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# IAU Minor Planet Center

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## General



## MPEC 2011-E34 : DAILY ORBIT UPDATE (2011 MAR. 6 UT)

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

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M.P.E.C. 2011-E34

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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.

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MPC@CFA.HARVARD.EDU

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DAILY ORBIT UPDATE (2011 MAR. 6 UT)

Update to [MPEC 2011-E28](#)

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

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J90U00A	19.6	0.15	K1128	265.288	202.525	104.244	0.926	0.52566	1.64056	5	X
J93F62S	17.3	0.15	K1128	320.762	104.122	104.899	3.266	0.16361	2.35976	7	X
J93P00H	15.3	0.15	K1128	356.767	163.735	303.970	17.158	0.14156	2.51665	7	X
J94R26M	17.3	0.15	K1128	217.366	141.006	176.066	1.824	0.18173	2.34853	6	X
J95S40Y	17.5	0.15	K1128	92.237	232.232	160.344	3.747	0.23826	2.33761	6	X
J95U02L	17.0	0.15	K1128	226.052	292.147	26.557	7.002	0.14135	2.27535	5	X
J95V04B	17.2	0.15	K1128	176.097	254.372	107.031	4.354	0.07704	2.29131	9	X
J95W26X	15.8	0.15	K1128	323.677	171.686	27.724	9.273	0.21318	2.76767	4	X
J96R07R	16.5	0.15	K1128	123.534	25.577	359.433	3.291	0.17491	2.61864	6	X
J96R19F	15.8	0.15	K1128	242.086	109.105	172.363	5.589	0.12541	3.21602	6	X
J97G03Y	17.5	0.15	K1128	342.813	178.104	357.372	5.262	0.16397	2.32417	4	X
J97W03L	15.4	0.15	K1128	131.283	331.774	44.548	18.320	0.10591	3.20810	5	X
J97Y02M	16.7	0.15	K1128	40.726	341.094	92.609	7.620	0.33688	2.63386	4	X
J98D12O	16.5	0.15	K1128	26.902	354.209	145.689	6.487	0.16309	2.61052	5	X
J98D18F	17.4	0.15	K1128	324.823	64.499	134.202	4.786	0.09780	2.20152	6	X
J98F00W	16.7	0.15	K1128	294.676	181.558	63.097	3.442	0.05008	2.66124	5	X
J98R49E	15.8	0.15	K1128	106.784	49.374	350.624	9.486	0.16920	3.00198	6	X
J98S95D	17.3	0.15	K1128	147.941	285.938	74.761	3.618	0.23943	2.36084	7	X
J98S98D	15.1	0.15	K1128	53.463	65.064	8.499	13.108	0.14656	3.07474	4	X
J98V41L	17.2	0.15	K1128	6.547	63.057	68.661	3.268	0.14352	2.44980	6	X
J98W25X	16.1	0.15	K1128	87.594	22.040	46.472	10.898	0.02022	3.03894	4	X
J98W44D	17.4	0.15	K1128	22.617	330.044	81.387	2.408	0.22214	2.52326	4	X
J99G59D	16.3	0.15	K1128	304.832	197.452	27.553	13.465	0.21736	2.54880	5	X
J99R07S	16.1	0.15	K1128	309.018	238.638	8.365	12.898	0.22465	2.67883	5	X
J99RI0C	15.6	0.15	K1128	222.183	292.231	20.046	12.275	0.24524	2.71177	4	X
J99RO9A	17.0	0.15	K1128	192.099	188.676	149.221	7.224	0.16886	2.19688	6	X
J99T12K	18.4	0.15	K1128	14.757	112.108	359.156	24.487	0.39287	1.68312	3	X
J99T48Y	18.3	0.15	K1128	357.531	93.851	77.053	1.826	0.13791	2.22642	7	X
J99TA3R	17.0	0.15	K1128	126.686	35.061	345.413	5.701	0.18298	2.25099	7	X
J99TL0Z	15.8	0.15	K1128	149.568	13.329	349.877	13.540	0.29374	2.78790	4	X
J99TQ1Z	17.9	0.15	K1128	55.347	72.448	8.620	5.202	0.17798	2.29191	3	X
J99V41V	17.1	0.15	K1128	231.706	310.351	348.284	4.293	0.15735	2.77958	5	X
J99VC6S	15.9	0.15	K1128	129.342	3.858	34.437	7.135	0.11137	2.81034	8	X
J99VL4W	17.7	0.15	K1128	70.200	63.682	6.620	3.866	0.07340	2.25062	5	X
J99XD8B	17.9	0.15	K1128	32.488	46.905	60.394	2.547	0.18830	2.31427	5	X

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J99XL7C	15.7	0.15	K1128	216.164	204.306	104.111	3.564	0.09623	2.97940	7	X
K00174	15.8	0.15	K1128	57.695	2.213	103.834	6.882	0.11448	2.29314	7	X
K00175	15.8	0.15	K1128	247.979	129.014	134.327	15.711	0.12971	3.10252	3	X
K00176	15.8	0.15	K1128		75	90.075	18.723	0.13027	3.04937	5	X
K00177	15.8	0.15	K1128		18	133.864	4.809	0.16080	3.11133	5	X
K00178	15.8	0.15	K1128		32	330.277	26.081	0.37138	3.13933	3	X
K00179	15.8	0.15	K1128		71	144.593	21.467	0.25888	3.07033	2	X
K00C3A	16.4	0.15	K1128	12.215	121.430	289.474	9.381	0.33844	2.43301	2	X
K00C3B	16.4	0.15	K1128	5.637	153.039	333.750	0.598	0.24570	1.69496	2	X
K00C3C	16.4	0.15	K1128	54.169	121.665	135.514	2.688	0.15443	2.34988	7	X
K00CD0W	16.2	0.15	K1128	271.411	136.114	123.549	23.413	0.15713	2.33140	6	X
K00D10E	16.8	0.15	K1128	274.810	107.104	148.714	7.877	0.09887	2.35802	6	X
K00D17S	17.0	0.15	K1128	39.636	289.262	163.353	10.557	0.20594	2.38734	4	X
K00D67B	17.1	0.15	K1128	41.651	261.726	178.122	4.688	0.26519	2.38630	4	X
K00D72C	15.1	0.15	K1128	314.431	215.745	353.278	15.467	0.05534	3.12963	4	X
K00D77L	15.7	0.15	K1128	46.843	113.944	348.762	26.777	0.13325	3.11186	4	X
K00D90Y	16.2	0.15	K1128	41.288	301.858	139.785	0.339	0.14840	3.12280	5	X
K00D95S	15.2	0.15	K1128	28.224	342.047	144.077	19.442	0.12906	3.08387	3	X
K00DA0Z	15.5	0.15	K1128	31.312	1.842	133.827	10.584	0.18018	3.06263	4	X
K00DA1F	17.1	0.15	K1128	344.965	127.293	57.946	3.327	0.27549	2.37046	4	X
K00E05A	15.4	0.15	K1128	129.765	54.494	332.625	8.525	0.07864	3.08945	4	X
K00E05M	15.6	0.15	K1128	259.447	110.253	160.624	8.927	0.12676	3.12125	8	X
K00E13U	16.8	0.15	K1128	356.018	71.281	106.406	3.067	0.14640	2.35454	6	X
K00E27T	14.9	0.15	K1128	307.276	164.198	51.196	11.322	0.04618	3.10032	7	X
K00E52R	17.9	0.15	K1128	344.486	7.158	170.648	1.333	0.12555	2.37852	4	X
K00EF9R	15.6	0.15	K1128	286.655	89.833	158.150	16.375	0.16065	3.12042	5	X
K00EI9C	15.8	0.15	K1128	65.246	294.661	158.034	17.158	0.06626	3.10197	6	X
K00EJ3V	17.4	0.15	K1128	298.655	306.874	285.082	1.302	0.17910	2.39279	7	X
K00F02J	17.1	0.15	K1128	357.715	125.494	20.029	6.801	0.09366	2.42401	4	X
K00F48O	16.8	0.15	K1128	316.021	115.843	105.462	6.604	0.20337	2.39659	3	X
K00F73V	14.7	0.15	K1128	348.773	17.066	146.850	23.886	0.14388	3.15182	5	X
K00G15F	16.8	0.15	K1128	277.002	247.910	36.944	5.366	0.31136	2.39607	4	X
K00G34G	17.7	0.15	K1128	294.181	217.457	24.542	1.663	0.13672	2.40321	6	X
K00G56Q	17.0	0.15	K1128	312.468	184.435	35.730	2.538	0.15787	2.40882	6	X
K00G86V	16.4	0.15	K1128	304.385	194.816	50.655	3.337	0.19210	2.38635	5	X
K00GA4B	16.4	0.15	K1128	314.885	162.229	69.594	3.317	0.16013	2.38954	5	X
K00H16O	16.1	0.15	K1128	335.922	180.442	12.271	9.469	0.10746	3.13880	3	X
K00H34A	15.1	0.15	K1128	355.402	345.170	192.289	15.575	0.12401	3.09586	6	X
K00H82Q	17.0	0.15	K1128	294.525	184.204	69.891	2.035	0.15348	2.40687	5	X
K00J08V	17.0	0.15	K1128	317.664	149.758	67.159	3.047	0.16194	2.42560	5	X
K00K70W	16.4	0.15	K1128	267.550	218.569	65.783	7.523	0.09901	2.41623	5	X
K00L36U	14.3	0.15	K1128	130.475	218.646	140.852	9.628	0.40237	2.67538	10	X
K00O34F	16.4	0.15	K1128	164.466	181.059	160.404	11.490	0.28240	2.60690	4	X
K00O56K	16.3	0.15	K1128	132.114	38.488	337.121	11.828	0.22847	2.62792	3	X
K00Q09F	17.0	0.15	K1128	260.769	331.402	308.364	1.783	0.17280	2.51807	6	X
K00Q32K	15.7	0.15	K1128	180.378	272.316	72.575	10.249	0.22544	2.58197	8	X
K00QD8K	16.5	0.15	K1128	181.818	331.927	5.612	7.829	0.22901	2.60958	6	X
K00QE5X	15.9	0.15	K1128	246.385	148.454	155.152	8.991	0.25181	2.52746	5	X
K00R80U	15.6	0.15	K1128	175.465	21.368	334.763	11.099	0.08802	2.60180	6	X
K00SH3Z	15.7	0.15	K1128	193.229	346.502	319.893	14.457	0.12847	2.66337	6	X
K00SP9E	15.9	0.15	K1128	235.174	267.407	41.417	12.249	0.27777	2.56043	5	X
K00SQ2W	16.4	0.15	K1128	73.323	7.361	37.528	11.533	0.29092	2.76969	4	X
K00ST2M	16.2	0.15	K1128	164.951	4.308	348.435	12.543	0.30406	2.64199	5	X
K00SX8V	16.0	0.15	K1128	105.083	18.612	17.070	14.776	0.04229	2.67140	5	X
K00SZ5J	15.9	0.15	K1128	102.038	342.729	49.830	14.672	0.20039	2.71165	6	X
K00T05X	16.5	0.15	K1128	35.523	86.560	0.557	7.922	0.28625	2.78208	3	X
K00T20P	16.0	0.15	K1128	151.465	196.176	160.081	14.803	0.26066	2.65674	2	X
K00V51Y	16.0	0.15	K1128	112.378	34.133	13.113	8.868	0.16920	2.70139	6	X
K00W30H	15.9	0.15	K1128	101.552	315.638	74.768	15.349	0.15792	2.75975	4	X
K00WF4A	15.6	0.15	K1128	9.351	156.259	272.065	13.672	0.29893	2.92070	3	X
K00WF5K	16.5	0.15	K1128	158.779	25.777	318.625	5.846	0.30438	2.68403	7	X
K00YC8Z	16.0	0.15	K1128	43.420	352.213	96.738	9.658	0.17981	2.88489	5	X
K01C19W	18.1	0.15	K1128	52.139	310.013	137.489	23.098	0.05412	1.83774	3	X
K01D06Q	16.8	0.15	K1128	344.410	185.239	335.973	22.967	0.24774	2.24488	3	X
K01D08Q	18.0	0.15	K1128	24.332	14.615	342.855	12.893	0.90159	1.84140	4	X
K01E03R	17.2	0.15	K1128	334.394	178.207	354.438	6.106	0.08928	2.24568	3	X
K01E08J	17.7	0.15	K1128	330.264	177.047	4.639	5.328	0.15039	2.24873	5	X
K01G08U	16.7	0.15	K1128	337.494	84.313	105.004	6.208	0.21546	2.23915	2	X
K01H06P	17.9	0.15	K1128	347.929	44.882	131.302	2.726	0.22349	2.25681	5	X
K01H20C	15.4	0.15	K1128	259.952	129.193	154.550	19.200	0.32239	3.08567	6	X
K01H21E	14.8	0.15	K1128	229.834	244.625	33.880	11.654	0.06808	3.09672	6	X
K01H63Y	15.5	0.15	K1128	246.409	236.378	40.206	11.863	0.13492	3.08377	7	X
K01K21L	15.7	0.15	K1128	274.770	121.482	157.457	19.085	0.31265	3.08111	4	X
K01N17A	17.3	0.15	K1128	224.073	274.838	30.015	4.729	0.15790	2.36488	5	X
K01O38Z	16.4	0.15	K1128	161.575	4.528	355.911	9.937	0.12174	2.40759	5	X
K01O44U	17.1	0.15	K1128	192.543	327.688	353.874	7.643	0.19512	2.40930	4	X
K01O54G	16.9	0.15	K1128	181.518	329.742	10.618	19.287	0.09923	1.93972	6	X
K01OA1G	16.7	0.15	K1128	256.958	130.971	203.567	6.614	0.24108	2.29195	7	X
K01P25C	16.3	0.15	K1128	242.595	121.976	174.808	6.602	0.19869	2.36842	5	X
K01P44M	17.7	0.15	K1128	241.009	80.905	206.976	2.238	0.22563	2.36755	5	X
K01P58S	16.8	0.15	K1128	217.507	313.788	353.225	4.285	0.25546	2.39425	5	X
K01Q59J	16.1	0.15	K1128	215.598	318.050	347.809	13.302	0.21970	2.42745	4	X
K01QG4E	15.9	0.15	K1128	70.668	7.088	35.731	9.391	0.29069	2.53996	5	X
K01QG8X	16.9	0.15	K1128	201.618	242.278	108.210	7.303	0.13536	2.35540	7	X
K01QJ5G	17.3	0.15	K1128	233.604	271.488	32.973	1.657	0.18770	2.35987	5	X
K01QN0W	16.6	0.15	K1128	40.264	307.500	169.340	26.752	0.10905	1.94811	6	X

K01QP5N	16.3	0.15	K1128	136.336	23.309	356.939	6.911	0.12751	2.43728	5	X
K01QQ2A	17.4	0.15	K1128	168.902	2.667	337.056	19.982	0.09484	1.95963	5	X
K01QT4J	17.1	0.15	K1128	237.602	153.192	156.210	6.364	0.12500	2.35197	6	X
K01R29G	17.0	0.15	K1128	158.763	358.961	2.487	2.542	0.18049	2.44042	5	X
K01R58E	17.3	0.15	K1128	86.426	26.819	18.154	8.021	0.24002	2.53738	5	X
K01RB4T	16.9	0.15	K1128	162.985	336.086	16.503	5.973	0.10848	2.44656	5	X
K01RB5R	16.9	0.15	K1128	245.182	161.126	146.492	3.813	0.18118	2.35834	9	X
K01RB8O	16.9	0.15	K1128	248.681	146.047	146.844	2.226	0.20237	2.37050	7	X
K01S77T	17.1	0.15	K1128	282.355	86.170	168.121	1.485	0.14785	2.38547	8	X
K01S89Z	17.3	0.15	K1128	112.963	76.903	317.771	2.306	0.15006	2.48296	7	X
K01SG2W	16.7	0.15	K1128	194.541	163.592	197.448	1.861	0.18635	2.40370	4	X
K01SM1Z	16.9	0.15	K1128	35.071	281.040	142.968	3.976	0.25429	2.63318	3	X
K01SO8V	16.2	0.15	K1128	147.550	343.512	30.555	6.189	0.11816	2.48286	6	X
K01SQ4G	16.0	0.15	K1128	44.974	80.781	3.773	27.460	0.33883	2.57238	3	X
K01SW0M	17.0	0.15	K1128	272.096	251.893	37.029	4.119	0.23186	2.35265	4	X
K01T92S	17.1	0.15	K1128	90.289	14.092	3.006	9.922	0.21064	2.58673	4	X
K01TE2Y	14.9	0.15	K1128	308.023	221.200	55.446	10.297	0.12930	3.20816	7	X
K01TN1M	16.1	0.15	K1128	91.234	4.750	42.977	15.998	0.12954	2.52895	4	X
K01U21M	15.8	0.15	K1128	113.971	31.416	341.486	14.218	0.12127	2.52931	6	X
K01U31C	16.8	0.15	K1128	73.322	357.827	71.024	4.064	0.13257	2.53357	6	X
K01U37J	17.7	0.15	K1128	92.276	251.344	132.267	6.516	0.30361	2.57621	3	X
K01U52B	15.9	0.15	K1128	118.921	249.624	145.395	2.750	0.01569	2.51917	6	X
K01U61C	17.1	0.15	K1128	61.325	59.634	4.623	2.765	0.19990	2.58116	4	X
K01U99K	16.0	0.15	K1128	316.850	142.933	50.233	7.156	0.05351	2.52648	6	X
K01UD4U	15.1	0.15	K1128	137.369	313.555	78.861	4.283	0.17745	2.53917	6	X
K01UL5S	16.7	0.15	K1128	8.518	92.078	51.120	15.375	0.05135	2.54669	5	X
K01UM9V	17.9	0.15	K1128	272.788	191.325	92.577	3.397	0.19106	2.35930	4	X
K01V47V	15.2	0.15	K1128	165.578	295.570	60.558	2.669	0.17553	2.52851	7	X
K01V55E	16.7	0.15	K1128	45.224	61.140	27.226	12.202	0.16387	2.59487	4	X
K01V57U	16.4	0.15	K1128	66.270	27.895	29.482	10.478	0.17080	2.60090	4	X
K01V82U	16.5	0.15	K1128	26.620	57.956	56.785	14.291	0.22173	2.60094	3	X
K01VB3N	15.9	0.15	K1128	194.966	295.635	22.483	2.834	0.16548	2.52607	6	X
K01W27O	16.5	0.15	K1128	133.098	249.057	131.013	4.446	0.19163	2.52731	6	X
K01W43U	16.7	0.15	K1128	8.668	83.758	59.250	9.111	0.09319	2.56239	6	X
K01X01Q	14.5	0.15	K1128	95.888	34.180	10.284	33.526	0.40313	2.61711	4	X
K01X12C	16.4	0.15	K1128	31.080	51.079	45.252	13.894	0.23863	2.64395	5	X
K01X22V	16.9	0.15	K1128	74.361	17.500	30.645	4.929	0.30116	2.63085	3	X
K01X38Z	16.5	0.15	K1128	41.566	39.804	45.845	14.042	0.23815	2.65208	3	X
K01X50A	16.0	0.15	K1128	203.547	86.491	226.163	0.259	0.13016	2.52311	6	X
K01X70O	16.7	0.15	K1128	56.369	279.000	159.345	4.706	0.24903	2.60542	4	X
K01X70T	16.2	0.15	K1128	146.161	221.538	143.141	5.871	0.12589	2.52907	7	X
K01X92V	16.3	0.15	K1128	43.042	30.874	63.602	6.750	0.20612	2.61655	5	X
K01XA9P	15.4	0.15	K1128	130.461	270.154	119.370	5.963	0.06490	2.52172	7	X
K01XB8J	16.1	0.15	K1128	20.192	32.081	92.268	13.809	0.24171	2.68100	4	X
K01XC6D	16.3	0.15	K1128	172.990	204.602	144.160	0.564	0.04628	2.52996	6	X
K01XF0S	16.3	0.15	K1128	71.480	321.051	87.249	14.671	0.23788	2.63718	4	X
K01XF6P	15.8	0.15	K1128	119.855	296.093	92.424	7.313	0.12210	2.58759	5	X
K01XI5U	16.4	0.15	K1128	99.406	309.965	110.744	5.114	0.18380	2.57665	4	X
K01XN0Y	16.4	0.15	K1128	22.519	163.800	318.300	2.684	0.06752	2.60533	7	X
K01XN6S	16.9	0.15	K1128	190.214	301.751	37.949	1.494	0.28703	2.48274	6	X
K01XP2V	16.1	0.15	K1128	329.895	82.662	104.338	13.305	0.11324	2.64534	5	X
K01XP2X	16.6	0.15	K1128	34.978	359.024	115.630	5.510	0.30199	2.65192	4	X
K01Y59G	15.8	0.15	K1128	177.715	66.547	287.654	3.862	0.15172	2.52095	5	X
K01YA8L	15.9	0.15	K1128	84.773	325.645	114.013	22.841	0.02395	2.62015	5	X
K01YG0D	15.9	0.15	K1128	271.497	213.199	44.799	15.261	0.07910	2.62268	6	X
K02A16T	15.8	0.15	K1128	7.949	31.531	115.477	14.800	0.20029	2.65449	4	X
K02A38Z	15.6	0.15	K1128	331.108	85.585	130.442	12.027	0.11187	2.60602	6	X
K02A98U	15.7	0.15	K1128	30.544	1.063	107.169	13.889	0.22991	2.67604	4	X
K02AH1T	16.4	0.15	K1128	89.171	342.342	94.159	5.673	0.12959	2.60559	5	X
K02AH2M	15.8	0.15	K1128	157.657	248.607	111.442	10.686	0.11268	2.62681	5	X
K02AH6E	16.0	0.15	K1128	320.238	231.994	312.450	13.408	0.23272	2.74275	2	X
K02AI5W	17.4	0.15	K1128	15.351	110.604	22.799	4.086	0.26909	2.68186	3	X
K02AK0O	16.0	0.15	K1128	351.563	18.733	138.078	13.798	0.12107	2.67797	5	X
K02B01V	16.6	0.15	K1128	21.981	331.997	157.724	11.639	0.26745	2.69555	5	X
K02B19A	16.5	0.15	K1128	10.539	53.257	96.540	14.325	0.21505	2.67156	4	X
K02C13O	15.7	0.15	K1128	323.837	56.718	143.830	9.606	0.06314	2.67003	6	X
K02C21S	16.3	0.15	K1128	296.919	68.098	128.739	14.151	0.10762	2.75313	4	X
K02C36N	16.3	0.15	K1128	59.556	318.919	118.114	3.448	0.18693	2.68237	5	X
K02C64S	15.9	0.15	K1128	287.398	265.101	342.835	10.115	0.03555	2.62713	6	X
K02C76T	17.1	0.15	K1128	30.638	1.493	130.718	3.140	0.15320	2.66679	4	X
K02C91E	16.6	0.15	K1128	321.186	217.038	342.702	10.206	0.08771	2.71476	2	X
K02CA9N	16.4	0.15	K1128	352.848	178.327	346.201	8.041	0.15154	2.72396	3	X
K02CB0H	15.9	0.15	K1128	11.015	141.668	355.311	9.001	0.09915	2.73966	4	X
K02CB3Z	16.2	0.15	K1128	79.972	65.863	343.379	11.005	0.17254	2.68452	3	X
K02CD0F	16.2	0.15	K1128	53.396	114.256	324.399	10.859	0.13145	2.72715	4	X
K02CF6D	16.0	0.15	K1128	312.110	214.360	358.490	9.526	0.14292	2.69748	6	X
K02CJ8E	16.6	0.15	K1128	92.254	83.030	328.127	3.925	0.07454	2.70392	5	X
K02CK9S	15.9	0.15	K1128	48.238	306.654	147.446	13.347	0.07645	2.72931	5	X
K02CL6S	16.0	0.15	K1128	55.600	76.385	353.809	5.444	0.21850	2.74261	6	X
K02CM5K	16.7	0.15	K1128	286.625	80.549	165.811	5.457	0.06684	2.73123	7	X
K02CP2C	15.7	0.15	K1128	339.787	31.646	198.134	13.145	0.13236	2.59279	5	X
K02CP5C	16.6	0.15	K1128	352.865	186.266	307.054	14.949	0.17318	2.75046	3	X
K02CR0F	16.6	0.15	K1128	295.902	258.049	331.300	7.688	0.13355	2.71572	3	X
K02CR6H	16.5	0.15	K1128	50.466	130.095	324.909	4.376	0.07625	2.71448	6	X
K02CR9O	15.7	0.15	K1128	252.653	122.293	144.976	14.564	0.20835	2.73309	3	X
K02CS1B	17.0	0.15	K1128	315.837	73.016	142.548	5.112	0.08119	2.66408	3	X

K02CT9H	15.6	0.15	K1128	156.668	279.127	334.944	11.975	0.07267	2.68576	6 X
K02CV4L	16.5	0.15	K1128	76.760	279.773	162.536	13.565	0.17726	2.62566	6 X
K02E23G	16.3	0.15	K1128	358.888	332.376	150.688	4.236	0.04870	2.80233	5 X
K02E38O	16.9	0.15	K1128	332.546	63.413	150.767	5.456	0.16671	2.67101	5 X
K02E52J	16.4	0.15	K1128	36.660	311.286	156.543	16.887	0.24910	2.69792	4 X
K02E56R	16.4	0.15	K1128	14.694	206.163	302.994	4.324	0.14492	2.69176	4 X
K02E64N	16.2	0.15	K1128	47.290	120.075	343.835	11.877	0.05811	2.75070	4 X
K02E98W	15.9	0.15	K1128	286.289	262.180	0.189	13.545	0.26323	2.77326	4 X
K02EA4F	15.3	0.15	K1128	348.369	5.189	154.808	14.556	0.13461	2.77747	5 X
K02EA5P	16.8	0.15	K1128	324.422	161.969	44.130	9.962	0.28611	2.75847	3 X
K02EB5T	16.2	0.15	K1128	330.781	140.947	57.844	7.212	0.18458	2.74982	4 X
K02EE0P	16.5	0.15	K1128	93.752	268.849	150.409	7.187	0.02419	2.72912	5 X
K02EE1R	16.2	0.15	K1128	39.359	92.489	1.225	10.573	0.23506	2.72823	4 X
K02F04U	16.1	0.15	K1128	352.903	16.196	127.498	16.577	0.18907	2.75729	3 X
K02F21L	16.3	0.15	K1128	357.842	156.374	345.186	7.621	0.16045	2.77922	4 X
K02G12G	15.8	0.15	K1128	28.434	126.420	42.428	13.692	0.12688	2.68995	6 X
K02G26Q	15.8	0.15	K1128	313.822	164.421	63.753	15.301	0.27689	2.77076	4 X
K02G72T	15.8	0.15	K1128	290.232	159.792	102.516	4.141	0.14296	2.73880	6 X
K02G77A	16.3	0.15	K1128	317.580	65.510	151.677	8.331	0.16083	2.76927	5 X
K02GC7E	16.5	0.15	K1128	337.401	144.248	43.178	10.210	0.14763	2.79502	3 X
K02GF5E	15.8	0.15	K1128	269.965	197.498	66.396	8.538	0.15217	2.77233	8 X
K02H09U	16.0	0.15	K1128	24.853	88.724	44.108	4.108	0.16372	2.76104	5 X
K02J07D	16.2	0.15	K1128	309.629	123.843	109.853	5.281	0.15081	2.78470	5 X
K02J81Q	16.3	0.15	K1128	305.814	208.898	22.855	10.300	0.17184	2.78612	4 X
K02J88Y	16.2	0.15	K1128	287.719	221.450	41.662	5.582	0.12319	2.77859	7 X
K02JC3H	15.9	0.15	K1128	312.813	92.186	122.967	9.873	0.09882	2.80784	4 X
K02JC4V	16.8	0.15	K1128	342.491	25.225	154.732	8.762	0.38291	2.77888	4 X
K02JE4P	15.3	0.15	K1128	317.001	81.815	151.696	12.462	0.13202	2.77968	6 X
K02JF0G	16.8	0.15	K1128	299.082	168.506	105.103	4.169	0.13295	2.72880	5 X
K02N34X	15.7	0.15	K1128	216.456	151.418	159.378	9.061	0.26228	3.04659	5 X
K02N59H	15.4	0.15	K1128	249.331	171.087	110.076	11.126	0.08072	2.99693	6 X
K02N71K	15.8	0.15	K1128	179.807	193.122	145.344	11.259	0.09845	3.07780	5 X
K02N72V	15.1	0.15	K1128	35.322	332.826	127.478	19.260	0.07569	3.13686	5 X
K02N75E	16.0	0.15	K1128	332.853	39.719	166.932	10.741	0.04740	3.02109	6 X
K02O16A	17.0	0.15	K1128	161.675	179.462	162.048	5.579	0.29795	2.26048	6 X
K02O29Y	16.6	0.15	K1128	232.816	130.535	167.189	2.951	0.22817	3.01633	4 X
K02P28K	17.4	0.15	K1128	262.205	123.988	155.054	7.255	0.04424	2.18824	4 X
K02P39Q	15.2	0.15	K1128	209.830	181.029	139.355	10.230	0.20795	3.05948	6 X
K02P87C	16.6	0.15	K1128	83.141	247.775	172.991	22.203	0.26242	2.32067	6 X
K02P88O	15.9	0.15	K1128	245.005	320.399	340.130	8.295	0.23625	3.02033	5 X
K02P88W	17.6	0.15	K1128	185.570	172.272	126.320	7.648	0.13007	2.29700	5 X
K02PF3U	18.1	0.15	K1128	176.126	198.560	134.650	4.319	0.20038	2.25104	5 X
K02PG1J	17.2	0.15	K1128	140.641	49.385	321.893	6.075	0.13335	2.25922	5 X
K02PG7S	15.2	0.15	K1128	172.835	204.186	142.472	11.131	0.08654	3.14426	4 X
K02PH4O	15.6	0.15	K1128	252.851	156.101	119.429	12.773	0.07514	3.05601	6 X
K02PH4T	15.9	0.15	K1128	359.836	175.412	347.937	12.287	0.01464	3.08784	3 X
K02PI5C	15.9	0.15	K1128	158.238	202.337	162.141	6.924	0.07582	3.10587	8 X
K02Q25V	16.0	0.15	K1128	343.045	195.686	335.847	3.386	0.10356	3.17821	7 X
K02Q30E	16.8	0.15	K1128	276.116	132.282	132.508	6.326	0.14261	2.17976	6 X
K02Q37H	15.9	0.15	K1128	8.669	358.681	156.543	6.551	0.03298	3.19574	7 X
K02Q37X	16.2	0.15	K1128	245.197	274.299	10.191	5.723	0.12031	3.12364	3 X
K02Q52J	15.2	0.15	K1128	240.043	298.482	343.473	10.115	0.05192	3.12205	5 X
K02Q54L	15.9	0.15	K1128	212.802	316.614	344.823	14.916	0.07135	3.15519	3 X
K02Q66V	15.2	0.15	K1128	195.470	342.789	347.854	9.214	0.08163	3.10489	4 X
K02Q76B	16.0	0.15	K1128	130.594	226.072	162.119	7.481	0.07371	3.15809	5 X
K02Q87H	16.1	0.15	K1128	265.914	265.253	359.580	8.206	0.11894	3.09154	5 X
K02Q94D	16.2	0.15	K1128	200.268	251.821	64.966	2.580	0.19520	3.11657	6 X
K02Q96N	17.7	0.15	K1128	103.813	352.961	30.739	3.299	0.22668	2.31843	4 X
K02Q96Q	15.9	0.15	K1128	245.730	291.294	350.250	8.658	0.10805	3.05080	5 X
K02Q99Z	15.3	0.15	K1128	240.111	137.723	133.524	10.212	0.06117	3.16156	5 X
K02QA6G	14.8	0.15	K1128	270.681	251.872	4.409	15.591	0.02815	3.11358	6 X
K02QB8A	16.3	0.15	K1128	253.411	139.495	140.432	2.974	0.14423	3.02151	5 X
K02QC2S	15.6	0.15	K1128	288.339	269.622	323.236	11.230	0.12546	3.11662	5 X
K02QC6E	15.3	0.15	K1128	194.442	255.806	79.457	11.187	0.13221	3.11601	6 X
K02QC8U	17.4	0.15	K1128	102.849	261.664	126.223	3.028	0.18401	2.31797	4 X
K02R27U	15.7	0.15	K1128	242.166	136.402	157.555	12.998	0.18367	3.06261	2 X
K02R45T	17.1	0.15	K1128	124.914	312.795	48.345	1.990	0.29957	2.32941	4 X
K02R47O	17.3	0.15	K1128	122.033	278.200	97.951	3.153	0.24165	2.31839	6 X
K02R53S	14.9	0.15	K1128	230.473	153.816	145.715	9.001	0.14638	3.10994	6 X
K02R69N	17.1	0.15	K1128	71.085	48.458	3.008	5.044	0.22852	2.37177	6 X
K02R71E	15.0	0.15	K1128	106.409	224.635	192.188	15.630	0.09208	3.20591	5 X
K02R72B	15.2	0.15	K1128	198.673	177.085	165.409	10.074	0.04359	3.08695	7 X
K02R84X	17.3	0.15	K1128	111.981	151.908	226.735	1.393	0.21884	2.34167	4 X
K02RF6Y	15.4	0.15	K1128	311.481	31.836	182.111	9.324	0.04302	3.17448	7 X
K02RG4M	15.9	0.15	K1128	273.038	272.946	348.085	16.748	0.15374	3.08305	2 W
K02RG5Z	17.3	0.15	K1128	92.518	231.512	173.185	5.846	0.22172	2.33707	4 X
K02RH5Y	15.1	0.15	K1128	133.333	203.307	191.640	15.772	0.06025	3.18297	3 X
K02RK7G	17.6	0.15	K1128	151.012	8.712	357.061	6.637	0.11517	2.28023	3 X
K02RM7U	15.0	0.15	K1128	314.396	213.051	349.349	21.950	0.05039	3.22786	6 X
K02RN2D	15.3	0.15	K1128	262.298	277.828	340.387	14.924	0.06471	3.12611	5 X
K02RO9D	16.5	0.15	K1128	236.546	127.980	161.992	2.768	0.18442	3.08914	5 X
K02RP7W	18.5	0.15	K1128	292.834	280.909	317.455	1.695	0.10746	2.22991	7 X
K02S00Z	20.4	0.15	K1128	287.940	276.453	346.936	22.896	0.43336	1.29756	4 X
K02S20N	15.6	0.15	K1128	165.267	325.502	27.075	6.158	0.12019	3.24494	4 X
K02S29F	16.6	0.15	K1128	107.791	20.037	14.149	7.878	0.14835	2.33251	6 X
K02S66S	17.1	0.15	K1128	77.466	281.802	139.973	7.836	0.22626	2.32578	6 X

K02S69E	18.2	0.15	K1128	58.278	192.945	242.008	0.510	0.15493	2.35739	5	X
K02S71R	16.9	0.15	K1128	280.721	147.707	99.842	7.335	0.06778	2.24094	7	X
K02S72L	15.4	0.15	K1128	316.685	224.167	343.489	13.436	0.17652	3.11638	5	X
K02T07V	17.0	0.15	K1128	79.065	207.818	194.346	2.789	0.23611	2.38092	3	X
K02T18C	15.0	0.15	K1128	255.555	259.868	32.541	14.344	0.04318	3.14272	4	X
K02T60D	19.3	0.15	K1128	94.862	343.829	62.679	7.411	0.08257	1.20205	3	X
K02T60Y	17.3	0.15	K1128	62.788	62.451	8.160	2.090	0.18629	2.38312	4	X
K02T80P	15.1	0.15	K1128	218.208	153.920	203.963	13.634	0.15949	3.04255	4	X
K02T98H	17.7	0.15	K1128	114.872	206.315	187.537	5.580	0.11531	2.31353	4	X
K02T98U	15.7	0.15	K1128	213.999	173.426	158.804	6.137	0.11111	3.11790	6	X
K02T99E	15.6	0.15	K1128	228.036	330.130	337.262	6.649	0.14481	3.16091	6	X
K02TA6D	16.8	0.15	K1128	8.417	145.275	359.247	4.154	0.08639	2.31097	4	X
K02TG9T	16.6	0.15	K1128	50.390	95.456	310.285	8.347	0.22245	2.43157	5	X
K02TM2Z	17.0	0.15	K1128	105.269	276.485	121.018	7.193	0.13840	2.34861	6	X
K02TP5Y	14.8	0.15	K1128	245.667	280.890	19.801	14.797	0.03846	3.18066	4	X
K02TP7K	16.7	0.15	K1128	78.795	356.173	66.316	3.928	0.21725	2.37403	6	X
K02TY2J	16.1	0.15	K1128	283.029	138.935	112.033	5.579	0.12308	3.19186	6	X
K02Tb8Y	16.0	0.15	K1128	300.655	232.601	10.015	8.864	0.07017	3.16588	4	X
K02U08A	16.6	0.15	K1128	57.412	290.116	162.732	10.217	0.18906	2.37100	6	X
K02U62G	16.0	0.15	K1128	193.305	336.816	353.901	27.735	0.15922	3.16627	3	X
K02U70E	17.6	0.15	K1128	97.326	345.933	79.244	5.034	0.13878	2.32662	5	X
K02U77G	16.7	0.15	K1128	315.270	135.945	57.040	7.186	0.04982	2.35413	5	X
K02V21N	17.0	0.15	K1128	133.426	7.943	352.342	5.901	0.25994	2.34058	4	X
K02V37U	16.6	0.15	K1128	57.274	348.971	92.024	6.632	0.19305	2.39586	4	X
K02V76J	17.0	0.15	K1128	84.553	346.370	88.680	3.547	0.15393	2.35576	4	X
K02V88N	17.2	0.15	K1128	67.803	319.319	122.675	2.948	0.19994	2.37484	5	X
K02VB3H	16.6	0.15	K1128	55.768	7.402	81.787	3.565	0.16675	2.39621	5	X
K02VD5C	17.1	0.15	K1128	38.312	42.430	71.390	3.870	0.14760	2.38517	6	X
K02VE2P	17.2	0.15	K1128	10.963	28.499	104.224	3.624	0.13112	2.39641	5	X
K02W04P	16.8	0.15	K1128	352.340	98.769	67.431	7.422	0.06453	2.38157	4	X
K02W25K	17.8	0.15	K1128	13.732	62.680	65.593	2.264	0.15102	2.41913	4	X
K02X08H	17.5	0.15	K1128	72.052	330.987	93.505	2.619	0.16689	2.40161	3	X
K02X10J	17.0	0.15	K1128	78.648	1.621	46.980	2.369	0.18323	2.40914	3	X
K02X11J	16.7	0.15	K1128	52.323	4.536	73.825	7.763	0.17363	2.41945	3	X
K02X45S	16.1	0.15	K1128	247.940	300.894	44.360	5.634	0.27993	2.19413	6	X
K02X50N	17.6	0.15	K1128	43.828	14.477	82.741	3.697	0.15657	2.42137	4	X
K02Y03Z	17.9	0.15	K1128	14.166	358.721	350.188	19.923	0.79583	1.94364	3	X
K02Y06F	16.4	0.15	K1128	318.707	239.156	264.539	2.922	0.19451	2.54643	4	X
K03A23A	17.0	0.15	K1128	122.363	261.480	128.827	23.842	0.09539	1.88395	5	X
K03B21S	17.2	0.15	K1128	118.805	255.386	129.973	22.727	0.09227	1.89335	3	X
K03B28J	17.3	0.15	K1128	27.599	101.113	80.543	6.379	0.20593	2.40733	5	X
K03B28R	17.0	0.15	K1128	357.000	357.106	143.843	24.089	0.06717	1.93556	3	X
K03B30G	16.6	0.15	K1128	332.531	207.107	308.513	13.093	0.12176	2.53619	4	X
K03B38N	16.8	0.15	K1128	3.112	30.583	115.820	5.200	0.09730	2.47970	3	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	114.124	292.084	3.730	0.24953	2.53193	4	X
K03B66C	17.3	0.15	K1128	37.693	312.535	136.137	7.541	0.20802	2.52038	4	X
K03B79Y	16.3	0.15	K1128	133.217	16.739	338.468	19.057	0.12397	1.92513	3	X
K03B91X	15.3	0.15	K1128	24.354	70.338	34.910	12.367	0.23140	3.95336	5	X
K03C08D	15.8	0.15	K1128	344.159	157.124	15.203	7.215	0.10770	2.52513	9	X
K03C19L	17.8	0.15	K1128	31.226	134.040	317.188	19.544	0.06571	1.94145	2	X
K03D06Z	16.5	0.15	K1128	6.153	346.361	129.683	12.044	0.09798	2.56085	5	X
K03E13L	17.7	0.15	K1128	355.199	172.503	332.000	18.482	0.06438	1.93004	2	X
K03E17V	16.0	0.15	K1128	19.264	59.795	85.797	5.097	0.14493	2.52696	8	X
K03E47V	17.2	0.15	K1128	98.059	245.950	166.478	24.594	0.11929	1.91623	3	X
K03E57G	15.9	0.15	K1128	305.436	106.451	129.212	12.688	0.23507	2.55449	5	X
K03E57L	16.5	0.15	K1128	326.565	85.326	120.120	11.899	0.25540	2.55106	4	X
K03F37N	16.8	0.15	K1128	59.579	90.753	359.634	10.968	0.06131	2.56472	4	X
K03F61F	16.3	0.15	K1128	348.696	68.402	110.856	4.003	0.11434	2.52837	6	X
K03F62O	16.7	0.15	K1128	326.748	136.131	55.969	2.982	0.13810	2.56239	5	X
K03F69P	17.2	0.15	K1128	6.004	25.643	132.231	6.270	0.16148	2.53343	8	X
K03F74Q	16.6	0.15	K1128	293.124	82.089	155.191	9.778	0.16220	2.58704	4	X
K03F91S	16.1	0.15	K1128	10.670	13.326	114.187	6.253	0.20837	2.57143	5	X
K03FA0E	16.4	0.15	K1128	1.302	10.354	111.330	6.255	0.26206	2.59241	3	X
K03FA5W	16.4	0.15	K1128	312.518	94.994	115.133	6.016	0.11184	2.56945	4	X
K03FB5G	16.2	0.15	K1128	279.328	155.677	87.309	8.755	0.15997	2.63496	5	X
K03FB7Q	16.5	0.15	K1128	339.896	39.098	144.390	6.808	0.09220	2.52418	5	X
K03FD2X	18.3	0.15	K1128	323.440	180.962	23.035	5.192	0.12976	2.56432	4	X
K03G05N	15.9	0.15	K1128	273.011	226.326	15.111	14.810	0.04325	2.58958	4	X
K03G35R	16.1	0.15	K1128	287.371	152.455	92.070	12.612	0.22507	2.56580	6	X
K03G36C	15.5	0.15	K1128	347.443	12.643	99.161	13.276	0.23132	2.64720	5	X
K03G36H	15.6	0.15	K1128	302.225	117.209	114.628	13.120	0.23486	2.56556	5	X
K03G53C	18.1	0.15	K1128	232.445	296.000	26.302	21.792	0.06693	1.89711	3	X
K03H43F	16.8	0.15	K1128	307.567	208.391	39.609	7.755	0.16636	2.55002	4	X
K03H58F	17.7	0.15	K1128	306.196	213.588	12.311	4.536	0.15525	2.57631	5	X
K03J17K	15.9	0.15	K1128	213.932	200.768	86.488	13.587	0.17924	2.74004	6	X
K03K02W	17.0	0.15	K1128	336.811	78.444	108.292	5.769	0.16352	2.60461	5	X
K03K03L	16.4	0.15	K1128	345.746	73.683	94.101	15.182	0.04270	2.60958	6	X
K03L02H	16.0	0.15	K1128	245.001	186.489	98.656	15.721	0.24293	2.66974	7	X
K03M03X	15.7	0.15	K1128	303.852	84.529	138.171	25.589	0.18983	2.64661	3	X
K03M04T	16.3	0.15	K1128	317.148	75.446	191.013	4.402	0.25138	2.56943	10	X
K03O07U	15.9	0.15	K1128	327.980	88.596	149.706	13.580	0.23542	2.61994	5	X
K03P05K	16.3	0.15	K1128	244.843	157.251	123.123	5.111	0.17560	2.78179	7	X
K03Q95M	16.2	0.15	K1128	52.761	130.533	305.851	8.177	0.06488	3.10170	4	X
K03Q98W	16.9	0.15	K1128	112.873	45.458	340.133	9.379	0.11589	3.01436	3	X
K03R20X	15.3	0.15	K1128	128.533	339.444	61.811	2.834	0.04226	2.92106	6	X

K03S60M	15.5	0.15	K1128	121.309	44.549	343.434	8.896	0.17917	3.03935	3	X
K03SF10	14.9	0.15	K1128	77.037	295.429	139.304	9.923	0.07063	3.03767	4	X
K03SG1E	15.6	0.15	K1128	104.096	41.846	11.166	16.523	0.21201	3.09886	3	X
K03SJ7V	17.4	0.15	K1128	22.046	303.780	116.662	2.244	0.18535	2.26068	5	X
K03SO4F	16.7	0.15	K1128	143.504	190.843	181.813	2.030	0.15913	3.01072	4	X
K03SP0M	14.6	0.15	K1128	158.212	315.226	29.971	18.371	0.21333	3.09383	6	X
K03SP7M	15.9	0.15	K1128	162.830	276.021	65.773	2.975	0.28410	3.00067	7	X
K03SQ6C	15.4	0.15	K1128	46.570	66.552	27.838	5.037	0.11359	3.14047	5	X
K03SS2M	15.5	0.15	K1128	134.539	13.953	21.010	10.429	0.10525	2.99557	4	X
K03SU4J	15.0	0.15	K1128	66.283	257.783	186.975	15.974	0.20622	3.15633	4	X
K03SU6O	15.5	0.15	K1128	206.282	319.833	349.598	11.490	0.06981	3.02628	4	X
K03SW4M	17.1	0.15	K1128	83.377	61.889	353.243	16.874	0.17070	3.10136	3	X
K03SW5B	16.3	0.15	K1128	311.472	56.155	205.510	10.499	0.07088	2.73604	4	X
K03Sd7R	16.2	0.15	K1128	315.261	50.791	138.532	11.095	0.09181	3.13625	3	X
K03Se0L	16.4	0.15	K1128	137.301	206.141	169.829	17.273	0.18127	3.08636	4	X
K03Se4X	15.6	0.15	K1128	13.339	89.409	49.904	17.041	0.07549	3.10496	5	X
K03Sf3U	16.7	0.15	K1128	42.672	76.012	21.320	4.757	0.11287	3.10877	5	X
K03Sh0Q	16.1	0.15	K1128	224.584	291.747	1.056	9.427	0.00835	3.06735	6	X
K03T01N	19.6	0.15	K1128	66.740	54.512	13.719	19.234	0.13574	1.43284	4	X
K03T15R	15.5	0.15	K1128	149.383	280.636	85.998	9.977	0.14116	3.05162	4	X
K03T17C	15.1	0.15	K1128	158.258	307.283	40.935	10.362	0.09619	3.07912	7	X
K03T46R	15.4	0.15	K1128	108.636	24.468	6.782	15.470	0.06347	3.12407	4	X
K03T55Q	16.0	0.15	K1128	99.710	260.464	167.765	11.842	0.08850	3.03083	4	X
K03U22V	15.3	0.15	K1128	201.616	263.860	45.634	9.239	0.16750	3.07752	4	X
K03U27Q	15.1	0.15	K1128	76.771	15.600	48.745	13.981	0.13951	3.16211	3	X
K03U33B	15.9	0.15	K1128	359.744	122.966	38.245	9.355	0.12526	3.09180	6	X
K03U77Z	15.7	0.15	K1128	161.662	143.929	233.288	8.024	0.10344	2.98067	4	X
K03UC0V	15.7	0.15	K1128	117.558	323.920	65.460	1.897	0.13290	3.10572	7	X
K03UD5C	16.1	0.15	K1128	136.370	10.314	351.986	1.511	0.17818	3.10532	6	X
K03UD8U	15.4	0.15	K1128	146.243	322.529	17.178	9.977	0.07531	3.10048	4	X
K03UI5W	16.3	0.15	K1128	212.292	255.131	26.618	9.212	0.07256	3.13461	4	X
K03UL4R	17.8	0.15	K1128	66.217	65.222	358.978	3.712	0.15949	2.18668	4	X
K03UM4X	15.0	0.15	K1128	335.068	157.227	26.325	22.642	0.11324	3.13382	5	X
K03UM8C	15.4	0.15	K1128	264.660	233.889	24.405	11.956	0.05110	3.07866	6	X
K03UR0G	16.4	0.15	K1128	47.612	93.882	324.175	20.562	0.30734	2.27345	3	X
K03UR2A	14.7	0.15	K1128	177.687	283.330	49.444	16.797	0.13729	3.07451	4	X
K03UR8X	15.1	0.15	K1128	80.864	28.414	41.934	17.303	0.08069	3.19949	6	X
K03UU4C	16.2	0.15	K1128	167.835	48.215	304.796	3.258	0.12106	3.03230	6	X
K03Ua3D	16.3	0.15	K1128	19.170	83.022	56.028	11.771	0.05302	3.06474	5	X
K03V07J	16.5	0.15	K1128	124.621	329.244	39.720	2.047	0.18251	3.20959	5	X
K03W08W	15.3	0.15	K1128	108.506	9.317	27.194	13.857	0.14979	3.19008	5	X
K03W40W	18.1	0.15	K1128	57.260	120.178	319.508	1.931	0.11703	2.21233	5	X
K03W57P	15.9	0.15	K1128	181.854	79.358	264.441	2.321	0.24651	3.03204	5	X
K03W83X	16.3	0.15	K1128	101.396	247.950	161.010	10.674	0.14216	3.10316	3	X
K03W87X	18.3	0.15	K1128	36.101	324.392	98.601	13.012	0.49395	2.30093	2	X
K03WB0J	17.4	0.15	K1128	66.237	97.407	333.141	2.579	0.10842	2.19835	4	X
K03WB5C	14.9	0.15	K1128	114.064	9.851	20.473	6.795	0.17430	3.21641	8	X
K03WE7U	17.0	0.15	K1128	88.093	233.206	143.827	5.394	0.16959	2.24107	4	X
K03X23D	15.8	0.15	K1128	202.501	302.220	20.516	6.880	0.12356	3.07235	6	X
K03Y00C	16.5	0.15	K1128	25.733	300.726	132.772	24.548	0.31717	2.28338	2	X
K03Y00E	17.2	0.15	K1128	62.220	256.903	203.371	23.340	0.32160	2.19281	4	X
K03Y64R	18.0	0.15	K1128	75.222	240.883	178.620	2.671	0.23077	2.23243	4	X
K03Y74R	16.9	0.15	K1128	21.087	125.342	277.817	8.970	0.22649	2.34652	4	X
K03YC6N	17.2	0.15	K1128	22.952	117.590	353.779	5.670	0.21377	2.26019	3	X
K03YD1P	17.2	0.15	K1128	51.090	132.060	324.358	5.423	0.10647	2.22243	3	X
K03YH4P	17.3	0.15	K1128	70.822	308.387	123.736	5.125	0.12222	2.22843	6	X
K03YI0X	17.0	0.15	K1128	81.154	78.236	336.464	5.209	0.11616	2.25378	4	X
K04B03Y	17.8	0.15	K1128	50.842	349.019	95.476	5.272	0.19283	2.26628	4	X
K04B40W	17.4	0.15	K1128	351.335	198.733	298.588	1.362	0.15123	2.32098	3	X
K04B98E	17.2	0.15	K1128	283.853	244.197	338.896	6.075	0.08909	2.35660	4	X
K04BB4X	16.2	0.15	K1128	325.538	194.486	352.739	11.530	0.14323	2.34188	5	X
K04BB9G	16.8	0.15	K1128	323.383	155.460	41.395	8.672	0.16655	2.29941	4	X
K04C05U	16.5	0.15	K1128	85.971	329.376	86.500	6.994	0.16036	2.26284	5	X
K04C05V	17.2	0.15	K1128	47.013	80.944	22.013	6.269	0.03163	2.27933	5	X
K04C10J	18.1	0.15	K1128	34.408	99.376	358.265	3.568	0.24938	2.28577	4	X
K04C68C	16.7	0.15	K1128	20.729	111.699	22.699	5.029	0.11691	2.27717	4	X
K04C72U	17.5	0.15	K1128	50.604	1.033	92.575	3.084	0.12491	2.27943	5	X
K04C73N	16.9	0.15	K1128	21.653	120.729	348.723	5.473	0.11024	2.30649	4	X
K04C89L	17.8	0.15	K1128	90.500	332.343	77.957	3.653	0.14305	2.26245	4	X
K04D01N	16.6	0.15	K1128	271.873	104.888	133.038	21.609	0.23066	2.35325	3	X
K04D01Z	17.2	0.15	K1128	347.783	167.712	6.678	2.678	0.09398	2.28826	4	X
K04D02T	17.5	0.15	K1128	322.652	131.598	61.848	2.709	0.18121	2.30651	4	X
K04D07C	16.6	0.15	K1128	284.017	261.268	330.654	6.679	0.07437	2.31799	5	X
K04D10Z	16.8	0.15	K1128	336.244	70.899	118.958	3.679	0.14117	2.29966	4	X
K04D12U	16.0	0.15	K1128	321.234	71.261	151.787	8.671	0.12616	2.28504	5	X
K04D25A	17.0	0.15	K1128	298.913	91.567	142.001	5.453	0.09552	2.27618	8	X
K04D27B	17.4	0.15	K1128	301.398	119.029	116.442	3.839	0.18683	2.30518	6	X
K04D27R	16.5	0.15	K1128	234.494	295.382	352.736	6.990	0.11861	2.30694	7	X
K04D38A	16.0	0.15	K1128	321.078	61.938	173.602	23.428	0.19938	2.29540	6	X
K04D43C	17.3	0.15	K1128	49.929	339.218	125.691	4.822	0.09768	2.27233	6	X
K04D43S	17.5	0.15	K1128	326.439	63.304	133.242	4.374	0.18779	2.31808	4	X
K04D44C	16.6	0.15	K1128	324.123	94.728	100.534	7.538	0.03787	2.29434	7	X
K04D51H	17.0	0.15	K1128	32.765	15.174	139.040	2.918	0.09317	2.24683	4	X
K04D51R	16.6	0.15	K1128	359.993	147.161	3.043	8.021	0.04046	2.33037	5	X
K04E06R	17.3	0.15	K1128	336.218	183.746	351.747	6.510	0.06278	2.33317	3	W
K04E07U	16.9	0.15	K1128	341.227	153.948	17.387	10.082	0.13352	2.34214	3	X

K04E13J	16.6	0.15	K1128	281.983	214.309	27.144	6.799	0.07616	2.32103	4	X
K04E16X	16.8	0.15	K1128	327.845	135.099	82.450	6.047	0.11499	2.29039	4	X
K04E19Q	17.1	0.15	K1128	301.169	92.640	144.068	1.099	0.16918	2.30428	6	X
K04E20M	20.2	0.15	K1128	263.406	314.785	343.867	14.140	0.52388	1.10542	5	X
K04E23V	17.6	0.15	K1128	7.955	132.530	2.704	24.625	0.23724	2.32384	2	X
K04E25A	16.6	0.15	K1128	282.428	239.057	13.701	6.990	0.18859	2.32096	5	X
K04E34B	16.8	0.15	K1128	3.466	167.479	348.428	6.427	0.07114	2.30970	3	X
K04E36F	17.0	0.15	K1128	305.035	37.264	204.512	5.921	0.17702	2.29043	4	X
K04E43V	17.0	0.15	K1128	84.452	46.599	15.965	6.014	0.12626	2.30615	3	X
K04E44F	16.9	0.15	K1128	294.179	228.906	355.426	6.621	0.14130	2.35604	4	X
K04E51T	17.7	0.15	K1128	320.373	182.572	13.847	4.330	0.18604	2.32944	2	X
K04E66M	16.3	0.15	K1128	328.483	199.964	40.876	12.823	0.40447	2.29007	6	X
K04E78Y	17.5	0.15	K1128	306.012	179.636	45.145	3.152	0.15535	2.31815	3	W
K04E80D	16.6	0.15	K1128	297.024	187.792	37.519	6.322	0.14982	2.32142	4	X
K04E84A	17.4	0.15	K1128	311.461	118.941	92.595	2.163	0.14441	2.34720	5	X
K04E85S	16.0	0.15	K1128	227.736	269.782	54.938	6.574	0.17813	2.28813	10	X
K04E85T	16.7	0.15	K1128	254.139	141.965	140.454	6.854	0.11070	2.32094	5	X
K04E93M	17.5	0.15	K1128	343.044	154.175	27.939	4.020	0.07011	2.30624	5	X
K04EA5O	17.5	0.15	K1128	241.697	135.139	158.454	5.456	0.21577	2.33707	5	X
K04F14M	16.9	0.15	K1128	335.157	181.903	10.010	5.048	0.20367	2.33769	3	X
K04F33X	17.2	0.15	K1128	308.522	256.454	322.387	6.622	0.21068	2.33120	4	X
K04F36X	16.3	0.15	K1128	258.157	237.290	37.065	11.225	0.21233	2.38860	6	X
K04F45G	16.5	0.15	K1128	9.592	67.304	80.800	3.742	0.10595	2.32940	7	X
K04F47L	16.7	0.15	K1128	42.730	74.191	33.840	6.415	0.05262	2.32624	4	X
K04F67E	17.1	0.15	K1128	286.322	225.958	32.761	7.720	0.08901	2.30050	4	X
K04F86V	16.9	0.15	K1128	13.429	76.046	54.334	8.732	0.05558	2.33763	5	X
K04F91E	17.1	0.15	K1128	336.931	107.575	67.202	6.590	0.14471	2.34948	4	X
K04F92T	16.8	0.15	K1128	357.852	133.163	12.748	7.239	0.12551	2.35792	3	X
K04F98L	16.1	0.15	K1128	298.982	76.717	149.012	11.430	0.12669	2.34642	5	X
K04FA9L	17.3	0.15	K1128	329.146	192.044	4.738	3.668	0.17657	2.33409	4	X
K04FC5T	17.3	0.15	K1128	289.963	56.838	183.721	1.967	0.17950	2.35033	4	X
K04G00Q	17.2	0.15	K1128	328.122	175.350	23.823	6.257	0.14800	2.34151	2	X
K04G04F	17.1	0.15	K1128	22.587	30.997	101.444	2.243	0.08104	2.34433	5	X
K04G13B	16.3	0.15	K1128	310.029	136.719	115.118	9.734	0.19245	2.33044	7	X
K04G14K	16.9	0.15	K1128	312.085	141.191	70.393	7.989	0.14651	2.36867	2	X
K04G15V	17.9	0.15	K1128	320.286	99.602	147.851	2.992	0.20621	2.28822	5	X
K04G60P	17.3	0.15	K1128	3.066	122.274	61.984	3.692	0.16203	2.29204	4	X
K04G64G	17.0	0.15	K1128	328.877	155.971	21.282	6.787	0.06572	2.38283	5	X
K04H17O	16.9	0.15	K1128	315.098	174.050	32.031	7.033	0.08019	2.36738	5	X
K04H25L	17.3	0.15	K1128	319.241	75.186	129.790	1.923	0.12959	2.36693	6	X
K04H28H	17.1	0.15	K1128	325.459	128.513	74.982	5.962	0.18209	2.36029	4	X
K04H31Z	16.9	0.15	K1128	350.659	104.151	51.526	7.540	0.06538	2.38946	4	X
K04H33V	16.7	0.15	K1128	324.466	55.245	127.762	5.205	0.13329	2.40570	3	X
K04H38G	17.3	0.15	K1128	276.113	111.212	147.213	5.864	0.22139	2.37872	4	X
K04H42V	16.7	0.15	K1128	291.209	227.082	18.750	6.213	0.11818	2.36295	6	X
K04H47J	16.8	0.15	K1128	14.410	71.675	66.097	3.198	0.12990	2.36613	5	X
K04H50O	17.2	0.15	K1128	284.860	131.206	115.336	10.329	0.19575	2.38593	5	X
K04J03N	16.7	0.15	K1128	332.150	136.804	54.887	8.100	0.14845	2.38251	5	X
K04J14O	16.6	0.15	K1128	242.162	152.276	123.778	5.086	0.09565	2.44416	5	X
K04J16H	17.4	0.15	K1128	292.661	91.170	150.893	2.856	0.18552	2.37958	6	X
K04J21U	17.3	0.15	K1128	9.362	288.060	225.561	2.324	0.15970	2.35209	6	X
K04J24H	16.9	0.15	K1128	358.781	109.690	65.216	5.116	0.10505	2.35982	6	X
K04J30C	17.0	0.15	K1128	301.103	171.243	80.496	3.425	0.15896	2.35557	5	X
K04J41K	17.1	0.15	K1128	292.841	225.020	42.965	6.159	0.20567	2.33955	5	X
K04J48V	16.8	0.15	K1128	279.914	145.358	103.229	6.993	0.09977	2.39689	4	X
K04K08P	17.1	0.15	K1128	319.110	197.216	14.788	6.415	0.18687	2.37225	5	X
K04K10Y	16.7	0.15	K1128	273.121	122.928	150.772	7.185	0.10695	2.36765	5	X
K04L08J	16.5	0.15	K1128	272.801	196.012	92.600	6.016	0.17947	2.41686	5	X
K04L15T	17.1	0.15	K1128	309.323	31.069	203.371	5.277	0.17313	2.38214	6	X
K04L26A	16.6	0.15	K1128	199.479	154.568	165.761	4.380	0.27123	2.61315	4	X
K04M04Z	16.7	0.15	K1128	270.255	259.162	55.122	6.346	0.24366	2.37772	6	X
K04N06Q	15.2	0.15	K1128	176.063	9.921	336.083	14.080	0.27035	2.64737	6	X
K04N07R	15.7	0.15	K1128	197.205	167.899	153.649	15.776	0.27556	2.61520	5	X
K04N08C	16.8	0.15	K1128	217.772	86.403	226.793	1.716	0.15626	2.54959	7	X
K04N26L	16.2	0.15	K1128	166.588	223.398	134.896	7.840	0.08615	2.56553	7	X
K04N33F	17.4	0.15	K1128	195.500	164.543	160.077	23.838	0.07867	1.86677	6	X
K04N33W	16.6	0.15	K1128	231.277	297.730	3.457	13.900	0.07727	2.51872	5	X
K04P01K	17.5	0.15	K1128	257.528	114.348	139.679	23.421	0.05514	1.87044	4	X
K04P10X	16.9	0.15	K1128	198.381	105.979	224.169	2.268	0.16430	2.56374	6	X
K04P16L	15.8	0.15	K1128	197.072	164.296	153.676	13.069	0.16541	2.64583	5	X
K04P19T	15.7	0.15	K1128	163.521	191.318	164.343	12.649	0.19235	2.70086	7	X
K04P21K	17.2	0.15	K1128	335.399	188.143	344.523	20.943	0.04496	1.89662	5	X
K04P55Q	16.9	0.15	K1128	271.199	231.726	48.063	2.996	0.23494	2.48227	4	X
K04P70Q	16.2	0.15	K1128	175.289	214.483	119.857	5.585	0.12730	2.62832	6	X
K04PA0Z	15.6	0.15	K1128	168.597	181.431	170.623	17.267	0.16916	2.67305	5	X
K04Q06O	16.1	0.15	K1128	288.625	251.025	351.047	11.651	0.07728	2.57119	5	X
K04Q24K	15.8	0.15	K1128	194.380	160.423	170.544	27.792	0.05360	2.62276	5	X
K04R12R	15.8	0.15	K1128	245.837	287.372	7.008	11.481	0.18693	2.51675	7	X
K04R33G	16.4	0.15	K1128	233.040	194.991	102.679	3.984	0.15300	2.57904	5	X
K04R45H	15.9	0.15	K1128	280.022	258.125	339.485	13.672	0.07033	2.63965	5	X
K04R50P	16.7	0.15	K1128	204.104	263.759	49.933	2.705	0.20261	2.63476	7	X
K04R63G	15.7	0.15	K1128	167.553	355.833	350.619	13.294	0.08108	2.69570	8	X
K04R69H	16.2	0.15	K1128	212.965	152.444	166.334	11.527	0.15062	2.62738	4	X
K04R76T	16.3	0.15	K1128	173.082	340.354	21.278	6.794	0.16680	2.66147	7	X
K04RA9K	17.6	0.15	K1128	347.465	172.078	354.472	18.249	0.06808	1.90181	4	X
K04RD5V	17.3	0.15	K1128	83.582	15.289	43.106	2.528	0.07402	2.74808	7	X

K04RE8Z	16.5	0.15	K1128	261.024	107.343	168.801	10.680	0.02394	2.60381	6 X
K04RG7K	16.1	0.15	K1128	63.295	38.299	18.364	13.936	0.22792	2.89719	4 X
K04RM9F	16.4	0.15	K1128	168.804	341.938	357.984	5.942	0.06096	2.78511	4 X
K04RN3U	16.6	0.15	K1128	160.474	164.801	180.514	4.650	0.07953	2.78558	7 X
K04RP5D	16.9	0.15	K1128	181.523	319.279	14.821	20.963	0.08228	1.89773	3 X
K04RP7J	16.8	0.15	K1128	139.020	226.486	152.585	3.079	0.14318	2.67104	6 X
K04RQ3K	16.9	0.15	K1128	152.064	202.278	165.261	6.822	0.07091	2.68081	3 W
K04RS9H	14.7	0.15	K1128	14.674	157.780	269.573	26.073	0.10446	3.13711	5 X
K04RX3G	15.9	0.15	K1128	235.193	284.035	7.133	29.037	0.16471	2.60795	4 X
K04S09V	16.6	0.15	K1128	194.060	311.067	3.888	12.519	0.12099	2.67981	5 X
K04S09W	17.3	0.15	K1128	117.657	37.448	338.025	19.878	0.07334	1.90440	3 X
K04S23C	16.2	0.15	K1128	142.399	42.549	329.125	1.022	0.14429	2.77354	5 X
K04S24Q	17.2	0.15	K1128	137.840	34.124	329.496	7.471	0.17468	2.72483	4 X
K04S43H	16.5	0.15	K1128	234.410	303.002	339.496	13.057	0.09070	2.66207	5 X
K04T39S	16.5	0.15	K1128	205.914	84.010	208.927	2.378	0.06971	2.78865	7 X
K04T64V	16.0	0.15	K1128	29.945	90.184	41.273	4.272	0.04716	2.77570	6 X
K04T67V	16.2	0.15	K1128	49.586	268.834	154.029	9.791	0.38399	3.06814	4 X
K04T69C	15.8	0.15	K1128	232.369	258.481	30.785	15.202	0.07090	2.69993	5 X
K04TA1L	16.5	0.15	K1128	184.486	316.127	27.171	5.957	0.06612	2.73325	6 X
K04TE5E	16.3	0.15	K1128	116.723	2.468	51.803	3.930	0.08961	2.77876	6 X
K04TE6D	16.5	0.15	K1128	254.016	279.853	22.609	13.485	0.18767	2.57493	4 X
K04TG3Y	16.7	0.15	K1128	50.433	9.599	67.098	2.898	0.21119	2.99515	5 X
K04TJ8C	16.0	0.15	K1128	86.303	43.495	32.168	6.703	0.06249	2.78772	5 X
K04TK4Q	16.4	0.15	K1128	204.549	273.392	43.982	4.672	0.09918	2.79660	5 X
K04TL1C	16.7	0.15	K1128	275.690	201.941	33.628	3.165	0.02276	2.78178	6 X
K04TL1N	17.0	0.15	K1128	176.133	350.972	355.721	3.202	0.10684	2.74597	5 X
K04TM5X	16.6	0.15	K1128	106.244	232.188	176.061	4.397	0.07126	2.76005	6 X
K04TO5P	16.4	0.15	K1128	132.655	2.541	19.429	6.049	0.03270	2.75851	4 X
K04TU1K	15.7	0.15	K1128	101.018	44.062	343.490	10.645	0.10622	2.91879	4 X
K04TZ4E	16.2	0.15	K1128	291.130	178.515	59.345	10.293	0.07607	2.82956	5 X
K04TZ9Q	16.1	0.15	K1128	166.519	8.959	345.558	7.072	0.06123	2.72049	5 X
K04Ta9B	17.0	0.15	K1128	104.440	113.131	278.711	0.904	0.13011	2.92858	5 X
K04V36Z	16.7	0.15	K1128	49.469	52.747	40.275	2.255	0.08300	2.93830	4 X
K04V55N	16.0	0.15	K1128	207.508	321.299	39.056	14.192	0.08920	2.65138	3 X
K04X02T	16.5	0.15	K1128	44.713	25.256	55.500	2.594	0.23853	3.07248	3 X
K04X34A	16.1	0.15	K1128	11.224	48.143	82.844	10.639	0.16612	3.07693	4 X
K04X53O	15.3	0.15	K1128	105.567	319.539	87.479	2.533	0.05245	2.97888	6 X
K04X67W	16.3	0.15	K1128	61.972	231.752	193.353	1.979	0.21877	3.11865	5 X
K04X68J	16.4	0.15	K1128	19.491	3.613	112.769	11.899	0.17917	3.16478	3 X
K04X75K	16.1	0.15	K1128	44.316	358.308	98.002	4.970	0.25485	3.06405	4 X
K04XA3M	15.6	0.15	K1128	31.125	23.022	77.148	19.239	0.28664	3.12318	3 X
K04XB6W	16.3	0.15	K1128	71.457	225.854	215.051	3.177	0.08504	3.00101	6 X
K04XC4Y	15.3	0.15	K1128	96.122	315.688	92.334	10.877	0.05320	3.05314	5 X
K04XE0M	15.5	0.15	K1128	31.002	352.103	109.984	16.696	0.12581	3.18280	3 X
K04XG1X	15.7	0.15	K1128	163.982	330.783	41.930	10.158	0.38793	2.73035	3 X
K04XG7R	15.9	0.15	K1128	108.944	354.396	70.638	3.350	0.05270	2.89139	4 X
K04Y00W	15.3	0.15	K1128	356.119	189.529	319.475	24.456	0.46600	3.23324	4 X
K04Y22T	15.7	0.15	K1128	22.938	357.670	121.804	7.402	0.11665	3.21772	5 X
K04Y32G	15.4	0.15	K1128	32.594	87.487	25.641	25.283	0.32650	3.16823	4 X
K04Y33Y	15.4	0.15	K1128	22.552	9.127	98.016	15.895	0.29164	3.11201	3 X
K05A07Q	15.1	0.15	K1128	8.697	44.336	105.711	9.979	0.12621	3.15781	4 X
K05A12T	15.0	0.15	K1128	71.109	316.472	112.405	19.413	0.15049	3.10269	3 X
K05A30C	14.9	0.15	K1128	17.838	70.149	65.245	14.398	0.11794	3.19317	5 X
K05A40L	14.9	0.15	K1128	343.000	69.204	104.793	17.752	0.06561	3.14245	5 X
K05A47T	16.3	0.15	K1128	23.250	190.535	295.153	0.159	0.22340	3.16593	4 X
K05A52H	15.2	0.15	K1128	58.927	280.135	135.074	26.659	0.19286	3.21413	4 X
K05A68J	15.8	0.15	K1128	358.065	4.749	153.889	18.750	0.33148	3.27006	3 X
K05B09H	15.2	0.15	K1128	15.154	19.017	115.943	13.073	0.07375	3.20827	6 X
K05B17R	16.2	0.15	K1128	235.402	143.006	139.010	4.297	0.00171	3.13347	6 X
K05B23P	14.9	0.15	K1128	58.666	359.661	117.175	7.813	0.11367	3.07343	9 X
K05B29B	15.2	0.15	K1128	87.733	318.041	107.863	8.939	0.08186	3.14734	5 X
K05B49Q	15.4	0.15	K1128	326.324	65.511	134.893	9.828	0.05297	3.17675	4 X
K05C09K	15.8	0.15	K1128	27.919	354.865	129.370	18.156	0.16347	3.19306	4 X
K05C21K	15.0	0.15	K1128	16.464	29.750	138.675	14.541	0.14111	3.14397	4 X
K05C38T	16.0	0.15	K1128	346.467	43.933	155.604	10.742	0.06330	3.02875	7 X
K05C73Z	15.5	0.15	K1128	182.909	204.865	144.435	9.179	0.07379	3.17659	6 X
K05C80S	15.5	0.15	K1128	30.018	116.611	9.594	15.322	0.14309	3.21908	4 X
K05C80Z	15.7	0.15	K1128	342.697	19.227	165.323	19.210	0.09833	3.22009	3 X
K05E03E	15.4	0.15	K1128	36.089	347.070	132.825	7.148	0.04707	3.16490	6 X
K05E13T	14.9	0.15	K1128	17.235	23.010	137.930	5.794	0.12063	3.20742	7 X
K05E20N	15.4	0.15	K1128	288.607	265.799	351.467	13.833	0.09372	3.19600	3 X
K05E30D	16.1	0.15	K1128	23.530	323.108	167.797	4.909	0.13876	3.21981	6 X
K05E39P	15.4	0.15	K1128	96.335	276.161	140.347	16.603	0.08980	3.13296	5 X
K05EG9Y	22.1	0.15	K1128	312.578	227.509	346.976	20.891	0.23323	1.30803	3 X
K05EH2Z	16.3	0.15	K1128	37.253	344.641	145.725	10.634	0.03688	3.11535	5 X
K05EH7V	15.8	0.15	K1128	71.221	106.934	330.114	13.924	0.03131	3.22410	4 X
K05G33K	16.0	0.15	K1128	41.400	329.860	163.588	13.309	0.12149	3.15243	6 X
K05GE4W	15.8	0.15	K1128	6.804	6.884	162.288	11.255	0.12648	3.21427	4 X
K05H03Y	17.6	0.15	K1128	6.772	74.398	61.562	10.928	0.21159	2.12858	4 X
K05JB7H	17.4	0.15	K1128	265.397	144.710	101.230	6.558	0.10509	2.19839	5 X
K05JE3P	18.1	0.15	K1128	248.038	118.265	158.535	2.717	0.14336	2.19113	6 X
K05M24F	17.8	0.15	K1128	311.283	105.658	128.820	4.154	0.28130	2.15480	4 X
K05M27D	17.3	0.15	K1128	118.683	216.552	168.561	2.691	0.22225	2.40320	6 X
K05M39H	17.2	0.15	K1128	161.005	28.921	314.100	4.477	0.23917	2.38117	4 X
K05M53O	17.6	0.15	K1128	167.688	40.186	299.413	2.212	0.13418	2.37949	5 X
K05M53P	17.5	0.15	K1128	247.139	151.997	128.272	4.612	0.18628	2.27693	5 X



K05N28L	17.7	0.15	K1128	159.328	180.238	164.734	2.624	0.23341	2.38377	6	X
K05N49G	17.3	0.15	K1128	176.603	201.210	132.454	6.380	0.21643	2.36396	5	X
K05N97V	18.0	0.15	K1128	278.049	132.934	126.722	5.184	0.11202	2.21976	4	X
K05O05F	16.8	0.15	K1128	252.513	145.339	154.580	4.524	0.17834	2.21777	6	X
K05O09S	17.3	0.15	K1128	193.828	218.852	109.066	4.854	0.16289	2.32557	5	X
K05O22C	16.9	0.15	K1128	152.466	230.668	139.518	7.009	0.11819	2.35867	6	X
K05P04V	16.8	0.15	K1128	178.330	273.904	73.727	11.095	0.23534	2.31999	3	X
K05P11A	17.4	0.15	K1128	275.088	125.430	132.137	6.353	0.10052	2.27237	6	X
K05Q00Y	17.4	0.15	K1128	208.724	332.398	348.919	7.094	0.13947	2.29887	3	X
K05Q06P	16.9	0.15	K1128	117.076	54.270	333.697	3.850	0.19411	2.45518	4	X
K05Q28R	17.9	0.15	K1128	229.094	89.533	220.208	1.781	0.24828	2.27798	3	X
K05Q33T	17.3	0.15	K1128	114.788	258.240	154.483	7.318	0.11554	2.36580	4	X
K05Q35F	17.5	0.15	K1128	255.524	160.237	124.368	3.358	0.14939	2.28292	5	X
K05Q41E	16.6	0.15	K1128	184.046	22.842	304.327	3.995	0.19970	2.38383	4	X
K05Q45H	17.9	0.15	K1128	167.573	199.701	140.334	7.239	0.12362	2.40653	5	X
K05Q45U	17.4	0.15	K1128	174.146	332.986	2.022	6.135	0.12164	2.39975	3	X
K05Q70B	17.6	0.15	K1128	215.862	312.396	356.238	4.115	0.26117	2.30442	5	X
K05Q97W	16.6	0.15	K1128	183.630	203.877	149.398	6.612	0.13303	2.34273	4	X
K05Q92J	17.7	0.15	K1128	187.114	153.844	173.827	1.149	0.19086	2.38034	6	X
K05Q97T	17.0	0.15	K1128	279.322	138.400	131.503	5.721	0.09917	2.25100	7	X
K05Q98L	17.7	0.15	K1128	119.889	285.496	91.676	2.874	0.14233	2.45593	6	X
K05QB4G	17.3	0.15	K1128	139.210	208.191	166.512	7.721	0.13784	2.44170	7	X
K05QB4O	17.4	0.15	K1128	150.822	172.752	190.850	0.816	0.19898	2.43126	4	X
K05QD6R	17.1	0.15	K1128	10.137	16.402	124.072	3.152	0.13011	2.46009	4	X
K05QF9V	15.9	0.15	K1128	130.134	10.989	354.876	22.773	0.07428	2.44120	5	X
K05QG1X	17.4	0.15	K1128	268.545	215.179	64.859	4.357	0.13402	2.24240	6	X
K05QG5O	17.0	0.15	K1128	287.616	227.781	52.493	6.756	0.13908	2.23574	7	X
K05R03Q	17.0	0.15	K1128	225.439	315.300	355.770	6.988	0.19678	2.35031	5	X
K05R25M	16.3	0.15	K1128	57.802	70.869	350.181	26.296	0.32836	2.67122	2	W
K05S14N	16.4	0.15	K1128	220.063	282.460	32.045	9.920	0.22612	2.29781	5	X
K05S29E	17.3	0.15	K1128	286.387	259.500	343.725	6.094	0.06848	2.39043	3	X
K05S38Y	17.8	0.15	K1128	55.649	252.181	194.299	3.901	0.17640	2.55772	3	X
K05S51Z	17.3	0.15	K1128	242.951	268.856	27.312	5.066	0.24264	2.33156	4	X
K05S67O	17.7	0.15	K1128	252.487	268.058	7.949	3.299	0.18396	2.33774	3	X
K05S68V	17.3	0.15	K1128	289.449	104.084	191.853	7.234	0.23235	2.18536	5	X
K05S96M	17.0	0.15	K1128	74.268	249.685	158.534	3.588	0.24342	2.59447	5	X
K05SB4T	17.0	0.15	K1128	199.096	63.292	256.175	1.554	0.22654	2.38437	6	X
K05SD4P	17.0	0.15	K1128	262.811	221.638	88.343	3.958	0.15427	2.23655	6	X
K05SH8K	17.1	0.15	K1128	216.551	300.595	11.535	9.024	0.15591	2.34672	3	X
K05SM6V	18.1	0.15	K1128	114.723	10.043	15.482	3.107	0.10322	2.51255	4	X
K05SN6V	17.8	0.15	K1128	219.247	355.403	307.392	1.777	0.17357	2.40762	4	X
K05T07G	16.1	0.15	K1128	38.960	127.175	325.624	11.747	0.18434	2.62111	3	X
K05T27D	17.2	0.15	K1128	68.720	239.628	194.623	2.371	0.16256	2.59889	5	X
K05T50S	17.1	0.15	K1128	43.052	75.534	333.556	10.352	0.42058	2.79222	2	X
K05T55V	17.5	0.15	K1128	198.099	273.800	49.286	4.033	0.14098	2.39211	6	X
K05T71W	16.6	0.15	K1128	135.248	8.821	9.506	16.104	0.18990	2.42588	4	X
K05T98W	17.0	0.15	K1128	240.835	323.990	321.698	7.919	0.20207	2.32446	3	X
K05T99O	18.3	0.15	K1128	78.562	86.074	335.927	2.498	0.18061	2.55594	3	X
K05TB5P	17.9	0.15	K1128	273.107	282.093	331.227	1.832	0.14573	2.36910	4	X
K05TB9D	16.8	0.15	K1128	345.572	178.771	10.870	5.486	0.23056	2.41847	5	X
K05TC1O	17.6	0.15	K1128	218.796	80.634	224.284	1.629	0.21185	2.35795	7	X
K05TD6E	17.7	0.15	K1128	45.110	281.179	168.586	4.743	0.17585	2.58544	4	X
K05TF7W	18.2	0.15	K1128	259.340	285.949	359.896	3.228	0.19426	2.30857	3	X
K05TG3S	16.8	0.15	K1128	33.748	83.432	18.204	14.236	0.17264	2.62342	4	X
K05TG5O	17.3	0.15	K1128	67.065	145.716	274.706	1.373	0.19933	2.63869	3	X
K05TI0C	16.5	0.15	K1128	238.184	336.599	326.884	6.559	0.11450	2.30665	6	X
K05U12M	17.1	0.15	K1128	14.360	102.278	40.903	4.670	0.19265	2.59472	4	X
K05U20H	16.1	0.15	K1128	8.411	90.849	43.414	13.563	0.18401	2.64681	4	X
K05U40A	17.0	0.15	K1128	234.326	228.845	69.350	2.269	0.17347	2.44576	4	X
K05U57W	17.8	0.15	K1128	107.629	54.891	335.814	1.906	0.12437	2.58489	3	X
K05U99O	17.7	0.15	K1128	12.336	325.884	139.518	4.089	0.15384	2.74733	4	X
K05UA4V	16.9	0.15	K1128	37.254	18.754	96.179	4.004	0.15892	2.62189	4	X
K05UD2S	16.5	0.15	K1128	110.567	252.270	162.226	13.601	0.18158	2.52847	4	X
K05UE1G	16.9	0.15	K1128	115.631	270.425	131.805	3.693	0.19704	2.52191	5	X
K05UF5M	16.4	0.15	K1128	40.711	326.623	120.088	8.362	0.15573	2.63237	3	X
K05UF5R	16.7	0.15	K1128	243.479	145.187	168.201	11.262	0.23279	2.28324	6	X
K05UF5W	16.4	0.15	K1128	94.544	281.128	124.608	6.147	0.16457	2.59871	4	X
K05UG0Z	16.6	0.15	K1128	59.372	264.964	173.522	6.013	0.22306	2.64037	4	X
K05UH4G	17.2	0.15	K1128	73.044	115.662	314.459	3.039	0.16317	2.62251	5	X
K05UH5Y	16.9	0.15	K1128	96.539	12.889	16.048	4.028	0.22796	2.64043	4	X
K05UI2O	17.2	0.15	K1128	59.780	28.142	54.270	3.962	0.15194	2.64466	4	X
K05UI3W	17.2	0.15	K1128	150.405	125.216	217.625	1.991	0.05101	2.60329	4	X
K05UI9O	17.2	0.15	K1128	184.187	301.548	23.515	2.084	0.02199	2.54946	5	X
K05UJ3E	17.2	0.15	K1128	14.311	300.061	188.160	3.156	0.14904	2.58646	6	X
K05UJ8V	17.6	0.15	K1128	269.189	239.690	50.811	5.245	0.20072	2.30740	5	X
K05UL2H	16.8	0.15	K1128	173.934	157.487	177.121	1.645	0.12132	2.52908	5	X
K05UM3F	17.2	0.15	K1128	303.999	213.921	14.428	6.332	0.09223	2.44691	5	X
K05UN2E	16.9	0.15	K1128	187.731	260.501	62.000	2.065	0.10669	2.51564	5	X
K05UN6K	17.3	0.15	K1128	261.433	138.009	132.470	3.700	0.15547	2.45314	5	X
K05UT3T	17.7	0.15	K1128	251.565	359.917	290.837	2.079	0.20311	2.37936	3	X
K05Ua7H	17.0	0.15	K1128	19.363	59.156	91.676	6.013	0.16496	2.54740	5	X
K05Ub3L	16.5	0.15	K1128	28.471	105.743	26.336	4.688	0.06592	2.58056	6	X
K05Uc3Y	16.1	0.15	K1128	48.047	309.043	142.853	12.255	0.15645	2.64067	3	X
K05Uc8B	16.9	0.15	K1128	1.163	79.620	109.858	2.977	0.16332	2.41757	4	X
K05Ud1H	17.3	0.15	K1128	69.672	64.377	346.799	13.554	0.24142	2.56161	5	X
K05Uf9E	17.6	0.15	K1128	331.908	116.167	96.081	3.359	0.14557	2.43378	5	X

K05Um3M	17.1	0.15	K1128	78.314	251.488	169.778	5.244	0.19587	2.56280	5 X
K05Un3Z	16.6	0.15	K1128	40.750	85.986	16.710	11.839	0.13497	2.63428	4 X
K05Uq4C	17.4	0.15	K1128	96.141	229.688	165.384	7.004	0.17680	2.57408	4 X
K05V32N	16.6	0.15	K1128	273.423	219.171	65.802	7.331	0.15997	2.39408	5 X
K05V43G	16.2	0.15	K1128	69.852	323.595	112.060	8.578	0.10280	2.51234	6 X
K05V74Z	17.3	0.15	K1128	112.285	210.187	180.644	4.146	0.21760	2.56999	4 X
K05V82O	17.2	0.15	K1128	354.290	145.417	15.235	4.326	0.21459	2.63170	5 X
K05W07L	16.6	0.15	K1128	308.830	293.202	295.470	4.658	0.09372	2.48171	5 X
K05W19K	16.7	0.15	K1128	3.490	358.145	135.225	10.017	0.24883	2.77407	5 X
K05W23K	17.0	0.15	K1128	138.600	27.166	338.079	1.856	0.11485	2.58417	6 X
K05W24M	17.0	0.15	K1128	50.886	39.841	53.587	11.517	0.12392	2.65979	4 X
K05W71J	16.0	0.15	K1128	78.115	344.445	65.622	12.877	0.17147	2.69445	4 X
K05W74T	16.4	0.15	K1128	86.455	260.537	170.067	12.985	0.14886	2.61097	4 X
K05W88R	16.7	0.15	K1128	38.741	4.562	80.356	7.884	0.27764	2.77278	2 X
K05W93R	16.1	0.15	K1128	51.239	333.087	110.092	11.593	0.25500	2.78728	4 X
K05W94Q	16.5	0.15	K1128	131.715	284.880	88.802	4.935	0.19703	2.58893	5 X
K05WB1T	16.3	0.15	K1128	44.001	8.456	80.091	10.251	0.16686	2.71332	6 X
K05WB4N	16.9	0.15	K1128	114.952	23.466	359.139	3.538	0.21413	2.61238	5 X
K05WB7C	17.6	0.15	K1128	105.012	212.766	185.543	3.989	0.18048	2.59229	4 X
K05WC1Z	16.3	0.15	K1128	12.256	26.226	96.898	8.182	0.19690	2.77920	4 X
K05WC7T	16.9	0.15	K1128	281.874	353.015	236.555	2.623	0.12070	2.59856	7 X
K05WF6D	16.1	0.15	K1128	210.584	188.280	150.079	7.329	0.12586	2.42883	7 X
K05WH3K	17.3	0.15	K1128	17.673	353.451	120.461	2.982	0.17378	2.79663	3 X
K05WH5C	17.2	0.15	K1128	53.657	11.380	67.199	2.963	0.22042	2.75368	5 X
K05WH7S	16.9	0.15	K1128	319.615	163.556	52.716	2.131	0.03952	2.62871	9 X
K05WJ0G	16.3	0.15	K1128	62.710	38.149	18.704	9.726	0.22378	2.72830	4 X
K05WK7U	15.9	0.15	K1128	243.851	156.164	130.902	6.994	0.03072	2.77938	7 X
K05X00T	16.5	0.15	K1128	117.687	221.275	167.230	7.813	0.19794	2.58048	3 X
K05X05V	16.0	0.15	K1128	40.212	30.496	73.678	12.914	0.14655	2.66564	4 X
K05X24R	16.6	0.15	K1128	294.462	233.831	277.097	19.163	0.05560	1.90026	3 X
K05X26J	17.2	0.15	K1128	330.204	123.295	108.948	2.184	0.14081	2.43366	7 X
K05X27P	17.7	0.15	K1128	83.883	73.988	337.681	2.507	0.24852	2.63999	3 X
K05X31K	16.8	0.15	K1128	154.629	202.481	159.926	3.118	0.13670	2.60114	5 X
K05X38H	15.5	0.15	K1128	297.159	77.119	154.741	8.351	0.03015	2.91210	5 X
K05X41H	17.0	0.15	K1128	316.304	174.666	35.363	4.718	0.10800	2.67419	5 X
K05X52N	16.7	0.15	K1128	124.611	47.064	338.616	3.730	0.14696	2.64027	6 X
K05X59V	16.1	0.15	K1128	88.480	348.388	77.331	7.223	0.07135	2.64218	7 X
K05X69H	16.6	0.15	K1128	272.595	213.475	49.098	8.317	0.17137	2.54675	6 X
K05X72S	16.5	0.15	K1128	7.944	140.257	50.760	4.863	0.10234	2.55198	6 X
K05X74J	16.7	0.15	K1128	202.485	322.019	348.467	4.730	0.10112	2.68296	5 X
K05X77U	15.1	0.15	K1128	22.927	283.275	98.909	19.304	0.49047	3.08363	3 X
K05X82X	16.4	0.15	K1128	68.064	80.085	341.397	6.814	0.16642	2.66714	4 X
K05Y03F	15.2	0.15	K1128	144.049	347.336	20.924	15.300	0.19304	2.55103	6 X
K05Y12T	17.1	0.15	K1128	348.045	113.336	58.487	2.716	0.15888	2.79181	4 W
K05Y14G	17.1	0.15	K1128	45.019	357.117	111.445	4.627	0.04154	2.76917	3 X
K05Y20U	16.6	0.15	K1128	158.602	252.717	95.288	3.654	0.09540	2.72006	3 X
K05Y26L	17.0	0.15	K1128	45.521	30.842	64.344	2.626	0.10486	2.80595	4 X
K05Y28J	16.9	0.15	K1128	113.986	301.131	103.090	7.172	0.01748	2.73401	4 X
K05Y29F	17.0	0.15	K1128	285.470	301.579	313.335	3.298	0.16553	2.67449	4 X
K05Y43L	16.6	0.15	K1128	331.756	71.435	118.366	9.969	0.08659	2.76365	3 X
K05Y46G	16.7	0.15	K1128	23.663	318.072	170.303	2.007	0.16896	2.77171	5 X
K05Y48H	17.0	0.15	K1128	99.239	106.532	295.668	3.256	0.07339	2.79338	4 X
K05Y55D	16.2	0.15	K1128	276.617	137.046	123.615	8.792	0.16710	2.68600	5 X
K05Y72C	17.0	0.15	K1128	69.762	108.921	324.746	3.625	0.06976	2.71580	6 X
K05Y87G	17.3	0.15	K1128	117.035	289.412	103.564	4.611	0.10389	2.70311	4 X
K05Y92N	16.4	0.15	K1128	296.287	95.181	130.389	4.274	0.05023	2.75072	5 X
K05YA9S	16.6	0.15	K1128	39.657	327.300	144.407	4.232	0.04699	2.75889	6 X
K05YB4K	17.3	0.15	K1128	32.922	57.638	75.683	4.038	0.02668	2.71530	6 X
K05YC4P	15.8	0.15	K1128	36.466	134.469	324.264	7.094	0.06669	2.80602	6 X
K05YD5J	16.6	0.15	K1128	196.764	247.780	80.931	9.259	0.12074	2.62301	6 X
K05YF0K	16.5	0.15	K1128	298.601	161.314	60.588	3.599	0.01558	2.73600	6 X
K05YF9B	16.1	0.15	K1128	331.274	52.926	132.178	6.021	0.05835	2.73933	6 X
K05YI9O	16.1	0.15	K1128	257.690	159.627	115.619	9.784	0.08947	2.66446	6 X
K05YJ6W	17.4	0.15	K1128	66.657	140.993	306.235	1.781	0.06272	2.72076	7 X
K05YK7S	17.5	0.15	K1128	57.526	89.025	359.005	1.632	0.10216	2.79128	4 X
K05YK9E	15.5	0.15	K1128	16.244	38.762	89.262	16.039	0.09441	2.85084	4 X
K05YL1W	16.5	0.15	K1128	19.320	91.914	19.078	6.614	0.22513	2.86781	4 X
K05YL7N	17.1	0.15	K1128	337.967	133.812	30.665	0.698	0.12296	2.84813	4 X
K05YM1X	16.3	0.15	K1128	69.051	349.152	75.225	6.036	0.10052	2.73141	5 X
K05YN6K	17.1	0.15	K1128	39.834	128.478	332.892	4.359	0.12348	2.80520	5 X
K05YN9U	17.3	0.15	K1128	22.733	34.222	134.224	3.680	0.12060	2.63451	5 X
K05YR4X	15.9	0.15	K1128	37.902	322.994	145.837	8.537	0.18219	2.80242	4 X
K06A16Q	16.0	0.15	K1128	30.148	22.356	92.676	15.330	0.12676	2.71241	4 X
K06A31R	16.2	0.15	K1128	358.589	109.717	39.470	7.625	0.13248	2.80342	4 X
K06A33H	16.6	0.15	K1128	30.273	37.670	81.494	10.116	0.13313	2.75987	6 X
K06A39D	17.2	0.15	K1128	52.316	157.102	306.035	3.158	0.05969	2.75661	4 X
K06A54V	17.3	0.15	K1128	88.000	267.898	159.732	4.868	0.06073	2.74370	4 X
K06A89V	16.5	0.15	K1128	47.244	313.654	151.073	3.892	0.04997	2.78463	5 X
K06A91G	17.1	0.15	K1128	106.074	82.245	311.991	3.625	0.08682	2.76208	4 X
K06AA5B	16.1	0.15	K1128	310.499	36.742	153.546	10.017	0.05650	3.07461	5 X
K06B02S	15.7	0.15	K1128	46.448	344.454	121.791	10.754	0.25043	2.79528	4 X
K06B08G	15.7	0.15	K1128	56.446	283.610	141.926	4.974	0.14743	3.00165	5 X
K06B10H	16.5	0.15	K1128	291.563	249.139	332.601	1.388	0.02614	2.83199	5 X
K06B29N	16.8	0.15	K1128	279.847	204.387	97.349	4.401	0.19108	2.55408	6 X
K06B34B	16.1	0.15	K1128	345.927	206.701	334.131	9.576	0.20329	2.91373	5 X
K06B34H	16.4	0.15	K1128	117.532	61.229	334.520	7.743	0.09059	2.88877	5 X

K06B40A	16.1	0.15	K1128	148.937	10.361	347.493	1.481	0.07985	2.86760	4	X
K06B41R	16.7	0.15	K1128	324.749	221.365	337.197	8.355	0.03268	2.91729	5	X
K06B43M	16.2	0.15	K1128	11.420	81.746	73.460	4.306	0.03536	2.81023	7	X
K06B51M	16.6	0.15	K1128	143.310	355.993	18.730	1.238	0.08559	2.78123	5	X
K06B57P	16.8	0.15	K1128	3.230	190.160	326.081	7.693	0.07531	2.80794	4	X
K06B73J	16.5	0.15	K1128	276.298	180.199	64.853	3.836	0.02308	2.81779	6	X
K06BB1N	16.4	0.15	K1128	239.572	315.489	335.550	9.776	0.09122	2.79650	3	X
K06BB3F	16.9	0.15	K1128	94.282	306.598	93.900	1.287	0.13002	2.86526	4	X
K06BC1W	17.3	0.15	K1128	61.303	40.768	58.237	0.965	0.02818	2.79934	3	X
K06BC5T	17.0	0.15	K1128	24.918	345.571	117.834	2.035	0.14382	3.00060	4	X
K06BD9S	16.5	0.15	K1128	48.171	299.173	155.402	10.823	0.08586	2.92063	4	X
K06BE2S	16.2	0.15	K1128	83.954	307.706	145.156	5.057	0.03507	2.79488	5	X
K06BE9L	15.8	0.15	K1128	13.468	1.727	162.055	12.867	0.08775	2.79261	6	X
K06BG3S	16.2	0.15	K1128	329.632	80.519	135.146	9.695	0.09081	2.74550	5	X
K06BH1V	16.0	0.15	K1128	185.605	196.133	137.706	7.508	0.03817	2.77287	5	X
K06BH9L	16.2	0.15	K1128	19.071	12.759	125.033	4.194	0.03519	2.83842	6	X
K06BJ3R	15.9	0.15	K1128	194.669	193.497	153.225	8.828	0.09094	2.72123	4	X
K06BK0S	17.3	0.15	K1128	123.859	53.496	338.327	3.712	0.07680	2.77186	4	X
K06BL9Q	15.3	0.15	K1128	347.629	54.245	106.066	9.729	0.10193	2.99895	5	X
K06BM3G	15.9	0.15	K1128	182.361	210.494	145.379	6.408	0.08616	2.73010	6	X
K06B08A	16.3	0.15	K1128	66.428	325.850	119.645	3.153	0.03745	2.88559	5	X
K06BP3J	16.6	0.15	K1128	52.778	311.013	149.760	2.382	0.02694	2.87719	5	X
K06BQ5T	16.0	0.15	K1128	222.476	147.533	152.928	2.474	0.09225	2.92461	6	X
K06BQ6N	16.0	0.15	K1128	3.332	2.834	190.953	11.852	0.17216	2.95712	4	X
K06BQ6S	15.9	0.15	K1128	9.143	148.087	10.439	17.137	0.18776	2.75974	4	X
K06BQ8Y	15.3	0.15	K1128	171.866	348.422	337.829	9.555	0.00995	2.91611	5	X
K06BR7R	16.3	0.15	K1128	172.582	212.959	131.205	5.981	0.12492	2.74815	6	X
K06BS2N	16.7	0.15	K1128	91.624	334.744	76.057	3.145	0.06983	2.90939	5	X
K06BS3X	17.3	0.15	K1128	3.822	91.471	59.289	1.918	0.16336	2.86146	4	X
K06C09E	17.7	0.15	K1128	59.398	300.076	132.228	20.276	0.13821	1.81285	3	X
K06C24J	17.3	0.15	K1128	82.177	94.879	326.221	4.426	0.16446	2.78681	4	X
K06C35P	16.7	0.15	K1128	333.582	81.569	107.117	8.740	0.23856	2.85089	3	X
K06C38E	16.1	0.15	K1128	322.702	71.633	161.650	13.402	0.12090	2.77475	4	X
K06C67E	16.4	0.15	K1128	299.295	41.196	173.795	3.634	0.02128	2.93443	4	X
K06D00B	15.6	0.15	K1128	13.998	107.138	8.409	9.935	0.05332	2.98006	3	X
K06D03C	15.9	0.15	K1128	345.367	53.602	137.209	4.338	0.02953	2.77089	7	X
K06D03F	16.8	0.15	K1128	132.168	67.896	318.108	1.084	0.07580	2.86837	6	X
K06D03Z	15.7	0.15	K1128	328.698	194.113	347.137	9.659	0.02717	2.98999	4	X
K06D06G	15.0	0.15	K1128	273.462	112.935	118.671	12.452	0.07148	3.01600	2	X
K06D12E	16.3	0.15	K1128	246.231	156.341	143.735	5.541	0.10722	2.73848	4	X
K06D14P	18.8	0.15	K1128	68.531	59.060	317.396	11.830	0.77627	1.36523	3	X
K06D20M	16.3	0.15	K1128	93.436	65.446	350.820	5.436	0.12209	2.84416	5	X
K06D28K	16.5	0.15	K1128	88.911	315.579	152.700	4.816	0.04681	2.75215	4	X
K06D45C	16.5	0.15	K1128	248.503	279.881	348.379	10.796	0.06221	2.98334	3	X
K06D57A	15.5	0.15	K1128	260.704	118.846	117.799	6.268	0.16192	3.16354	6	X
K06D58G	15.6	0.15	K1128	244.617	280.102	350.443	10.074	0.06583	3.05787	4	X
K06D63D	16.6	0.15	K1128	12.455	157.807	354.071	12.092	0.06674	2.93861	4	X
K06D69G	15.9	0.15	K1128	197.094	160.689	161.637	10.529	0.08858	3.00373	4	X
K06D71U	15.9	0.15	K1128	77.706	273.275	164.813	9.628	0.07347	2.97793	4	X
K06D80D	16.2	0.15	K1128	253.222	288.083	342.060	11.960	0.12630	3.01103	3	X
K06D90F	16.1	0.15	K1128	344.913	359.337	170.342	8.135	0.03008	3.02388	5	X
K06D99O	17.1	0.15	K1128	332.586	3.638	166.322	6.526	0.11323	2.99849	3	X
K06DA6P	17.0	0.15	K1128	355.888	349.170	164.836	9.183	0.13055	3.00240	2	X
K06DB9L	16.2	0.15	K1128	28.163	80.714	77.539	10.398	0.18774	2.74573	3	X
K06DC2E	15.6	0.15	K1128	338.325	17.453	132.078	16.286	0.12412	3.11478	3	X
K06DC2Z	16.4	0.15	K1128	189.253	318.406	21.499	2.143	0.07365	2.86779	4	X
K06DC4Z	16.8	0.15	K1128	91.287	231.554	177.478	3.994	0.09548	2.80847	6	X
K06DD1R	15.8	0.15	K1128	65.961	57.553	26.518	8.646	0.06298	2.94372	4	X
K06DD2N	16.2	0.15	K1128	291.369	164.873	87.544	3.992	0.02951	2.81963	7	X
K06DE1D	16.1	0.15	K1128	298.307	161.409	82.774	3.675	0.27361	2.98633	6	X
K06DE6S	16.4	0.15	K1128	351.811	196.986	346.631	10.090	0.03849	2.89125	6	X
K06DF6K	16.8	0.15	K1128	295.986	211.553	21.144	1.935	0.04248	2.92021	7	X
K06DF9U	16.6	0.15	K1128	275.391	249.213	350.633	8.566	0.05189	3.00280	4	X
K06DH3J	15.8	0.15	K1128	270.311	113.991	155.001	9.737	0.09790	2.93243	5	X
K06DI1V	15.3	0.15	K1128	187.531	317.427	9.155	16.670	0.20900	3.13581	3	X
K06DJ0C	16.3	0.15	K1128	259.495	121.044	166.126	9.148	0.08935	2.92935	5	X
K06DJ5T	16.0	0.15	K1128	345.955	158.914	358.757	13.340	0.10168	2.97485	5	X
K06DK3T	14.7	0.15	K1128	234.255	266.844	16.711	21.581	0.09825	3.07091	5	X
K06E02K	16.7	0.15	K1128	291.243	175.665	74.288	3.117	0.02361	2.88528	5	X
K06E06G	16.2	0.15	K1128	142.324	306.364	53.183	1.616	0.10887	2.99872	5	X
K06E16M	16.1	0.15	K1128	27.702	103.727	11.054	6.994	0.13333	3.03140	5	X
K06E20X	16.4	0.15	K1128	333.676	203.887	345.758	6.962	0.14670	2.91879	7	X
K06E29W	15.5	0.15	K1128	183.922	343.810	349.842	10.181	0.09014	2.96878	6	X
K06E42Q	16.4	0.15	K1128	138.118	37.954	340.953	10.341	0.10825	2.99953	3	X
K06E43D	15.1	0.15	K1128	353.533	359.942	146.896	18.120	0.08099	3.13266	6	X
K06E71T	16.7	0.15	K1128	359.871	173.189	349.235	3.088	0.05964	2.99453	5	X
K06E71Z	16.4	0.15	K1128	352.707	159.701	358.895	1.087	0.06308	3.05398	6	X
K06F10M	15.6	0.15	K1128	342.550	36.829	135.333	11.252	0.19452	2.97639	4	X
K06F15F	15.0	0.15	K1128	343.550	116.482	51.876	9.898	0.02022	3.02831	6	X
K06F24H	15.3	0.15	K1128	358.935	124.317	27.561	20.987	0.02410	3.17217	4	X
K06F32S	16.1	0.15	K1128	283.660	223.813	47.811	5.647	0.14826	3.02770	4	X
K06F37O	15.1	0.15	K1128	12.703	139.048	16.316	17.727	0.21930	3.00318	6	X
K06F38H	16.2	0.15	K1128	102.866	27.824	39.961	6.177	0.05520	2.92255	5	X
K06F38J	16.0	0.15	K1128	330.742	172.793	13.540	17.511	0.09052	3.03789	4	X
K06F43Q	15.0	0.15	K1128	88.241	54.788	9.569	11.995	0.03635	2.95435	4	X
K06F46J	15.6	0.15	K1128	298.518	59.756	136.493	5.311	0.11656	3.20179	6	X

K06F48F	15.7	0.15	K1128	33.011	76.264	39.219	11.450	0.08150	2.97269	5	X
K06F53N	16.5	0.15	K1128	333.146	28.401	165.219	1.680	0.18805	3.07869	4	X
K06F55G	16.5	0.15	K1128	77.695	55.690	10.690	9.211	0.14189	3.03782	4	X
K06G02K	15.9	0.15	K1128	303.396	194.325	28.535	14.987	0.17611	3.13757	3	X
K06G02O	16.2	0.15	K1128	314.801	163.474	100.780	9.491	0.31382	2.92039	3	X
K06G10R	16.2	0.15	K1128	292.826	236.579	26.898	12.878	0.13084	2.91759	3	X
K06G11R	15.7	0.15	K1128	53.575	84.989	38.029	10.888	0.04628	2.96351	7	X
K06G23O	15.8	0.15	K1128	358.964	119.860	38.080	11.133	0.15730	3.08797	4	X
K06G27Y	16.1	0.15	K1128	312.670	102.944	107.782	2.748	0.13870	3.15915	4	X
K06G38M	15.3	0.15	K1128	294.637	109.750	123.784	14.348	0.25648	3.16672	6	X
K06G46K	14.9	0.15	K1128	313.133	169.231	59.422	9.204	0.09124	3.09048	7	X
K06G50X	15.4	0.15	K1128	1.997	34.737	143.376	11.774	0.05306	2.94850	5	X
K06H06Z	15.0	0.15	K1128	300.535	159.275	76.366	20.582	0.17798	3.09564	2	X
K06H14P	16.5	0.15	K1128	349.514	133.228	37.037	1.320	0.11766	3.09919	4	X
K06H35N	15.2	0.15	K1128	304.825	161.647	79.255	11.796	0.22541	3.09284	5	X
K06H42L	15.1	0.15	K1128	310.707	74.129	133.089	27.020	0.20508	3.15965	4	X
K06H46A	16.5	0.15	K1128	353.591	53.139	102.710	2.244	0.12389	3.08560	5	X
K06H54X	15.7	0.15	K1128	290.888	89.016	160.741	12.246	0.10657	3.12964	7	X
K06H59L	15.5	0.15	K1128	354.380	213.979	313.326	9.989	0.22587	3.02666	5	X
K06H60T	15.6	0.15	K1128	295.820	75.453	167.988	11.354	0.11396	3.08875	6	X
K06H70S	16.3	0.15	K1128	23.014	329.557	161.548	2.864	0.03623	3.08577	9	X
K06H73V	15.8	0.15	K1128	314.929	106.249	110.535	4.898	0.14245	3.15657	6	X
K06HA4O	16.2	0.15	K1128	269.194	164.684	135.387	12.504	0.14470	3.05216	4	X
K06HB4W	15.9	0.15	K1128	18.201	84.320	40.878	11.966	0.14968	3.12342	4	X
K06J10D	16.5	0.15	K1128	22.056	97.810	45.472	3.943	0.16970	3.10513	4	X
K06J11Y	16.0	0.15	K1128	247.895	184.512	129.703	6.430	0.18506	3.13747	6	X
K06J29O	16.2	0.15	K1128	338.726	84.430	117.760	2.670	0.11441	3.05905	5	X
K06J31P	15.8	0.15	K1128	204.892	170.207	193.294	10.323	0.04878	2.98413	8	X
K06J54J	15.1	0.15	K1128	330.385	132.470	65.637	17.784	0.16626	3.12367	6	X
K06K02R	15.4	0.15	K1128	337.351	30.846	171.920	17.521	0.13212	3.04681	2	X
K06K03D	15.7	0.15	K1128	257.331	75.792	205.656	8.959	0.21908	3.13678	6	X
K06K12B	15.5	0.15	K1128	23.013	46.856	95.116	17.994	0.02993	3.14026	3	X
K06K29M	15.8	0.15	K1128	306.097	107.153	143.169	10.453	0.09782	3.03330	4	X
K06K34X	15.8	0.15	K1128	153.814	318.966	64.842	5.021	0.05246	3.22194	3	X
K06K55P	16.3	0.15	K1128	283.222	107.701	173.398	16.616	0.21676	3.14210	5	X
K06KB0F	14.9	0.15	K1128	21.625	81.423	31.081	13.194	0.18484	3.21343	4	X
K06KC9U	15.9	0.15	K1128	290.555	238.118	52.303	3.623	0.10290	3.00292	5	X
K06Q22Y	17.3	0.15	K1128	115.158	19.412	352.520	6.091	0.24763	2.21426	5	X
K06QD4C	17.0	0.15	K1128	93.227	74.268	280.141	2.054	0.34977	2.34452	3	X
K06R74H	18.3	0.15	K1128	53.373	86.695	8.360	6.016	0.07096	2.16244	4	X
K06R90K	18.5	0.15	K1128	68.141	63.546	354.738	2.569	0.19741	2.27110	3	X
K06R90Y	18.6	0.15	K1128	59.608	57.259	0.342	1.393	0.18348	2.29613	4	X
K06S20C	17.8	0.15	K1128	72.902	44.143	11.870	5.172	0.17532	2.27103	2	X
K06SB7Y	18.2	0.15	K1128	57.712	49.405	19.904	2.504	0.18674	2.28748	3	X
K06SD8D	16.8	0.15	K1128	32.270	318.845	90.629	6.932	0.09941	2.38650	3	X
K06SM2O	18.6	0.15	K1128	53.977	64.513	20.509	2.651	0.13889	2.21680	2	X
K06SR2W	17.1	0.15	K1128	46.738	71.297	18.127	9.817	0.20763	2.29667	4	X
K06SV6V	18.3	0.15	K1128	34.260	297.900	135.962	2.944	0.16241	2.34522	5	X
K06SW7O	18.8	0.15	K1128	51.117	19.763	68.370	2.604	0.14534	2.25531	4	X
K06T18A	17.8	0.15	K1128	321.167	95.956	107.095	2.767	0.09636	2.15028	7	X
K06TA2H	18.0	0.15	K1128	43.325	97.755	18.950	4.047	0.10210	2.19920	3	X
K06U70F	17.6	0.15	K1128	129.371	240.762	134.799	3.191	0.13026	2.21298	6	X
K06UB3P	18.1	0.15	K1128	345.940	312.978	216.157	5.538	0.09928	2.18151	2	H
K06UD7B	17.8	0.15	K1128	48.979	77.202	11.348	5.370	0.23089	2.31719	5	X
K06UE3Y	17.6	0.15	K1128	131.256	344.371	22.003	4.146	0.15941	2.24423	4	X
K06UH3Q	18.0	0.15	K1128	65.150	111.581	327.247	1.209	0.15659	2.36690	4	X
K06UI2J	16.8	0.15	K1128	94.050	218.332	147.843	4.684	0.22608	2.34047	4	X
K06UJ2Y	17.8	0.15	K1128	132.073	44.394	319.567	2.934	0.22927	2.21533	5	X
K06UL2G	17.4	0.15	K1128	355.883	161.019	357.883	3.663	0.09132	2.25734	7	X
K06US9G	17.4	0.15	K1128	319.716	227.089	304.418	4.599	0.07474	2.28039	3	X
K06UT1K	16.8	0.15	K1128	33.181	324.208	130.278	6.115	0.22219	2.37179	3	X
K06UW8C	18.5	0.15	K1128	31.232	241.571	225.236	1.225	0.15625	2.31155	3	X
K06UZ9Z	17.8	0.15	K1128	303.665	136.791	84.146	4.361	0.09824	2.15707	5	X
K06V02P	16.3	0.15	K1128	3.883	176.846	264.749	5.287	0.08515	2.46640	4	X
K06V21C	17.4	0.15	K1128	350.057	134.127	31.668	3.472	0.09029	2.25795	6	X
K06V37O	17.7	0.15	K1128	115.830	87.355	291.183	1.670	0.18331	2.24236	6	X
K06V50Q	17.1	0.15	K1128	7.947	129.965	339.586	1.606	0.15629	2.44054	5	X
K06V56T	18.4	0.15	K1128	9.212	48.695	76.200	3.135	0.18913	2.37240	2	X
K06V98D	17.9	0.15	K1128	85.984	349.240	63.091	8.229	0.18469	2.28166	2	X
K06VA1Q	16.3	0.15	K1128	66.640	0.664	57.992	8.356	0.22734	2.36136	4	X
K06VB9P	17.8	0.15	K1128	38.258	245.345	233.973	2.981	0.11128	2.26209	7	X
K06VD9N	17.2	0.15	K1128	41.497	229.908	249.472	2.083	0.08923	2.26060	7	X
K06VH0B	17.3	0.15	K1128	348.999	88.557	71.674	3.647	0.11490	2.31843	4	X
K06W04M	17.1	0.15	K1128	42.139	85.244	25.607	7.008	0.10853	2.24225	5	X
K06W23A	17.3	0.15	K1128	78.508	336.428	87.333	7.782	0.07481	2.31018	5	X
K06W35D	18.1	0.15	K1128	342.156	954.730	148.380	4.309	0.03700	2.35765	5	X
K06W51R	17.6	0.15	K1128	353.920	35.785	59.294	7.020	0.13858	2.33118	6	X
K06W56M	17.0	0.15	K1128	14.265	77.700	43.856	3.129	0.13646	2.39035	4	X
K06W79Y	17.8	0.15	K1128	10.499	99.724	32.613	2.684	0.15129	2.34436	4	X
K06W79Z	18.0	0.15	K1128	320.991	154.669	43.401	3.168	0.10076	2.26749	7	X
K06WA2S	17.8	0.15	K1128	149.887	302.191	50.604	0.708	0.15358	2.23950	6	X
K06WB0F	18.1	0.15	K1128	23.688	301.908	177.772	1.107	0.11617	2.34102	3	X
K06WC8Z	17.9	0.15	K1128	157.965	349.997	8.275	1.864	0.19148	2.18799	5	X
K06WE6Q	17.5	0.15	K1128	24.360	168.235	279.835	1.620	0.16204	2.43891	3	X
K06WF8F	16.8	0.15	K1128	24.430	81.034	37.868	7.128	0.05433	2.30582	7	X
K06WF9Z	17.3	0.15	K1128	66.339	59.089	16.535	1.564	0.11498	2.42902	3	X

K06WH4E	17.8	0.15	K1128	23.208	273.595	204.269	2.028	0.16457	2.35700	4	X
K06WI1G	17.5	0.15	K1128	21.777	32.287	91.328	3.065	0.16821	2.34335	5	X
K06WJ0M	16.5	0.15	K1128	82.700	284.045	120.514	7.660	0.10461	2.34301	2	X
K06WJ8G	17.7	0.15	K1128	94.110	312.995	91.128	3.651	0.18751	2.36858	4	X
K06WJ8X	17.4	0.15	K1128	344.886	162.190	10.744	2.567	0.12820	2.41798	5	X
K06X09S	17.5	0.15	K1128	303.887	180.870	50.009	3.162	0.12082	2.28936	5	X
K06X15B	17.6	0.15	K1128	103.967	198.286	207.331	2.129	0.10073	2.28986	7	X
K06X23E	17.1	0.15	K1128	122.269	29.314	354.601	7.826	0.11756	2.27209	6	X
K06X28F	17.2	0.15	K1128	21.511	55.396	78.288	3.062	0.14756	2.35615	6	X
K06X53L	16.7	0.15	K1128	0.882	52.491	98.997	3.299	0.13171	2.42553	3	X
K06X54P	17.4	0.15	K1128	61.659	92.944	336.321	2.102	0.17429	2.36407	5	X
K06X62C	17.2	0.15	K1128	47.357	345.812	111.720	2.533	0.15036	2.38169	4	X
K06Y09T	17.2	0.15	K1128	82.027	152.355	281.051	3.509	0.10994	2.30443	6	X
K06Y17A	17.5	0.15	K1128	94.569	291.073	99.654	3.305	0.22359	2.40873	4	X
K06Y17K	16.5	0.15	K1128	51.244	330.315	118.418	4.634	0.16037	2.41830	5	X
K06Y19C	17.0	0.15	K1128	14.975	82.383	56.846	2.948	0.12945	2.40656	5	X
K06Y19K	17.0	0.15	K1128	11.908	33.515	109.606	10.601	0.05827	2.38791	6	X
K06Y34N	18.0	0.15	K1128	70.782	47.512	17.937	4.400	0.17485	2.39792	2	X
K06Y38L	16.8	0.15	K1128	2.337	211.969	313.050	4.973	0.11615	2.38089	5	X
K06Y46K	17.0	0.15	K1128	286.897	70.919	131.408	13.244	0.07252	2.54729	3	X
K06Y51J	17.6	0.15	K1128	4.398	24.442	124.167	1.985	0.13302	2.43221	6	X
K06Y51N	16.1	0.15	K1128	266.449	108.141	146.287	14.627	0.03436	2.54600	7	X
K06Y51V	17.5	0.15	K1128	99.010	148.697	253.308	1.545	0.18851	2.33739	4	X
K06Y51Y	17.2	0.15	K1128	295.288	104.821	125.384	3.204	0.15152	2.44465	5	X
K07A01H	17.4	0.15	K1128	343.542	47.953	121.707	2.115	0.13320	2.44489	3	X
K07A01K	16.8	0.15	K1128	329.471	74.786	120.030	2.638	0.10906	2.40532	3	X
K07A03W	16.8	0.15	K1128	14.270	115.295	25.289	5.515	0.17619	2.40695	4	X
K07A06U	16.9	0.15	K1128	34.120	25.206	77.399	2.156	0.18321	2.38559	5	X
K07A10B	17.2	0.15	K1128	344.676	224.530	295.334	1.365	0.12142	2.45740	5	X
K07A10P	16.9	0.15	K1128	51.694	81.631	6.003	5.669	0.11219	2.41849	6	X
K07A11F	17.2	0.15	K1128	33.119	339.599	138.025	5.390	0.17555	2.40810	4	X
K07A17H	17.3	0.15	K1128	9.823	29.501	112.694	7.566	0.13477	2.43129	2	X
K07A17M	16.7	0.15	K1128	36.611	357.342	107.050	3.214	0.17100	2.44172	3	X
K07A18H	16.8	0.15	K1128	31.229	11.677	126.922	6.027	0.10105	2.33711	4	X
K07A18Y	17.1	0.15	K1128	17.317	334.824	139.565	2.826	0.16869	2.45379	5	X
K07A22R	17.4	0.15	K1128	344.313	281.402	235.162	1.656	0.12967	2.45648	6	X
K07A27Y	17.8	0.15	K1128	98.073	232.470	156.343	2.670	0.21973	2.41262	3	X
K07A28G	17.6	0.15	K1128	320.609	64.162	143.625	2.119	0.16436	2.39782	2	X
K07B01V	17.3	0.15	K1128	46.384	340.471	133.252	5.169	0.15186	2.34932	6	X
K07B02Y	17.4	0.15	K1128	137.081	30.144	336.720	5.579	0.08434	2.41579	4	X
K07B03H	17.6	0.15	K1128	12.401	277.353	222.959	1.395	0.17359	2.41993	4	X
K07B08N	17.4	0.15	K1128	44.293	346.862	128.449	2.200	0.13139	2.36826	6	X
K07B08U	17.3	0.15	K1128	18.071	38.919	92.181	3.310	0.13084	2.41650	4	X
K07B13S	17.3	0.15	K1128	61.729	76.472	1.590	2.609	0.18133	2.42332	4	X
K07B13V	17.3	0.15	K1128	9.661	45.481	95.030	2.564	0.13199	2.44785	4	X
K07B17F	16.6	0.15	K1128	329.512	88.947	125.005	10.501	0.14304	2.38788	4	X
K07B18S	17.3	0.15	K1128	48.570	50.332	57.848	1.908	0.14088	2.42735	6	X
K07B21R	17.8	0.15	K1128	15.534	137.782	1.875	2.332	0.15650	2.41014	5	X
K07B22F	17.0	0.15	K1128	325.812	211.943	311.111	16.147	0.09296	2.53328	3	X
K07B23L	18.1	0.15	K1128	73.510	117.681	309.338	1.773	0.18037	2.39286	4	X
K07B26Z	17.3	0.15	K1128	80.369	281.860	128.963	1.992	0.22205	2.41775	3	X
K07B29M	17.6	0.15	K1128	5.889	36.870	118.455	3.370	0.11085	2.39182	5	X
K07B30D	16.5	0.15	K1128	72.361	344.035	118.419	7.360	0.06595	2.33975	4	X
K07B30M	17.3	0.15	K1128	13.137	50.447	105.950	3.583	0.15177	2.41000	3	X
K07B33M	18.0	0.15	K1128	56.242	338.396	124.311	4.538	0.12804	2.35985	4	X
K07B36O	17.0	0.15	K1128	1.994	99.792	44.335	3.875	0.13091	2.47345	6	X
K07B41S	17.0	0.15	K1128	332.682	255.677	307.175	3.892	0.15477	2.39790	5	X
K07B42A	16.4	0.15	K1128	357.504	15.388	137.101	6.995	0.07583	2.46553	5	X
K07B42H	16.8	0.15	K1128	31.766	304.870	131.685	12.889	0.21307	2.56239	5	X
K07B42K	17.4	0.15	K1128	6.400	342.949	167.218	2.450	0.13882	2.43251	7	X
K07B46P	17.6	0.15	K1128	16.538	335.618	128.623	10.488	0.07587	2.60942	3	X
K07B57A	17.0	0.15	K1128	344.235	123.531	54.016	3.146	0.14763	2.44306	4	X
K07B57W	17.0	0.15	K1128	25.800	57.244	109.338	2.159	0.12571	2.35576	4	X
K07B61Y	17.5	0.15	K1128	92.634	40.668	8.398	1.290	0.17889	2.36925	4	X
K07B65J	17.3	0.15	K1128	285.686	127.463	147.929	7.957	0.21663	2.38346	5	X
K07B67H	17.6	0.15	K1128	4.912	161.295	327.553	5.481	0.19090	2.55722	5	X
K07B70B	17.0	0.15	K1128	86.426	296.952	137.412	5.861	0.17705	2.39124	3	X
K07B75V	17.5	0.15	K1128	66.210	58.224	9.235	1.915	0.19461	2.44930	4	X
K07B77X	17.2	0.15	K1128	297.244	261.764	333.084	5.866	0.11353	2.43353	4	X
K07B80V	17.6	0.15	K1128	296.568	102.423	130.915	3.258	0.19146	2.42407	5	X
K07BA2E	17.5	0.15	K1128	63.215	358.386	74.194	1.725	0.18056	2.46309	2	X
K07C00M	17.2	0.15	K1128	60.268	334.759	138.747	6.496	0.05362	2.30543	4	X
K07C00P	16.7	0.15	K1128	32.711	299.980	150.527	14.705	0.22047	2.49018	4	X
K07C03R	16.3	0.15	K1128	30.037	185.974	306.656	5.755	0.08057	2.39225	5	X
K07C04K	17.0	0.15	K1128	284.456	268.475	326.544	7.274	0.06586	2.45671	2	X
K07C13Y	16.6	0.15	K1128	2.251	168.277	308.973	3.476	0.13598	2.60717	6	X
K07C14Y	17.2	0.15	K1128	10.662	349.700	150.069	6.890	0.14416	2.48176	5	X
K07C17O	17.3	0.15	K1128	125.745	18.243	355.526	5.213	0.11343	2.48847	5	X
K07C17Y	17.5	0.15	K1128	52.887	54.585	52.445	2.638	0.12355	2.41145	4	X
K07C20B	17.6	0.15	K1128	14.978	48.155	84.737	3.653	0.15157	2.44726	6	X
K07C22N	17.3	0.15	K1128	15.147	23.455	118.575	3.306	0.14221	2.43609	5	X
K07C23D	18.5	0.15	K1128	338.707	22.519	158.632	4.273	0.12296	2.46488	2	X
K07C23V	17.5	0.15	K1128	14.456	326.432	147.093	11.210	0.22498	2.52343	5	X
K07C28T	17.6	0.15	K1128	39.220	156.000	273.918	0.994	0.16371	2.53327	3	X
K07C29J	16.7	0.15	K1128	107.617	230.873	132.644	15.524	0.10770	2.56213	4	X
K07C29Z	17.7	0.15	K1128	359.783	13.807	145.234	1.750	0.10926	2.43483	2	W

K07C36M	17.0	0.15	K1128	335.168	18.352	135.027	10.574	0.14006	2.57959	5	X
K07C40Z	17.2	0.15	K1128	278.458	74.033	146.754	4.075	0.14689	2.61792	5	X
K07C41J	17.6	0.15	K1128	330.405	233.713	331.106	6.174	0.11504	2.42643	3	X
K07C47R	17.8	0.15	K1128	84.668	261.991	152.506	2.549	0.20520	2.40261	6	X
K07C50C	15.3	0.15	K1128	195.392	312.363	3.078	12.851	0.18318	2.55912	4	X
K07C56Z	16.3	0.15	K1128	29.986	100.047	322.998	27.625	0.37006	2.59806	2	X
K07C61K	17.2	0.15	K1128	26.765	285.719	208.871	3.092	0.13270	2.43887	3	X
K07C64E	17.2	0.15	K1128	90.745	251.092	140.384	2.174	0.25911	2.47976	6	X
K07C79M	17.1	0.15	K1128	346.982	111.285	46.940	8.222	0.11872	2.55692	6	X
K07D04Z	17.7	0.15	K1128	255.516	107.399	165.469	3.754	0.04400	2.34298	4	X
K07D12Q	16.1	0.15	K1128	49.155	303.722	123.082	14.592	0.06350	2.69994	3	X
K07D28S	17.1	0.15	K1128	38.034	334.442	121.166	3.009	0.17065	2.55958	6	X
K07D29E	16.6	0.15	K1128	251.936	283.527	351.344	14.973	0.11483	2.55283	6	X
K07D48B	16.5	0.15	K1128	287.902	243.417	342.768	13.467	0.04375	2.56698	2	X
K07D48S	15.4	0.15	K1128	161.810	14.152	331.930	12.455	0.24523	2.56128	4	X
K07D51G	17.1	0.15	K1128	34.351	135.504	323.913	5.156	0.16372	2.53636	5	X
K07D51N	16.3	0.15	K1128	284.063	262.075	325.410	11.990	0.11056	2.53024	5	X
K07D53W	16.4	0.15	K1128	48.440	107.307	349.300	15.284	0.10689	2.58392	4	X
K07D55G	17.1	0.15	K1128	61.880	272.113	166.002	6.466	0.17867	2.47330	5	X
K07D73U	18.3	0.15	K1128	25.620	310.318	160.646	5.672	0.18906	2.55849	3	X
K07D75P	17.0	0.15	K1128	95.974	17.594	40.173	1.523	0.08360	2.54248	4	X
K07D98B	17.1	0.15	K1128	344.710	191.799	348.200	7.477	0.17220	2.55280	5	X
K07DA5V	17.0	0.15	K1128	326.336	63.392	126.007	3.796	0.04706	2.58354	6	X
K07DA6K	16.0	0.15	K1128	222.786	310.965	358.570	11.575	0.22526	2.63126	5	X
K07DB0T	17.5	0.15	K1128	339.307	90.063	135.037	2.027	0.13534	2.41408	7	X
K07E00E	17.3	0.15	K1128	37.892	165.180	281.295	1.589	0.16635	2.58928	5	X
K07E00X	16.9	0.15	K1128	47.748	78.844	297.509	18.694	0.41757	0.87143	3	X
K07E09C	17.5	0.15	K1128	316.236	211.858	6.564	8.569	0.12694	2.54967	4	X
K07E11D	16.9	0.15	K1128	0.402	123.051	45.286	1.975	0.12540	2.44883	4	X
K07E16U	17.4	0.15	K1128	303.080	156.547	66.376	3.114	0.09645	2.58853	4	X
K07E29H	16.2	0.15	K1128	259.112	282.131	347.497	8.166	0.19485	2.65593	3	X
K07E29W	16.2	0.15	K1128	128.484	345.030	24.777	7.277	0.32255	2.60288	3	X
K07E30S	17.3	0.15	K1128	43.317	281.065	140.889	7.121	0.30208	2.56157	2	X
K07E32H	16.6	0.15	K1128	220.797	144.593	157.871	12.220	0.07804	2.54954	4	X
K07E41D	17.3	0.15	K1128	108.939	214.333	166.075	3.116	0.23770	2.44144	5	X
K07E44F	17.2	0.15	K1128	1.728	9.622	184.108	10.391	0.07285	2.42423	5	X
K07E45G	15.5	0.15	K1128	140.916	13.210	11.865	15.178	0.16887	2.56932	6	X
K07E70E	17.3	0.15	K1128	341.334	43.459	150.978	5.323	0.08558	2.52134	4	X
K07E71U	16.4	0.15	K1128	320.395	169.838	20.158	7.699	0.08358	2.65052	5	X
K07E72D	17.6	0.15	K1128	146.252	211.594	162.053	4.025	0.09594	2.41259	4	X
K07E85A	17.5	0.15	K1128	345.315	44.576	122.017	6.105	0.20788	2.58345	2	X
K07E85D	16.2	0.15	K1128	265.140	276.324	351.818	12.637	0.15186	2.63150	5	X
K07E87G	16.2	0.15	K1128	310.128	59.127	167.612	6.100	0.24266	2.63007	5	X
K07E90M	17.6	0.15	K1128	266.766	96.549	176.045	3.356	0.14637	2.53305	7	X
K07E91G	16.3	0.15	K1128	44.742	331.295	111.881	13.791	0.23857	2.57313	4	X
K07EA1C	16.8	0.15	K1128	322.740	144.855	27.038	8.716	0.05251	2.71171	3	X
K07EA5J	16.8	0.15	K1128	227.351	284.627	6.956	4.276	0.14639	2.64838	5	X
K07EB1Q	16.5	0.15	K1128	316.620	174.842	33.058	5.536	0.12411	2.62373	5	X
K07EB3G	17.6	0.15	K1128	30.349	317.738	139.551	5.543	0.13035	2.56313	2	X
K07EB5A	16.8	0.15	K1128	182.385	179.352	160.843	6.398	0.03745	2.67427	6	X
K07EB6P	16.0	0.15	K1128	336.977	129.677	42.962	10.741	0.05979	2.72314	4	X
K07EB9J	17.7	0.15	K1128	351.004	88.662	80.621	2.447	0.22888	2.60228	4	X
K07EB9O	16.3	0.15	K1128	282.088	169.101	72.630	3.467	0.04556	2.67929	6	X
K07EB9Q	17.2	0.15	K1128	266.456	121.189	136.169	3.078	0.05339	2.69315	4	X
K07EC1J	16.7	0.15	K1128	312.899	68.138	130.809	13.041	0.11078	2.55779	2	X
K07EC8V	17.2	0.15	K1128	0.730	156.570	357.140	1.486	0.08176	2.55033	6	X
K07ED6M	16.7	0.15	K1128	11.760	132.279	6.331	7.844	0.15424	2.57368	5	X
K07EE6C	17.9	0.15	K1128	15.193	327.626	152.128	5.542	0.27821	2.55628	2	X
K07EF2N	16.9	0.15	K1128	160.593	237.855	105.979	4.259	0.17532	2.65508	8	X
K07EG6Q	16.9	0.15	K1128	341.985	74.900	103.170	8.419	0.25262	2.58661	4	X
K07EG7A	16.0	0.15	K1128	297.143	214.163	19.811	13.498	0.11321	2.61890	5	X
K07EG7O	15.7	0.15	K1128	298.007	260.184	308.809	10.480	0.21246	2.67409	4	X
K07EG7U	17.3	0.15	K1128	359.244	181.786	320.051	4.054	0.19360	2.59307	2	X
K07EG8W	17.2	0.15	K1128	349.029	31.819	128.639	3.477	0.08053	2.68486	6	X
K07EI0X	16.0	0.15	K1128	289.228	231.793	7.767	12.984	0.21906	2.69605	3	X
K07EJ1D	16.8	0.15	K1128	128.434	4.054	17.924	6.231	0.07226	2.69202	5	X
K07EJ3X	16.0	0.15	K1128	321.390	217.593	346.927	12.424	0.19420	2.62317	3	X
K07EK0H	17.2	0.15	K1128	333.591	151.886	32.816	12.242	0.11643	2.58052	4	X
K07EK0Y	15.3	0.15	K1128	183.220	201.256	141.308	8.792	0.20770	2.53781	5	X
K07ELOB	16.7	0.15	K1128	29.029	317.039	134.358	5.675	0.05370	2.64184	3	X
K07EL6V	16.3	0.15	K1128	288.031	141.709	111.255	13.745	0.25222	2.59630	3	X
K07EM3Q	17.2	0.15	K1128	297.033	311.654	295.950	1.682	0.21882	2.59985	5	X
K07F02N	16.2	0.15	K1128	350.603	59.669	100.721	12.276	0.14941	2.60325	6	X
K07F02X	16.0	0.15	K1128	32.731	2.354	104.302	15.031	0.19787	2.57534	3	X
K07F07C	17.0	0.15	K1128	117.564	191.731	184.529	2.655	0.19391	2.66645	3	X
K07F11M	16.7	0.15	K1128	10.828	196.980	312.492	4.318	0.23049	2.56912	4	X
K07F13X	16.7	0.15	K1128	9.143	42.515	100.459	6.339	0.14139	2.58679	3	X
K07F23G	17.1	0.15	K1128	301.731	173.650	103.460	2.423	0.15684	2.41865	5	X
K07F24G	17.2	0.15	K1128	336.986	48.304	172.750	4.931	0.04834	2.44070	6	X
K07F30V	16.5	0.15	K1128	105.658	41.417	13.918	9.621	0.05256	2.60543	4	X
K07F32H	15.8	0.15	K1128	321.720	83.105	125.108	13.594	0.21614	2.63088	4	X
K07F32O	16.3	0.15	K1128	257.236	241.241	50.896	5.736	0.09306	2.60588	5	X
K07F32W	16.7	0.15	K1128	353.083	134.741	25.015	15.070	0.15041	2.66605	4	X
K07F38F	15.9	0.15	K1128	298.656	268.791	324.642	13.296	0.26383	2.64738	4	X
K07F38Q	15.9	0.15	K1128	292.702	175.985	57.235	12.504	0.12500	2.67799	6	X
K07F38S	16.0	0.15	K1128	299.195	90.646	148.899	11.142	0.16990	2.64318	4	X

K07F43C	15.8	0.15	K1128	334.555	198.438	357.635	17.997	0.18397	2.63987	4	X
K07F43U	17.0	0.15	K1128	342.861	171.315	21.484	5.660	0.10837	2.59561	6	X
K07F47A	16.3	0.15	K1128	49.150	57.456	40.818	14.741	0.06774	2.66117	6	X
K07F49M	16.1	0.15	K1128	247.701	156.597	120.682	15.279	0.11147	2.66927	5	X
K07F49U	15.7	0.15	K1128	284.847	108.558	117.162	9.536	0.09198	2.78143	7	X
K07F49V	16.0	0.15	K1128	328.778	87.094	93.951	15.863	0.03045	2.70973	4	X
K07G19T	15.8	0.15	K1128	341.405	141.187	33.248	13.394	0.09869	2.73479	4	X
K07G22F	17.5	0.15	K1128	22.371	93.428	47.820	5.537	0.20896	2.61068	4	X
K07G23B	16.8	0.15	K1128	291.211	227.197	39.619	7.767	0.18697	2.60733	5	X
K07G32Z	16.8	0.15	K1128	39.926	330.934	144.698	5.598	0.06252	2.38797	6	X
K07G33F	15.7	0.15	K1128	297.797	158.805	84.324	11.931	0.21037	2.62480	5	X
K07G33W	16.4	0.15	K1128	357.815	101.194	49.933	9.561	0.10264	2.78243	4	X
K07G35W	16.8	0.15	K1128	281.803	194.460	68.421	4.897	0.18703	2.64277	4	X
K07G44Q	16.2	0.15	K1128	43.917	54.086	53.977	5.838	0.04966	2.76971	6	X
K07G48H	16.6	0.15	K1128	309.765	203.181	58.433	6.699	0.15765	2.54701	8	X
K07G50F	15.9	0.15	K1128	323.969	203.679	15.124	14.084	0.11792	2.58752	2	X
K07G51G	17.2	0.15	K1128	357.710	83.020	117.237	3.829	0.08742	2.55151	5	X
K07G52Z	17.5	0.15	K1128	5.099	120.987	25.247	12.782	0.20476	2.63046	4	X
K07G55C	15.8	0.15	K1128	29.302	314.926	148.368	7.583	0.12304	2.78334	3	X
K07G67L	16.4	0.15	K1128	34.596	82.070	37.683	4.417	0.05027	2.77250	7	X
K07G74J	17.2	0.15	K1128	354.929	71.911	91.489	6.714	0.28184	2.58949	3	X
K07G74P	15.8	0.15	K1128	337.528	36.637	131.686	13.804	0.07747	2.77020	5	X
K07G74X	16.3	0.15	K1128	330.078	67.483	131.725	17.471	0.16647	2.63432	2	X
K07G75D	16.5	0.15	K1128	278.957	213.736	76.007	5.564	0.08202	2.56345	6	X
K07G77L	17.1	0.15	K1128	301.961	70.720	168.714	9.409	0.16245	2.64540	3	X
K07H00L	15.3	0.15	K1128	102.898	248.649	84.572	12.572	0.07032	3.11626	5	X
K07H01N	16.2	0.15	K1128	271.090	243.112	31.243	13.234	0.24734	2.66973	3	X
K07H05U	17.1	0.15	K1128	346.781	41.111	141.372	5.719	0.18538	2.56007	5	X
K07H06K	15.9	0.15	K1128	288.032	141.236	99.569	8.402	0.17879	2.67578	6	X
K07H07F	15.6	0.15	K1128	291.984	175.583	70.644	13.471	0.19236	2.66119	6	X
K07H13G	16.3	0.15	K1128	340.669	50.112	143.249	5.069	0.16295	2.62795	6	X
K07H22A	17.3	0.15	K1128	230.894	220.414	68.288	3.257	0.12262	2.83661	4	X
K07H26W	16.5	0.15	K1128	328.536	155.163	58.390	4.390	0.12699	2.62512	7	X
K07H31Z	17.0	0.15	K1128	257.695	309.213	334.672	1.548	0.17943	2.69911	6	X
K07H40B	16.7	0.15	K1128	334.106	139.285	47.575	12.830	0.09696	2.64674	4	X
K07H46E	16.0	0.15	K1128	281.444	160.497	85.255	6.131	0.07553	2.73780	7	X
K07H56P	16.7	0.15	K1128	297.986	95.487	168.088	12.718	0.23529	2.62307	3	X
K07H57V	16.3	0.15	K1128	296.797	119.885	127.508	4.391	0.16918	2.64017	8	X
K07H73X	16.7	0.15	K1128	341.089	26.621	171.267	12.352	0.17552	2.61875	4	X
K07H76W	16.3	0.15	K1128	269.847	184.019	68.309	10.408	0.13019	2.76678	5	X
K07H85T	16.3	0.15	K1128	249.571	245.254	75.234	12.302	0.20386	2.62966	4	X
K07H90L	16.3	0.15	K1128	277.362	163.218	96.778	12.863	0.15170	2.68243	4	X
K07H92Z	15.7	0.15	K1128	236.593	205.124	79.292	5.471	0.03294	2.80588	5	X
K07J09E	17.3	0.15	K1128	345.595	11.684	157.700	5.031	0.32884	2.62528	3	X
K07J13A	16.6	0.15	K1128	289.369	112.812	192.914	11.807	0.30460	2.57391	4	X
K07J16K	15.8	0.15	K1128	295.809	124.929	117.926	15.461	0.17726	2.66346	3	X
K07J17K	17.0	0.15	K1128	262.930	63.337	208.148	3.501	0.12269	2.77832	7	X
K07J19U	16.2	0.15	K1128	305.976	139.424	83.077	15.234	0.19656	2.69145	4	X
K07J22V	16.5	0.15	K1128	323.412	146.902	49.522	13.011	0.15676	2.75689	3	X
K07J25S	16.7	0.15	K1128	355.925	56.139	93.946	8.680	0.16415	2.79881	6	X
K07J37Z	16.9	0.15	K1128	246.339	260.204	19.582	4.167	0.17795	2.78203	6	X
K07J43E	15.6	0.15	K1128	287.961	175.119	74.838	13.406	0.25709	2.77263	6	X
K07L05H	16.1	0.15	K1128	226.711	180.478	124.834	14.328	0.12094	2.80334	7	X
K07L12N	16.6	0.15	K1128	345.400	74.648	100.957	3.853	0.11726	2.74523	4	X
K07L17N	15.9	0.15	K1128	184.369	270.877	57.677	9.108	0.08725	2.93457	6	X
K07L21Y	16.2	0.15	K1128	207.059	150.220	175.358	13.967	0.21536	2.98621	5	X
K07L24J	17.1	0.15	K1128	281.892	141.341	103.865	2.503	0.14533	2.80832	4	X
K07M16X	15.8	0.15	K1128	181.224	170.224	161.024	12.062	0.08057	3.00856	5	X
K07N02F	15.8	0.15	K1128	303.228	107.103	152.217	12.410	0.23510	2.65722	6	X
K07O04F	15.6	0.15	K1128	240.681	146.220	175.400	17.614	0.26131	3.11642	5	X
K07RL5Z	15.5	0.15	K1128	244.302	139.053	193.986	10.594	0.11640	3.14428	5	X
K07TE3Q	15.6	0.15	K1128	284.032	268.753	12.196	25.634	0.22474	3.09988	3	X
K07TT1A	15.5	0.15	K1128	291.268	94.986	157.260	16.343	0.14007	3.07842	5	X
K07TX7V	14.8	0.15	K1128	274.933	259.880	5.252	24.304	0.19197	3.21617	5	X
K08CJ5F	18.3	0.15	K1128	292.858	220.991	14.740	5.234	0.06289	2.12677	4	X
K08D23B	16.9	0.15	K1128	136.489	220.236	157.628	23.594	0.06556	1.98894	5	X
K08E21T	17.3	0.15	K1128	288.277	205.436	17.213	4.681	0.10443	2.22296	6	X
K08E25Q	17.3	0.15	K1128	301.116	141.495	61.582	7.194	0.11220	2.21823	6	X
K08E28W	17.9	0.15	K1128	291.753	78.759	150.822	4.660	0.11495	2.19772	5	X
K08E54S	17.8	0.15	K1128	294.582	65.853	162.945	7.252	0.12539	2.18217	4	X
K08F40E	17.4	0.15	K1128	224.721	178.148	112.754	2.795	0.07995	2.23211	5	X
K08F60S	17.1	0.15	K1128	294.022	92.153	139.257	6.023	0.14631	2.21270	4	X
K08F66B	17.9	0.15	K1128	322.123	143.656	42.268	3.227	0.09533	2.26356	3	X
K08F84K	18.1	0.15	K1128	71.944	77.206	348.504	5.062	0.08513	2.14778	5	X
K08FA5A	17.1	0.15	K1128	269.811	195.299	52.540	9.667	0.09875	2.29462	6	X
K08FC6X	17.5	0.15	K1128	66.369	301.867	145.621	7.659	0.08915	2.23520	5	X
K08FD7P	17.7	0.15	K1128	243.403	132.636	154.513	3.014	0.22665	2.21926	5	X
K08G18J	17.3	0.15	K1128	224.345	189.860	88.811	4.625	0.03296	2.16190	6	X
K08G38Z	17.8	0.15	K1128	237.907	138.819	162.945	4.226	0.17016	2.25813	5	X
K08G42O	16.6	0.15	K1128	255.374	196.748	81.506	5.214	0.15553	2.21996	7	X
K08G50Z	18.1	0.15	K1128	328.534	20.856	173.165	4.528	0.07040	2.14283	5	X
K08G68J	17.6	0.15	K1128	11.916	37.734	101.791	5.191	0.08350	2.23434	4	X
K08G75S	17.7	0.15	K1128	256.986	192.564	72.997	7.373	0.10973	2.24189	5	X
K08G84F	17.0	0.15	K1128	240.499	212.048	74.394	6.505	0.10808	2.23647	6	X
K08GA1A	17.4	0.15	K1128	180.274	316.813	39.563	6.714	0.08762	2.18314	3	X
K08GE0P	17.9	0.15	K1128	83.233	262.472	167.384	6.968	0.05526	2.22367	5	X

K08H54Y	18.7	0.15	K1128	342.600	81.247	97.160	4.085	0.18395	2.20211	4	X
K08H64M	17.5	0.15	K1128	253.621	148.865	139.454	8.476	0.34328	2.26444	5	X
K08J21U	16.8	0.15	K1128	89.564	270.950	138.096	7.371	0.16886	2.36719	6	X
K08K07F	16.2	0.15	K1128	81.459	253.516	124.744	13.242	0.16187	2.88415	4	X
K08K20B	17.4	0.15	K1128	262.238	148.160	121.186	3.643	0.14537	2.26909	6	X
K08L10L	17.6	0.15	K1128	0.885	38.823	115.333	5.810	0.08729	2.29762	6	X
K08O00H	16.2	0.15	K1128	217.312	197.841	122.837	3.812	0.18010	2.51909	6	X
K08O19P	17.1	0.15	K1128	273.722	87.200	171.032	6.657	0.08927	2.64717	4	X
K08O19S	17.2	0.15	K1128	226.252	137.448	158.550	5.396	0.14359	2.73091	4	X
K08O23T	16.9	0.15	K1128	210.515	161.353	158.069	3.888	0.12653	2.74704	5	X
K08O24B	17.1	0.15	K1128	305.691	82.559	155.703	7.756	0.10392	2.54632	4	X
K08P04O	15.5	0.15	K1128	106.093	31.083	10.308	8.929	0.11172	3.00597	7	X
K08P14J	17.3	0.15	K1128	239.540	133.846	155.062	4.696	0.20148	2.61689	4	X
K08P14O	16.7	0.15	K1128	197.232	170.345	153.343	5.622	0.10831	2.80692	4	X
K08P15Z	16.9	0.15	K1128	208.446	162.837	148.963	3.937	0.21301	2.69046	5	X
K08P19Q	16.4	0.15	K1128	77.226	80.638	345.558	6.601	0.05491	3.17649	6	X
K08Q08L	16.4	0.15	K1128	238.001	331.858	324.719	3.523	0.13399	2.62404	7	X
K08Q10P	16.2	0.15	K1128	230.898	312.250	344.726	8.771	0.13540	2.75901	3	X
K08Q19L	15.7	0.15	K1128	173.293	2.582	333.600	18.933	0.16815	3.05025	4	X
K08Q24O	16.6	0.15	K1128	252.079	280.691	340.806	9.060	0.03586	2.91277	4	X
K08Q26E	15.8	0.15	K1128	274.122	265.287	346.069	14.063	0.14062	2.62738	5	X
K08Q35K	16.2	0.15	K1128	170.246	116.464	245.487	5.125	0.09597	2.84925	7	X
K08Q36P	17.1	0.15	K1128	229.089	134.133	172.274	2.923	0.15579	2.63762	7	X
K08Q38Z	15.7	0.15	K1128	31.581	158.739	341.526	10.994	0.01992	2.97294	5	X
K08Q44V	15.4	0.15	K1128	144.551	207.771	153.406	10.695	0.07825	3.11286	5	X
K08R02P	16.1	0.15	K1128	174.840	351.942	341.596	10.733	0.09816	3.14663	6	X
K08R04A	16.2	0.15	K1128	228.911	298.155	348.463	9.876	0.08550	3.00947	4	X
K08R11S	17.1	0.15	K1128	314.014	70.014	164.501	12.025	0.15275	2.60495	7	X
K08R22R	16.4	0.15	K1128	179.584	168.602	174.043	11.953	0.16273	2.81199	4	X
K08R32U	16.7	0.15	K1128	238.824	278.709	7.805	2.875	0.16421	2.78714	5	X
K08R44C	17.7	0.15	K1128	287.354	111.969	142.588	1.248	0.22988	2.58975	4	X
K08R47S	16.2	0.15	K1128	249.857	291.088	342.249	13.008	0.14156	2.67444	4	X
K08R58J	16.5	0.15	K1128	255.568	111.644	166.898	5.546	0.10361	2.77974	3	X
K08R65O	16.0	0.15	K1128	199.591	226.672	84.982	2.982	0.02673	3.11958	8	X
K08R66J	15.6	0.15	K1128	93.204	349.444	91.551	3.314	0.01760	2.91656	7	X
K08R69C	16.3	0.15	K1128	199.331	329.058	356.855	20.899	0.14279	2.98875	4	X
K08R71P	16.5	0.15	K1128	57.957	312.023	156.501	13.739	0.01711	2.73848	4	X
K08R72D	16.2	0.15	K1128	283.834	88.387	160.847	14.590	0.06341	2.64359	6	X
K08R88P	15.4	0.15	K1128	187.534	3.991	332.749	10.468	0.08260	3.06760	6	X
K08R95X	16.5	0.15	K1128	210.417	162.678	171.488	12.815	0.14592	2.62032	6	X
K08R95Y	15.2	0.15	K1128	256.789	279.581	319.045	10.450	0.04491	3.10486	5	X
K08RA7E	16.2	0.15	K1128	264.007	84.461	193.368	10.697	0.06624	2.97592	6	X
K08RB0K	16.1	0.15	K1128	324.022	344.298	218.841	2.323	0.05459	3.00467	7	X
K08RC3N	16.6	0.15	K1128	251.275	96.336	179.745	1.669	0.03476	2.89823	4	X
K08RD6N	16.3	0.15	K1128	281.139	121.390	139.499	5.009	0.06384	2.80699	7	X
K08RD8F	14.9	0.15	K1128	58.128	94.105	351.876	21.916	0.12923	3.20649	5	X
K08S13P	16.4	0.15	K1128	160.667	198.035	162.851	5.830	0.05851	2.80370	5	X
K08S19X	16.3	0.15	K1128	95.934	225.096	190.180	5.296	0.11863	3.11945	2	W
K08S31F	17.9	0.15	K1128	300.273	91.972	187.532	5.211	0.17875	2.26602	6	X
K08S36P	15.8	0.15	K1128	153.099	197.557	169.629	11.741	0.11869	2.98402	4	X
K08S39C	15.8	0.15	K1128	274.254	235.676	25.859	8.960	0.04566	2.99843	6	X
K08S44Q	16.1	0.15	K1128	143.870	159.403	214.039	1.811	0.09712	3.15506	7	X
K08S52U	16.2	0.15	K1128	276.558	245.839	12.600	8.851	0.13337	2.85684	4	X
K08S55P	16.9	0.15	K1128	279.192	246.535	17.436	2.628	0.16953	2.75773	4	X
K08S62V	16.3	0.15	K1128	207.637	318.686	346.495	5.883	0.05600	3.15791	5	X
K08S65G	15.8	0.15	K1128	236.254	274.764	24.815	9.322	0.04715	3.17405	4	X
K08S68C	15.8	0.15	K1128	242.603	138.021	170.407	9.990	0.16378	2.70464	4	X
K08S71B	15.4	0.15	K1128	275.228	233.234	22.092	10.445	0.09573	2.99960	7	X
K08S82B	15.6	0.15	K1128	64.976	349.892	108.527	4.267	0.06699	3.21276	7	X
K08SD6O	15.2	0.15	K1128	69.381	92.580	333.407	7.704	0.14774	3.97060	5	X
K08SE5W	15.6	0.15	K1128	102.591	243.878	157.842	8.942	0.06442	3.14660	4	X
K08SE9J	15.3	0.15	K1128	257.190	287.940	333.844	8.722	0.04212	3.11102	2	X
K08SF5K	15.6	0.15	K1128	217.803	243.916	73.041	4.992	0.06413	2.95948	7	X
K08SF9D	15.6	0.15	K1128	205.249	319.988	350.260	5.842	0.12369	3.06909	6	X
K08SG1G	15.2	0.15	K1128	101.213	46.611	12.376	15.700	0.07632	3.21751	2	X
K08SI8A	15.9	0.15	K1128	73.421	119.158	310.538	2.235	0.18100	4.00753	5	X
K08SP5K	16.0	0.15	K1128	186.394	204.465	155.225	9.695	0.12678	2.97730	4	X
K08SP5R	15.7	0.15	K1128	239.543	150.086	131.567	4.993	0.11804	3.18688	2	X
K08SR3U	16.5	0.15	K1128	266.449	118.102	141.591	1.026	0.03462	2.99119	3	X
K08SR8Z	14.8	0.15	K1128	252.519	204.735	66.085	10.964	0.02950	3.56887	3	X
K08SS8S	15.6	0.15	K1128	194.921	191.349	159.148	10.404	0.09580	2.98837	6	X
K08ST8V	16.2	0.15	K1128	205.735	311.154	51.441	6.865	0.02160	2.70096	7	X
K08T06Q	16.2	0.15	K1128	227.252	227.449	106.098	5.248	0.25882	2.66815	5	X
K08T07F	15.1	0.15	K1128	60.833	92.426	13.888	16.161	0.03240	3.12804	6	X
K08T07N	16.0	0.15	K1128	213.304	302.089	9.316	10.077	0.06633	3.03612	4	X
K08T07Q	16.1	0.15	K1128	295.451	215.625	19.303	14.606	0.07951	2.97563	5	X
K08T17Y	15.7	0.15	K1128	206.579	303.043	29.509	7.351	0.18521	3.02646	5	X
K08T19R	16.4	0.15	K1128	225.822	273.366	37.839	12.271	0.21924	2.97461	3	X
K08T26E	15.4	0.15	K1128	186.749	321.620	11.561	27.745	0.15439	3.16566	4	X
K08T54O	15.3	0.15	K1128	341.969	178.900	17.603	9.811	0.03547	3.06552	4	X
K08T59J	15.7	0.15	K1128	264.030	242.580	30.434	10.441	0.06545	3.02398	5	X
K08T60G	16.0	0.15	K1128	157.493	349.772	6.634	1.091	0.08570	3.12937	6	X
K08T77D	16.5	0.15	K1128	212.872	149.923	167.845	1.810	0.11037	2.94549	4	X
K08T78Z	17.4	0.15	K1128	243.930	125.864	176.671	3.856	0.23792	2.64371	3	X
K08T91U	16.3	0.15	K1128	245.618	140.284	166.236	8.546	0.15528	2.72456	7	X
K08TA6G	15.1	0.15	K1128	70.426	59.916	16.737	3.281	0.16818	3.97594	7	X



K08TC0T	16.5	0.15	K1128	233.047	222.343	104.326	5.280	0.18987	2.63288	5	X
K08TE0K	15.2	0.15	K1128	290.270	240.775	355.958	15.203	0.04589	3.04332	6	X
K08TE8G	16.7	0.15	K1128	335.022	152.199	52.297	3.524	0.05264	2.95312	4	X
K08U32G	16.2	0.15	K1128	212.688	122.731	196.708	5.177	0.15013	3.17328	5	X
K08UD8D	16.2	0.15	K1128	312.794	193.564	48.287	6.766	0.12407	3.07134	6	X
K08UG3C	16.1	0.15	K1128	227.108	314.314	30.643	26.494	0.12865	2.69603	6	X
K08UG6M	16.2	0.15	K1128	225.690	257.598	57.604	4.913	0.03576	3.23258	5	X
K08UK5B	14.3	0.15	K1128	167.450	239.101	108.528	22.736	0.09514	3.20272	7	X
K08UY6W	16.6	0.15	K1128	209.213	8.429	311.259	0.738	0.09884	3.04222	5	X
K08UZ4S	15.4	0.15	K1128	278.453	206.751	64.435	14.690	0.23263	3.08359	5	X
K08WC7V	15.5	0.15	K1128	240.137	201.235	116.127	4.892	0.19929	2.90384	6	X
K08X13U	15.1	0.15	K1128	282.332	235.159	35.664	12.103	0.09362	3.19981	5	X
K09P20A	17.8	0.15	K1128	83.652	74.611	340.714	4.224	0.20721	2.46060	3	X
K09Q00W	15.5	0.15	K1128	130.687	314.379	33.678	8.355	0.36014	2.65562	6	X
K09Q01G	17.5	0.15	K1128	117.073	251.444	123.817	4.107	0.18188	2.31594	5	X
K09Q14Y	16.9	0.15	K1128	48.628	269.951	189.558	4.038	0.11845	2.36944	7	X
K09Q23P	16.8	0.15	K1128	113.888	297.738	84.208	2.880	0.24064	2.39700	6	X
K09Q28H	17.2	0.15	K1128	42.369	117.757	330.483	5.875	0.13504	2.33622	6	X
K09Q32K	17.7	0.15	K1128	84.151	266.706	144.719	3.201	0.17696	2.37477	4	X
K09Q45C	17.7	0.15	K1128	97.652	177.332	224.747	1.560	0.20726	2.43584	6	X
K09Q46J	17.5	0.15	K1128	103.040	76.071	324.021	0.686	0.18731	2.40478	4	X
K09Q50X	17.2	0.15	K1128	137.031	11.476	356.739	7.416	0.14361	2.21989	4	X
K09Q53E	16.4	0.15	K1128	108.859	54.780	301.773	9.753	0.14794	2.79765	2	X
K09R00B	15.1	0.15	K1128	165.191	290.011	52.455	14.189	0.21643	2.58045	6	X
K09R08O	16.6	0.15	K1128	40.520	212.930	238.260	1.748	0.29179	3.11375	5	X
K09R12H	17.0	0.15	K1128	338.287	353.972	175.512	2.591	0.14606	2.44659	7	X
K09R28U	18.0	0.15	K1128	139.362	190.270	170.266	6.680	0.13444	2.28067	4	X
K09R59H	17.7	0.15	K1128	134.929	197.768	167.820	3.964	0.15741	2.38711	5	X
K09R65B	17.5	0.15	K1128	67.918	249.439	178.309	2.716	0.12484	2.77063	7	X
K09R74S	16.6	0.15	K1128	70.898	69.021	354.062	5.630	0.12091	2.67999	3	W
K09R75A	17.5	0.15	K1128	41.107	115.481	352.312	5.206	0.06936	2.24127	5	X
K09S12V	16.8	0.15	K1128	36.031	101.993	353.368	13.542	0.14027	2.64264	5	X
K09S18S	16.5	0.15	K1128	96.265	56.611	325.127	14.231	0.20432	2.41246	6	X
K09S21Z	15.9	0.15	K1128	21.888	142.251	333.778	14.064	0.24304	3.17020	3	X
K09S30V	17.6	0.15	K1128	354.549	343.712	180.164	8.040	0.04654	2.29943	4	X
K09S31B	17.8	0.15	K1128	79.642	326.098	95.566	1.938	0.07465	2.55902	5	X
K09S34T	17.3	0.15	K1128	287.634	234.747	3.101	7.652	0.06632	2.19557	3	X
K09S39L	15.5	0.15	K1128	22.749	109.967	10.066	7.448	0.10263	2.73089	6	X
K09S40S	16.7	0.15	K1128	68.328	42.091	16.060	1.826	0.20584	3.05709	4	X
K09S42K	17.0	0.15	K1128	356.916	189.999	342.223	6.835	0.06878	2.28097	4	X
K09S52T	17.1	0.15	K1128	153.991	11.828	343.397	6.050	0.13362	2.36244	2	X
K09S71Y	18.2	0.15	K1128	78.928	71.841	346.927	5.471	0.09925	2.48705	4	X
K09S78X	15.7	0.15	K1128	47.575	89.827	343.767	12.027	0.27346	3.18814	2	X
K09S84N	17.3	0.15	K1128	34.546	332.875	137.143	2.061	0.13467	2.38009	5	X
K09S86N	16.7	0.15	K1128	90.796	107.924	296.497	3.556	0.12159	2.68571	5	X
K09SA4H	15.2	0.15	K1128	173.799	308.405	26.102	13.903	0.21115	2.56252	5	X
K09SA7L	16.6	0.15	K1128	92.796	110.066	298.353	1.986	0.19113	2.65788	4	X
K09SC0R	16.8	0.15	K1128	69.992	173.517	241.962	2.791	0.09053	2.76849	7	X
K09SC9G	17.6	0.15	K1128	68.134	54.074	39.821	3.036	0.08627	2.36371	3	X
K09SC9M	16.7	0.15	K1128	28.024	110.467	25.140	7.506	0.07049	2.32600	4	X
K09SD5G	17.8	0.15	K1128	246.250	303.029	327.418	2.536	0.05905	2.28977	7	X
K09SF8O	17.1	0.15	K1128	71.842	71.405	346.807	5.669	0.17539	2.97103	4	X
K09SG0O	15.6	0.15	K1128	22.382	98.474	18.057	15.884	0.22220	3.16200	3	X
K09SG7C	16.9	0.15	K1128	38.012	87.378	2.204	4.905	0.23916	3.05945	4	X
K09SH0U	16.1	0.15	K1128	98.871	354.393	44.045	10.552	0.22075	2.68115	5	X
K09SH3B	17.4	0.15	K1128	312.645	231.760	321.679	5.421	0.10262	2.30634	4	X
K09SK0N	17.7	0.15	K1128	113.835	75.142	311.955	2.132	0.09084	2.52679	4	X
K09SK9Q	17.5	0.15	K1128	125.493	344.536	24.429	2.944	0.18060	2.43854	5	X
K09SN0R	15.2	0.15	K1128	64.797	29.106	36.810	17.362	0.18969	3.18012	6	X
K09SN4P	15.8	0.15	K1128	71.134	335.477	93.996	14.102	0.09475	2.67804	4	X
K09SP2C	17.6	0.15	K1128	77.514	51.708	39.334	7.176	0.06764	2.36327	4	X
K09SP3C	16.8	0.15	K1128	169.115	170.676	182.718	1.745	0.04854	2.69973	8	X
K09SS9Q	17.5	0.15	K1128	133.561	246.476	131.260	3.533	0.06332	2.41602	7	X
K09SW0D	15.0	0.15	K1128	45.059	53.050	57.640	10.502	0.06949	3.09338	4	X
K09SX0A	16.5	0.15	K1128	135.435	357.398	357.245	13.606	0.18589	2.58502	5	X
K09SX3J	17.7	0.15	K1128	126.093	0.094	6.755	2.469	0.19565	2.45940	5	X
K09SX3V	17.3	0.15	K1128	90.263	22.429	50.728	5.054	0.09670	2.29799	5	X
K09SX9T	15.3	0.15	K1128	26.618	70.904	61.516	9.922	0.04559	3.01699	5	X
K09SY4R	17.5	0.15	K1128	60.552	260.140	178.015	5.112	0.09150	2.70692	6	X
K09SY7K	13.4	0.15	K1128	359.068	352.640	85.633	9.166	0.14199	5.17270	5	X
K09SY7V	13.7	0.15	K1128	349.327	207.438	241.073	1.564	0.08318	5.10034	4	X
K09SZ5B	13.9	0.15	K1128	12.282	155.806	266.717	5.708	0.14359	5.17721	4	X
K09SZ5X	16.9	0.15	K1128	61.994	52.193	31.688	4.310	0.11682	2.99484	4	X
K09T03V	16.3	0.15	K1128	112.885	0.962	21.431	23.268	0.16698	2.44601	4	X
K09T04Z	17.3	0.15	K1128	138.671	347.849	23.803	6.574	0.10966	2.37380	4	X
K09T09J	17.9	0.15	K1128	168.346	154.184	197.197	3.247	0.16554	2.25971	4	X
K09T11P	16.5	0.15	K1128	115.589	322.701	59.128	7.937	0.05957	2.70954	5	X
K09T15U	12.5	0.15	K1128	8.971	346.143	82.410	9.469	0.10453	5.28674	3	X
K09T17H	16.6	0.15	K1128	139.153	228.570	127.066	4.439	0.23798	2.58105	4	X
K09T23J	16.0	0.15	K1128	153.740	309.728	41.349	9.402	0.10147	2.61482	6	X
K09T26A	17.3	0.15	K1128	173.753	129.343	204.947	1.858	0.08872	2.42151	7	X
K09T27G	15.8	0.15	K1128	137.269	269.338	91.933	12.162	0.07938	2.68514	4	X
K09T27K	16.6	0.15	K1128	121.875	238.083	137.080	4.911	0.14971	2.65831	5	X
K09T33X	15.6	0.15	K1128	71.551	84.390	310.927	10.437	0.11532	3.11083	3	X
K09T36J	17.2	0.15	K1128	148.763	356.121	8.169	2.495	0.20731	2.37316	5	X
K09T38O	15.2	0.15	K1128	106.099	223.843	152.722	15.411	0.30265	3.06516	5	X

K09T42O	15.8	0.15	K1128	54.846	80.789	4.886	7.702	0.12612	3.08383	4 X
K09T46Y	16.0	0.15	K1128	80.601	65.647	359.602	12.796	0.13763	2.74531	5 X
K09T47S	18.1	0.15	K1128	192.146	179.979	141.347	4.397	0.18179	2.18921	4 X
K09U04S	17.0	0.15	K1128	51.024	108.829	352.302	5.111	0.09813	2.68302	4 X
K09U20N	16.5	0.15	K1128	123.987	7.800	15.828	22.692	0.03495	2.57975	5 X
K09U21Q	17.5	0.15	K1128	39.141	341.956	140.578	6.405	0.17391	2.52665	3 X
K09U25N	16.8	0.15	K1128	135.351	170.096	207.448	3.467	0.11708	2.58917	3 X
K09U29K	16.4	0.15	K1128	88.029	182.262	215.183	2.864	0.20856	3.10628	4 X
K09U29Q	16.5	0.15	K1128	57.361	33.190	44.458	0.210	0.14581	3.16424	4 X
K09U35C	15.7	0.15	K1128	39.540	57.078	56.380	4.389	0.06829	2.97681	6 X
K09U35N	16.6	0.15	K1128	89.307	344.254	67.675	1.080	0.20688	3.03620	6 X
K09U35Q	16.7	0.15	K1128	149.491	84.965	266.783	1.000	0.24494	2.59296	7 X
K09U68H	16.6	0.15	K1128	169.082	189.841	121.348	5.381	0.07978	2.79952	8 X
K09U80X	16.7	0.15	K1128	115.924	14.533	4.990	2.448	0.15743	2.67963	7 X
K09U83Z	16.4	0.15	K1128	23.096	73.534	72.363	4.734	0.14073	2.76797	4 X
K09U88T	15.4	0.15	K1128	96.677	10.404	27.018	9.910	0.09962	3.03324	5 X
K09U95X	16.6	0.15	K1128	45.873	294.318	176.577	3.459	0.05561	2.50974	6 X
K09U99X	16.3	0.15	K1128	2.375	67.537	82.731	4.030	0.10964	2.88821	4 X
K09UA2E	16.2	0.15	K1128	66.410	23.597	51.822	15.941	0.11919	2.87999	3 W
K09UA9G	16.5	0.15	K1128	40.844	274.323	188.927	2.508	0.06860	2.98804	6 X
K09UB0S	16.8	0.15	K1128	120.814	139.190	244.561	1.011	0.07606	2.86476	7 X
K09UD6S	15.3	0.15	K1128	49.626	30.094	63.619	14.835	0.18757	3.21708	5 X
K09UD8B	16.4	0.15	K1128	71.749	245.696	180.215	4.712	0.22293	3.05375	4 X
K09UE1T	16.9	0.15	K1128	315.074	357.947	221.173	5.570	0.07548	2.99001	7 X
K09UF2K	14.8	0.15	K1128	16.553	343.966	133.143	9.534	0.22178	3.29300	4 X
K09UF2P	15.8	0.15	K1128	35.859	117.747	333.197	7.748	0.28189	3.96814	4 X
K09UF5E	17.2	0.15	K1128	21.067	108.901	30.371	5.450	0.06588	2.34577	3 W
K09V01H	15.9	0.15	K1128	222.750	262.391	34.007	15.295	0.10612	2.56971	6 X
K09V08A	17.5	0.15	K1128	196.310	308.928	32.244	2.431	0.14699	2.16529	5 X
K09V17P	17.2	0.15	K1128	74.016	273.351	164.059	1.729	0.03509	2.62250	4 X
K09V27B	16.0	0.15	K1128	29.031	138.466	313.281	1.693	0.20307	3.94171	4 X
K09V31F	16.8	0.15	K1128	206.154	295.888	22.612	6.433	0.15322	2.31915	6 X
K09V32U	15.1	0.15	K1128	85.493	22.734	41.328	10.316	0.07683	2.99909	4 X
K09V37W	16.9	0.15	K1128	125.423	290.885	84.338	2.103	0.10941	2.68072	5 X
K09V43F	16.3	0.15	K1128	155.577	221.288	125.069	2.858	0.19953	2.60721	5 X
K09V44N	15.6	0.15	K1128	215.355	237.142	71.403	15.828	0.13845	2.58445	9 X
K09V44X	15.5	0.15	K1128	129.016	290.228	81.865	10.685	0.07756	2.97876	7 X
K09V45F	15.4	0.15	K1128	80.738	43.111	26.351	7.668	0.06105	2.98397	4 X
K09V45L	16.3	0.15	K1128	151.617	31.255	324.296	3.594	0.08142	2.81323	8 X
K09V47J	17.1	0.15	K1128	277.756	149.144	108.435	3.452	0.17880	2.30009	3 X
K09V48G	17.4	0.15	K1128	339.856	48.275	146.847	3.630	0.07502	2.53777	6 X
K09V57V	16.1	0.15	K1128	28.999	44.841	74.620	11.159	0.16046	3.17090	5 X
K09V58L	17.0	0.15	K1128	119.288	200.747	193.556	5.046	0.08363	2.65790	3 X
K09V66B	17.1	0.15	K1128	338.736	184.967	5.950	2.647	0.12343	2.69382	6 X
K09V71C	15.9	0.15	K1128	68.503	170.814	280.920	4.298	0.11540	2.96126	5 X
K09V76C	17.2	0.15	K1128	94.008	4.939	88.784	4.743	0.09407	2.38680	3 X
K09V80P	15.1	0.15	K1128	71.558	263.524	155.862	26.043	0.25624	3.22684	4 X
K09V92D	16.2	0.15	K1128	66.457	82.195	1.161	1.890	0.10813	2.99875	6 X
K09V94K	16.3	0.15	K1128	176.444	256.083	56.924	9.901	0.19700	2.90000	6 X
K09V94U	16.5	0.15	K1128	108.893	15.311	36.039	3.875	0.05163	2.75306	6 X
K09V95W	16.7	0.15	K1128	221.393	67.976	224.805	2.038	0.06101	2.63270	5 X
K09V99Q	15.6	0.15	K1128	49.993	41.567	61.706	10.611	0.08510	3.12963	4 X
K09VA8E	14.5	0.15	K1128	26.973	50.721	68.206	15.528	0.10772	3.41981	7 X
K09VB1L	14.7	0.15	K1128	81.434	341.773	71.337	11.261	0.12350	3.41413	4 X
K09VB6R	15.2	0.15	K1128	181.213	233.877	93.453	11.201	0.09885	2.96796	7 X
K09W14Z	16.0	0.15	K1128	68.829	310.827	132.433	3.929	0.04125	3.10653	9 X
K09W15X	16.9	0.15	K1128	169.093	287.514	80.751	4.627	0.05720	2.35536	6 X
K09W26M	15.6	0.15	K1128	338.386	149.863	25.235	11.102	0.06465	2.98607	5 X
K09W27F	17.0	0.15	K1128	209.431	17.928	287.919	1.746	0.07094	2.62406	7 X
K09W28V	15.5	0.15	K1128	342.011	100.655	67.224	10.228	0.04048	3.04177	6 X
K09W33P	15.2	0.15	K1128	247.863	182.286	78.966	11.010	0.05892	3.15370	5 X
K09W35Y	16.9	0.15	K1128	1.810	115.250	37.905	13.548	0.10048	2.54013	6 X
K09W44F	18.0	0.15	K1128	261.589	271.540	0.867	5.400	0.11744	2.22229	4 X
K09W46G	15.5	0.15	K1128	100.967	316.018	84.162	14.670	0.11683	2.94270	5 X
K09W47A	15.8	0.15	K1128	71.066	4.049	74.455	16.322	0.11084	2.86250	2 X
K09W50M	15.5	0.15	K1128	29.374	13.828	98.662	9.911	0.09334	3.06150	2 X
K09W60E	15.5	0.15	K1128	16.908	40.939	76.795	9.759	0.18083	3.97474	4 X
K09W62P	16.7	0.15	K1128	102.762	229.029	183.358	4.697	0.06424	2.77492	6 X
K09W71O	16.2	0.15	K1128	27.711	25.157	94.471	2.660	0.01011	3.02751	7 X
K09W75Q	16.9	0.15	K1128	142.191	208.879	166.134	2.473	0.10316	2.64929	6 X
K09W76U	16.6	0.15	K1128	103.032	40.507	4.578	4.400	0.08117	3.02871	4 X
K09W77F	16.7	0.15	K1128	165.588	323.709	26.538	5.932	0.16834	2.59462	6 X
K09W78G	16.4	0.15	K1128	124.888	35.633	340.968	2.863	0.11651	3.05570	6 X
K09W79L	16.2	0.15	K1128	54.681	323.848	135.139	3.685	0.03059	3.13747	6 X
K09W84G	17.8	0.15	K1128	158.304	31.271	331.093	4.452	0.02247	2.64954	5 X
K09WA2F	16.6	0.15	K1128	159.367	180.943	168.007	6.263	0.08570	2.74013	6 X
K09WA4B	16.3	0.15	K1128	19.959	126.860	25.129	13.442	0.10738	2.61217	3 X
K09WC8Y	16.1	0.15	K1128	359.663	98.161	54.091	14.524	0.14412	3.16344	4 X
K09WD4W	17.3	0.15	K1128	120.846	42.046	347.241	5.345	0.06207	2.73054	4 X
K09WD4Y	16.1	0.15	K1128	45.836	104.266	354.343	6.100	0.12226	3.11985	6 X
K09WE5D	17.0	0.15	K1128	88.876	29.492	20.632	4.289	0.09797	2.76183	4 X
K09WF2V	15.5	0.15	K1128	13.814	105.238	35.584	15.815	0.16125	3.17380	4 X
K09WF7L	16.0	0.15	K1128	45.726	330.092	127.067	5.357	0.06695	3.24626	3 X
K09WG0A	16.7	0.15	K1128	31.363	129.534	352.726	2.513	0.11843	3.02930	6 X
K09WG1P	16.1	0.15	K1128	160.011	297.594	58.033	12.631	0.07699	2.74841	5 X
K09WG3W	16.7	0.15	K1128	341.965	162.692	57.816	4.943	0.10401	2.33641	4 X

K09WG9D	17.0	0.15	K1128	154.098	198.003	166.595	2.699	0.11590	2.59671	5	X
K09WH1L	16.7	0.15	K1128	162.296	341.503	0.798	3.543	0.12459	2.67354	4	X
K09WH5N	16.8	0.15	K1128	86.826	96.274	333.410	5.499	0.04441	2.77948	4	X
K09WH5X	16.5	0.15	K1128	10.076	146.293	357.141	5.291	0.14499	3.16469	2	X
K09WH6Y	16.7	0.15	K1128	352.427	103.403	57.521	9.413	0.08547	2.76817	6	X
K09WH9R	17.2	0.15	K1128	228.725	312.183	334.754	3.178	0.07110	2.78242	6	X
K09WJ1L	16.7	0.15	K1128	95.227	148.569	250.961	1.493	0.15190	3.04929	5	X
K09WJ5F	15.8	0.15	K1128	159.667	267.232	89.110	13.495	0.00903	2.83711	7	X
K09WK5B	16.8	0.15	K1128	111.317	84.780	315.195	3.061	0.10307	2.81238	4	X
K09WK5Z	16.9	0.15	K1128	196.242	5.009	310.630	3.415	0.06297	2.75782	4	S
K09WL7X	15.5	0.15	K1128	66.333	304.039	133.659	6.723	0.12780	3.19669	5	X
K09WN0J	17.1	0.15	K1128	172.009	267.188	77.566	3.755	0.19559	2.31355	3	X
K09WN4B	16.7	0.15	K1128	116.725	0.745	28.168	4.300	0.12003	2.59962	3	X
K09WP0R	14.9	0.15	K1128	316.083	120.728	82.503	12.487	0.02252	2.99367	7	X
K09WP0T	15.7	0.15	K1128	60.955	47.572	47.648	5.109	0.04991	2.92263	4	X
K09WP4J	16.0	0.15	K1128	79.624	15.126	82.914	5.455	0.03239	2.78376	6	X
K09WQ0B	15.8	0.15	K1128	220.715	220.836	75.645	3.042	0.11454	2.91242	5	X
K09X03H	15.6	0.15	K1128	46.735	48.437	83.314	5.907	0.07263	2.74313	5	X
K09X13A	16.5	0.15	K1128	4.114	124.289	44.770	3.953	0.07155	2.78074	6	X
K09Y06N	15.3	0.15	K1128	337.022	67.720	118.093	10.508	0.03653	3.11645	6	X
K10A04Y	15.2	0.15	K1128	154.684	271.276	91.897	15.134	0.05915	3.10412	6	X
K10A36M	15.6	0.15	K1128	159.736	235.010	148.982	9.625	0.11376	3.25955	7	X
K10B25T	16.1	0.15	K1128	106.745	286.302	101.021	14.825	0.13682	2.71999	5	X
K10LA9J	10.1	0.15	K1128	6.158	138.581	41.893	24.674	0.32428	13.52799	2	X
K10S16L	14.9	0.15	K1128	60.999	312.548	110.878	12.959	0.05374	3.15123	5	X
K10TH4R	15.5	0.15	K1128	351.991	7.926	63.190	18.165	0.23513	3.09291	3	X
K10U58J	13.3	0.15	K1128	329.953	209.455	268.316	7.899	0.15634	5.23815	5	X
K10U76E	15.7	0.15	K1128	346.353	187.335	275.875	7.664	0.16754	3.15752	3	X
K10U77C	13.0	0.15	K1128	108.158	61.252	262.058	18.493	0.06459	5.19732	4	X
K10U82W	13.4	0.15	K1128	243.216	303.023	243.904	19.468	0.04926	5.17647	2	X
K10U96X	12.1	0.15	K1128	332.308	27.006	81.197	15.638	0.06930	5.25254	4	X
K10U99W	13.5	0.15	K1128	332.670	189.549	264.261	10.016	0.04561	5.14669	4	X
K10V19Y	16.7	0.15	K1128	22.133	6.383	105.782	5.216	0.14240	2.60194	2	X
K10V47K	13.7	0.15	K1128	31.459	138.829	254.682	10.408	0.15524	5.25815	5	X
K10VB4J	16.8	0.15	K1128	345.126	185.132	279.840	5.574	0.08809	2.40485	4	X
K10VH3A	13.6	0.15	K1128	334.516	23.041	84.977	3.591	0.05686	5.26666	7	X
K10VJ4M	16.8	0.15	K1128	34.147	338.234	124.145	8.081	0.15333	2.62072	3	X
K10W08B	15.4	0.15	K1128	36.394	118.741	270.760	13.957	0.19976	3.12617	4	X
K10W29R	16.3	0.15	K1128	347.222	6.469	91.036	10.777	0.05167	2.59242	3	X
K10W58P	13.4	0.15	K1128	334.756	30.279	75.381	10.160	0.05380	5.23294	2	X
K10X19L	16.8	0.15	K1128	7.482	157.807	313.163	6.542	0.30588	2.62675	5	X
K10X34V	12.1	0.15	K1128	347.008	180.896	268.984	23.789	0.10574	5.25522	2	X
K10X38T	12.9	0.15	K1128	355.652	1.515	83.776	27.480	0.06682	5.27951	2	X
K10X51E	16.8	0.15	K1128	359.576	189.527	310.972	4.129	0.12718	2.63285	4	X
K11A00V	15.5	0.15	K1128	137.185	220.379	117.857	12.036	0.05220	3.23752	4	X
K11A00Y	16.8	0.15	K1128	344.539	205.654	298.299	1.981	0.13748	2.43684	4	X
K11A11S	15.6	0.15	K1128	140.267	29.923	303.889	9.791	0.09936	2.97622	3	X
K11A22F	15.9	0.15	K1128	38.711	304.682	124.291	10.677	0.15174	3.12247	4	X
K11A23M	17.3	0.15	K1128	9.292	350.772	151.364	2.692	0.11793	2.35779	2	X
K11A23N	15.7	0.15	K1128	29.516	321.440	141.518	9.790	0.24582	2.78361	7	X
K11A29G	17.6	0.15	K1128	317.085	89.899	116.971	9.843	0.16072	1.97798	4	X
K11A29Y	17.8	0.15	K1128	333.515	222.968	295.103	2.024	0.13112	2.29042	5	X
K11A34H	16.1	0.15	K1128	299.576	61.582	141.266	2.989	0.05819	2.70926	4	X
K11A52W	16.5	0.15	K1128	13.957	155.537	325.478	12.449	0.10119	2.64121	2	X
K11A72L	15.8	0.15	K1128	315.585	49.874	118.802	17.381	0.07683	3.22258	2	X
K11A73P	15.4	0.15	K1128	346.672	226.371	297.295	25.977	0.17290	3.11813	2	X
K11A76T	16.2	0.15	K1128	29.996	351.462	117.266	11.939	0.02545	2.74239	2	X
K11B14K	15.8	0.15	K1128	311.832	80.993	140.629	31.629	0.25329	2.75626	2	X
K11B14L	15.2	0.15	K1128	188.187	178.083	143.752	12.055	0.06043	3.04657	3	X
K11B20A	17.4	0.15	K1128	296.132	282.381	318.489	5.208	0.23509	2.29772	4	X
K11B46W	17.1	0.15	K1128	297.317	64.546	149.546	13.356	0.10554	2.62401	2	X
K11B47A	17.5	0.15	K1128	7.628	137.106	4.870	20.102	0.06279	1.90053	4	X
K11B50S	15.8	0.15	K1128	8.126	347.556	139.064	16.972	0.17024	3.17835	2	X
K11B51E	16.4	0.15	K1128	266.151	169.957	78.498	6.031	0.10833	2.34061	2	X
K11C00O	16.3	0.15	K1128	348.417	174.381	344.447	14.181	0.11631	2.64046	2	X
K11C02B	14.9	0.15	K1128	316.062	64.752	132.564	14.817	0.11028	3.13240	3	X
K11C03D	15.7	0.15	K1128	352.335	30.426	126.674	8.371	0.15028	3.04627	2	X
K11C07H	17.5	0.15	K1128	329.484	32.517	160.744	7.696	0.22236	2.39444	2	X
K11C07R	15.7	0.15	K1128	39.510	299.169	153.158	27.446	0.18464	3.20007	3	X
K11C16G	15.1	0.15	K1128	316.063	41.221	144.167	10.686	0.02117	3.17957	3	X
K11C18B	17.2	0.15	K1128	359.432	24.080	116.882	4.822	0.20339	2.65976	5	X
K11C18S	16.4	0.15	K1128	321.887	55.497	135.447	16.505	0.14082	2.62811	2	X
K11C18U	17.9	0.15	K1128	339.522	69.172	98.470	1.522	0.16734	2.40522	4	X
K11C20P	15.6	0.15	K1128	1.317	349.965	149.371	18.137	0.08738	3.11830	4	X
K11C21Z	17.5	0.15	K1128	110.458	233.891	151.191	27.110	0.14299	1.90099	2	X
K11C24R	16.8	0.15	K1128	296.308	146.911	172.395	7.570	0.12448	2.43724	2	X
K11C24S	16.5	0.15	K1128	316.164	67.223	132.473	12.182	0.12380	2.58694	3	X
K11C49D	17.9	0.15	K1128	358.165	107.699	36.126	5.944	0.15205	2.39417	3	X
K11C50R	15.3	0.15	K1128	349.901	177.648	347.267	27.910	0.14633	3.19882	2	X
K11C67U	15.0	0.15	K1128	196.258	179.266	131.216	11.810	0.00606	3.08364	2	X
K11C68Y	16.8	0.15	K1128	292.564	155.978	84.690	7.617	0.20587	2.32975	6	X
K11C69W	17.3	0.15	K1128	37.019	80.903	4.386	4.879	0.21732	2.40755	2	X
K11C69X	16.8	0.15	K1128	2.081	41.498	98.585	6.495	0.17152	2.54783	2	X
K11C69Z	14.9	0.15	K1128	45.579	314.278	131.849	23.055	0.13495	3.17023	2	X
K11C73D	17.0	0.15	K1128	3.256	99.265	43.565	1.967	0.12973	2.39154	2	X
K11C73H	17.3	0.15	K1128	248.644	277.575	344.303	19.874	0.05558	1.92147	3	X

K11C73L	17.4	0.15	K1128	17.788	91.372	25.337	3.884	0.12156	2.43495	4 X
K11C74D	15.8	0.15	K1128	329.833	59.104	139.401	27.953	0.20465	3.10542	3 X
K11C74H	16.9	0.15	K1128	342.810	114.634	62.571	6.424	0.09768	2.32720	2 X
K11C74S	17.3	0.15	K1128	20.778	358.877	117.650	6.054	0.18397	2.58578	2 X
K11C74T	17.5	0.15	K1128	1.966	4.238	139.425	6.328	0.23566	2.62041	4 X
K11C74V	17.5	0.15	K1128	8.403	137.745	357.471	4.352	0.16642	2.35519	3 X
K11C76A	15.7	0.15	K1128	1.783	151.220	1.553	10.944	0.21012	3.18232	2 X
K11C76C	16.4	0.15	K1128	1.419	29.072	126.339	14.648	0.19131	2.64314	2 X
K11C76M	17.7	0.15	K1128	12.881	351.934	136.670	5.697	0.18024	2.40306	4 X
K11D24H	16.8	0.15	K1128	11.179	292.331	205.974	8.944	0.22044	2.41205	3 X
PLS6765	17.6	0.15	K1128	119.587	357.968	17.167	3.057	0.17256	2.30885	6 X

## New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K10P10R	21.7	0.15	K1128	72.600	65.201	334.519	9.163	0.17610	1.19835	211 X	
K10TG7H	13.1	0.15	K1128	12.345	350.036	59.834	29.496	0.09276	5.12719	142 X	
K10U08G	15.7	0.15	K1128	24.803	108.602	352.637	25.676	0.27514	3.18765	126 X	
K10W09E	19.9	0.15	K1128	41.442	132.453	295.526	42.118	0.24969	1.55467	102 X	
K10X67Z	19.6	0.15	K1128	10.555	168.960	280.334	11.835	0.49388	2.06030	90 X	
K10X82Y	19.1	0.15	K1128	16.242	296.945	133.268	26.723	0.48938	2.18779	80 X	
K11A26R	20.2	0.15	K1128	99.827	48.239	308.490	24.329	0.40445	1.35494	54 X	
K11A52O	18.3	0.15	K1128	355.078	12.282	162.711	17.933	0.59438	2.76470	50 X	
K11A63F	16.3	0.15	K1128	341.273	43.342	125.808	11.999	0.22419	3.16853	86 X	
K11A75H	15.4	0.15	K1128	31.848	345.297	114.793	11.506	0.10116	3.10920	122 X	
K11B15T	21.7	0.15	K1128	39.485	308.432	105.843	1.660	0.30372	1.29660	41 X	
K11B18W	19.1	0.15	K1128	6.246	334.430	95.535	4.873	0.57902	2.60981	42 X	
K11B19Y	17.2	0.15	K1128	345.175	130.573	35.817	2.626	0.15465	2.40465	83 X	
K11B59O	21.2	0.15	K1128	334.410	221.026	343.865	4.776	0.46477	1.82861	34 X	
K11C02G	21.4	0.15	K1128	298.428	282.970	294.501	2.738	0.15891	1.17800	54 X	
K11C02P	18.3	0.15	K1128	1.290	136.356	2.388	19.872	0.55341	3.06871	28 X	
K11C46Y	19.9	0.15	K1128	336.318	220.584	11.551	11.627	0.61377	2.14597	23 X	
K11C71H	18.7	0.15	K1128	340.843	73.957	146.035	23.362	0.62449	2.64650	37 X	
K11D00S	27.0	0.15	K1128	53.541	66.388	353.840	0.198	0.23089	1.04615	10 X	
K11D00U	21.1	0.15	K1128	239.931	120.126	177.082	2.949	0.31744	1.17233	11 X	
<b>K11D04Y</b>	<b>22.0</b>	<b>0.15</b>	<b>K1128</b>	<b>13.947</b>	<b>81.451</b>	<b>323.021</b>	<b>6.086</b>	<b>0.77097</b>	<b>2.01223</b>	<b>6 S</b>	
K11D09S	20.1	0.15	K1128	337.103	146.129	93.372	3.677	0.64499	2.59338	7 X	
K11D09U	26.6	0.15	K1128	3.733	326.384	155.345	3.247	0.50325	1.88759	6 X	
K11E00B	26.8	0.15	K1128	2.122	321.881	160.903	2.439	0.59209	2.27873	4 X	
K11E04S	25.7	0.15	K1128	274.887	273.565	340.094	3.398	0.24249	1.08928	4 X	
K11E04T	20.9	0.15	K1128	2.943	149.247	347.679	31.654	0.29997	1.62673	4 X	
K11E04W	23.1	0.15	K1128	289.013	289.237	329.179	10.022	0.37804	1.34045	4 X	
K11E04X	24.5	0.15	K1128	102.208	219.107	153.374	3.024	0.27353	0.85658	4 X	
K11E11L	19.6	0.15	K1128	33.111	79.128	315.358	4.077	0.70855	2.04665	2 X	
K11E11M	24.5	0.15	K1128	340.681	14.101	165.163	9.450	0.34014	1.59873	2 X	
K11E11Y	28.3	0.15	K1128	314.620	241.502	345.958	10.723	0.37716	1.36663	0 W	
K11E12B	21.1	0.15	K1128	149.439	356.774	346.159	31.569	0.23199	0.98452	1 X	
K11E12C	26.0	0.15	K1128	269.411	296.073	346.630	11.630	0.45196	1.00759	1 X	
K11E12D	26.7	0.15	K1128	23.706	114.988	351.408	2.579	0.13525	1.09614	1 X	
K11E16W	23.0	0.15	K1128	306.350	76.890	162.889	18.965	0.36047	1.53848	1 X	

## New one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K09Y06J	16.5	0.15	K09CF	64.793	247.250	108.613	9.353	0.07406	2.90021	7 X	
K10X00S	15.7	0.15	K10CU	8.330	344.328	155.063	27.698	0.07467	3.12905	94 W	
K10X51V	16.7	0.15	K111J	43.278	280.615	137.950	28.535	0.43548	2.57118	85 S	
K11A00X	17.5	0.15	K111J	350.741	34.368	94.580	0.892	0.14469	2.28099	87 X	
K11A05Q	16.7	0.15	K111J	40.830	129.884	305.850	10.881	0.14895	2.61045	81 X	
K11A07V	18.1	0.15	K111J	25.965	138.405	299.858	0.677	0.15893	2.44251	62 X	
K11A13T	16.5	0.15	K111J	20.115	146.396	305.315	18.221	0.10080	3.22245	59 X	
K11A14B	15.9	0.15	K10CU	1.804	334.150	141.464	11.756	0.18261	3.18864	9ES	
K11A14S	17.5	0.15	K10CU	281.406	256.506	318.980	11.665	0.19515	2.66337	6 S	
K11A26J	16.0	0.15	K10CU	16.388	60.653	26.738	8.701	0.10675	3.06731	8 S	
K11A28L	16.9	0.15	K111J	8.550	144.176	315.357	6.146	0.22354	2.62694	80 X	
K11A34M	17.7	0.15	K111J	79.669	161.888	228.984	2.589	0.17388	2.23086	53 X	
K11A34U	18.0	0.15	K111J	5.478	269.321	201.311	4.651	0.12083	2.24240	15 S	
K11A40A	17.2	0.15	K10CU	45.196	328.817	89.640	11.474	0.10580	2.86306	7 S	
K11A42S	14.9	0.15	K111J	6.891	16.170	96.752	11.005	0.00591	3.50522	19 S	
K11A47J	17.7	0.15	K111J	5.174	328.912	140.718	3.353	0.11530	2.30808	16 S	
K11A47Z	17.0	0.15	K111J	35.976	286.369	135.715	22.732	0.29151	2.29504	60 W	
K11A48N	16.9	0.15	K10CU	332.977	231.713	277.775	7.227	0.08878	3.15467	11 S	
K11A51P	18.5	0.15	K1128	328.970	36.370	149.949	3.696	0.22915	2.29863	51 X	
K11A53B	15.9	0.15	K111J	304.613	237.537	332.400	13.646	0.18893	3.07017	53 X	
K11A53K	18.0	0.15	K111J	6.047	138.979	342.859	4.803	0.19288	2.36166	53 X	
K11A54E	17.7	0.15	K10CU	4.961	154.253	307.522	5.625	0.14161	2.46139	11 S	
K11A55M	18.5	0.15	K10CU	351.235	6.244	114.018	2.142	0.13624	2.52109	24 S	
K11A58L	15.7	0.15	K10CU	138.962	222.538	101.009	10.896	0.04698	3.14373	14 S	
K11A62F	15.6	0.15	K111J	305.712	237.536	309.479	18.063	0.16134	3.19590	59 X	
K11A63J	16.0	0.15	K111J	19.936	333.295	132.418	6.301	0.17208	3.15996	86 X	
K11A65S	17.0	0.15	K111J	4.342	168.602	312.939	16.766	0.12199	3.01732	16 S	
K11A68L	17.1	0.15	K1128	44.136	300.316	133.547	6.218	0.21936	2.67401	50 X	
K11A69K	17.6	0.15	K10CU	283.948	257.206	312.321	2.875	0.18437	2.44990	14 S	
K11A70K	18.9	0.15	K111J	10.638	18.452	86.563	3.375	0.07681	2.25720	15 S	
K11A71P	16.9	0.15	K111J	47.545	342.025	82.351	11.360	0.06529	3.05918	11 S	
K11A74W	17.1	0.15	K10CU	32.013	125.014	305.223	10.834	0.14876	2.58932	14 S	
K11B00O	18.1	0.15	K111J	27.993	156.939	281.713	1.740	0.16279	2.42187	61 X	
K11B00W	16.8	0.15	K10CU	335.863	203.806	296.244	7.953	0.06528	3.05965	14 S	

K11B01Q	16.9	0.15	K1128	251.745	318.776	286.992	3.572	0.15143	2.56424	48 X
K11B01Y	16.5	0.15	K111J	79.353	78.005	309.219	9.246	0.09269	3.09595	13 S
K11B03O	16.6	0.15	K111J	96.370	256.936	112.890	15.904	0.11255	3.06944	13 S
K11B03P	17.4	0.15	K1128	264.708	286.419	313.090	4.517	0.19236	2.38006	48 X
K11B03U	15.8	0.15	K111J	270.149	265.922	305.923	6.361	0.03698	3.17253	61 X
K11B04L	17.0	0.15	K1128	244.886	130.581	121.559	12.943	0.15246	2.60509	48 X
K11B05B	15.8	0.15	K111J	268.770	288.491	286.200	10.434	0.02897	3.12955	12 S
K11B05D	18.6	0.15	K10CU	12.111	206.444	249.235	2.270	0.17821	2.57934	11 S
K11B06M	17.6	0.15	K111J	6.553	142.623	327.480	3.581	0.12452	2.62070	13 S
K11B06N	17.5	0.15	K111J	64.972	308.272	100.451	5.628	0.04776	2.63112	13 S
K11B06O	17.1	0.15	K111J	262.657	184.492	36.597	1.694	0.04409	2.72325	13 S
K11B07D	16.6	0.15	K111J	74.582	283.909	112.254	6.330	0.07614	2.87860	14 S
K11B07U	19.0	0.15	K111J	338.436	34.070	115.112	5.457	0.16061	2.29974	14 S
K11B09F	17.1	0.15	K111J	14.653	10.141	93.435	5.065	0.06646	2.78947	13 S
K11B09G	16.4	0.15	K111J	129.436	29.824	312.682	7.928	0.10196	2.99200	14 S
K11B09J	17.8	0.15	K111J	30.636	114.056	334.171	3.111	0.02246	2.55737	14 S
K11B10A	18.8	0.15	K111J	5.250	8.031	105.526	2.091	0.13355	2.50490	14 S
K11B11L	15.8	0.15	K1128	322.410	216.224	337.010	14.419	0.22838	3.09316	40 W
K11B13Y	15.7	0.15	K1128	351.079	173.250	339.325	15.982	0.17338	3.10334	40 W
K11B14G	15.9	0.15	K1128	12.531	8.735	122.747	4.762	0.14122	3.16528	40 W
K11B14T	15.9	0.15	K111J	312.187	209.704	330.257	10.532	0.03904	3.08982	11 S
K11B15A	18.3	0.15	K111J	356.664	2.504	141.364	5.651	0.14024	2.40993	53 X
K11B15G	15.9	0.15	K1128	15.368	337.675	141.340	24.486	0.11349	3.12916	39 X
K11B17M	16.7	0.15	K111J	110.452	246.953	122.187	7.056	0.05882	2.73813	13 S
K11B17T	16.6	0.15	K111J	61.158	287.926	129.878	10.601	0.06875	3.09631	13 S
K11B18D	15.9	0.15	K111J	167.857	7.986	307.717	6.504	0.16401	2.63655	15 S
K11B19S	15.8	0.15	K111J	325.111	51.226	152.199	30.991	0.24143	3.18475	56 W
K11B19T	16.7	0.15	K1128	331.024	45.081	149.915	13.820	0.19586	2.66233	40 W
K11B20D	16.4	0.15	K111J	1.829	182.424	324.650	13.484	0.11319	2.62847	17 S
K11B21C	16.7	0.15	K111J	243.866	113.920	128.396	9.327	0.07645	2.75248	17 S
K11B24Z	17.6	0.15	K1128	36.916	138.842	298.389	3.577	0.14452	2.20802	48 X
K11B28A	17.1	0.15	K111J	10.647	347.347	143.922	7.918	0.11512	2.40204	62 W
K11B28M	16.2	0.15	K111J	2.020	38.814	88.230	2.071	0.12434	3.10142	29 S
K11B28U	16.5	0.15	K111J	342.920	36.140	107.278	11.812	0.07569	3.10861	14 S
K11B30X	16.0	0.15	K111J	18.689	142.682	321.845	13.918	0.09089	3.21996	10 S
K11B33D	17.6	0.15	K111J	36.942	131.756	313.702	2.919	0.12375	2.78477	11 S
K11B33J	17.0	0.15	K111J	145.222	217.000	128.805	7.309	0.04209	2.69905	10 S
K11B34J	16.3	0.15	K1128	342.387	180.335	356.333	6.253	0.23976	3.03467	36 X
K11B34W	16.6	0.15	K111J	83.573	271.237	132.288	6.593	0.03938	2.68938	11 S
K11B35F	18.7	0.15	K111J	347.961	7.747	135.424	6.502	0.06680	2.29812	11 S
K11B36Y	17.4	0.15	K111J	278.895	279.487	306.105	12.002	0.11441	2.61941	7 S
K11B42O	17.5	0.15	K111J	29.707	18.225	72.308	10.013	0.10106	3.00129	2 X
K11B42P	16.5	0.15	K111J	200.391	216.665	75.622	12.084	0.14866	2.99647	2 X
K11B42Q	17.7	0.15	K111J	251.877	202.118	53.900	8.136	0.21466	2.28869	3 W
K11B42R	16.0	0.15	K111J	66.655	345.461	69.203	10.689	0.05469	3.00840	5 X
K11B42S	16.0	0.15	K111J	47.747	333.429	95.261	14.864	0.11957	2.98759	5 X
K11B44J	19.0	0.15	K111J	331.609	3.084	162.846	6.619	0.08946	2.24853	6 S
K11B45P	17.7	0.15	K111J	12.976	111.673	0.716	4.275	0.13296	2.33978	6 S
K11B46A	17.2	0.15	K111J	79.449	297.246	98.589	17.104	0.11013	3.07748	2 X
K11B47H	18.2	0.15	K111J	355.080	268.717	230.100	3.769	0.12385	2.51337	11 S
K11B47T	16.1	0.15	K111J	292.340	65.191	151.015	18.796	0.11800	3.18177	7 S
K11B48M	16.3	0.15	K111J	343.764	326.900	188.323	5.131	0.08265	2.97783	9 S
K11B48N	18.4	0.15	K111J	355.946	227.369	270.383	3.757	0.07940	2.20497	9 S
K11B48P	17.1	0.15	K111J	273.909	62.609	178.705	5.586	0.16458	2.81754	9 S
K11B53J	17.5	0.15	K111J	78.167	283.540	121.743	10.249	0.05529	2.57505	11 S
K11B53R	17.0	0.15	K111J	347.372	21.654	126.124	9.168	0.14474	3.14159	11 S
K11B54A	16.5	0.15	K111J	24.031	140.837	320.006	13.054	0.12690	3.11115	11 S
K11B56C	16.1	0.15	K1128	24.215	183.934	273.229	9.376	0.08576	2.97229	27 S
K11B56S	16.2	0.15	K111J	355.856	121.226	15.150	9.087	0.08827	3.06572	16 S
K11B57B	17.1	0.15	K1128	288.897	259.043	329.768	23.705	0.18806	2.27975	34 X
K11B59C	16.7	0.15	K111J	272.604	261.649	340.580	13.489	0.14873	2.72752	9 S
K11B59Q	16.2	0.15	K111J	160.702	339.461	346.091	4.194	0.07668	2.80489	11 S
K11B63B	16.8	0.15	K1128	316.766	57.473	153.178	12.292	0.12996	2.60656	38 X
K11B63C	15.1	0.15	K1128	285.085	85.985	158.576	20.673	0.09921	3.15457	38 W
K11B64Q	20.1	0.15	K1128	345.231	30.419	142.446	6.216	0.31907	2.03621	35 X
K11B66F	17.6	0.15	K111J	327.667	163.602	1.771	10.694	0.10056	3.18506	3 W
K11C00B	17.7	0.15	K111J	59.922	6.062	29.059	7.825	0.25567	2.52468	5 S
K11C02E	16.0	0.15	K111J	225.145	157.075	117.805	10.030	0.04609	2.67236	6 S
K11C02J	17.0	0.15	K111J	344.510	358.196	129.608	10.705	0.14669	2.45135	6 S
K11C02Y	15.9	0.15	K1128	317.319	231.284	338.510	26.302	0.20867	3.15841	31 X
K11C03F	15.9	0.15	K111J	357.112	336.481	155.447	9.939	0.08903	3.12563	8 S
K11C03G	16.0	0.15	K111J	23.319	177.828	286.276	8.095	0.03861	3.04382	8 S
K11C03P	18.0	0.15	K111J	345.995	353.501	153.475	6.225	0.13861	2.46783	8 S
K11C04F	17.0	0.15	K111J	38.172	340.579	97.481	5.217	0.22215	2.99299	4 S
K11C04G	15.4	0.15	K1128	5.538	148.493	346.272	12.320	0.10789	3.27329	29 W
K11C04K	15.5	0.15	K111J	313.904	202.727	345.146	11.621	0.05571	3.19945	53 X
K11C04O	16.2	0.15	K111J	286.397	239.266	339.372	12.508	0.08391	3.12336	6 S
K11C06N	17.0	0.15	K111J	10.686	340.870	141.227	13.881	0.24896	2.65464	53 W
K11C06V	17.7	0.15	K1128	29.798	303.281	156.630	11.840	0.22407	2.42804	27 X
K11C07J	17.4	0.15	K1128	302.422	42.385	154.387	17.086	0.04346	3.11310	6 S
K11C08Y	16.1	0.15	K111J	353.947	197.172	304.506	8.345	0.05851	3.08033	11 S
K11C09N	16.5	0.15	K1128	71.977	281.841	138.426	9.668	0.08270	2.76924	36 S
K11C09W	19.6	0.15	K111J	18.593	116.474	333.524	0.918	0.34618	2.41051	11 S
K11C09Y	16.0	0.15	K111J	259.862	281.887	322.418	10.821	0.07934	3.04709	11ES
K11C10D	17.4	0.15	K111J	348.495	27.086	119.201	11.395	0.12698	2.63031	11 S
K11C10P	16.9	0.15	K111J	355.216	166.990	330.574	11.268	0.07182	2.77470	11 S

K11C14F	16.5	0.15	K111J	198.352	344.017	315.111	6.329	0.09735	3.01087	11 S
K11C14X	18.4	0.15	K111J	331.666	221.537	304.728	1.688	0.09929	2.41703	1ES
K11C15E	16.0	0.15	K111J	277.234	264.926	311.839	10.603	0.03059	3.17105	15 S
K11C15J	18.8	0.15	K111J	312.820	46.458	134.727	3.671	0.05816	2.24937	10ES
K11C16X	16.2	0.15	K1128	14.964	152.554	325.678	28.410	0.21182	3.20349	37 X
K11C17T	16.4	0.15	K1128	359.775	149.981	351.799	7.057	0.11167	3.10135	28 S
K11C18T	16.0	0.15	K1128	6.332	73.223	61.806	3.549	0.03282	2.73133	29 W
K11C20L	17.0	0.15	K111J	350.205	164.171	341.692	8.811	0.06294	3.01625	13 S
K11C22A	16.3	0.15	K1128	85.249	60.040	358.166	7.146	0.05912	2.98751	36 X
K11C22M	17.1	0.15	K111J	314.587	242.803	318.185	13.850	0.18064	2.55449	6 S
K11C23E	18.2	0.15	K111J	355.462	345.915	148.054	11.149	0.31208	2.71196	8 S
K11C23X	17.4	0.15	K1128	150.713	23.434	317.005	12.238	0.14263	2.68511	18 S
K11C26C	17.4	0.15	K111J	11.418	347.343	129.401	12.459	0.03754	2.53849	15 S
K11C27U	16.6	0.15	K111J	351.226	104.985	39.689	2.352	0.14277	3.14832	11 S
K11C29D	16.3	0.15	K1128	352.173	18.856	145.263	16.781	0.25107	3.05048	47 X
K11C29N	17.7	0.15	K111J	343.143	185.105	329.715	5.015	0.26230	3.14399	11 S
K11C29Y	15.8	0.15	K1128	312.542	78.996	148.140	26.392	0.34765	3.18140	35 S
K11C31R	18.8	0.15	K111J	320.161	342.097	206.180	2.092	0.14370	2.38144	11 S
K11C32D	17.6	0.15	K111J	180.483	145.141	173.395	4.526	0.06145	2.73437	12 S
K11C33R	16.4	0.15	K111J	345.566	196.078	308.003	27.278	0.15889	3.09942	14 S
K11C34G	15.2	0.15	K111J	334.041	15.191	144.348	4.126	0.13166	3.88237	14 S
K11C34T	16.7	0.15	K1128	30.954	146.387	320.695	4.305	0.12527	2.73077	28 X
K11C34V	16.2	0.15	K1128	352.847	192.015	324.601	4.071	0.13244	3.21752	38 X
K11C34X	16.8	0.15	K1128	44.294	122.941	319.104	7.070	0.22150	2.79694	29 W
K11C35J	15.9	0.15	K111J	332.586	263.931	267.649	5.076	0.08722	3.15332	13 S
K11C36Q	17.5	0.15	K111J	198.732	166.875	129.405	4.173	0.06942	2.76307	12 S
K11C37N	16.6	0.15	K111J	347.539	37.260	108.949	4.553	0.07780	3.08453	14 S
K11C39S	17.8	0.15	K111J	57.795	280.311	125.601	2.080	0.19114	2.48649	14 S
K11C40R	18.1	0.15	K111J	337.531	34.619	118.824	3.225	0.02341	2.21208	11 S
K11C40U	17.0	0.15	K111J	8.331	351.435	130.605	12.927	0.04100	3.20695	11 S
K11C42B	16.7	0.15	K1128	355.042	122.301	32.678	10.369	0.21882	2.41711	28 X
K11C42R	12.9	0.15	K1128	315.785	173.361	58.787	8.458	0.27874	3.50938	23 S
K11C43E	16.3	0.15	K1128	123.614	61.922	303.181	9.376	0.09306	3.21480	36 X
K11C44Y	16.4	0.15	K111J	192.704	154.124	151.919	20.303	0.17134	2.66436	12 S
K11C47B	17.6	0.15	K1128	20.409	175.082	308.090	18.229	0.01548	1.85387	7 S
K11C50A	19.4	0.15	K1128	298.497	247.967	317.744	17.969	0.08531	1.84156	4 S
K11C52J	19.3	0.15	K1128	49.013	312.954	127.018	2.088	0.13406	2.15598	6 S
K11C53H	16.6	0.15	K111J	316.631	167.395	23.505	1.571	0.10500	3.10460	18 S
K11C53N	17.0	0.15	K1128	340.665	179.066	1.715	6.952	0.18692	2.69821	38 W
K11C53Y	16.4	0.15	K1128	134.641	33.803	319.079	7.524	0.21485	2.78548	14 S
K11C54M	17.8	0.15	K111J	306.442	233.981	325.745	4.799	0.08815	2.56436	15 S
K11C55W	17.3	0.15	K1128	48.742	123.061	325.144	8.916	0.06595	3.09865	21 S
K11C56P	17.7	0.15	K1128	165.414	9.680	322.907	5.012	0.16732	2.25216	21 S
K11C58A	18.5	0.15	K1128	33.577	279.666	187.467	0.430	0.04644	2.61626	17 S
K11C58P	18.3	0.15	K1128	53.401	292.621	152.562	2.594	0.04575	2.85565	17 S
K11C59G	17.4	0.15	K1128	75.443	137.103	284.627	0.957	0.05562	2.87135	17 S
K11C62T	16.4	0.15	K111J	86.483	273.154	119.587	10.766	0.09029	3.02135	14 S
K11C64P	15.6	0.15	K1128	262.064	203.618	47.536	8.525	0.08402	3.19549	21 X
K11C65P	18.5	0.15	K1128	346.769	29.236	137.001	3.108	0.15334	2.43169	21 X
K11C65X	16.5	0.15	K1128	292.540	241.084	337.759	5.737	0.02831	3.06762	19 S
K11C67Y	17.3	0.15	K1128	323.599	173.003	16.834	2.754	0.10953	2.45449	27 S
K11C68A	16.0	0.15	K111J	181.893	172.921	134.569	25.206	0.15392	2.74756	3 S
K11C68M	14.8	0.15	K111J	183.556	22.010	282.869	11.094	0.17873	3.87793	3ES
K11C69A	17.0	0.15	K111J	333.151	70.289	93.596	9.603	0.13108	2.02713	8 S
K11C69L	19.0	0.15	K1128	340.725	314.746	209.640	0.568	0.21915	2.34245	5 S
K11C70D	15.3	0.15	K1128	307.486	121.911	85.706	12.042	0.17313	3.07226	6 S
K11C70N	16.3	0.15	K1128	16.044	4.545	114.318	10.005	0.10848	3.10376	4 S
K11C71B	17.9	0.15	K1128	151.904	19.194	345.167	20.460	0.04024	1.93408	34 X
K11C71F	16.9	0.15	K1128	357.058	23.119	130.312	5.779	0.09648	2.76071	38 W
K11C71J	16.8	0.15	K1128	37.888	308.868	154.738	24.297	0.09863	1.99748	25 X
K11C71Q	16.1	0.15	K1128	347.135	181.330	347.016	12.900	0.17897	2.66020	27 X
K11C73C	17.0	0.15	K1128	17.629	72.511	51.233	1.932	0.13432	2.39284	38 X
K11C73M	16.4	0.15	K1128	30.070	125.438	328.528	27.062	0.19998	3.17268	29 S
K11C73W	16.9	0.15	K1128	68.773	292.730	129.090	6.646	0.09472	2.33815	26 W
K11C74C	16.7	0.15	K1128	325.862	204.977	351.905	25.398	0.21147	2.27408	23 X
K11C74F	16.3	0.15	K1128	11.010	175.488	327.314	4.728	0.19117	2.97121	35 X
K11C74U	17.8	0.15	K1128	5.548	147.117	352.110	4.909	0.16732	2.35441	20 X
K11C74Y	17.3	0.15	K1128	356.962	151.106	0.556	2.154	0.12477	2.39708	20 X
K11C75C	16.1	0.15	K111J	269.357	277.877	328.305	13.795	0.09590	2.57147	53 X
K11C75H	15.4	0.15	K1128	39.143	116.825	345.537	21.006	0.08085	3.09199	28 X
K11C75X	17.9	0.15	K1128	337.097	186.941	346.438	19.131	0.06952	1.91558	23 X
K11C75Z	16.5	0.15	K1128	318.791	214.938	351.773	11.645	0.13653	2.63506	23 W
K11C76B	16.8	0.15	K1128	292.333	250.594	0.357	23.274	0.25482	2.18079	23 X
K11C77F	17.3	0.15	K1128	333.264	213.500	327.224	4.079	0.13833	2.41164	23 S
K11C77W	17.1	0.15	K1128	40.046	56.644	27.600	6.136	0.32030	2.58355	23 W
K11D00T	18.3	0.15	K112S	163.477	184.908	176.675	8.461	0.03939	2.23270	10 W
K11D02T	15.9	0.15	K112S	229.737	139.471	150.297	10.315	0.06976	3.04346	10 X
K11D02U	17.5	0.15	K112S	42.695	328.528	131.174	3.709	0.13892	2.36598	10 S
K11D02V	17.7	0.15	K112S	298.454	104.927	121.044	1.713	0.09106	2.29321	10 X
K11D02W	17.8	0.15	K112S	67.069	48.598	24.163	1.612	0.13312	2.38319	10 X
K11D03H	14.5	0.15	K112S	184.458	174.820	155.404	28.126	0.15244	3.20566	10 X
K11D03K	16.9	0.15	K112S	349.636	195.049	331.349	13.173	0.03710	2.34440	10 X
K11D03M	16.4	0.15	K112S	132.538	43.176	334.473	21.131	0.05986	2.40156	10 X
K11D04C	16.8	0.15	K112S	7.384	171.553	335.304	8.062	0.19374	2.75435	10 S
K11D04D	17.3	0.15	K112S	15.411	290.482	205.545	1.073	0.13600	2.37471	10 X
K11D04N	17.7	0.15	K112S	15.721	343.380	158.895	23.718	0.07483	1.88971	10 X

K11D04O	15.5	0.15	K112S	313.146	75.000	150.976	11.645	0.18403	2.84751	10	X
K11D04U	18.4	0.15	K112S	318.851	90.819	122.434	2.071	0.19186	2.31916	9	X
K11D04V	18.6	0.15	K112S	339.091	191.246	347.384	20.439	0.04614	1.91459	10	X
K11D06A	17.5	0.15	K112S	359.670	106.867	55.254	2.401	0.11235	2.37705	10	X
K11D06Y	16.0	0.15	K112S	219.343	153.319	152.949	12.488	0.10078	2.94707	9	X
K11D09B	15.3	0.15	K112S	348.047	152.255	13.017	17.895	0.14596	3.12762	8	X
K11D11E	16.9	0.15	K112S	333.726	43.222	158.214	8.608	0.20373	2.58411	8	X
K11D11M	16.0	0.15	K112S	4.432	157.758	13.726	28.266	0.18304	2.75940	6	S
K11D12G	18.6	0.15	K112S	9.857	168.605	325.943	6.863	0.14775	2.26290	10	X
K11D13A	18.0	0.15	K112S	340.793	224.972	325.353	5.199	0.30907	2.73386	7	X
K11D15V	15.1	0.15	K112S	44.602	300.269	154.800	12.307	0.20520	3.94973	8	X
K11D15X	16.7	0.15	K112S	162.715	7.343	346.871	5.805	0.08180	2.69693	8	X
K11D16E	18.8	0.15	K112S	330.483	212.545	353.833	0.716	0.23811	2.35367	8	X
K11D16G	17.8	0.15	K112S	296.186	254.933	339.994	10.558	0.10863	2.72885	8	X
K11D17J	16.7	0.15	K112S	167.932	357.319	351.534	10.184	0.14935	2.33859	7	X
K11D17K	18.7	0.15	K112S	304.140	203.273	29.896	2.052	0.16494	2.30388	7	X
K11D17N	15.9	0.15	K112S	22.753	341.766	150.048	12.511	0.11394	2.96481	7	X
K11D17X	17.5	0.15	K112S	334.642	55.230	140.103	5.722	0.16381	2.33392	7	X
K11D18V	17.5	0.15	K112S	293.232	236.011	359.491	3.324	0.07694	2.25767	7	X
K11D18X	16.9	0.15	K112S	330.602	200.739	358.573	4.991	0.13907	3.18373	7	X
K11D20M	16.7	0.15	K112S	340.232	40.423	143.159	13.423	0.09620	2.39700	8	X
K11D21J	16.3	0.15	K112S	249.978	309.402	336.953	15.156	0.21956	3.06076	8	X
K11D21L	17.3	0.15	K112S	271.248	289.146	338.716	8.805	0.20685	2.36320	8	X
K11D21O	17.0	0.15	K112S	356.528	212.102	325.211	5.525	0.28128	2.34489	8	X
K11D24G	18.2	0.15	K112S	67.468	304.239	124.849	4.414	0.16625	2.21573	8	X
K11D24V	15.6	0.15	K112S	31.141	36.465	71.423	11.733	0.22475	3.00554	7	W
K11D25M	17.3	0.15	K112S	333.607	62.227	121.778	2.691	0.05693	2.37674	8	X
K11D30N	19.7	0.15	K112S	27.530	111.486	6.619	0.690	0.26008	2.27059	8	X
K11D31X	17.8	0.15	K112S	346.271	185.168	351.929	3.540	0.09071	2.41356	8	X
K11D32G	17.3	0.15	K112S	324.632	63.733	140.487	0.785	0.12525	2.44563	8	X
K11D32R	17.0	0.15	K112S	292.659	284.016	346.040	5.926	0.35907	2.74649	8	S
K11D32W	19.2	0.15	K112S	342.670	194.746	347.770	2.515	0.11710	2.10226	8	X
K11D33Q	16.8	0.15	K112S	129.576	26.999	341.535	13.680	0.32644	2.32816	8	X
K11D33V	17.9	0.15	K112S	259.660	284.881	349.297	1.834	0.12295	2.46449	8	X
K11D34G	14.9	0.15	K112S	163.999	6.421	340.790	15.335	0.45089	2.88162	8	S
K11D34J	17.9	0.15	K112S	343.766	23.155	158.102	6.656	0.13219	2.40242	8	X
K11D40L	18.2	0.15	K112S	326.555	215.623	355.528	2.394	0.13038	2.35880	8	X
K11D41Y	19.4	0.15	K112S	20.882	99.961	12.359	1.662	0.43359	2.74522	8	S
K11D42A	16.5	0.15	K112S	232.289	300.709	358.769	5.649	0.03727	2.44853	8	ES
K11D42R	16.2	0.15	K112S	345.674	186.820	350.685	10.259	0.11555	3.02096	7	X
K11D44F	18.8	0.15	K112S	30.464	289.343	157.584	6.942	0.45150	2.67630	7	S
K11D45A	15.8	0.15	K112S	114.721	249.032	152.081	9.752	0.06346	3.11987	7	X
K11D45C	16.8	0.15	K112S	140.573	225.397	153.467	7.326	0.04137	2.76284	7	X
K11D45D	16.6	0.15	K112S	339.465	32.102	151.940	6.416	0.02814	2.90041	7	X
K11D45K	17.8	0.15	K112S	19.273	145.953	344.605	14.242	0.21947	3.14506	7	X
K11D45L	16.8	0.15	K112S	15.642	155.772	347.866	7.044	0.05237	2.40581	7	W
K11D45P	16.2	0.15	K112S	15.211	355.428	148.392	4.528	0.08823	3.33040	7	S
K11D45Q	17.7	0.15	K112S	347.870	37.062	138.275	2.791	0.05947	2.77629	7	X
K11D46C	16.6	0.15	K112S	337.558	200.487	349.445	12.997	0.11458	3.05424	7	X
K11D46E	17.3	0.15	K112S	337.127	49.558	145.250	6.226	0.18316	2.67300	7	X
K11D46G	17.1	0.15	K112S	280.873	223.888	32.305	2.417	0.13108	2.75573	7	X
K11D46J	16.8	0.15	K112S	13.543	151.353	350.723	12.674	0.17766	3.10982	7	X
K11D46R	16.7	0.15	K112S	232.359	152.856	150.906	10.678	0.16997	2.57279	7	X
K11D46X	17.8	0.15	K112S	358.562	25.178	137.920	3.549	0.11177	2.76678	7	X
K11D47D	17.8	0.15	K112S	263.778	266.870	356.045	6.812	0.04748	2.39259	7	X
K11D47J	17.6	0.15	K112S	50.966	80.001	0.793	8.024	0.27467	2.79685	7	X
K11D47K	15.8	0.15	K112S	166.902	357.633	354.988	14.034	0.09876	2.96057	7	X
K11D47M	15.6	0.15	K112S	17.512	342.143	157.061	34.410	0.14229	2.81128	7	W
K11D47O	16.5	0.15	K112S	130.022	9.098	359.645	9.550	0.35322	2.29415	7	S
K11D47S	17.3	0.15	K112S	21.525	147.748	352.413	22.747	0.05212	2.04088	6	X
K11E00W	16.8	0.15	K112S	306.372	221.827	357.339	6.808	0.15272	2.37743	4	X
K11E04U	14.5	0.15	K112S	282.971	97.542	158.925	29.678	0.12309	3.17264	4	W
K11E07A	16.4	0.15	K112S	343.152	36.842	159.528	11.607	0.14046	3.11555	3	X
K11E09B	16.9	0.15	K112S	102.531	264.844	125.613	3.254	0.13966	2.69570	4	X
K11E09Z	16.5	0.15	K112S	35.472	294.747	178.274	30.366	0.37756	2.64842	3	W
K11E11H	15.0	0.15	K112S	191.779	169.822	169.335	13.404	0.17482	2.97689	2	S
K11E11K	17.0	0.15	K112S	17.923	139.304	353.181	26.132	0.30239	2.85904	2	W
K11E11S	17.3	0.15	K112S	354.881	58.116	116.632	10.707	0.16027	2.62055	2	X
K11E11T	16.1	0.15	K112S	133.897	263.581	127.410	14.814	0.05820	2.67940	2	X
K11E11Z	17.6	0.15	K112S	327.713	66.862	132.000	26.200	0.06879	2.01988	0	ES
K11E12A	17.3	0.15	K112S	180.087	225.524	115.647	19.937	0.03607	1.86268	0	EW
K11E12S	16.0	0.15	K112S	330.870	55.475	157.505	18.195	0.19174	2.91614	4	W
K11E16U	17.5	0.15	K112S	312.404	159.602	80.737	2.793	0.21083	2.48440	11	H

## New observations:

J90U00A	tC2011	03	05.32968	11	38	18.12	+04	11	19.3	21.7	VoEE034291
J90U00A	tC2011	03	05.33495	11	38	17.61	+04	11	22.6	21.6	VoEE034291
J99T12K	C2011	03	05.44689	13	47	38.18	+08	25	27.7	17.0	VrEE034703
J99T12K	C2011	03	05.45270	13	47	36.34	+08	24	59.7	16.9	VrEE034703
J99T12K	C2011	03	05.45853	13	47	34.51	+08	24	32.8	17.0	VrEE034703
J99T12K	C2011	03	05.46440	13	47	32.71	+08	24	05.5	17.1	VrEE034703
J99T12K	C2011	03	05.60017	13	46	54.18	+08	13	20.7	17.0	VuEE034379
J99T12K	C2011	03	05.60220	13	46	53.59	+08	13	11.6	17.4	VuEE034379
J99T12K	C2011	03	05.60425	13	46	52.96	+08	13	01.8	17.1	VuEE034379
J99T12K	C2011	03	05.61148	13	46	50.74	+08	12	27.5	17.4	VuEE034379
J99T12K	C2011	03	05.62378	13	46	46.95	+08	11	30.0	17.5	VuEE034379

J99T12K	C2011	03	05.63247	13	46	44.25	+08	10	48.9	17.0	VuEE034379
J99T12K	C2011	03	05.63471	13	46	43.56	+08	10	38.3	17.0	VuEE034379
J99T12K	C2011	03	05.63693	13	46	42.88	+08	10	27.8	17.3	VuEE034379
J99T12K	C2011	03	05.64985	13	46	38.90	+08	09	27.1	17.2	VuEE034379
J99T12K	C2011	03	05.65207	13	46	38.22	+08	09	16.9	17.3	VuEE034379
J99T12K	KC2011	03	06.01844	13	44	48.27	+07	40	21.0	16.3	RcEE034A53
J99T12K	KC2011	03	06.02181	13	44	47.25	+07	40	05.1	16.7	RcEE034A53
J99T12K	KC2011	03	06.02874	13	44	45.03	+07	39	32.5	16.3	RcEE034A53
K00CA1R	C2011	03	05.10916	08	49	22.80	+17	43	02.8	19.9	VoEE034691
K00CA1R	C2011	03	05.13579	08	49	23.74	+17	42	55.9	20.1	VoEE034691
K00CA1R	C2011	03	05.14918	08	49	24.22	+17	42	52.6	19.9	VoEE034691
K01D08Q	C2011	03	05.25233	09	08	34.28	+22	53	07.0	19.6	cEE034704
K01D08Q	C2011	03	05.26442	09	08	32.75	+22	53	04.4	20.0	cEE034704
K01D08Q	C2011	03	05.27674	09	08	31.28	+22	53	01.2	19.7	cEE034704
K01D08Q	C2011	03	05.28979	09	08	29.72	+22	52	57.8	19.9	cEE034704
K02S00Z	C2011	03	05.82951	09	16	18.31	+34	24	18.7	18.8	RrEE034106
K02S00Z	C2011	03	05.83838	09	16	14.12	+34	23	57.0	19.2	RrEE034106
K02S00Z	C2011	03	05.84725	09	16	09.79	+34	23	33.6	19.4	RrEE034106
K02S00Z	C2011	03	05.85611	09	16	05.48	+34	23	11.5	18.3	RrEE034106
K02T60D	C2011	03	04.81144	13	14	08.73	+25	27	29.1	19.0	RmEE034355
K02T60D	C2011	03	04.81250	13	14	08.60	+25	27	29.5	18.9	RmEE034355
K02T60D	C2011	03	04.81357	13	14	08.51	+25	27	30.3	19.2	RmEE034355
K02T60D	C2011	03	04.81570	13	14	08.28	+25	27	32.7	19.3	RmEE034355
K02T60D	C2011	03	04.82103	13	14	07.85	+25	27	35.3	18.2	RmEE034355
K02Y03Z	KC2011	03	06.07919	03	42	45.63	+41	04	04.7	20.3	RuEE034H36
K02Y03Z	KC2011	03	06.09661	03	42	51.71	+41	04	07.7	20.1	RuEE034H36
K03T01N	C2011	03	05.40543	12	18	19.90	+28	49	49.7	19.7	VrEE034703
K03T01N	C2011	03	05.41458	12	18	18.36	+28	49	42.5	19.6	VrEE034703
K03T01N	C2011	03	05.42380	12	18	16.66	+28	49	35.0	19.9	VrEE034703
K03T01N	C2011	03	05.43301	12	18	15.04	+28	49	26.8	20.2	VrEE034703
K03W87X	C2011	03	05.30961	11	30	47.44	+29	17	52.9	20.3	VrEE034703
K03W87X	C2011	03	05.31874	11	30	46.54	+29	17	57.2	19.8	VrEE034703
K03W87X	C2011	03	05.32791	11	30	45.79	+29	18	01.3	19.9	VrEE034703
K03W87X	C2011	03	05.33704	11	30	45.10	+29	18	02.7	19.7	VrEE034703
K04E20M	C2011	03	05.37160	11	23	13.92	+01	35	46.7	18.4	VrEE034G96
K04E20M	C2011	03	05.38093	11	23	11.04	+01	35	37.8	18.0	VrEE034G96
K04E20M	C2011	03	05.39034	11	23	08.16	+01	35	28.6	18.4	VrEE034G96
K05EG9Y	C2011	03	05.36169	12	31	33.48	+01	36	36.1	18.1	cEE034704
K05EG9Y	C2011	03	05.37503	12	31	29.00	+01	33	29.9	18.4	cEE034704
K05EG9Y	C2011	03	05.38820	12	31	24.60	+01	30	25.2	18.3	cEE034704
K05EG9Y	C2011	03	05.40096	12	31	20.36	+01	27	25.5	18.1	cEE034704
K05EG9Y	C2011	03	05.41374	12	31	16.08	+01	24	25.6	18.5	cEE034704
K06D14P	C2011	03	05.34275	11	49	33.00	-14	10	45.7		oEE034291
K06D14P	C2011	03	05.34656	11	49	32.43	-14	10	42.9		oEE034291
K06D14P	C2011	03	05.35057	11	49	31.85	-14	10	40.3		oEE034291
K07E00X	KC2011	03	06.10477	03	51	35.29	+02	25	20.5	17.6	RuEE034H36
K07E00X	KC2011	03	06.10872	03	51	36.97	+02	25	17.8	17.3	RuEE034H36
K07E00X	KC2011	03	06.11265	03	51	38.69	+02	25	15.0	17.4	RuEE034H36
K07E00X	KC2011	03	06.11658	03	51	40.40	+02	25	12.3	17.2	RuEE034H36
K10P10R	C2011	03	05.20493	07	34	28.41	+23	41	26.4	20.8	VrEE034G96
K10P10R	C2011	03	05.21393	07	34	29.02	+23	41	11.3	20.8	VrEE034G96
K10P10R	C2011	03	05.22293	07	34	29.67	+23	40	56.2	20.9	VrEE034G96
K10W09E	HC2011	03	06.15286	06	24	47.33	-21	24	35.2		oEE034291
K10X67Z	tC2011	03	06.17100	06	31	58.03	-00	43	57.7		oEE034291
K10X67Z	tC2011	03	06.17475	06	31	58.92	-00	43	58.9		oEE034291
K10X82Y	tC2011	03	06.21170	06	34	58.21	+28	16	06.9	20.9	VoEE034291
K10X82Y	tC2011	03	06.21630	06	34	59.02	+28	16	15.0	21.0	VoEE034291
K10X82Y	tC2011	03	06.22067	06	34	59.77	+28	16	22.6	21.1	VoEE034291
K11A26R	HC2011	03	06.18401	07	54	56.68	+07	20	20.5		oEE034291
K11A26R	HC2011	03	06.18782	07	54	56.54	+07	20	19.0		oEE034291
K11A26R	HC2011	03	06.19161	07	54	56.33	+07	20	16.8		oEE034291
K11A52O	C2011	03	04.82741	15	34	11.20	-00	46	42.6	17.5	RmEE034355
K11A52O	C2011	03	04.82812	15	34	11.40	-00	46	40.5	17.5	RmEE034355
K11A52O	C2011	03	04.82884	15	34	11.63	-00	46	37.8	17.4	RmEE034355
K11A52O	C2011	03	04.83172	15	34	12.53	-00	46	27.8	17.2	RmEE034355
K11A52O	C2011	03	04.83244	15	34	12.76	-00	46	25.7	17.4	RmEE034355
K11A52O	C2011	03	05.50405	15	37	41.88	-00	09	03.8	17.7	VrEE034703
K11A52O	C2011	03	05.50906	15	37	43.42	-00	08	47.6	17.4	VrEE034703
K11A52O	C2011	03	05.51412	15	37	44.90	-00	08	29.8	17.4	VrEE034703
K11A52O	C2011	03	05.51921	15	37	46.45	-00	08	14.0	17.5	VrEE034703
K11B15T	tC2011	03	06.19869	06	12	43.10	+26	27	03.0	22.4	VoEE034291
K11B15T	tC2011	03	06.20673	06	12	45.23	+26	27	03.3	22.7	VoEE034291
K11B18W	C2011	03	06.11557	04	32	27.78	+24	59	17.4	21.3	VrEE034G96
K11B18W	C2011	03	06.12537	04	32	30.51	+24	59	25.4	20.6	VrEE034G96
K11B18W	C2011	03	06.13237	04	32	32.46	+24	59	31.5	20.9	VrEE034G96
K11B18W	C2011	03	06.13929	04	32	34.40	+24	59	37.2	20.6	VrEE034G96
K11B59O	C2011	03	05.53534	08	15	57.28	+22	40	13.0	17.8	RmEE034355
K11B59O	C2011	03	05.53894	08	15	56.60	+22	40	04.5	18.0	RmEE034355
K11B59O	C2011	03	05.54037	08	15	56.29	+22	40	02.4	18.0	RmEE034355
K11B59O	C2011	03	05.54109	08	15	56.22	+22	40	00.5	17.4	RmEE034355
K11B59O	C2011	03	05.54253	08	15	55.91	+22	39	57.8	18.1	RmEE034355
K11C02G	C2011	03	06.13174	07	55	04.27	-04	16	56.9	17.7	VoEE034H26
K11C02G	C2011	03	06.13352	07	55	03.98	-04	16	59.7	17.3	VoEE034H26
K11C02G	C2011	03	06.13535	07	55	03.51	-04	17	03.3	17.5	VoEE034H26
K11C46Y	C2011	03	04.77412	12	37	16.41	+48	06	29.0	17.4	RmEE034355



K11C46Y	C2011	03	04.77484	12	37	16.67	+48	06	31.5	17.3	RmEE034355
K11C46Y	C2011	03	04.77699	12	37	17.31	+48	06	38.5	17.3	RmEE034355
K11C46Y	C2011	03	04.77772	12	37	17.47	+48	06	40.6	17.5	RmEE034355
K11C46Y	C2011	03	04.77916	12	37	17.94	+48	06	46.1	17.3	RmEE034355
K11C46Y	C2011	03	04.78059	12	37	18.37	+48	06	50.7	17.4	RmEE034355
K11C46Y	KC2011	03	05.94822	12	44	19.33	+49	18	54.8	16.1	RcEE034A53
K11C46Y	KC2011	03	05.95122	12	44	20.39	+49	19	06.9	16.7	RcEE034A53
K11C46Y	KC2011	03	05.95384	12	44	21.33	+49	19	17.3	16.6	RcEE034A53
K11C46Y	KC2011	03	05.95683	12	44	22.45	+49	19	29.3	16.9	RcEE034A53
K11C46Y	C2011	03	06.19181	12	45	56.86	+49	34	53.5	17.3	RoEE034H26
K11C46Y	C2011	03	06.19351	12	45	57.43	+49	35	00.4	17.7	RoEE034H26
K11C46Y	C2011	03	06.19524	12	45	58.18	+49	35	07.9	17.3	RoEE034H26
K11C46Y	C2011	03	06.19697	12	45	58.85	+49	35	15.0	17.3	RoEE034H26
K11C46Y	C2011	03	06.19875	12	45	59.54	+49	35	22.8	17.3	RoEE034H26
K11C46Y	C2011	03	06.20053	12	46	00.22	+49	35	30.1	17.2	RoEE034H26
K11C50M	tC2011	03	05.26296	09	15	25.32	-13	20	00.1	21.5	VoEE034291
K11C50M	tC2011	03	05.26679	09	15	24.69	-13	20	18.3	21.2	VoEE034291
K11C50M	tC2011	03	05.27132	09	15	23.99	-13	20	37.4	21.1	VoEE034291
K11C71H	C2011	03	05.52206	09	10	27.26	+35	12	11.5	17.7	RmEE034355
K11C71H	C2011	03	05.52709	09	10	26.80	+35	12	38.3	17.9	RmEE034355
K11C71H	C2011	03	05.52781	09	10	26.83	+35	12	42.4	17.4	RmEE034355
K11C71H	C2011	03	05.52853	09	10	26.72	+35	12	46.5	17.5	RmEE034355
K11C71H	C2011	03	05.52925	09	10	26.61	+35	12	49.9	17.6	RmEE034355
K11C71H	C2011	03	05.55214	09	10	24.92	+35	14	51.9	17.9	VuEE034379
K11C71H	C2011	03	05.55473	09	10	24.72	+35	15	05.7	17.9	VuEE034379
K11C71H	C2011	03	05.56295	09	10	24.09	+35	15	48.9	18.2	VuEE034379
K11C71H	C2011	03	05.56554	09	10	23.87	+35	16	02.6	18.0	VuEE034379
K11C71H	C2011	03	05.56814	09	10	23.66	+35	16	16.1	17.7	VuEE034379
K11C71H	C2011	03	05.57642	09	10	23.04	+35	17	00.2	18.1	VuEE034379
K11C71H	C2011	03	05.58470	09	10	22.36	+35	17	44.1	17.8	VuEE034379
K11C71H	C2011	03	05.58729	09	10	22.14	+35	17	57.7	18.1	VuEE034379
K11D00S	tC2011	03	05.28804	10	17	34.71	+10	53	57.4		oEE034291
K11D00S	tC2011	03	05.29188	10	17	34.13	+10	53	56.7		oEE034291
K11D00S	tC2011	03	05.29575	10	17	33.69	+10	53	58.3		oEE034291
K11D00U	C2011	03	05.31727	11	10	45.42	+02	43	18.5	19.9	VoEE034291
K11D00U	C2011	03	05.32097	11	10	44.87	+02	43	22.9	19.8	VoEE034291
K11D00U	C2011	03	05.32495	11	10	44.30	+02	43	27.7	19.9	VoEE034291
K11D00U	C2011	03	05.36145	11	10	38.96	+02	44	11.0	19.5	VrEE034G96
K11D00U	C2011	03	05.37085	11	10	37.59	+02	44	22.2	19.5	VrEE034G96
K11D00U	C2011	03	05.38017	11	10	36.22	+02	44	33.4	19.4	VrEE034G96
K11D00U	C2011	03	05.38957	11	10	34.89	+02	44	44.7	19.7	VrEE034G96
K11D04Y	JC2011	03	03.26240	10	18	17.61	+00	46	42.6	20.1	VoEE034695
K11D04Y	JC2011	03	03.26387	10	18	17.34	+00	46	44.9	19.9	VoEE034695
K11D04Y	JC2011	03	03.26517	10	18	17.08	+00	46	46.9	20.1	VoEE034695
K11D04Y	JC2011	03	03.26649	10	18	16.83	+00	46	48.6	20.1	VoEE034695
K11D09S	C2011	03	05.36001	10	39	45.88	+22	21	54.5	19.3	VoEE034291
K11D09S	C2011	03	05.36407	10	39	45.54	+22	22	00.2	19.4	VoEE034291
K11D09S	C2011	03	05.36798	10	39	45.20	+22	22	06.0	19.4	VoEE034291
K11D09U	C2011	03	05.28994	13	13	13.80	+06	22	27.3	21.2	RoEE034H01
K11D09U	C2011	03	05.29944	13	13	13.68	+06	22	28.2	21.5	RoEE034H01
K11D09U	C2011	03	05.30482	13	13	13.60	+06	22	28.5	21.3	RoEE034H01
K11D09U	C2011	03	05.31941	13	13	13.36	+06	22	29.7	21.3	RoEE034H01
K11E00B	C2011	03	05.25809	12	37	12.85	+01	05	43.1	20.4	RoEE034H01
K11E00B	C2011	03	05.26521	12	37	14.50	+01	05	46.3	20.9	RoEE034H01
K11E00B	C2011	03	05.27212	12	37	16.15	+01	05	49.1	20.9	RoEE034H01
K11E00B	C2011	03	05.28458	12	37	19.05	+01	05	54.3	20.6	RoEE034H01
K11E04S	tC2011	03	06.22730	08	36	49.94	+12	51	25.7	20.3	VoEE034291
K11E04S	tC2011	03	06.23118	08	36	45.87	+12	51	14.9	20.6	VoEE034291
K11E04S	tC2011	03	06.23495	08	36	41.98	+12	51	05.1	20.3	VoEE034291
K11E04T	C2011	03	04.74672	11	56	09.47	+10	09	45.0	18.0	RmEE034355
K11E04T	C2011	03	04.74961	11	56	08.17	+10	09	19.0	17.6	RmEE034355
K11E04T	C2011	03	04.75176	11	56	07.20	+10	09	00.6	18.3	RmEE034355
K11E04T	C2011	03	04.75321	11	56	06.50	+10	08	48.6	17.1	RmEE034355
K11E04T	C2011	03	04.75392	11	56	06.15	+10	08	41.9	18.5	RmEE034355
K11E04T	C2011	03	05.35773	11	51	37.02	+08	42	10.1	18.2	cEE034704
K11E04T	C2011	03	05.37103	11	51	30.83	+08	40	15.5	18.6	cEE034704
K11E04T	C2011	03	05.38425	11	51	24.77	+08	38	21.3	18.8	cEE034704
K11E04T	C2011	03	05.39702	11	51	18.81	+08	36	31.2	18.5	cEE034704
K11E04T	C2011	03	05.40977	11	51	12.95	+08	34	41.0	18.3	cEE034704
K11E04T	C2011	03	06.18014	11	45	32.94	+06	43	47.8	17.9	RoEE034H26
K11E04T	C2011	03	06.18189	11	45	32.09	+06	43	32.1	17.4	RoEE034H26
K11E04T	C2011	03	06.18541	11	45	30.57	+06	43	03.1	17.3	RoEE034H26
K11E04W	tC2011	03	06.23994	09	17	08.97	+05	21	34.7	21.7	VoEE034291
K11E04W	tC2011	03	06.24410	09	17	07.81	+05	21	29.3	21.4	VoEE034291
K11E04W	tC2011	03	06.24777	09	17	06.71	+05	21	23.9	21.6	VoEE034291
K11E04X	KC2011	03	04.97502	11	19	32.93	+16	25	22.2	18.8	RrEE034A17
K11E04X	KC2011	03	04.98674	11	19	24.83	+16	26	26.5	19.0	RrEE034A17
K11E04X	KC2011	03	04.99846	11	19	16.74	+16	27	31.1	18.8	RrEE034A17
K11E04X	C2011	03	06.14008	11	07	38.55	+18	05	07.2	18.9	RoEE034H26
K11E04X	C2011	03	06.14177	11	07	37.53	+18	05	14.4	18.4	RoEE034H26
K11E04X	C2011	03	06.14352	11	07	36.38	+18	05	21.7	19.3	RoEE034H26
K11E04X	C2011	03	06.14527	11	07	35.41	+18	05	31.9	19.2	RoEE034H26
K11E04X	C2011	03	06.14696	11	07	34.34	+18	05	39.3	19.1	RoEE034H26
K11E11L	C2011	03	06.27989	10	47	25.91	+03	10	20.6	21.3	VoEE034291
K11E11L	C2011	03	06.28371	10	47	25.43	+03	10	23.5	21.3	VoEE034291
K11E11L	C2011	03	06.28747	10	47	25.03	+03	10	26.0	21.2	VoEE034291

	K11E11M	C2011	03	06.20271	11	10	32.23	+05	24	40.3	19.5	RoEE034H26
	K11E11M	C2011	03	06.20444	11	10	33.06	+05	24	50.7	19.4	RoEE034H26
	K11E11M	C2011	03	06.20618	11	10	33.93	+05	25	00.5	18.9	RoEE034H26
	K11E12B	KC2011	03	05.83652	10	11	20.38	+28	41	42.4	19.2	RoEE034C44
	K11E12B	KC2011	03	05.83888	10	11	19.23	+28	41	32.3	18.8	RoEE034C44
	K11E12B	KC2011	03	05.84155	10	11	17.93	+28	41	20.3	18.9	RoEE034C44
	K11E12B	KC2011	03	05.84404	10	11	16.66	+28	41	08.6	19.2	RoEE034C44
	K11E12B	KC2011	03	05.87204	10	11	02.75	+28	39	00.9	19.5	VuEE034A13
	K11E12B	KC2011	03	05.87509	10	11	01.26	+28	38	47.3	19.2	VuEE034A13
	K11E12B	KC2011	03	05.89410	10	10	51.80	+28	37	21.3	19.3	VuEE034A13
	K11E12B	KC2011	03	05.89715	10	10	50.25	+28	37	07.4	19.2	VuEE034A13
	K11E12C	KC2011	03	05.87801	11	23	52.66	+20	10	04.9	18.5	VuEE034A13
	K11E12C	KC2011	03	05.87922	11	23	49.45	+20	10	16.7		uEE034595
	K11E12C	KC2011	03	05.88038	11	23	48.73	+20	10	09.3	18.8	VuEE034A13
	K11E12C	KC2011	03	05.88641	11	23	37.54	+20	10	30.6	18.9	VuEE034595
	K11E12C	KC2011	03	05.89364	11	23	25.47	+20	10	43.1		uEE034595
	K11E12C	KC2011	03	05.90082	11	23	14.79	+20	10	47.4	18.6	VuEE034A13
	K11E12C	KC2011	03	05.90239	11	23	12.19	+20	10	50.1	18.6	VuEE034A13
	K11E12D	KC2011	03	05.88916	11	54	03.74	+21	11	04.1	17.9	RoEE034C44
	K11E12D	KC2011	03	05.89089	11	54	02.91	+21	10	31.0	17.5	RoEE034C44
	K11E12D	KC2011	03	05.89344	11	54	01.66	+21	09	42.4	17.7	RoEE034C44
	K11E12D	KC2011	03	05.89576	11	54	00.54	+21	08	58.5	17.7	RoEE034C44
	K11E12D	KC2011	03	05.90043	11	53	58.23	+21	07	30.1	17.9	RoEE034C44
	K11E16W	tC2011	03	06.25244	10	14	22.89	+10	08	17.6	21.3	VoEE034291
	K11E16W	tC2011	03	06.25630	10	14	22.53	+10	08	38.7	21.6	VoEE034291
	K11E16W	tC2011	03	06.26323	10	14	22.10	+10	09	11.6	21.7	VoEE034291
01864		KC2011	03	04.77486	08	59	46.61	+43	57	27.1	17.9	VuEE034240
01864		KC2011	03	04.77854	08	59	46.25	+43	57	24.9	17.9	VuEE034240
01864		KC2011	03	04.78039	08	59	46.05	+43	57	24.0	17.9	VuEE034240
01864		KC2011	03	04.78260	08	59	45.82	+43	57	22.8	17.9	VuEE034240
01864		KC2011	03	04.78665	08	59	45.43	+43	57	20.6	17.9	VuEE034240
01864		KC2011	03	04.79180	08	59	44.89	+43	57	17.9	17.9	VuEE034240
01864		KC2011	03	04.81035	08	59	43.03	+43	57	07.8	18.0	VuEE034240
01864		KC2011	03	04.81735	08	59	42.31	+43	57	04.0	18.2	VuEE034240
04401		C2011	03	05.47987	14	09	53.64	+02	51	37.5	18.1	VrEE034703
04401		C2011	03	05.48622	14	09	53.02	+02	51	35.0	18.3	VrEE034703
04401		C2011	03	05.49259	14	09	52.45	+02	51	31.8	18.4	VrEE034703
04401		C2011	03	05.49892	14	09	51.94	+02	51	30.0	18.5	VrEE034703
06037		C2011	03	05.48313	15	28	28.56	-17	48	34.7	20.2	VrEE034G96
06037		C2011	03	05.49150	15	28	28.27	-17	48	31.5	19.9	VrEE034G96
06037		C2011	03	05.49977	15	28	27.98	-17	48	28.4	19.9	VrEE034G96
06037		C2011	03	05.50807	15	28	27.69	-17	48	24.9	19.9	VrEE034G96
07474		C2011	03	05.26360	11	28	29.71	+18	20	27.0	20.5	VrEE034703
07474		C2011	03	05.27244	11	28	29.02	+18	20	33.2	20.1	VrEE034703
07474		C2011	03	05.28133	11	28	28.12	+18	20	40.4	20.3	VrEE034703
07474		C2011	03	05.29023	11	28	27.22	+18	20	44.9	20.2	VrEE034703
36284		C2011	03	05.51405	08	21	23.10	+02	34	20.5	16.5	VuEE034379
36284		C2011	03	05.51590	08	21	22.65	+02	34	17.9	16.4	VuEE034379
36284		C2011	03	05.52250	08	21	21.08	+02	34	09.3	16.3	VuEE034379
36284		C2011	03	05.54015	08	21	16.87	+02	33	46.1	16.4	VuEE034379
36284		C2011	03	05.54201	08	21	16.45	+02	33	43.8	16.5	VuEE034379
36284		KC2011	03	05.90004	08	19	53.08	+02	25	52.8	15.4	RcEE034A53
36284		KC2011	03	05.90335	08	19	52.34	+02	25	48.3	16.3	RcEE034A53
36284		KC2011	03	05.90810	08	19	51.20	+02	25	42.4	15.9	RcEE034A53
36284		KC2011	03	05.91061	08	19	50.62	+02	25	38.8	15.4	RcEE034A53
40267		C2011	03	05.30395	11	29	57.04	+23	52	02.3	18.5	VrEE034703
40267		C2011	03	05.31307	11	29	55.82	+23	52	13.4	18.8	VrEE034703
40267		C2011	03	05.32221	11	29	54.63	+23	52	24.6	18.9	VrEE034703
40267		C2011	03	05.33139	11	29	53.34	+23	52	36.3	18.5	VrEE034703
53435		C2011	03	05.44745	13	36	15.01	+06	31	28.0	18.8	VrEE034703
53435		C2011	03	05.45328	13	36	14.76	+06	31	29.5	19.2	VrEE034703
53435		C2011	03	05.45911	13	36	14.50	+06	31	31.3	18.9	VrEE034703
53435		C2011	03	05.46498	13	36	14.25	+06	31	33.6	19.0	VrEE034703
85990		C2011	03	05.22597	10	37	49.11	+23	03	17.5	18.5	VrEE034703
85990		C2011	03	05.23406	10	37	47.53	+23	03	28.3	18.8	VrEE034703
85990		C2011	03	05.24204	10	37	46.02	+23	03	38.1	18.5	VrEE034703
85990		C2011	03	05.25012	10	37	44.43	+23	03	48.6	18.8	VrEE034703
E4332		KC2011	03	06.03969	13	50	21.81	+17	13	12.9	18.8	RcEE034A53
E4332		KC2011	03	06.04512	13	50	21.64	+17	13	29.5	18.4	RcEE034A53
E4332		KC2011	03	06.05078	13	50	21.46	+17	13	46.5	18.5	RcEE034A53
H5189		C2011	03	03.84085	09	41	55.51	+12	11	18.9	20.0	VoEE034A50
H5189		C2011	03	03.85851	09	41	54.01	+12	11	27.2	20.1	VoEE034A50
H5189		C2011	03	03.87664	09	41	52.48	+12	11	35.7	19.9	VoEE034A50
H5706		C2011	03	05.20341	07	29	22.27	+19	46	56.9	19.1	VrEE034G96
H5706		C2011	03	05.20416	07	29	22.23	+19	46	57.1	19.0	VrEE034G96
H5706		C2011	03	05.21240	07	29	21.94	+19	46	57.2	19.3	VrEE034G96
H5706		C2011	03	05.21315	07	29	21.94	+19	46	57.0	19.3	VrEE034G96
H5706		C2011	03	05.22144	07	29	21.69	+19	46	57.3	19.2	VrEE034G96
H5706		C2011	03	05.22219	07	29	21.66	+19	46	57.1	19.2	VrEE034G96
H5706		C2011	03	05.23127	07	29	21.40	+19	46	57.2	19.0	VrEE034G96
M8368		KC2011	03	05.92171	12	08	51.21	+38	30	37.3	19.3	VuEE034A13
M8368		KC2011	03	05.94319	12	08	47.84	+38	31	20.5	19.8	VuEE034A13

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