	29.761	118.589	61.303	9.911	0.07986	3.04901	4 X
K08WD7Y	17.4	0.15	K1128	79.249	53.747	248.434	19.780	0.03120	1.86258	2 X
K08WD9N	15.9	0.15	K1128	109.323	38.894	97.453	15.694	0.24723	3.16685	4 X
K08X11R	16.4	0.15	K1128	185.147	255.112	152.066	8.086	0.19863	2.73097	6 X
K08X53T	15.0	0.15	K1128	82.711	244.670	253.954	10.143	0.08276	3.22505	4 X
K08Y07T	17.1	0.15	K1128	231.560	93.876	325.682	2.581	0.15913	2.40181	3 X
K08Y25P	16.1	0.15	K1128	81.503	323.772	99.740	4.078	0.24873	3.96712	3 X
K08YGG9	16.9	0.15	K1128	202.930	49.068	52.093	3.834	0.10012	2.68536	5 X
K09A01L	17.1	0.15	K1128	205.660	7.492	111.439	7.267	0.05398	2.28466	4 X
K09A05X	16.1	0.15	K1128	186.303	338.160	68.172	2.979	0.13181	3.09945	5 X
K09B06F	15.7	0.15	K1128	185.158	282.398	127.488	17.053	0.12835	3.16807	4 X
K09B26Y	17.1	0.15	K1128	293.892	43.914	334.125	5.360	0.18147	2.32089	3 X
K09B79Y	15.7	0.15	K1128	88.545	194.950	344.305	9.854	0.16128	3.19313	4 X
K09BB1R	17.9	0.15	K1128	266.372	79.313	307.679	3.913	0.09599	2.51595	4 X
K09D49N	17.7	0.15	K1128	137.716	94.483	154.937	2.800	0.17566	2.36509	4 X
K09E30M	15.5	0.15	K1128	102.483	262.929	297.042	12.912	0.15489	3.19313	5 X
K09F13V	17.6	0.15	K1128	208.102	126.651	327.681	0.962	0.19148	2.75787	6 X
K09F34E	15.2	0.15	K1128	34.074	107.836	155.748	9.560	0.05642	3.22644	5 X
K09H43K	17.4	0.15	K1128	202.443	24.352	128.239	3.169	0.10519	2.63765	4 X
K09HA3A	16.3	0.15	K1128	96.219	128.681	119.254	11.580	0.03549	3.12650	5 X
K09L01O	16.9	0.15	K1128	138.698	41.036	196.887	14.128	0.25841	2.77716	3 X
K09M06V	17.0	0.15	K1128	262.836	307.366	303.015	16.557	0.07550	1.95445	6 X
K09N01T	16.2	0.15	K1128	106.831	135.777	223.453	10.394	0.25189	2.52483	6 X
K09N01X	17.4	0.15	K1128	124.134	342.638	5.511	1.006	0.20207	2.41656	6 X
K09N02B	17.9	0.15	K1128	148.280	178.097	151.993	2.805	0.19907	2.28575	4 X
K09O10F	16.7	0.15	K1128	141.260	40.198	307.407	5.649	0.13856	2.39882	6 X
K09O10K	16.9	0.15	K1128	342.059	240.021	283.642	16.496	0.09097	1.95108	4 X
K09O12W	15.7	0.15	K1128	39.940	115.789	298.830	21.113	0.29627	3.18177	3 X
K09O14E	15.2	0.15	K1128	40.989	252.232	134.835	11.923	0.07175	3.13952	5 X
K09O20M	16.6	0.15	K1128	110.481	41.008	311.117	9.020	0.27486	2.69704	4 X
K09O21L	17.1	0.15	K1128	130.281	70.952	265.744	1.483	0.19584	2.43907	5 X
K09O24S	17.6	0.15	K1128	158.713	195.788	139.828	7.663	0.15047	2.25822	4 X
K09P04V	16.2	0.15	K1128	68.747	250.628	160.313	14.568	0.06429	2.45067	4 X
K09P10T	17.8	0.15	K1128	136.497	111.011	218.320	1.796	0.20696	2.45823	3 X

K09P11Y	16.7	0.15	K1128	84.311	78.570	315.998	10.909	0.16705	2.52840	6 X
K09P14T	17.6	0.15	K1128	160.578	179.912	141.663	3.043	0.21097	2.32881	7 X
K09P17S	15.9	0.15	K1128	62.715	271.311	143.731	27.348	0.22206	2.61555	5 X
K09Q11T	17.6	0.15	K1128	150.509	209.098	131.437	5.809	0.13759	2.23439	5 X
K09Q18L	17.5	0.15	K1128	96.063	106.556	296.273	5.784	0.08919	2.27669	4 X
K09Q22F	17.2	0.15	K1128	156.863	187.797	128.357	2.030	0.19784	2.40759	6 X
K09Q27L	17.0	0.15	K1128	160.946	47.999	266.363	2.403	0.16374	2.33620	5 X
K09Q30R	15.5	0.15	K1128	71.119	85.044	305.163	14.707	0.24214	3.18348	4 X
K09Q32Z	15.5	0.15	K1128	62.179	288.240	167.273	29.176	0.09206	2.58755	6 X
K09Q34A	17.5	0.15	K1128	93.144	52.832	333.565	5.609	0.26353	2.66034	6 X
K09Q38X	16.9	0.15	K1128	160.385	158.538	165.475	7.847	0.17141	2.53567	7 X
K09Q40J	17.3	0.15	K1128	104.274	86.942	273.641	0.345	0.25215	2.73605	5 X
K09Q47A	16.1	0.15	K1128	87.548	254.275	136.595	14.942	0.10688	2.55637	7 X
K09Q53E	16.4	0.15	K1128	108.855	54.785	301.773	9.753	0.14794	2.79767	2 X
K09Q53P	17.1	0.15	K1128	356.758	157.894	343.329	3.871	0.09091	2.42927	3 X
K09Q58J	17.2	0.15	K1128	119.556	154.459	191.743	2.052	0.15184	2.73248	6 X
K09Q62E	16.9	0.15	K1128	84.980	263.913	113.113	1.966	0.22995	3.03692	4 X
K09R06D	17.1	0.15	K1128	168.061	343.361	321.310	4.094	0.19151	2.41173	3 X
K09R08J	16.3	0.15	K1128	68.995	96.254	303.600	1.006	0.09051	3.02109	5 X
K09R09H	18.2	0.15	K1128	174.877	343.835	347.737	1.857	0.07509	2.29960	4 X
K09R09T	17.3	0.15	K1128	111.600	179.135	189.320	4.425	0.11509	2.73211	5 X
K09R10J	16.9	0.15	K1128	90.400	38.719	329.320	0.138	0.18693	3.11725	4 X
K09R12F	16.8	0.15	K1128	214.483	102.918	167.035	1.802	0.07374	2.54340	8 X
K09R12H	17.0	0.15	K1128	338.287	353.972	175.513	2.591	0.14606	2.44659	7 X
K09R25Q	15.6	0.15	K1128	49.170	244.705	190.124	13.914	0.10447	3.07413	6 X
K09R36D	17.4	0.15	K1128	109.625	66.730	302.756	5.243	0.12464	2.42304	4 X
K09R39L	16.9	0.15	K1128	1.459	226.174	277.190	6.218	0.13509	2.54710	5 X
K09R43E	17.0	0.15	K1128	187.183	0.498	292.955	3.978	0.00888	2.74118	4 X
K09R48G	17.0	0.15	K1128	72.903	220.548	198.053	1.539	0.08153	2.72245	4 X
K09R52D	16.0	0.15	K1128	65.567	224.046	191.815	8.470	0.06039	2.96672	6 X
K09R55Z	16.7	0.15	K1128	146.079	249.601	89.921	2.826	0.05536	2.79073	4 X
K09R56O	16.7	0.15	K1128	156.464	169.138	149.775	3.774	0.08901	2.92014	3 X
K09R63G	17.3	0.15	K1128	177.597	7.595	302.461	1.545	0.21339	2.34034	6 X
K09R63V	13.2	0.15	K1128	290.181	116.078	13.300	22.228	0.07133	5.17394	3 X
K09R69H	16.5	0.15	K1128	142.730	89.507	243.694	6.763	0.06435	2.48976	5 X
K09R70T	16.2	0.15	K1128	85.733	316.727	66.448	2.202	0.16516	3.10836	7 X
K09R73B	16.7	0.15	K1128	125.682	52.432	296.804	4.997	0.06631	2.78339	4 X
K09S20K	17.8	0.15	K1128	190.505	42.167	246.332	0.922	0.18527	2.33155	5 X
K09S25A	16.4	0.15	K1128	25.442	219.220	238.991	4.130	0.12416	2.78992	4 X
K09S28A	16.9	0.15	K1128	38.188	32.596	46.610	1.933	0.14363	3.11408	3 X
K09S34R	16.5	0.15	K1128	126.902	18.999	341.403	3.774	0.08106	2.71368	5 X
K09S36P	17.5	0.15	K1128	111.540	148.132	222.930	3.644	0.08320	2.79177	5 X
K09S38X	17.0	0.15	K1128	157.168	331.189	352.422	2.475	0.20253	2.57182	4 X
K09S45O	16.9	0.15	K1128	232.495	272.111	340.125	5.300	0.00711	2.84951	3 X
K09S46E	16.4	0.15	K1128	99.826	91.581	282.707	2.910	0.05541	3.07570	5 X
K09S58S	15.5	0.15	K1128	55.634	212.069	222.199	11.741	0.13791	2.97444	5 X
K09S60S	16.2	0.15	K1128	22.037	244.042	231.311	8.162	0.11369	2.80358	7 X
K09S61Q	16.3	0.15	K1128	131.083	14.378	338.558	5.754	0.07207	2.75520	7 X
K09S65U	16.4	0.15	K1128	62.278	308.756	104.934	2.664	0.16209	3.22115	4 X
K09S70J	17.0	0.15	K1128	272.692	169.694	67.418	6.292	0.11151	2.39518	4 X
K09S74K	16.0	0.15	K1128	49.032	253.258	175.974	11.508	0.12154	3.22709	6 X
K09S75S	17.2	0.15	K1128	145.608	189.976	148.633	5.815	0.08086	2.77047	4 X
K09S78F	16.1	0.15	K1128	233.472	314.025	270.174	8.629	0.04119	2.58165	7 X
K09SA2V	16.9	0.15	K1128	160.895	195.378	131.733	6.859	0.11436	2.42185	4 X
K09SB1R	16.4	0.15	K1128	1.647	271.484	233.169	5.657	0.05706	2.40468	6 X
K09SB6Y	16.1	0.15	K1128	52.146	126.563	286.884	3.453	0.13320	3.24027	4 X
K09SB9B	17.3	0.15	K1128	236.555	275.571	343.177	4.193	0.05805	2.46212	5 X
K09SB9Y	16.9	0.15	K1128	297.465	331.340	233.074	3.818	0.09267	2.38440	7 X
K09SC3M	13.7	0.15	K1128	329.340	164.648	291.812	5.428	0.05123	5.20021	4 X
K09SC9V	16.5	0.15	K1128	16.951	327.879	142.678	2.717	0.04703	2.84351	7 X
K09SD2E	16.5	0.15	K1128	70.416	264.560	155.749	4.948	0.07036	2.75698	4 X
K09SD2K	17.2	0.15	K1128	93.283	245.297	139.421	3.257	0.10534	2.92558	3 X
K09SD6J	17.5	0.15	K1128	73.087	212.012	213.876	3.658	0.08096	2.72379	4 X
K09SE7B	16.3	0.15	K1128	30.075	292.124	174.123	6.826	0.17819	3.10749	4 X
K09SF3Z	17.6	0.15	K1128	64.814	237.627	180.883	1.484	0.16205	2.88342	4 X
K09SF6D	16.9	0.15	K1128	314.307	358.343	186.927	3.433	0.08543	2.53928	4 X
K09SG0P	16.9	0.15	K1128	49.294	200.464	252.540	2.687	0.08613	2.73515	4 X
K09SG9C	16.5	0.15	K1128	104.463	252.283	120.687	4.689	0.11294	2.74926	5 X
K09SH3B	17.5	0.15	K1128	312.645	231.760	321.679	5.421	0.10262	2.30634	4 X
K09SI2B	17.9	0.15	K1128	305.184	183.987	8.071	1.216	0.13020	2.35638	4 X
K09SI8K	16.8	0.15	K1128	302.659	87.362	113.121	5.359	0.13052	2.60859	3 X
K09SJ1T	15.9	0.15	K1128	47.685	161.483	266.928	2.510	0.14394	3.05478	5 X
K09SJ5A	17.2	0.15	K1128	310.365	216.160	338.900	3.120	0.11770	2.38388	3 X
K09SJ8Z	16.6	0.15	K1128	99.114	75.982	281.520	2.886	0.21014	3.19671	4 X
K09SK1L	17.0	0.15	K1128	35.041	355.429	96.748	1.637	0.03533	2.80844	4 X
K09SK3J	17.5	0.15	K1128	194.594	191.579	105.972	2.893	0.17998	2.39196	3 X
K09SK5Z	16.7	0.15	K1128	96.974	331.649	38.346	1.084	0.19249	3.17629	6 X
K09SL1L	17.1	0.15	K1128	114.555	187.319	178.013	2.569	0.09936	2.80276	6 X
K09SL4T	15.7	0.15	K1128	49.143	236.853	190.788	10.702	0.06538	3.15043	4 X
K09SL9D	17.1	0.15	K1128	83.127	83.168	303.877	6.942	0.17451	2.87174	2 S
K09SN7Z	15.6	0.15	K1128	76.055	291.515	94.991	9.168	0.14741	3.13234	2 X
K09SN8L	16.6	0.15	K1128	153.239	155.242	163.160	13.326	0.20014	2.61042	6 S

K09SN9D	16.9	0.15	K1128	91.860	144.477	238.072	5.304	0.27070	2.84282	4 X
K09SO3A	15.5	0.15	K1128	10.536	250.824	208.873	16.115	0.09409	3.06671	4 X
K09SO4U	16.7	0.15	K1128	174.774	154.683	159.953	7.672	0.12104	2.59867	6 X
K09SO9R	15.8	0.15	K1128	63.088	223.986	185.904	12.761	0.10538	3.18974	6 X
K09SP1C	16.3	0.15	K1128	66.136	139.469	272.635	1.699	0.19269	3.13016	4 X
K09SP7Y	17.2	0.15	K1128	118.130	314.757	40.809	3.807	0.07737	2.76328	2 X
K09SQ2G	17.6	0.15	K1128	122.234	64.486	290.915	3.749	0.12914	2.71245	3 X
K09SQ2X	17.2	0.15	K1128	50.278	45.432	40.324	5.327	0.20252	2.79194	4 X
K09SQ3S	16.3	0.15	K1128	116.276	159.511	178.392	16.336	0.07966	3.18285	4 X
K09SR3R	17.2	0.15	K1128	30.427	275.685	179.061	2.647	0.07819	2.79460	5 X
K09SR5F	16.5	0.15	K1128	25.349	330.065	119.016	2.179	0.11403	3.14666	5 X
K09SR7O	16.9	0.15	K1128	102.918	248.489	119.244	3.019	0.07977	2.89962	5 X
K09SS2J	16.5	0.15	K1128	53.873	295.368	136.294	5.294	0.04937	2.78599	2 S
K09SS3U	17.1	0.15	K1128	213.393	139.968	131.076	5.152	0.08464	2.59696	6 X
K09SS7K	16.2	0.15	K1128	109.029	65.098	291.563	4.052	0.14403	3.09510	4 X
K09ST4C	17.4	0.15	K1128	68.521	283.087	131.683	2.199	0.15056	2.83663	5 X
K09SU7W	13.9	0.15	K1128	280.166	201.004	309.133	5.569	0.05903	5.16932	5 X
K09SV3W	16.6	0.15	K1128	237.476	309.175	296.232	0.834	0.02332	2.93765	6 X
K09SV8T	16.5	0.15	K1128	50.907	256.793	169.237	5.024	0.12606	3.10155	5 X
K09SW5C	17.1	0.15	K1128	121.899	107.187	258.117	5.221	0.03767	2.71049	3 X
K09SW8A	13.8	0.15	K1128	337.945	239.753	218.486	8.219	0.04292	5.09731	6 X
K09SW9B	16.7	0.15	K1128	117.161	252.606	95.614	5.409	0.26988	2.63075	4 X
K09SW9W	17.2	0.15	K1128	180.748	234.600	74.555	3.783	0.22591	2.33160	5 X
K09SX0V	16.5	0.15	K1128	187.749	242.582	52.979	7.187	0.14708	2.35018	4 X
K09SX7D	16.9	0.15	K1128	84.149	85.859	308.826	6.513	0.19047	2.78603	3 X
K09SY4X	16.7	0.15	K1128	24.706	289.321	185.983	12.689	0.07081	2.70020	7 X
K09SY5F	17.0	0.15	K1128	337.192	108.039	76.361	4.704	0.10674	2.34663	4 X
K09SY8C	16.8	0.15	K1128	40.400	320.988	134.436	4.788	0.02252	2.58952	3 X
K09SZ0N	16.1	0.15	K1128	17.394	46.170	63.145	3.505	0.12996	3.06700	4 X
K09SZ3D	16.8	0.15	K1128	351.809	241.260	250.198	1.291	0.11968	3.11935	6 X
K09SZ6H	17.5	0.15	K1128	268.110	292.900	293.466	2.239	0.02340	2.69335	7 X
K09Sa0H	15.7	0.15	K1128	102.705	269.310	107.005	6.831	0.08643	3.07113	5 X
K09Sa1L	15.6	0.15	K1128	68.549	89.261	325.248	9.089	0.09784	3.10143	4 X
K09Sa1M	15.5	0.15	K1128	72.355	102.309	309.367	7.199	0.15363	3.10767	5 X
K09Sa2D	16.4	0.15	K1128	358.074	47.709	83.141	2.540	0.12021	3.15741	4 X
K09Sa2S	15.9	0.15	K1128	68.758	56.571	340.107	4.072	0.12235	3.21002	4 X
K09T00L	15.8	0.15	K1128	97.469	217.002	120.083	18.110	0.44657	3.04396	6 X
K09T05R	15.8	0.15	K1128	59.691	53.328	13.249	0.547	0.11611	3.21576	7 X
K09T06G	16.7	0.15	K1128	91.259	338.394	45.641	2.055	0.17175	2.99366	3 X
K09T15V	15.6	0.15	K1128	39.970	325.928	119.261	8.665	0.12157	3.16127	4 X
K09T21M	17.2	0.15	K1128	206.455	183.305	109.895	4.433	0.28897	2.22580	6 X
K09T21Q	15.5	0.15	K1128	93.412	253.173	129.703	5.357	0.18878	3.13475	7 X
K09T22Q	16.0	0.15	K1128	75.437	216.399	204.707	5.747	0.05825	2.80885	3 X
K09T24D	16.3	0.15	K1128	3.424	304.908	181.483	3.772	0.21098	3.04416	4 X
K09T32X	16.9	0.15	K1128	105.793	114.016	259.501	3.159	0.08479	2.76148	5 X
K09T33T	16.5	0.15	K1128	115.249	131.574	232.654	4.725	0.10294	2.79832	4 X
K09T33X	15.5	0.15	K1128	71.552	84.393	310.927	10.437	0.11529	3.11074	2 X
K09T36O	15.6	0.15	K1128	33.037	338.718	115.369	5.864	0.09158	3.16529	5 X
K09T40V	15.8	0.15	K1128	79.286	274.488	126.906	11.911	0.09853	3.08648	3 X
K09T41M	15.4	0.15	K1128	86.473	265.072	138.089	11.619	0.09769	2.99721	5 X
K09T41O	16.5	0.15	K1128	133.879	243.794	106.769	7.425	0.06601	2.80632	4 X
K09T48A	16.9	0.15	K1128	184.886	248.869	41.398	8.611	0.11294	2.72821	5 X
K09U03P	12.9	0.15	K1128	62.186	290.497	71.984	14.170	0.03246	5.23285	2 S
K09U04F	16.5	0.15	K1128	121.013	354.018	4.722	1.034	0.09663	2.98462	6 X
K09U07M	17.0	0.15	K1128	85.774	293.371	101.013	1.636	0.07540	2.76238	6 X
K09U15P	15.5	0.15	K1128	66.856	118.018	290.046	8.358	0.08805	3.07107	4 X
K09U25L	15.4	0.15	K1128	2.692	273.880	223.417	10.378	0.03190	3.04332	4 X
K09U27A	16.8	0.15	K1128	143.991	45.327	295.764	2.672	0.10312	2.76663	7 X
K09U31Y	16.7	0.15	K1128	141.320	303.945	43.131	1.223	0.06943	3.00364	5 X
K09U35C	15.8	0.15	K1128	39.540	57.078	56.380	4.389	0.06829	2.97681	6 X
K09U37R	16.5	0.15	K1128	208.159	89.306	207.396	5.439	0.03622	2.78007	4 X
K09U39P	15.6	0.15	K1128	149.538	116.326	216.106	8.324	0.14467	3.00797	5 X
K09U40W	17.1	0.15	K1128	18.147	306.176	181.453	6.471	0.14056	2.42976	4 X
K09U43W	17.2	0.15	K1128	156.572	297.975	36.359	1.893	0.09237	2.66794	8 X
K09U50Z	14.4	0.15	K1128	16.814	219.659	195.757	3.415	0.05262	5.31338	5 X
K09U58W	16.7	0.15	K1128	254.034	22.707	242.025	4.399	0.10101	2.36848	4 X
K09U65L	16.6	0.15	K1128	68.403	286.218	137.866	4.467	0.07990	2.81748	7 X
K09U72G	15.4	0.15	K1128	12.154	275.207	213.331	11.307	0.09757	3.09319	6 X
K09U94Z	16.9	0.15	K1128	53.456	280.572	154.672	2.306	0.06191	2.92615	6 S
K09U97Q	16.4	0.15	K1128	142.214	155.007	182.827	3.326	0.13977	2.97570	6 X
K09U99K	16.0	0.15	K1128	128.503	269.754	83.241	2.824	0.07778	3.16153	7 X
K09UA9J	15.8	0.15	K1128	224.695	253.593	15.030	2.327	0.05446	3.14217	4 X
K09UB5A	17.4	0.15	K1128	319.695	356.286	197.981	6.843	0.05358	2.34296	4 X
K09UB5W	17.4	0.15	K1128	151.326	274.160	60.037	2.723	0.07437	2.63546	3 X
K09UB6Y	15.6	0.15	K1128	98.686	130.690	248.587	8.781	0.09848	3.10630	4 X
K09UD5W	15.5	0.15	K1128	88.648	85.463	309.925	9.626	0.13579	3.04678	5 X
K09UD7P	15.4	0.15	K1128	104.276	105.316	270.755	14.451	0.07373	3.19407	5 X
K09UD7Q	16.4	0.15	K1128	105.668	77.001	300.435	5.299	0.06592	2.77096	2 S
K09UE1N	15.0	0.15	K1128	358.141	228.551	263.552	16.381	0.10463	3.19942	4 X
K09UE5U	15.0	0.15	K1128	127.590	225.778	114.466	22.680	0.09113	3.16543	5 X
K09UF1G	16.9	0.15	K1128	336.994	346.974	175.845	1.986	0.00554	2.84878	9 X
K09V00V	15.6	0.15	K1128	45.322	133.496	316.579	16.716	0.18003	3.13374	5 X

K09V02S	15.4	0.15	K1128	85.444	122.462	274.957	20.880	0.11163	3.08791	4 X
K09V11A	16.7	0.15	K1128	351.975	80.632	73.350	3.143	0.02763	2.73003	4 X
K09V34H	16.4	0.15	K1128	15.118	233.912	258.614	4.107	0.14199	3.10475	4 X
K09V35K	15.6	0.15	K1128	322.232	292.882	248.620	12.275	0.12065	3.15496	5 X
K09V35Z	16.6	0.15	K1128	212.102	304.074	340.637	3.457	0.03997	2.98413	5 X
K09V38S	15.7	0.15	K1128	88.509	122.318	292.449	3.439	0.06730	3.05254	5 X
K09V39N	15.3	0.15	K1128	57.287	45.204	40.532	14.772	0.05452	3.00358	3 X
K09V45F	15.4	0.15	K1128	80.741	43.107	26.351	7.668	0.06106	2.98397	4 X
K09V59P	16.1	0.15	K1128	101.720	235.045	150.993	3.896	0.12346	3.08895	5 X
K09V65O	15.6	0.15	K1128	206.248	29.690	259.181	10.482	0.13149	3.00297	5 X
K09V73L	16.6	0.15	K1128	152.093	123.556	196.255	1.605	0.14002	2.97114	8 X
K09V79E	16.4	0.15	K1128	159.483	26.789	307.694	7.245	0.20598	2.59274	4 X
K09V81C	15.6	0.15	K1128	34.672	233.572	227.481	13.555	0.06229	3.13982	3 X
K09V82K	16.0	0.15	K1128	26.482	68.572	67.292	5.351	0.04376	2.78235	6 S
K09V83G	15.8	0.15	K1128	311.330	305.144	261.119	8.889	0.12767	2.70189	4 X
K09V94X	16.4	0.15	K1128	207.237	130.096	154.596	2.963	0.08269	3.16571	6 X
K09V96A	16.0	0.15	K1128	153.069	254.347	64.199	11.772	0.20618	3.11774	5 X
K09V99C	17.3	0.15	K1128	71.328	9.783	87.730	6.064	0.08272	2.63811	2 X
K09VA5V	17.3	0.15	K1128	200.823	37.344	279.419	3.445	0.23080	2.20626	5 X
K09W05T	16.3	0.15	K1128	302.913	160.880	67.287	14.300	0.09793	2.70404	4 X
K09W23Y	15.7	0.15	K1128	52.405	136.231	307.762	12.170	0.05629	3.02543	3 X
K09W34E	16.1	0.15	K1128	329.207	323.035	232.149	3.738	0.06008	3.03779	4 X
K09W41M	15.7	0.15	K1128	53.328	248.063	201.997	7.993	0.09190	3.14280	4 X
K09W44D	14.9	0.15	K1128	99.692	138.799	246.660	15.337	0.10167	3.11092	3 X
K09W46Y	15.5	0.15	K1128	61.309	243.265	193.614	9.333	0.06757	3.08732	6 X
K09W55D	16.1	0.15	K1128	56.856	227.332	198.813	8.641	0.06215	3.17195	4 X
K09W62T	16.0	0.15	K1128	145.803	119.967	227.250	17.166	0.05943	3.19092	4 X
K09W69V	16.0	0.15	K1128	177.488	40.034	271.549	8.606	0.10854	2.88903	6 X
K09W71O	16.3	0.15	K1128	27.711	25.157	94.471	2.660	0.01011	3.02751	7 X
K09W72U	16.7	0.15	K1128	155.296	178.619	146.401	2.770	0.13855	3.22596	7 X
K09WA1F	16.8	0.15	K1128	0.762	68.196	89.982	5.886	0.02692	2.75504	5 X
K09WA4K	14.9	0.15	K1128	7.813	74.482	82.572	26.740	0.22861	3.14030	4 X
K09WE3P	16.6	0.15	K1128	141.023	303.186	39.773	2.498	0.08317	2.84213	5 X
K09WH7P	15.9	0.15	K1128	327.884	306.780	237.677	9.502	0.14884	3.08695	5 X
K09WI2J	15.1	0.15	K1128	272.904	333.591	273.390	14.978	0.15364	3.11293	6 X
K09WK2W	16.0	0.15	K1128	40.484	56.724	26.976	0.847	0.17082	3.95461	2 X
K09WM0P	16.8	0.15	K1128	97.975	271.318	128.579	1.713	0.03353	2.96925	5 X
K09WM0U	16.9	0.15	K1128	176.906	153.566	168.782	1.928	0.08239	2.76919	7 X
K09WM6J	17.0	0.15	K1128	1.147	332.672	180.906	3.195	0.02390	2.71052	5 X
K09W00B	13.2	0.15	K1128	53.501	313.546	90.261	15.427	0.08850	5.27810	2 S
K09W04O	16.3	0.15	K1128	103.264	241.691	170.069	3.541	0.14128	3.00686	6 S
K09W08Z	16.3	0.15	K1128	164.510	183.474	146.137	4.819	0.09195	2.87527	5 X
K09Y00L	16.0	0.15	K1128	165.267	151.706	195.489	7.388	0.02649	2.86201	4 X
K09Y11F	17.3	0.15	K1128	75.979	213.765	300.653	3.728	0.16502	2.32490	4 X
K09Y13M	16.8	0.15	K1128	98.837	226.707	223.124	3.423	0.09465	2.86028	4 X
K10A71Z	15.7	0.15	K1128	104.302	115.020	279.257	6.799	0.15840	3.41753	4 X
K10A73Z	15.8	0.15	K1128	303.223	165.701	100.614	9.855	0.08400	2.80219	4 X
K10B09S	16.3	0.15	K1128	24.877	317.731	148.796	7.405	0.12616	3.11755	5 X
K10B24S	16.6	0.15	K1128	98.813	214.441	186.178	5.002	0.08198	2.69402	6 X
K10B36V	15.8	0.15	K1128	26.357	249.074	220.428	9.990	0.11753	3.04445	4 X
K10B59P	13.4	0.15	K1128	48.066	306.647	80.560	10.831	0.13027	5.20894	2 X
K10C03U	16.4	0.15	K1128	31.667	230.597	343.010	12.736	0.14999	2.71596	3 X
K10C73P	16.0	0.15	K1128	129.564	103.184	318.318	14.289	0.17131	3.07715	2 X
K10CB7V	16.0	0.15	K1128	144.920	71.300	321.157	8.176	0.08287	3.18258	4 X
K10CE0X	17.8	0.15	K1128	72.498	133.639	51.826	3.046	0.16761	2.34536	3 X
K10CF2G	15.3	0.15	K1128	109.165	118.491	356.222	8.930	0.05057	3.09466	4 X
K10CJ1Q	15.7	0.15	K1128	33.040	119.495	334.399	1.924	0.16734	3.94349	4 X
K10H56X	16.0	0.15	K1128	96.569	24.684	197.983	11.113	0.17035	3.16115	3 X
K10H94G	16.6	0.15	K1128	79.427	115.672	2.957	0.551	0.13471	3.10787	5 X
K10JD1Z	16.7	0.15	K1128	111.272	335.736	278.291	11.221	0.06692	2.33909	5 X
K10L68R	18.4	0.15	K1128	19.711	293.699	114.280	4.583	0.60841	3.03310	2 X
K10L99C	15.3	0.15	K1128	334.359	278.315	153.854	26.433	0.27837	3.18143	3 X
K10M34B	17.2	0.15	K1128	1.855	186.982	206.142	3.958	0.08515	2.75687	4 X
K10N71O	16.9	0.15	K1128	23.756	188.391	209.919	5.591	0.31025	2.59916	2 X
K10O98N	15.8	0.15	K1128	11.252	1.853	46.587	18.522	0.14257	2.84296	3 X
K10OC0U	15.0	0.15	K1128	341.866	74.499	19.531	18.887	0.21431	3.06236	2 X
K10P25V	12.5	0.15	K1128	293.407	209.814	271.273	17.830	0.06610	5.22581	4 S
K10R03Z	16.6	0.15	K1128	279.936	202.245	283.229	9.974	0.08763	2.51868	3 X
K10R54W	17.6	0.15	K1128	240.961	179.319	0.253	20.376	0.03671	1.90677	3 X
K10RD6M	16.6	0.15	K1128	10.199	14.723	30.787	6.708	0.13020	2.44086	5 X
K10RF4A	17.3	0.15	K1128	0.067	121.879	301.326	3.877	0.27643	2.63714	3 X
K10RG5G	17.1	0.15	K1128	66.534	177.281	152.905	3.144	0.20361	2.38348	5 X
K10RG6A	17.3	0.15	K1128	8.173	187.123	216.303	5.314	0.18108	2.70703	4 X
K10S12C	16.5	0.15	K1128	52.439	338.356	11.018	12.988	0.15085	2.66829	2 X
K10S29P	17.5	0.15	K1128	52.035	245.505	107.073	1.483	0.24452	2.36333	5 X
K10T18H	16.9	0.15	K1128	114.965	8.167	261.178	4.325	0.06714	2.59528	4 X
K10TA2M	17.0	0.15	K1128	55.002	305.824	41.399	7.000	0.14662	2.27556	3 X
K10TB5W	17.0	0.15	K1128	35.986	143.690	243.445	6.414	0.09681	2.22243	5 X
K10TC7Y	16.1	0.15	K1128	8.297	258.412	148.912	1.381	0.17151	3.18399	4 X
K10U13D	18.2	0.15	K1128	39.068	27.032	353.334	0.999	0.19642	2.33299	3 X
K10U13L	16.9	0.15	K1128	19.453	100.372	302.135	1.571	0.17451	2.65487	3 X
K10U36M	16.5	0.15	K1128	43.148	121.167	265.285	11.394	0.19108	2.63348	4 X

K10U36T	15.8	0.15	K1128	49.153	122.526	263.242	9.420	0.08851	3.04145	2 X
K10U36Y	14.6	0.15	K1128	50.837	124.573	259.309	16.511	0.06159	3.56366	4 X
K10V13N	17.2	0.15	K1128	74.770	114.868	231.616	0.901	0.23792	2.22305	8 X
K10V24Z	16.5	0.15	K1128	43.265	318.118	59.594	1.821	0.23086	3.03950	2 X
K10V26P	17.2	0.15	K1128	8.769	198.973	237.977	1.648	0.06727	2.61329	3 X
K10V26R	16.5	0.15	K1128	314.972	254.922	245.646	2.466	0.10316	2.64261	6 X
K10V36Z	17.0	0.15	K1128	67.404	258.768	84.741	4.603	0.21431	2.36609	3 X
K10V41W	16.7	0.15	K1128	283.417	110.396	55.179	29.182	0.07397	2.53596	3 X
K10V46Y	17.2	0.15	K1128	324.721	227.675	264.753	5.360	0.11133	2.44898	4 X
K10V63Y	16.5	0.15	K1128	73.161	161.646	181.934	5.639	0.12850	2.87985	4 X
K10V83V	17.5	0.15	K1128	25.103	59.386	354.008	0.538	0.09055	2.73237	3 X
K10V84S	16.5	0.15	K1128	328.841	236.897	242.023	1.473	0.07706	2.99734	4 X
K10V85U	17.0	0.15	K1128	339.817	91.805	18.070	0.597	0.07053	2.63766	7 X
K10V89J	15.4	0.15	K1128	115.845	56.784	261.447	9.716	0.05427	3.02186	4 X
K10V97K	17.3	0.15	K1128	349.593	223.937	231.725	4.294	0.21718	2.71605	3 X
K10VA1X	16.9	0.15	K1128	33.217	172.233	230.783	1.298	0.10780	2.85863	4 X
K10VA4C	16.8	0.15	K1128	70.038	282.523	73.143	5.302	0.17009	2.57881	4 X
K10VB1T	16.8	0.15	K1128	320.685	48.784	81.650	6.402	0.13374	2.62383	4 X
K10VB2F	16.2	0.15	K1128	60.799	195.922	161.184	1.650	0.18151	2.98620	6 X
K10VB3G	16.7	0.15	K1128	44.422	266.419	118.204	3.158	0.11368	2.92404	5 X
K10VB4U	17.8	0.15	K1128	40.189	132.941	267.844	5.275	0.13429	2.25192	2 X
K10VC0S	15.6	0.15	K1128	136.030	221.555	71.819	16.193	0.13207	2.84944	6 X
K10VC7D	18.2	0.15	K1128	37.436	316.471	88.826	1.213	0.20822	2.35206	3 X
K10VG0E	16.7	0.15	K1128	95.460	247.812	97.068	23.797	0.14725	1.86996	4 X
K10VG3Z	18.0	0.15	K1128	82.558	75.607	270.854	3.797	0.16730	2.19204	3 X
K10VG9F	15.5	0.15	K1128	345.197	25.182	69.790	4.589	0.04402	3.16008	5 X
K10VI1U	16.2	0.15	K1128	239.804	127.153	79.092	7.494	0.03949	2.86045	6 X
K10VI4Z	16.6	0.15	K1128	38.847	344.794	43.361	1.626	0.17468	3.12845	3 X
K10VJ1M	15.8	0.15	K1128	355.452	41.616	71.252	11.240	0.06814	2.97492	4 X
K10VJ2F	17.8	0.15	K1128	10.236	122.938	316.801	3.450	0.18093	2.37260	3 X
K10W07P	16.6	0.15	K1128	339.942	166.858	302.486	3.224	0.08002	2.58368	5 X
K10W15O	16.7	0.15	K1128	53.481	256.807	121.705	3.716	0.08820	2.71574	6 S
K10W16D	17.5	0.15	K1128	3.028	10.833	75.739	5.897	0.15790	2.42496	3 X
K10W20P	16.5	0.15	K1128	276.917	280.914	260.226	2.217	0.13093	2.74291	6 X
K10W21Y	16.9	0.15	K1128	158.679	30.376	250.679	8.702	0.07967	2.55221	3 X
K10W23Q	16.8	0.15	K1128	123.569	49.114	264.519	3.238	0.06252	2.80822	4 X
K10W35M	17.9	0.15	K1128	24.219	313.986	106.302	1.659	0.20175	2.31976	3 X
K10W38M	17.5	0.15	K1128	74.916	267.579	87.803	5.991	0.15796	2.24365	5 X
K10W39Z	15.8	0.15	K1128	44.801	295.212	96.626	11.624	0.08262	2.93997	3 X
K10W45S	16.8	0.15	K1128	259.473	122.954	71.378	2.531	0.08594	3.06850	4 X
K10W47M	17.9	0.15	K1128	347.582	43.613	67.212	6.315	0.10183	2.29704	4 X
K10W50B	17.3	0.15	K1128	50.761	140.536	257.131	18.531	0.10146	1.91263	3 X
K10W53R	15.8	0.15	K1128	269.534	279.055	264.020	8.083	0.09750	3.03869	2 X
K10W55N	17.4	0.15	K1128	49.893	120.492	269.969	5.608	0.30667	2.56481	3 X
K10W55S	15.7	0.15	K1128	1.283	7.651	104.952	11.477	0.07046	3.01529	6 X
K10W55U	15.5	0.15	K1128	14.635	0.219	99.980	6.127	0.02749	2.77368	5 X
K10W57Y	17.5	0.15	K1128	344.367	23.071	89.592	3.287	0.16214	2.63141	3 X
K10W66E	15.1	0.15	K1128	133.210	223.586	85.261	12.598	0.08343	3.01687	5 X
K10X04G	16.4	0.15	K1128	343.629	241.248	264.893	13.942	0.08021	2.58450	2 X
K10X05K	16.7	0.15	K1128	35.222	304.837	96.872	14.243	0.26067	2.63192	2 X
K10X12E	15.5	0.15	K1128	111.391	255.992	99.417	12.029	0.08338	3.23713	4 X
K10X19K	15.1	0.15	K1128	34.267	140.264	292.051	26.365	0.14350	3.17665	2 X
K10X24K	16.1	0.15	K1128	57.576	265.864	99.378	13.541	0.18279	2.72719	4 X
K10X37K	16.0	0.15	K1128	337.584	187.454	315.949	4.072	0.14791	3.18816	6 X
K10X37W	17.4	0.15	K1128	345.580	97.093	40.746	3.260	0.15689	2.45252	5 X
K10X42T	16.8	0.15	K1128	33.422	335.885	106.574	9.220	0.17232	2.57682	2 X
K10X43E	16.5	0.15	K1128	31.330	349.107	102.440	13.469	0.09978	2.56243	3 X
K10X52H	16.4	0.15	K1128	14.045	313.488	129.559	15.481	0.15933	2.53577	5 X
K10X55O	17.6	0.15	K1128	19.442	330.668	120.734	1.976	0.15117	2.37298	5 X
K10X57G	16.1	0.15	K1128	345.157	204.168	325.777	11.016	0.18824	2.40944	6 X
K10X59R	17.8	0.15	K1128	301.273	274.659	284.909	18.727	0.10140	1.87011	3 S
K10X60V	17.2	0.15	K1128	54.256	115.726	296.878	24.122	0.15500	1.87173	3 X
K10X62H	15.9	0.15	K1128	10.801	293.676	139.452	2.639	0.17960	3.02701	8 X
K10X63O	15.2	0.15	K1128	233.626	133.847	106.281	13.625	0.01018	3.11200	6 X
K10X66E	16.7	0.15	K1128	354.808	13.342	113.625	9.465	0.12843	2.97895	3 X
K10X75Z	16.2	0.15	K1128	50.939	269.602	118.686	2.714	0.16794	2.89443	7 S
K10X80N	13.4	0.15	K1128	344.623	317.084	142.999	7.539	0.05906	5.26883	6 S
K10X83A	15.9	0.15	K1128	69.794	311.142	68.994	15.434	0.11134	2.55654	4 X
K10X86H	15.3	0.15	K1128	66.884	292.295	83.625	15.597	0.07082	3.09850	3 X
K10X86N	17.0	0.15	K1128	248.487	303.320	268.023	7.172	0.03524	2.29420	4 X
K10Y00Z	15.7	0.15	K1128	80.254	89.125	273.185	7.419	0.09175	3.16192	4 X
K10Y03A	16.5	0.15	K1128	27.515	136.000	275.010	15.425	0.31961	2.71445	2 S
K10Y03Q	15.4	0.15	K1128	15.104	358.920	106.756	18.581	0.16654	3.10498	2 X
K11A00Q	16.3	0.15	K1128	311.059	242.581	294.773	13.508	0.10061	3.06403	2 X
K11A06D	17.6	0.15	K1128	216.043	247.623	19.423	6.721	0.10139	2.33347	2 S
K11A06L	15.0	0.15	K1128	49.214	97.974	314.441	14.908	0.22466	3.10798	2 X
K11A08P	15.5	0.15	K1128	357.183	12.022	108.009	11.544	0.06115	2.98715	2 S
K11A10L	16.7	0.15	K1128	96.032	255.921	114.060	0.065	0.10411	3.00011	4 S
K11A14C	17.4	0.15	K1128	352.546	198.264	303.967	4.383	0.18815	2.33027	2 S
K11A23V	16.5	0.15	K1128	141.443	60.826	278.839	5.102	0.02132	2.70418	3 X
K11A24G	17.2	0.15	K1128	39.568	304.134	122.669	5.895	0.24621	2.59533	2 S
K11A25A	16.7	0.15	K1128	41.477	144.505	280.893	11.627	0.22050	2.55509	3 X

PLS6229	17.3	0.15	K1128	77.809	63.241	334.512	4.857	0.17773	2.31659	5 X
T2S5113	16.6	0.15	K1128	73.028	146.424	239.813	8.868	0.25158	2.74093	4 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K10J81C	13.4	0.15	K1128	356.711	12.581	30.769	38.689	0.77769	8.14482	221	X
K10R64M	11.0	0.15	K1128	352.984	290.984	114.028	26.985	0.68509	19.56912	122	X
K10TA1B	14.9	0.15	K1128	355.417	182.381	243.064	15.529	0.28269	3.09775	199	X
K10TD8A	17.0	0.15	K1128	27.740	159.608	234.653	6.698	0.10441	2.34933	108	X
K10TF0W	16.7	0.15	K1128	26.221	130.489	241.882	12.733	0.24169	2.78707	140	X
K10U36Q	15.4	0.15	K1128	11.634	166.628	261.746	10.163	0.06535	3.22388	90	X
K10U55H	14.5	0.15	K1128	354.587	221.604	235.264	8.663	0.57510	6.51492	137	X
K10U58G	15.2	0.15	K1128	282.128	273.387	254.575	12.242	0.08457	3.11296	90	X
K10U61W	16.1	0.15	K1128	12.890	170.316	244.302	12.102	0.28704	2.77680	188	X
K10U73L	15.9	0.15	K1128	34.870	141.343	258.450	15.343	0.10894	3.09403	90	X
K10U75M	15.3	0.15	K1128	54.727	287.757	59.106	26.509	0.16305	3.19990	172	X
K10VD9X	20.5	0.15	K1128	222.498	33.313	242.549	21.242	0.16372	0.96484	74	X
K10VF2R	16.5	0.15	K1128	22.980	341.257	81.531	15.665	0.23258	2.66921	81	X
K10VK1O	17.8	0.15	K1128	342.494	65.328	89.554	26.987	0.10827	1.87917	83	S
K10W07O	18.2	0.15	K1128	348.707	57.229	98.800	13.608	0.55507	2.37157	61	X
K10X58W	24.7	0.15	K1128	38.603	290.639	126.177	0.039	0.39911	1.60545	48	X
K10Y00B	20.8	0.15	K1128	33.933	94.145	314.752	3.604	0.49467	1.82208	42	X
K11A05G	21.9	0.15	K1128	334.455	53.505	135.734	3.682	0.39054	1.43048	20	X
K11A05L	22.6	0.15	K1128	9.466	112.602	356.712	1.460	0.44534	2.31732	19	X
K11A22X	24.7	0.15	K1128	113.171	291.186	57.856	0.686	0.33664	0.96726	18	X
K11A24L	22.3	0.15	K1128	357.536	214.836	292.008	7.854	0.34563	1.72421	16	X
K11A24M	20.5	0.15	K1128	145.102	214.657	127.280	9.173	0.15029	1.17860	16	X
K11A26R	20.2	0.15	K1128	99.747	48.237	308.497	24.389	0.40503	1.35582	16	X
K11A26S	22.7	0.15	K1128	11.504	183.779	280.506	3.076	0.44715	2.15689	15	X
K11A26V	16.4	0.15	K1128	36.991	283.777	122.462	31.531	0.39581	2.66740	25	X
K11A37A	22.9	0.15	K1128	91.291	128.583	275.922	3.817	0.01708	1.09583	14	X
K11A37F	20.7	0.15	K1128	2.745	357.732	133.483	14.127	0.37984	1.99633	15	X
K11A37K	25.2	0.15	K1128	10.614	321.619	118.972	3.611	0.65904	2.86158	14	X
K11A52O	18.1	0.15	K1128	355.062	12.281	162.702	17.921	0.59354	2.75875	13	X
K11B10Y	27.1	0.15	K1128	23.147	141.166	302.776	1.931	0.41488	1.59066	3	X
K11B11V	23.4	0.15	K1128	342.633	265.651	311.135	6.213	0.66049	1.92748	3	X
K11B11W	28.3	0.15	K1128	20.741	81.978	302.901	1.567	0.75402	1.98596	2	X
K11B11Y	25.4	0.15	K1128	339.348	55.879	126.471	17.891	0.34126	1.39042	1	S
K11B12A	22.8	0.15	K1128	352.233	288.394	243.889	0.132	0.57426	2.48545	3	X
K11B15R	19.8	0.15	K1128	214.736	71.976	217.011	10.190	0.27634	0.87391	2	X
K11B15V	20.4	0.15	K1128	24.657	306.341	135.426	23.994	0.43532	2.21646	2	H

New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K07T51U	18.3	0.15	K07AR	24.965	95.216	250.169	0.845	0.31875	2.57620	45DS	
K10S38Z	17.7	0.15	K10AV	30.777	8.083	336.467	6.466	0.17030	2.25616	95	S
K10T11O	17.1	0.15	K10BK	344.231	178.729	237.499	11.291	0.28386	2.68554	132	X
K10TH6S	16.1	0.15	K10BK	351.806	169.860	242.839	13.169	0.19550	3.05847	110	S
K10U59K	16.9	0.15	K10CA	341.779	213.545	249.198	12.975	0.21830	2.62403	90	X
K10U70X	16.4	0.15	K10BK	327.953	174.010	270.980	13.491	0.15636	2.71782	102	S
K10V11O	16.0	0.15	K10CA	25.301	152.352	287.258	32.431	0.17294	2.61602	85	S
K10V23F	16.8	0.15	K10BK	353.919	7.128	43.265	14.527	0.14762	2.64819	107	S
K10V51S	16.2	0.15	K10CA	112.415	42.807	263.244	14.139	0.11415	2.55379	85	X
K10W27E	18.1	0.15	K10CA	4.484	161.409	263.525	4.774	0.14208	2.33030	82	X
K10W27S	17.2	0.15	K10CA	343.905	192.126	263.724	7.616	0.20685	2.80591	61	X
K10W31G	15.7	0.15	K10CA	277.038	114.477	69.628	13.751	0.27869	3.05296	77	X
K10W44V	16.1	0.15	K10CA	354.344	170.448	266.640	12.444	0.13316	2.62350	90	X
K10X13L	15.2	0.15	K10CA	323.811	214.608	260.771	33.090	0.12416	3.21882	76	S
K10X17O	15.2	0.15	K10CU	12.953	341.293	106.303	16.694	0.14358	3.22070	56	X
K10X25K	16.0	0.15	K10CU	305.261	238.152	265.999	23.972	0.11412	2.34258	51	X
K10X51E	16.8	0.15	K10CU	350.123	189.814	310.974	4.130	0.12702	2.63239	49	X
K10X51F	16.8	0.15	K10CU	320.902	229.159	312.536	1.348	0.15008	2.91268	49	X
K10X56E	17.5	0.15	K10CA	23.844	3.116	36.569	1.201	0.22882	2.31859	58	X
K10X58Q	15.5	0.15	K10CU	33.705	290.587	98.629	19.559	0.26540	3.07017	47	X
K10X63K	17.3	0.15	K10CU	17.177	347.337	92.911	4.712	0.17122	2.73996	49	X
K10X67L	17.2	0.15	K10CU	94.532	259.643	115.767	7.190	0.01512	2.68065	45	X
K10X78W	15.1	0.15	K10CU	11.855	340.013	89.008	16.718	0.05573	3.12494	54	X
K10Y01Q	15.3	0.15	K10CU	333.746	203.146	294.887	15.599	0.15101	3.15192	54	X
K10Y03F	16.1	0.15	K10CU	8.597	155.041	291.408	12.386	0.29687	3.16306	31	X
K10Y04B	16.6	0.15	K10CU	16.678	139.974	307.970	15.095	0.21728	3.22275	25	S
K11A00G	16.0	0.15	K10CU	344.598	8.061	120.902	6.486	0.10403	3.00498	25	X
K11A00V	15.4	0.15	K10CU	117.135	233.546	117.907	11.711	0.04395	3.24690	25	X
K11A00Y	17.0	0.15	K10CU	334.448	205.310	298.306	1.974	0.13786	2.43509	25	X
K11A01B	18.1	0.15	K10CU	21.586	316.275	121.600	7.560	0.18857	2.34514	25	X
K11A01K	16.3	0.15	K10CU	121.062	41.729	299.498	13.379	0.11390	2.69043	25	X
K11A02M	17.1	0.15	K10CU	15.097	17.992	63.810	4.930	0.19249	3.03067	25	X
K11A04J	17.6	0.15	K10CU	333.370	8.419	146.584	3.957	0.23119	2.64012	23	X
K11A04X	18.1	0.15	K10CU	4.209	339.903	118.979	5.714	0.24208	2.36699	25	X
K11A06F	17.7	0.15	K10CU	279.134	129.238	80.244	13.750	0.17951	2.56962	13	S
K11A06M	17.3	0.15	K10CU	337.818	199.500	302.742	23.384	0.15842	2.26047	22	X
K11A07Y	15.7	0.15	K10CU	286.003	262.648	286.993	7.145	0.05912	3.04334	25	X
K11A08M	15.0	0.15	K10CU	54.356	294.953	108.740	23.578	0.10303	3.23439	25	X



K11A09F	17.2	0.15	K10CU	11.861	334.807	113.426	5.263	0.21558	2.64812	25 X
K11A09K	18.9	0.15	K10CU	357.622	177.727	293.523	7.948	0.38501	2.66707	24 S
K11A09S	16.0	0.15	K10CU	335.332	199.512	300.690	8.159	0.07684	3.15613	24 X
K11A10F	15.7	0.15	K10CU	82.291	88.346	293.939	9.148	0.05663	3.08713	24 X
K11A10N	15.7	0.15	K10CU	56.549	120.427	290.883	8.127	0.03941	2.58047	24 X
K11A10Q	17.5	0.15	K10CU	62.386	242.954	139.735	0.759	0.21838	2.53392	24 X
K11A10S	16.4	0.15	K10CU	84.273	88.444	291.291	12.417	0.06241	2.79849	24 X
K11A10U	16.0	0.15	K10CU	16.155	336.095	116.705	9.900	0.05322	3.25208	48 X
K11A11B	17.3	0.15	K10CU	323.732	204.771	315.161	0.782	0.16507	2.73182	24 X
K11A11C	16.6	0.15	K10CU	28.809	144.769	294.797	9.760	0.07708	3.11847	24 X
K11A11D	15.7	0.15	K10CU	299.482	243.356	294.609	10.544	0.04331	3.09145	24 X
K11A11G	15.6	0.15	K10CU	21.574	288.321	151.411	14.074	0.25829	3.20826	24 S
K11A11J	17.2	0.15	K10CU	338.375	73.659	73.904	21.694	0.34208	2.35940	25 X
K11A11W	17.7	0.15	K10CU	348.457	191.769	294.345	4.924	0.12273	2.61608	24 X
K11A11Y	17.2	0.15	K10CU	342.265	18.625	114.762	9.641	0.10408	2.72387	24 X
K11A12A	15.9	0.15	K10CU	61.479	300.675	107.147	9.179	0.06524	2.97650	18 S
K11A12F	18.0	0.15	K10CU	5.983	346.065	121.627	2.843	0.15478	2.35659	22 S
K11A12W	16.3	0.15	K10CU	79.034	97.383	284.850	8.604	0.09728	3.06209	24 X
K11A12X	18.4	0.15	K10CU	336.941	275.288	247.671	6.108	0.25718	2.22196	23 X
K11A13L	15.3	0.15	K10CU	353.526	162.969	311.000	14.400	0.21718	3.18893	19 S
K11A13P	16.3	0.15	K10CU	91.758	17.784	336.076	8.703	0.22652	2.44524	21 S
K11A15F	17.1	0.15	K10CU	3.874	353.431	106.289	9.339	0.18052	2.80460	25 X
K11A15G	16.6	0.15	K10CU	341.010	9.107	128.539	6.680	0.06254	2.45582	14 S
K11A16F	19.4	0.15	K10CU	357.391	152.812	314.559	6.461	0.38693	2.29761	22 S
K11A16L	15.2	0.15	K10CU	64.832	102.172	296.953	17.370	0.12618	3.19227	22 X
K11A20V	17.1	0.15	K10CU	318.874	208.956	320.768	4.137	0.14611	2.71983	14 S
K11A22F	15.9	0.15	K10CU	31.624	304.651	124.283	10.688	0.15134	3.12242	18 X
K11A23W	18.3	0.15	K10CU	345.452	341.212	149.435	2.423	0.16949	2.42039	24 X
K11A24E	17.7	0.15	K10CU	337.637	175.930	327.235	3.988	0.15283	2.43645	18 S
K11A24Q	16.1	0.15	K10CU	328.765	228.085	284.612	7.362	0.19615	3.24804	25 X
K11A24V	18.5	0.15	K10CU	354.974	2.582	120.287	15.825	0.48412	3.13056	25 S
K11A24X	17.0	0.15	K10CA	303.152	224.370	297.058	6.699	0.04864	2.34671	73 X
K11A24Y	14.9	0.15	K10CU	39.667	115.901	291.676	25.280	0.21193	3.20228	25 X
K11A25Q	16.6	0.15	K10CU	38.110	136.391	289.452	12.159	0.08998	2.98191	24 X
K11A27H	16.6	0.15	K10CU	4.013	171.625	299.920	28.735	0.27074	2.77849	22 X
K11A27L	15.8	0.15	K10CU	309.014	239.879	299.263	9.817	0.07396	3.04225	22 X
K11A27N	18.9	0.15	K10CU	25.595	136.411	299.835	2.317	0.17553	2.29386	14 S
K11A27S	18.6	0.15	K10CU	28.212	154.930	283.969	3.451	0.10760	2.27935	14 S
K11A28O	14.7	0.15	K111J	48.753	299.498	126.406	22.100	0.05822	3.17845	16 X
K11A28Y	18.2	0.15	K10CU	41.820	290.796	129.145	4.693	0.13134	2.14843	12 S
K11A29F	15.3	0.15	K111J	336.847	214.528	310.454	7.780	0.11075	3.11661	17 X
K11A29Y	17.8	0.15	K10CU	321.844	223.307	295.105	2.032	0.13072	2.29219	19 X
K11A30D	16.2	0.15	K10CU	64.180	290.100	107.045	10.080	0.12579	3.02506	14 S
K11A30E	17.3	0.15	K10CU	4.193	141.802	327.268	3.854	0.10989	2.65233	14 S
K11A30F	18.0	0.15	K10CU	289.188	84.388	115.626	3.383	0.16499	2.36644	18 X
K11A30N	17.1	0.15	K10CU	345.358	30.277	102.515	3.584	0.15518	2.61190	14 S
K11A30O	17.1	0.15	K10CU	352.671	182.707	301.348	7.221	0.16981	2.78046	14 S
K11A30P	16.4	0.15	K10CU	174.662	184.072	117.913	5.594	0.04275	2.76368	14 S
K11A31J	15.3	0.15	K10CU	142.185	209.187	123.980	12.153	0.09742	3.05351	18 X
K11A32T	18.1	0.15	K10CU	35.912	261.330	168.462	4.858	0.10372	2.27067	13 S
K11A34B	16.7	0.15	K111J	5.196	162.548	314.698	2.824	0.19493	3.14577	17 X
K11A35M	16.5	0.15	K111J	328.751	230.035	290.510	12.801	0.05966	2.41137	16 S
K11A35S	15.9	0.15	K111J	332.573	243.129	289.155	12.302	0.24776	3.18790	16 X
K11A36E	17.6	0.15	K111J	11.458	321.413	147.331	6.128	0.27687	2.63831	16 S
K11A38D	16.7	0.15	K10CU	348.717	188.636	298.554	6.865	0.20386	3.93856	19 X
K11A38L	17.6	0.15	K10CU	350.296	5.961	115.500	6.331	0.07467	2.48795	19 X
K11A38Q	16.4	0.15	K10CU	7.040	229.005	232.856	1.894	0.19710	3.95540	18 X
K11A38U	15.6	0.15	K10CU	256.781	287.097	308.758	14.217	0.15980	3.18895	13 S
K11A43D	16.4	0.15	K111J	134.800	243.767	96.639	2.196	0.14251	3.08047	17 X
K11A43J	17.0	0.15	K111J	329.377	73.009	93.168	2.552	0.14851	3.08488	17 X
K11A43U	15.9	0.15	K10CU	339.669	203.364	308.890	15.745	0.19767	3.18158	22 X
K11A44F	16.9	0.15	K111J	24.175	330.467	123.620	1.900	0.13650	3.02146	17 S
K11A44H	18.0	0.15	K111J	289.929	84.642	124.888	2.212	0.12468	2.44245	17 S
K11A44W	17.2	0.15	K111J	5.900	16.553	100.906	1.974	0.25268	3.00523	17 S
K11A45K	18.4	0.15	K111J	24.638	135.444	312.435	4.630	0.24640	2.57643	17 S
K11A45N	16.7	0.15	K111J	33.534	315.159	125.448	9.397	0.19551	2.46666	17 X
K11A46F	16.7	0.15	K111J	322.595	40.553	136.722	8.810	0.07005	2.78167	17 X
K11A46G	16.4	0.15	K111J	292.015	75.591	136.535	14.615	0.08707	2.63141	17 X
K11A46J	16.4	0.15	K111J	352.614	6.366	139.689	5.526	0.16189	3.17625	17 X
K11A46K	17.1	0.15	K111J	321.105	228.970	309.345	5.752	0.07250	2.38948	17 X
K11A46M	17.7	0.15	K111J	15.398	162.008	310.379	8.910	0.14762	2.46759	17 X
K11A47M	16.5	0.15	K111J	55.000	284.952	124.137	10.600	0.12201	3.08291	16 X
K11A47O	15.5	0.15	K111J	352.010	332.858	154.500	3.341	0.16438	3.98500	16 X
K11A47W	16.6	0.15	K111J	21.716	327.593	119.945	18.453	0.13924	3.08340	16 X
K11A48K	16.9	0.15	K111J	359.800	0.832	124.673	15.412	0.05778	2.56970	16 S
K11A49E	17.3	0.15	K111J	72.689	99.752	305.957	19.488	0.06626	1.88258	15 X
K11A51W	17.9	0.15	K111J	8.077	9.678	109.748	6.131	0.22617	2.65765	14 X
K11A52F	15.8	0.15	K111J	35.990	277.813	148.131	26.407	0.25016	3.16279	13 X
K11A52U	17.5	0.15	K10CU	55.186	289.449	110.949	8.841	0.20112	2.60635	49 S
K11A53J	18.8	0.15	K111J	313.894	230.331	314.111	18.578	0.09794	1.90548	16 X
K11A53K	18.2	0.15	K111J	6.285	138.562	342.896	4.794	0.19359	2.36182	16 S
K11A54Z	15.1	0.15	K111J	29.949	339.955	100.005	3.227	0.06267	5.13236	13ES

K11A55E	18.0	0.15	K111J	16.886	155.941	295.222	6.984	0.17081	2.57704	13	X
K11A55T	16.1	0.15	K10CU	346.747	7.008	137.423	39.137	0.35990	3.24520	23	S
K11A56V	17.8	0.15	K111J	7.677	259.409	222.719	0.371	0.13860	2.42234	17	X
K11A60C	16.6	0.15	K111J	24.376	326.241	124.906	7.830	0.07973	2.40144	15	X
K11A60M	18.4	0.15	K111J	302.750	264.242	296.062	2.018	0.15953	2.33531	15	X
K11A60P	16.1	0.15	K111J	346.461	170.774	330.861	5.744	0.15617	3.13987	14	X
K11A61K	19.0	0.15	K111J	357.136	7.137	114.380	2.828	0.17775	2.31194	14	X
K11A62U	18.6	0.15	K111J	10.322	149.425	325.659	2.757	0.18319	2.38700	14	X
K11A63C	17.7	0.15	K111J	307.657	212.606	346.541	1.737	0.14444	2.37257	14	X
K11A64N	16.8	0.15	K111J	357.558	15.869	103.561	2.607	0.15841	3.11604	13	X
K11A64U	17.7	0.15	K111J	170.463	357.229	306.410	2.952	0.13575	2.19921	13	X
K11A64Z	18.9	0.15	K111J	353.994	176.321	307.712	1.732	0.13157	2.27047	13	X
K11A65C	17.1	0.15	K111J	85.476	316.055	66.000	0.690	0.07079	2.79010	13	X
K11A65F	18.2	0.15	K111J	47.041	100.086	319.920	0.977	0.09751	2.58254	13	X
K11A66Z	17.0	0.15	K111J	97.482	241.043	109.844	3.779	0.25794	2.50002	13	ES
K11A67E	15.7	0.15	K111J	239.392	311.703	291.441	14.272	0.06989	3.00947	13	X
K11A67G	16.2	0.15	K111J	149.581	207.450	117.630	7.238	0.02265	2.68608	13	X
K11A67L	17.2	0.15	K111J	282.530	310.698	252.600	0.505	0.08408	2.39669	13	ES
K11A67T	16.6	0.15	K111J	167.199	185.973	121.324	10.562	0.06982	2.85891	13	X
K11A67V	17.0	0.15	K111J	322.928	34.458	126.365	7.498	0.09632	3.03898	13	X
K11A67X	16.3	0.15	K111J	126.785	227.364	119.303	14.847	0.03120	3.12008	13	X
K11A68A	18.0	0.15	K111J	213.237	340.780	284.624	4.567	0.03072	2.14266	13	X
K11A68K	16.7	0.15	K111J	63.575	109.226	307.829	3.749	0.13912	3.10872	13	X
K11A68Q	16.7	0.15	K111J	29.621	147.639	313.904	17.573	0.06558	2.73587	13	X
K11A72C	10.9	0.15	K10CU	350.606	26.532	119.129	14.631	0.49158	22.37196	24	S
K11A75Z	16.9	0.15	K10CU	321.977	251.568	316.567	25.330	0.45108	2.59581	19	S
K11B10X	18.3	0.15	K111J	3.598	348.460	79.032	9.766	0.65365	2.95785	4	S
K11B11S	14.9	0.15	K111J	178.958	5.815	298.570	19.361	0.30922	2.96484	4	X
K11B15U	13.5	0.15	K111J	139.583	203.540	41.414	9.956	0.46782	2.98780	1	EH
K11B15W	17.7	0.15	K111J	56.180	273.053	148.083	25.686	0.07544	1.87970	0	EH
K11B15X	18.7	0.15	K111J	310.365	304.217	274.936	11.890	0.38964	2.15074	0	ES
K11B16C	16.6	0.15	K10CU	332.083	223.790	285.446	6.947	0.22296	3.08994	24	S
K11B16N	15.7	0.15	K111J	189.916	189.646	111.432	4.714	0.05969	2.67295	15	S

New observations:

K00CA1R	KC2011	01	24.04629	08	51	05.38	+18	56	42.4	19.0	RuEB046160
K00CA1R	KC2011	01	24.04901	08	51	05.27	+18	56	42.5	19.1	RuEB046160
K00CA1R	KC2011	01	24.05172	08	51	05.14	+18	56	42.5	19.2	RuEB046160
K00CA1R	C2011	01	27.35498	08	49	47.81	+18	56	03.4	18.6	cEB046704
K00CA1R	C2011	01	27.36811	08	49	47.27	+18	56	03.2	18.6	cEB046704
K00CA1R	C2011	01	27.38117	08	49	46.79	+18	56	03.1	18.9	cEB046704
K00CA1R	C2011	01	27.39460	08	49	46.28	+18	56	01.9	18.7	cEB046704
K00CA1R	C2011	01	27.40821	08	49	45.83	+18	56	01.0	19.1	cEB046704
K02004S	C2011	01	27.24626	05	17	17.28	+21	36	37.6	19.5	cEB046704
K02004S	C2011	01	27.25918	05	17	18.34	+21	36	05.5	19.8	cEB046704
K02004S	C2011	01	27.27212	05	17	19.40	+21	35	33.5	19.5	cEB046704
K03YB7S	C2011	01	27.27095	08	38	28.60	+04	35	08.7	17.9	VrEB046703
K03YB7S	C2011	01	27.27789	08	38	26.91	+04	34	53.5	17.8	VrEB046703
K03YB7S	C2011	01	27.28487	08	38	25.26	+04	34	37.4	17.6	VrEB046703
K03YB7S	C2011	01	27.29185	08	38	23.64	+04	34	23.0	17.4	VrEB046703
K04B01V	C2011	01	27.16064	04	40	15.02	+23	03	20.9	20.4	VrEB046G96
K04B01V	C2011	01	27.16755	04	40	15.02	+23	03	24.3	20.7	VrEB046G96
K04B01V	C2011	01	27.17453	04	40	15.09	+23	03	27.5	20.5	VrEB046G96
K04B01V	C2011	01	27.18148	04	40	15.20	+23	03	31.1	21.2	VrEB046G96
K04E20M	HC2011	01	27.48808	12	19	53.66	+06	57	02.0		oEB046291
K04E20M	HC2011	01	27.49597	12	19	53.75	+06	56	58.9		oEB046291
K04E20M	C2011	01	27.50405	12	19	53.90	+06	56	56.5		oEB046291
K04F01G	C2011	01	27.60071	10	50	40.60	-33	56	29.7	20.7	RoEB046474
K04F01G	C2011	01	27.60383	10	50	40.77	-33	56	32.1	20.1	RoEB046474
K04F01G	C2011	01	27.60661	10	50	40.85	-33	56	32.3	19.8	RoEB046474
K04Y23Z	C2011	01	27.16343	03	45	34.48	+08	55	08.7	19.8	VrEB046703
K04Y23Z	C2011	01	27.16915	03	45	34.27	+08	55	03.4	19.8	VrEB046703
K04Y23Z	C2011	01	27.17480	03	45	34.23	+08	54	59.5	19.2	VrEB046703
K04Y23Z	C2011	01	27.18051	03	45	34.12	+08	54	56.5	19.2	VrEB046703
K07C27A	C2011	01	27.64325	07	44	39.85	+30	40	30.8		uEB046379
K07C27A	C2011	01	27.64549	07	44	38.82	+30	40	50.9		uEB046379
K07E00J	KC2011	01	27.97926	01	18	59.05	+21	11	24.1		uEB046I15
K07E00J	KC2011	01	27.98510	01	19	01.20	+21	11	45.9		uEB046I15
K07E26J	C2011	01	26.50697	06	06	30.78	-37	33	24.2	19.2	VrEB046E12
K07E26J	C2011	01	26.52177	06	06	30.96	-37	32	50.1	19.3	VrEB046E12
K07E26J	C2011	01	26.53663	06	06	31.17	-37	32	15.4	19.9	VrEB046E12
K07E26J	C2011	01	26.55155	06	06	31.35	-37	31	41.3	19.9	VrEB046E12
K07T23L	JC2011	01	28.13019	02	44	31.85	+13	04	24.9	21.5	VoEB046695
K07T23L	JC2011	01	28.13243	02	44	31.55	+13	04	24.4	22.1	VoEB046695
K07T23L	JC2011	01	28.13443	02	44	31.26	+13	04	23.6	21.8	VoEB046695
K10L68R	KC2011	01	24.00484	07	33	35.12	+22	39	31.1	18.9	RuEB046160
K10L68R	KC2011	01	24.00759	07	33	35.04	+22	39	32.0	18.8	RuEB046160
K10L68R	KC2011	01	24.01035	07	33	34.94	+22	39	33.1	18.7	RuEB046160
K10L68R	C2011	01	27.34517	07	32	05.03	+23	02	18.8	18.4	cEB046704
K10L68R	C2011	01	27.35825	07	32	04.69	+23	02	24.3	18.8	cEB046704
K10L68R	C2011	01	27.37136	07	32	04.30	+23	02	29.0	19.2	cEB046704
K10L68R	C2011	01	27.38441	07	32	03.94	+23	02	34.1	18.7	cEB046704

K10VD9X	C2011	01	27.41458	04	24	19.15	-38	23	19.8	20.3	RoEB046474
K10VD9X	C2011	01	27.41759	04	24	19.08	-38	23	18.5	20.0	RoEB046474
K10VD9X	C2011	01	27.42037	04	24	18.97	-38	23	17.1	20.8	RoEB046474
K10VD9X	C2011	01	27.42384	04	24	18.86	-38	23	15.5	20.4	RoEB046474
K10W07Q	C2011	01	27.15287	03	14	00.82	+19	33	02.7	19.4	cEB046704
K10W07Q	C2011	01	27.16582	03	14	00.97	+19	33	25.0	19.4	cEB046704
K10W07Q	C2011	01	27.17879	03	14	01.12	+19	33	46.5	19.2	cEB046704
K10W07Q	C2011	01	27.19185	03	14	01.30	+19	34	08.4	19.6	cEB046704
K10W07Q	C2011	01	27.20492	03	14	01.45	+19	34	30.4	19.6	cEB046704
K10X58W	JC2011	01	28.25145	09	11	19.76	+16	14	31.8	22.6	VoEB046695
K10X58W	JC2011	01	28.25346	09	11	19.56	+16	14	32.7	22.5	VoEB046695
K10X58W	JC2011	01	28.25545	09	11	19.35	+16	14	33.4	22.5	VoEB046695
K10Y00B	C2011	01	27.41013	09	02	54.18	+18	47	32.2	18.8	cEB046704
K10Y00B	C2011	01	27.42313	09	02	52.56	+18	47	26.3	19.3	cEB046704
K10Y00B	C2011	01	27.43607	09	02	50.85	+18	47	21.0	19.3	cEB046704
K10Y00B	C2011	01	27.46203	09	02	47.62	+18	47	09.6	19.4	cEB046704
K11A05G	tC2011	01	28.26496	04	18	52.05	+14	25	44.3	19.9	VoEB046291
K11A05G	tC2011	01	28.26882	04	18	50.88	+14	25	45.8	20.0	VoEB046291
K11A05L	C2011	01	27.45065	08	47	46.69	+22	33	09.2		oEB046291
K11A05L	C2011	01	27.45630	08	47	46.74	+22	33	06.7		oEB046291
K11A05L	C2011	01	27.46199	08	47	46.80	+22	33	04.4		oEB046291
K11A22X	HC2011	01	27.36819	06	40	00.08	+27	44	25.1		oEB046291
K11A22X	HC2011	01	27.37224	06	39	59.81	+27	44	21.2		oEB046291
K11A22X	HC2011	01	27.37625	06	39	59.34	+27	44	18.4		oEB046291
K11A22X	HC2011	01	28.16292	06	39	10.24	+27	38	30.1		oEB046291
K11A22X	C2011	01	28.16727	06	39	09.77	+27	38	27.8		oEB046291
K11A22X	JC2011	01	28.17113	06	39	09.47	+27	38	26.3	21.8	VoEB046695
K11A22X	JC2011	01	28.17705	06	39	09.01	+27	38	23.8	21.7	VoEB046695
K11A22X	JC2011	01	28.18238	06	39	08.54	+27	38	21.8	21.8	VoEB046695
K11A24L	C2011	01	27.41375	09	48	22.24	-04	18	49.0	19.4	VrEB046703
K11A24L	C2011	01	27.41911	09	48	22.50	-04	19	10.5	19.5	VrEB046703
K11A24L	C2011	01	27.42456	09	48	22.82	-04	19	32.3	19.9	VrEB046703
K11A24L	C2011	01	27.43004	09	48	23.04	-04	19	51.8	20.2	VrEB046703
K11A24L	C2011	01	27.51758	09	48	30.32	-04	24	35.5	20.1	RoEB046474
K11A24L	C2011	01	27.52001	09	48	30.44	-04	24	45.4	19.3	RoEB046474
K11A24L	C2011	01	27.52198	09	48	30.54	-04	24	53.2		oEB046474
K11A24L	C2011	01	27.52384	09	48	30.59	-04	25	00.5	19.4	RoEB046474
K11A24L	C2011	01	27.63153	09	48	36.70	-04	32	11.6	20.2	RuEB046D90
K11A24L	C2011	01	27.63705	09	48	36.94	-04	32	33.5	20.8	RuEB046D90
K11A24L	C2011	01	27.64258	09	48	37.16	-04	32	55.5	20.6	RuEB046D90
K11A24L	C2011	01	27.64814	09	48	37.39	-04	33	17.6	19.8	RuEB046D90
K11A24M	C2011	01	27.40996	09	03	41.81	+17	36	56.0	18.8	cEB046704
K11A24M	C2011	01	27.42295	09	03	40.18	+17	37	22.4	19.4	cEB046704
K11A24M	C2011	01	27.43590	09	03	38.43	+17	37	46.2	19.3	cEB046704
K11A24M	C2011	01	27.44883	09	03	36.65	+17	38	11.2	19.1	cEB046704
K11A24M	C2011	01	27.46186	09	03	35.03	+17	38	36.1	19.4	cEB046704
K11A26R	tC2011	01	27.41063	09	12	32.87	+13	35	58.9	21.0	VoEB046291
K11A26R	tC2011	01	27.41459	09	12	32.06	+13	35	55.0	20.5	VoEB046291
K11A26R	tC2011	01	27.41836	09	12	31.33	+13	35	53.2	20.5	VoEB046291
K11A26S	C2011	01	27.32660	08	30	58.75	+11	40	06.4	20.1	VrEB046G96
K11A26S	C2011	01	27.33529	08	30	59.07	+11	39	59.1	20.5	VrEB046G96
K11A26S	C2011	01	27.34403	08	30	59.36	+11	39	52.1	20.7	VrEB046G96
K11A37A	C2011	01	27.26692	08	46	58.65	-02	11	18.6	19.3	VrEB046703
K11A37A	C2011	01	27.27387	08	46	57.43	-02	11	25.8	19.3	VrEB046703
K11A37A	C2011	01	27.28086	08	46	56.24	-02	11	33.9	19.5	VrEB046703
K11A37A	C2011	01	27.57931	08	46	12.38	-02	15	56.0	19.1	RuEB046D90
K11A37A	C2011	01	27.59041	08	46	10.48	-02	16	08.6	18.5	RuEB046D90
K11A37F	C2011	01	27.50104	08	55	37.62	+10	48	48.9	19.1	RoEB046474
K11A37F	C2011	01	27.50243	08	55	37.70	+10	48	53.2	18.7	RoEB046474
K11A37F	C2011	01	27.50359	08	55	37.79	+10	48	57.5	18.3	RoEB046474
K11A37F	C2011	01	27.50485	08	55	37.88	+10	49	01.4	18.7	RoEB046474
K11A37F	KC2011	01	28.13699	08	56	26.55	+11	23	06.1		uEB046I15
K11A37F	KC2011	01	28.14730	08	56	27.29	+11	23	41.0		uEB046I15
K11A37F	KC2011	01	28.15760	08	56	28.00	+11	24	16.1		uEB046I15
K11A37K	C2011	01	27.39730	09	46	30.93	+18	31	44.5	22.0	VoEB046291
K11A37K	C2011	01	27.40125	09	46	31.11	+18	31	47.4	22.3	VoEB046291
K11A37K	C2011	01	27.40541	09	46	31.30	+18	31	50.4	21.6	VoEB046291
K11A52O	C2011	01	27.57419	11	50	04.48	-23	10	32.2	17.6	RoEB046474
K11A52O	C2011	01	27.57546	11	50	04.85	-23	10	31.8	18.0	RoEB046474
K11A52O	C2011	01	27.57662	11	50	05.23	-23	10	31.5	17.6	RoEB046474
K11A52O	KC2011	01	27.62866	11	50	22.02	-23	10	20.3	17.6	RrEB046D96
K11A52O	KC2011	01	27.64294	11	50	26.48	-23	10	16.6	17.9	RrEB046D96
K11A52O	KC2011	01	27.66079	11	50	32.04	-23	10	12.5	18.0	RrEB046D96
K11A52O	C2011	01	27.67062	11	50	35.10	-23	10	09.9	19.2	RuEB046D90
K11A52O	C2011	01	27.67410	11	50	36.18	-23	10	08.8	18.1	RuEB046D90
K11A52O	C2011	01	27.67699	11	50	37.05	-23	10	08.1	18.1	RuEB046D90
K11A52O	C2011	01	27.67990	11	50	37.96	-23	10	07.7	18.0	RuEB046D90
K11A52O	C2011	01	27.68336	11	50	39.05	-23	10	06.5	18.7	RuEB046D90
K11B10G	tC2011	01	27.38167	09	13	30.87	+18	49	13.8	19.9	VoEB046291
K11B10G	tC2011	01	27.38584	09	13	36.93	+18	49	17.3	20.1	VoEB046291
K11B10G	tC2011	01	27.39237	09	13	46.46	+18	49	22.3	19.8	VoEB046291
K11B10X	JC2011	01	28.10081	02	00	44.74	+20	06	27.8	19.8	VoEB046695

K11B10X	JC2011	01	28.10157	02	00	44.97	+20	06	30.2	20.0	VoEB046695
K11B10X	JC2011	01	28.10219	02	00	45.18	+20	06	32.1	20.1	VoEB046695
K11B10X	tC2011	01	28.10701	02	00	46.72	+20	06	46.8	19.8	VoEB046291
K11B10X	tC2011	01	28.11202	02	00	48.32	+20	07	03.2	19.6	VoEB046291
K11B10Y	HC2011	01	27.25149	10	09	07.97	+05	48	27.2	21.2	VoEB046691
K11B10Y	HC2011	01	27.27913	10	09	06.99	+05	47	33.1	21.0	VoEB046691
K11B11V	JC2011	01	28.19115	06	49	17.87	+28	33	50.8	20.4	VoEB046695
K11B11V	JC2011	01	28.19221	06	49	17.25	+28	33	49.9	19.9	VoEB046695
K11B11V	JC2011	01	28.19295	06	49	16.80	+28	33	49.5	20.8	VoEB046695
K11B11W	KC2011	01	27.23010	08	03	32.01	+16	34	37.5	20.4	RtEB046G58
K11B11W	KC2011	01	27.23471	08	03	31.68	+16	34	54.5	20.9	RtEB046G58
K11B11W	KC2011	01	27.23932	08	03	31.33	+16	35	11.1	20.7	RtEB046G58
K11B11W	JC2011	01	28.20383	08	03	48.32	+17	12	14.1	22.1	VoEB046695
K11B11W	JC2011	01	28.20571	08	03	48.21	+17	12	17.4	22.2	VoEB046695
K11B11W	JC2011	01	28.20736	08	03	48.11	+17	12	20.2	21.8	VoEB046695
K11B11W	JC2011	01	28.20902	08	03	48.03	+17	12	23.3	22.2	VoEB046695
K11B11Y	tC2011	01	27.46985	08	58	44.24	+22	35	42.4	19.4	VoEB046291
K11B11Y	tC2011	01	27.47762	08	58	49.55	+22	39	09.4	19.3	VoEB046291
K11B11Y	tC2011	01	27.48160	08	58	52.33	+22	40	56.9	19.4	VoEB046291
K11B12A	tC2011	01	27.29747	08	51	48.22	+16	52	54.0	20.2	VoEB046291
K11B12A	tC2011	01	27.30527	08	51	48.93	+16	52	49.5	20.4	VoEB046291
K11B12A	JC2011	01	28.22814	08	53	34.45	+16	44	27.7	19.9	VoEB046695
K11B12A	JC2011	01	28.22913	08	53	34.54	+16	44	27.1	19.9	VoEB046695
K11B12A	JC2011	01	28.22980	08	53	34.60	+16	44	26.7	20.1	VoEB046695
K11B15R	C2011	01	27.40417	05	29	44.54	-29	51	56.7	18.8	RoEB046474
K11B15R	C2011	01	27.40554	05	29	44.32	-29	51	54.4	18.9	RoEB046474
K11B15R	C2011	01	27.40718	05	29	44.05	-29	51	51.7	18.9	RoEB046474
K11B15T	%C2011	01	26.32070	02	03	41.821+13	08	41.87			oEB046F65
K11B15T	%C2011	01	26.32325	02	03	42.891+13	08	48.41			oEB046F65
K11B15T	%C2011	01	26.32584	02	03	43.862+13	08	53.90			oEB046F65
K11B15T	JC2011	01	28.11199	02	16	27.08	+14	28	03.7	21.1	VoEB046695
K11B15T	JC2011	01	28.11313	02	16	27.55	+14	28	06.8	22.0	VoEB046695
K11B15T	JC2011	01	28.11406	02	16	27.95	+14	28	09.3	21.1	VoEB046695
K11B15T	JC2011	01	28.11502	02	16	28.34	+14	28	11.6	21.8	VoEB046695
K11B15T	HC2011	01	28.12832	02	16	33.73	+14	28	45.3		oEB046291
K11B15T	HC2011	01	28.13213	02	16	35.48	+14	28	55.9		oEB046291
02202	C2011	01	27.11265	01	09	58.50	-02	18	50.1	19.8	VrEB046703
02202	C2011	01	27.11833	01	09	59.72	-02	18	40.5	19.4	VrEB046703
02202	C2011	01	27.12411	01	10	01.20	-02	18	34.7	18.8	VrEB046703
02202	C2011	01	27.12988	01	10	02.53	-02	18	24.1	19.5	VrEB046703
02212	C2011	01	27.07931	00	57	43.47	+07	31	06.3	19.5	cEB046704
02212	C2011	01	27.09238	00	57	44.07	+07	31	09.4	19.9	cEB046704
02212	C2011	01	27.10587	00	57	44.81	+07	31	14.2	19.9	cEB046704
02212	C2011	01	27.11902	00	57	45.42	+07	31	20.4	20.1	cEB046704
03288	KC2011	01	27.63874	12	08	12.24	-16	23	41.2	15.4	RrEB046D96
03288	KC2011	01	27.67010	12	08	17.74	-16	24	33.0	15.3	RrEB046D96
04954	C2011	01	26.38612	12	02	45.30	+20	50	12.7	14.6	V EB046H10
04954	C2011	01	26.39278	12	02	44.82	+20	50	12.6	14.5	V EB046H10
04954	C2011	01	26.39885	12	02	44.39	+20	50	12.4	14.4	V EB046H10
04954	C2011	01	26.40451	12	02	43.98	+20	50	12.3	14.4	V EB046H10
09856	HC2011	01	27.25149	10	05	09.35	+04	42	43.6	21.2	VoEB046691
09856	HC2011	01	27.26534	10	05	08.60	+04	42	48.1	21.4	VoEB046691
09856	HC2011	01	27.27913	10	05	07.81	+04	42	52.2	21.1	VoEB046691
12923	C2011	01	27.13905	02	19	42.96	+07	31	24.3	19.1	VrEB046703
12923	C2011	01	27.14421	02	19	43.50	+07	31	27.5	19.0	VrEB046703
12923	C2011	01	27.14940	02	19	44.07	+07	31	33.3	19.3	VrEB046703
12923	C2011	01	27.15460	02	19	44.50	+07	31	36.0	19.5	VrEB046703
19764	C2011	01	27.08333	01	26	33.86	+10	13	15.8	20.2	VrEB046G96
19764	C2011	01	27.08852	01	26	34.29	+10	13	18.6	20.4	VrEB046G96
19764	C2011	01	27.09379	01	26	34.76	+10	13	20.8	20.2	VrEB046G96
19764	C2011	01	27.09897	01	26	35.19	+10	13	23.1	20.6	VrEB046G96
34613	KC2011	01	24.02211	07	44	27.86	+24	38	04.5	19.6	RuEB046160
34613	KC2011	01	24.02485	07	44	27.56	+24	38	04.3	19.4	RuEB046160
34613	KC2011	01	24.02760	07	44	27.30	+24	38	03.9	19.1	RuEB046160
68548	KC2011	01	24.03783	08	24	11.94	+18	02	40.3	19.5	RuEB046160
68548	KC2011	01	24.03919	08	24	11.84	+18	02	39.9	19.3	RuEB046160
68548	KC2011	01	24.04062	08	24	11.69	+18	02	39.7	19.6	RuEB046160
85275	KC2011	01	24.06849	08	59	13.59	+10	42	32.0	19.6	RuEB046160
85275	KC2011	01	24.07121	08	59	13.34	+10	42	34.8	19.6	RuEB046160
85275	KC2011	01	24.07394	08	59	13.16	+10	42	37.8	19.0	RuEB046160
86324	C2011	01	27.16732	08	16	38.37	+03	05	12.4	17.2	RoEB046H15
86324	C2011	01	27.18116	08	16	36.64	+03	05	04.4	17.3	RoEB046H15
86324	C2011	01	27.19703	08	16	34.65	+03	04	55.3	17.4	RoEB046H15
86324	C2011	01	27.21130	08	16	32.86	+03	04	47.0	17.5	RoEB046H15
86324	C2011	01	27.24419	08	16	28.77	+03	04	27.9	18.1	VrEB046703
86324	C2011	01	27.24993	08	16	28.05	+03	04	24.4	18.0	VrEB046703
96315	C2011	01	27.27418	08	39	10.08	+15	17	17.1	19.6	VrEB046G96
96315	C2011	01	27.28118	08	39	09.18	+15	17	19.2	19.4	VrEB046G96
96315	C2011	01	27.28817	08	39	08.35	+15	17	21.3	19.3	VrEB046G96
96315	C2011	01	27.29514	08	39	07.48	+15	17	23.2	19.2	VrEB046G96
96590	C2011	01	27.44537	03	49	23.16	+46	35	10.9	16.2	VuEB046379
96590	C2011	01	27.44723	03	49	23.03	+46	35	10.6	16.7	VuEB046379

96590	C2011	01	27.45628	03	49	22.34	+46	35	08.1	16.2	VuEB046379
96590	C2011	01	27.47019	03	49	21.31	+46	35	04.4	16.2	VuEB046379
96590	C2011	01	27.47205	03	49	21.23	+46	35	03.8	16.4	VuEB046379
96590	C2011	01	27.52420	03	49	17.44	+46	34	48.9	16.4	VuEB046379
96590	C2011	01	27.52794	03	49	17.14	+46	34	47.3	16.4	VuEB046379
B1253	KC2011	01	28.06868	05	11	43.42	+58	16	19.7		uEB046I15
B1253	KC2011	01	28.07520	05	11	43.20	+58	16	07.8		uEB046I15
B1253	KC2011	01	28.09257	05	11	42.56	+58	15	37.1		uEB046I15
D7052	C2011	01	28.10737	09	32	18.62	+61	11	06.7		uEB046I15
D7052	C2011	01	28.11356	09	32	16.09	+61	11	35.0		uEB046I15
D7052	C2011	01	28.11974	09	32	13.57	+61	12	03.1		uEB046I15
D7084	C2011	01	27.21186	05	24	20.66	+12	00	57.1	18.1	VrEB046703
D7084	C2011	01	27.21706	05	24	20.19	+12	00	53.5	18.2	VrEB046703
D7084	C2011	01	27.22227	05	24	19.72	+12	00	49.7	18.1	VrEB046703
D7084	C2011	01	27.22733	05	24	19.33	+12	00	46.9	17.8	VrEB046703
E5656	C2011	01	27.36397	10	41	09.67	+00	11	43.1	20.5	VoEB046691
E5656	C2011	01	27.38168	10	41	09.07	+00	11	46.9	20.8	VoEB046691
E5656	C2011	01	27.39941	10	41	08.44	+00	11	51.3	21.2	VoEB046691
F2889	C2011	01	27.42117	10	30	19.49	+08	09	38.6	18.6	cEB046704
F2889	C2011	01	27.43411	10	30	18.00	+08	10	05.7	18.6	cEB046704
F2889	C2011	01	27.44705	10	30	16.47	+08	10	33.0	18.8	cEB046704
F2889	C2011	01	27.46007	10	30	15.02	+08	11	00.4	18.9	cEB046704
F2889	C2011	01	27.47302	10	30	13.54	+08	11	27.6	18.7	cEB046704
F3958	C2011	01	27.27418	08	39	48.60	+15	48	31.5	20.7	VrEB046G96
F3958	C2011	01	27.28118	08	39	47.91	+15	48	35.0	20.6	VrEB046G96
F3958	C2011	01	27.28817	08	39	47.19	+15	48	38.9	20.5	VrEB046G96
F3958	C2011	01	27.29514	08	39	46.58	+15	48	41.8	20.4	VrEB046G96
F4589	C2011	01	27.08274	01	31	03.36	+10	18	08.3	18.3	VrEB046G96
F4589	C2011	01	27.08794	01	31	04.29	+10	18	13.7	19.5	VrEB046G96
F4589	C2011	01	27.09321	01	31	05.16	+10	18	20.1	19.2	VrEB046G96
F4589	C2011	01	27.09839	01	31	06.02	+10	18	26.7	19.4	VrEB046G96
F4589	C2011	01	27.11170	01	31	08.19	+10	18	45.1	19.7	cEB046704
F4589	C2011	01	27.12518	01	31	10.46	+10	19	01.6	19.7	cEB046704
F4589	C2011	01	27.13880	01	31	12.70	+10	19	19.3	19.7	cEB046704
F9467	C2011	01	27.27534	08	29	55.06	+15	59	07.9	19.5	VrEB046G96
F9467	C2011	01	27.28237	08	29	54.49	+15	59	12.5	19.1	VrEB046G96
F9467	C2011	01	27.28935	08	29	53.88	+15	59	17.1	19.2	VrEB046G96
F9467	C2011	01	27.29631	08	29	53.26	+15	59	21.7	19.6	VrEB046G96
G2781	C2011	01	27.49409	12	11	35.41	+04	23	56.6	18.1	VrEB046703
G2781	C2011	01	27.49927	12	11	35.70	+04	23	45.8	17.9	VrEB046703
G2781	C2011	01	27.50451	12	11	35.95	+04	23	36.7	18.1	VrEB046703
G2781	C2011	01	27.50976	12	11	36.31	+04	23	25.7	18.0	VrEB046703
H5706	KC2011	01	24.05454	08	53	54.03	+16	43	45.0	17.3	RuEB046160
H5706	KC2011	01	24.05661	08	53	53.61	+16	43	46.2	17.4	RuEB046160
H5706	KC2011	01	24.05878	08	53	53.18	+16	43	47.4	17.4	RuEB046160
H5706	C2011	01	27.35407	08	43	08.81	+17	14	50.4	17.0	cEB046704
H5706	C2011	01	27.36722	08	43	06.19	+17	14	57.2	17.0	cEB046704
H5706	C2011	01	27.38030	08	43	03.48	+17	15	04.3	17.1	cEB046704
H5706	C2011	01	27.39373	08	43	00.82	+17	15	11.7	17.1	cEB046704
H5706	C2011	01	27.40732	08	42	58.08	+17	15	18.6	17.3	cEB046704
O3025	C2011	01	27.08349	01	23	12.40	+10	02	19.0	18.8	cEB046704
O3025	C2011	01	27.09674	01	23	15.31	+10	02	25.0	19.6	cEB046704
O3025	C2011	01	27.11014	01	23	18.33	+10	02	30.5	19.5	cEB046704
O3025	C2011	01	27.12358	01	23	21.28	+10	02	35.7	19.3	cEB046704
O3025	C2011	01	27.13721	01	23	24.28	+10	02	41.3	19.1	cEB046704
P0614	C2011	01	27.51547	17	10	11.60	+27	40	11.9	17.7	VrEB046703
P0614	C2011	01	27.52012	17	10	11.60	+27	40	26.2	17.3	VrEB046703
P0614	C2011	01	27.52484	17	10	11.53	+27	40	43.5	17.1	VrEB046703
P0614	C2011	01	27.52959	17	10	11.60	+27	40	58.1	17.2	VrEB046703
P6670	C2011	01	27.44743	11	48	19.94	-04	39	35.8	18.4	VrEB046703
P6670	C2011	01	27.45268	11	48	20.52	-04	39	41.5	18.6	VrEB046703
P6670	C2011	01	27.45793	11	48	21.02	-04	39	47.9	18.3	VrEB046703
P6670	C2011	01	27.46316	11	48	21.60	-04	39	53.6	18.6	VrEB046703
P9221	KC2011	01	28.01860	07	16	10.10	+33	34	58.4		uEB046I15
P9221	KC2011	01	28.03321	07	16	05.37	+33	34	24.9		uEB046I15
P9221	KC2011	01	28.04054	07	16	02.95	+33	34	08.2		uEB046I15
Q2623	C2011	01	27.15304	03	17	04.90	+18	34	08.6	20.0	cEB046704
Q2623	C2011	01	27.16599	03	17	04.79	+18	34	34.5	20.4	cEB046704
Q2623	C2011	01	27.17896	03	17	04.58	+18	35	01.7	20.2	cEB046704
Q2623	C2011	01	27.19202	03	17	04.30	+18	35	28.3	20.6	cEB046704
Q2623	C2011	01	27.20509	03	17	04.18	+18	35	55.6	20.6	cEB046704

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