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MPEC 2021-K98 : DAILY ORBIT UPDATE (2021 May 30)

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M.P.E.C. 2021-K98

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DAILY ORBIT UPDATE (2021 May 30)

Update to 2021-K94

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

New identifications:

K05UD5Z	K11Y50H	Weryk	
K11UM7E	K11W18D	Weryk	
K11SD9E	K13CM1A	Weryk	
K10T93X	K13H62O	Weryk	
K11FC2H	K16UG1O	Weryk	
K13TL4V	K17O25E	Weryk	
K05JH4F	K16UC2V	K19J17T	Weryk
K14H45E	K16U70C	Weryk	
K15XC9K	K21J08E	Odasso	
K15XY1M	K19T41Q	Weryk	
K16E56F	K21F00Z	Odasso	
K07R78F	K20S78Z	Weryk	
K09W13C	K13T55C	Weryk	
K13Q25L	K14UG0V	Weryk	
K14W96A	K19R26H	Weryk	
K09SV0A	K20RA1N	Weryk	
K16P10D	K17U42B	Weryk	
K20S44F	K03Ui6W	Weryk	
K06J62G	K13Q45L	Weryk	
K05X39G	K20S45D	Weryk	
K03UY6C	K19R55W	Weryk	
K10N81T	K16F14Z	Manca	
K16S30V	K10RK7X	Weryk	
K10S13Q	K14Q13J	Weryk	
K11K14R	K12Q07H	Weryk	
K14QK9Z	K15X27A	Weryk	
K12U01R	K15RC9A	K18P11D	Weryk
K16QC3E	K14EC1W	Weryk	
K07Ra7V	K18R53C	Weryk	
K06W59B	K20P49P	Weryk	
K06SM6E	K20P61L	Weryk	
K09SA9A	K20Q56E	Weryk	
K04RS3G	K20Q56O	Weryk	
K06SZ9Q	K20Q63D	Weryk	
K13B17L	K20R90X	Weryk	

K05WJ9L	K20RA2C	Weryk
K10T30Y	K20RA3Z	Weryk
K03Sa8F	K16GL2D	Weryk
K06C16X	K14QI1Q	Weryk
K11P01W	K15MB6R	Weryk
K04CC0B	K09S54A	Weryk
K14QB2Q	K15XY3V	Weryk
K10P64P	K10R93S	Weryk
K07RR1Y	K20S59J	Weryk
K15Bb3G	K20Q75L	Weryk
K09WF4D	K13M10M	Weryk
K13T55H	K20R79J	Weryk
K04TS3W	K10OB1E	Weryk
K05V70T	K20D03H	Weryk
K10C76D	K17G17C	Weryk
K12K24T	K10CP2V	Weryk
K10R05B	K10LF4M	Weryk

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J98S18T	17.0	0.15	K20CH	199.308	187.559	180.773	15.455	0.14593	2.87729	6	X
J99U66V	16.7	0.15	K20CH	350.689	119.450	206.769	10.418	0.08990	3.13600	6	V
K00AP8R	16.7	0.15	K20CH	237.106	253.600	88.176	20.890	0.26656	2.80663	8	X
K00E15S	17.4	0.15	K20CH	302.996	82.541	168.934	12.733	0.07947	2.56491	8	X
K00EG0T	17.3	0.15	K20CH	328.413	61.301	154.963	9.736	0.12234	2.57301	10	X
K00O62H	16.7	0.15	K20CH	125.350	294.236	130.136	11.712	0.03677	3.13494	8	X
K00Q02S	17.9	0.15	K20CH	270.134	127.130	172.316	11.347	0.15644	2.67223	8	X
K00T47J	16.7	0.15	K20CH	189.563	196.474	168.988	11.960	0.10756	2.71250	10	X
K00WK0J	17.1	0.15	K20CH	184.503	231.101	144.929	14.911	0.09766	2.73277	10	X
K01K84G	16.8	0.15	K20CH	158.533	281.672	111.628	10.893	0.10477	2.96613	10	X
K01QP2M	17.0	0.15	K20CH	210.240	214.048	138.535	14.650	0.18608	2.59276	8	X
K01RF8M	17.0	0.15	K20CH	237.435	150.557	165.667	10.098	0.06197	3.06206	6	V
K01UN2Q	15.5	0.15	K20CH	231.246	222.336	103.874	12.073	0.05357	3.10752	15	X
K01VC9G	15.1	0.15	K20CH	9.049	50.142	134.771	11.593	0.10567	3.97414	10	X
K01VD5H	16.9	0.15	K20CH	105.497	310.180	130.326	11.670	0.08316	3.18001	8	X
K02AL4U	17.5	0.15	K20CH	185.445	232.189	144.066	12.419	0.14636	2.64042	7	X
K02M00V	17.6	0.15	K20CH	277.211	174.254	134.206	10.704	0.28312	2.84375	4	X
K02M03O	16.7	0.15	K20CH	324.774	123.834	95.976	60.800	0.22921	2.44034	6	X
K02N41B	17.6	0.15	K20CH	269.321	160.996	111.374	24.104	0.05365	1.96332	9	X
K02N75C	18.4	0.15	K20CH	248.680	155.316	137.106	26.321	0.10614	1.96893	6	X
K02QD4F	17.4	0.15	K20CH	143.253	252.290	146.996	14.136	0.08816	2.53190	9	X
K02RT8N	16.9	0.15	K20CH	249.011	164.021	146.284	11.125	0.09031	2.98173	8	X
K02TY8V	16.6	0.15	K20CH	192.264	237.586	127.002	10.505	0.06495	3.01650	12	X
K03G21H	21.5	0.15	K20CH	316.401	311.818	198.429	20.097	0.26215	1.48260	3	X
K03G22Q	21.4	0.15	K20CH	86.500	168.761	199.502	17.020	0.18191	0.87200	3	X
K03J17C	17.8	0.15	K20CH	350.772	40.513	80.667	27.322	0.71670	2.34304	4	X
K03K37S	17.9	0.15	K20CH	261.588	172.345	131.211	10.514	0.19059	2.35560	8	X
K03S74Z	16.9	0.15	K20CH	219.942	166.052	187.183	24.871	0.14829	2.84407	8	X
K03SA5E	18.3	0.15	K20CH	151.786	189.734	196.591	21.490	0.08748	1.91884	7	X
K03Sa8F	17.4	0.15	K20CH	123.445	168.530	243.602	1.378	0.04882	2.89954	8	V
K03S11E	17.3	0.15	K20CH	136.374	143.243	206.540	11.914	0.24955	2.97073	5	V
K03UY6C	17.4	0.15	K20CH	114.973	281.779	20.485	2.504	0.19690	3.07459	3	V
K03Y17P	19.1	0.15	K20CH	324.965	31.239	144.360	4.896	0.48505	2.00159	4	X
K04BH2O	16.5	0.15	K20CH	132.988	311.552	104.086	15.961	0.04672	3.02162	10	X
K04C86S	17.2	0.15	K20CH	21.005	33.881	121.184	14.388	0.13128	2.57606	9	X
K04CC0B	19.1	0.15	K20CH	46.406	106.753	338.779	6.060	0.10708	2.24509	4	V
K04CD5R	18.2	0.15	K20CH	350.149	44.987	144.465	10.120	0.12145	2.57292	5	X
K04D67Q	16.8	0.15	K20CH	136.742	293.728	117.868	11.230	0.08636	3.04185	8	X
K04D80Z	16.3	0.15	K20CH	108.619	279.135	155.577	16.674	0.24330	3.03937	9	X
K04D82M	16.3	0.15	K20CH	269.381	149.981	155.077	11.697	0.12858	3.05720	9	X
K04E47B	18.2	0.15	K20CH	8.763	6.919	170.789	17.795	0.14395	3.12924	3	X
K04FH2Z	16.7	0.15	K20CH	141.775	277.147	135.567	11.946	0.13620	3.08868	10	X
K04G07D	17.9	0.15	K20CH	306.192	85.708	167.691	13.596	0.22216	2.59686	4	X
K04H85W	15.8	0.15	K20CH	272.660	210.977	85.430	27.580	0.11639	3.19612	5	X
K04J57L	16.3	0.15	K20CH	184.420	279.473	98.424	14.810	0.11262	3.19477	10	X
K04J58R	17.4	0.15	K20CH	294.154	99.372	170.072	12.596	0.09496	3.20563	5	X
K04K07Q	16.2	0.15	K20CH	32.159	29.960	131.542	16.478	0.05236	3.20620	11	X
K04K21C	17.0	0.15	K20CH	195.715	237.901	133.078	13.271	0.18057	2.64329	13	X
K04L32P	17.8	0.15	K20CH	256.580	156.748	156.424	13.082	0.16458	2.65010	8	X
K04RQ3F	18.1	0.15	K20CH	301.871	98.689	169.083	12.687	0.23805	2.69422	4	X
K04RS3G	20.0	0.15	K20CH	61.291	300.739	2.470	3.689	0.20164	2.17298	2	V
K04TS3W	15.7	0.15	K20CH	339.954	302.629	17.230	21.275	0.13968	3.19759	7	V
K05A66S	16.7	0.15	K20CH	199.424	239.417	125.817	15.315	0.13989	2.86513	10	X
K05F20L	16.9	0.15	K20CH	275.382	239.948	13.045	11.203	0.09455	3.06453	6	V
K05G00G	17.2	0.15	K20CH	333.033	191.010	33.287	16.780	0.23794	3.05265	4	V
K05JH4F	17.7	0.15	K20CH	339.457	162.316	209.144	4.232	0.01379	2.79098	8	V
K05JJ5H	16.6	0.15	K20CH	260.388	144.774	129.301	10.117	0.14101	3.14374	6	V
K05L35W	17.9	0.15	K20CH	242.449	213.621	121.710	9.193	0.29986	2.55087	6	X
K05L57A	17.7	0.15	K20CH	271.680	138.851	150.143	12.595	0.13888	2.54152	6	X
K05L58A	16.2	0.15	K20CH	336.964	126.533	95.486	16.724	0.15297	3.11857	8	X
K05N29F	16.2	0.15	K20CH	235.718	192.681	140.797	12.492	0.08955	3.18557	11	X
K05ND1E	18.8	0.15	K20CH	288.222	142.225	122.911	8.427	0.15730	2.20370	5	X
K05Q43L	16.3	0.15	K20CH	258.320	154.290	176.246	14.962	0.28243	3.16951	8	X
K05QB2Q	17.7	0.15	K20CH	269.620	128.826	167.277	13.809	0.18101	2.60249	9	X
K05QB5T	17.8	0.15	K20CH	301.769	104.115	158.578	9.204	0.20940	2.58033	4	X
K05QF9B	17.5	0.15	K20CH	174.046	225.426	162.479	13.932	0.16044	2.64784	8	X
K05QJ3Z	17.8	0.15	K20CH	282.702	131.115	160.948	11.397	0.26406	2.57139	6	X
K05QK7M	17.4	0.15	K20CH	174.354	207.533	332.479	27.123	0.16769	2.90959	5	V
K05QK7N	17.6	0.15	K20CH	184.696	49.016	0.670	14.428	0.11206	2.60394	4	V
K05R18R	17.9	0.15	K20CH	245.064	160.561	170.595	12.005	0.19580	2.60078	3	X
K05SU2T	17.4	0.15	K20CH	318.931	114.332	121.626	12.679	0.20336	2.65652	4	X
K05UD5Z	17.1	0.15	K20CH	309.474	10.816	28.317	9.520	0.08044	3.01448	4	V
K05V70T	17.7	0.15	K20CH	53.244	281.008	228.493	21.752	0.42049	2.77427	3	V

K05WJ9L	19.1	0.15	K20CH	8.018	0.539	14.949	1.549	0.18402	2.45558	3	V
K05X39G	19.1	0.15	K20CH	351.995	157.407	256.801	4.516	0.17784	2.43200	4	V
K05X47V	16.7	0.15	K20CH	165.382	308.293	78.097	26.384	0.09085	2.73665	7	X
K06BU0V	17.4	0.15	K20CH	48.544	339.546	139.959	2.817	0.01668	2.86836	7	V
K06C16X	16.6	0.15	K20CH	149.560	284.703	296.049	8.198	0.04456	3.15797	6	V
K06C31W	16.6	0.15	K20CH	46.728	334.784	163.790	13.131	0.03152	2.83735	9	X
K06DK8X	17.2	0.15	K20CH	117.613	265.953	158.539	11.057	0.12979	2.85522	6	X
K06DM6A	18.4	0.15	K20CH	336.039	296.375	221.749	1.727	0.13959	2.43715	10	V
K06J62G	17.5	0.15	K20CH	359.134	19.900	141.635	2.734	0.00953	2.86838	7	V
K06K73Z	16.4	0.15	K20CH	139.910	295.528	115.054	11.986	0.13261	2.97274	10	X
K06M01W	19.8	0.15	K20CH	309.579	173.328	96.593	19.541	0.51903	2.41726	4	X
K06O39Y	16.7	0.15	K20CH	117.604	285.100	134.786	13.866	0.17234	3.15033	6	X
K06QK4S	17.1	0.15	K20CH	306.560	90.255	166.261	11.768	0.08840	3.08975	6	X
K06QK6L	18.8	0.15	K20CH	136.280	43.644	356.206	2.986	0.22540	2.56260	3	V
K06S13M	16.1	0.15	K20CH	158.507	226.997	176.394	16.509	0.23665	3.17383	8	X
K06S82Q	16.5	0.15	K20CH	326.039	51.014	186.567	14.694	0.13049	3.14278	7	X
K06SF8V	17.0	0.15	K20CH	299.517	87.964	180.088	15.555	0.15763	3.09151	8	X
K06SM6E	20.0	0.15	K20CH	33.483	18.599	317.406	4.189	0.24323	2.31227	3	V
K06SZ9Q	19.4	0.15	K20CH	46.655	321.300	0.932	5.188	0.20311	2.31575	3	V
K06TC0T	18.4	0.15	K20CH	233.135	172.159	154.695	11.379	0.09575	2.54744	7	X
K06UX3U	16.9	0.15	K20CH	240.369	176.890	157.488	13.013	0.18937	3.14729	6	X
K06Ua6R	16.4	0.15	K20CH	109.762	301.568	143.775	13.652	0.06258	3.23092	10	X
K06Uc9D	17.0	0.15	K20CH	231.251	96.158	252.361	8.575	0.12423	3.13516	4	V
K06W59B	19.1	0.15	K20CH	355.721	76.426	308.197	4.165	0.23493	2.34305	2	V
K06WL8S	16.2	0.15	K20CH	200.679	273.667	95.676	18.180	0.19937	3.17241	8	X
K06WN4P	17.2	0.15	K20CH	321.133	252.254	288.349	11.942	0.15134	2.74842	5	V
K06X08S	17.0	0.15	K20CH	95.290	345.574	86.308	16.131	0.23095	2.64843	7	X
K06X09G	17.5	0.15	K20CH	100.707	359.541	86.137	22.905	0.04871	2.64070	5	X
K07B37J	17.7	0.15	K20CH	134.406	290.562	125.813	14.531	0.10393	2.65301	8	X
K07C82C	15.9	0.15	K20CH	112.653	299.082	140.267	17.893	0.12259	3.42613	9	X
K07H95R	17.6	0.15	K20CH	27.569	6.431	140.703	12.209	0.17738	2.79983	6	X
K07HB4F	17.5	0.15	K20CH	349.583	100.565	99.564	15.501	0.09742	2.81067	3	X
K07HB4J	17.7	0.15	K20CH	332.883	187.557	30.325	5.343	0.09828	2.78595	4	V
K07HB4K	17.2	0.15	K20CH	160.965	104.735	63.349	17.431	0.24969	3.19914	4	V
K07J23V	18.4	0.15	K20CH	2.820	320.022	202.439	21.336	0.19301	2.31805	6	X
K07R69W	17.2	0.15	K20CH	184.876	214.617	153.459	10.532	0.04168	2.99313	6	X
K07R78F	18.7	0.15	K20CH	56.577	20.288	300.154	1.218	0.20709	2.62723	2	V
K07RI3H	16.4	0.15	K20CH	85.714	272.668	172.050	16.404	0.24113	3.11273	9	X
K07RR1Y	19.0	0.15	K20CH	26.865	50.656	305.587	3.415	0.17555	2.66125	2	V
K07Ra7V	16.5	0.15	K20CH	105.060	47.577	357.041	12.000	0.02538	3.09718	7	V
K07Ra8G	17.4	0.15	K20CH	150.829	66.603	304.413	3.490	0.24303	3.08305	5	V
K07Ra8H	17.2	0.15	K20CH	204.831	36.377	354.541	6.826	0.07826	2.94026	6	V
K07Ra8J	18.7	0.15	K20CH	267.983	309.164	334.678	4.081	0.22354	2.37767	3	V
K07Ra8K	17.1	0.15	K20CH	155.224	20.217	349.617	4.621	0.13672	3.06608	6	V
K07Tn5H	17.0	0.15	K20CH	84.822	268.500	77.090	12.569	0.20720	2.58141	7	V
K07Tn5J	18.3	0.15	K20CH	189.338	216.052	160.106	3.078	0.09499	2.43679	7	V
K07Tn5K	18.1	0.15	K20CH	250.950	282.137	67.163	6.412	0.16602	2.37810	6	V
K07Tn5L	16.8	0.15	K20CH	169.777	336.845	49.041	11.366	0.10256	3.09839	5	V
K07Tn5M	16.7	0.15	K20CH	113.530	223.315	188.803	9.094	0.09361	3.17042	6	V
K07UF4T	16.4	0.15	K20CH	51.815	58.296	63.410	26.367	0.15081	3.17864	6	X
K07UG1L	17.8	0.15	K20CH	325.841	136.835	252.106	7.902	0.20768	2.75212	5	V
K07UG1M	17.3	0.15	K20CH	257.224	36.099	35.015	6.622	0.04299	2.76653	6	V
K07VW1P	16.3	0.15	K20CH	99.477	355.080	78.482	19.435	0.19486	3.19065	9	X
K07VY8J	16.6	0.15	K20CH	143.865	293.117	110.360	10.976	0.24589	3.12776	9	X
K07Vb4P	17.2	0.15	K20CH	215.275	290.766	52.198	11.359	0.15438	3.04112	5	V
K07X63T	16.5	0.15	K20CH	217.261	265.822	78.496	18.450	0.13940	3.10006	10	X
K07X64D	16.4	0.15	K20CH	213.218	249.152	103.273	11.973	0.13213	3.15405	6	X
K08A49W	18.2	0.15	K20CH	9.040	52.949	106.973	10.888	0.18276	2.58213	7	X
K08AA6M	15.5	0.15	K20CH	226.730	238.439	100.149	15.113	0.06278	3.18814	10	X
K08C92T	17.9	0.15	K20CH	33.311	357.195	136.844	9.399	0.18785	2.60614	5	X
K08CO4Y	17.3	0.15	K20CH	169.810	170.232	285.472	8.001	0.03440	3.13229	5	V
K08D50J	16.0	0.15	K20CH	211.689	255.731	107.617	13.233	0.18582	3.18625	10	X
K08D98E	17.7	0.15	K20CH	111.074	121.172	67.836	5.789	0.24246	3.10057	4	V
K08EB9X	17.6	0.15	K20CH	57.262	290.623	173.445	13.132	0.22597	2.61807	7	X
K08EH5C	17.3	0.15	K20CH	267.659	197.653	113.113	15.796	0.25040	2.61061	7	X
K08EH9R	16.1	0.15	K20CH	209.317	193.252	161.787	16.772	0.09951	3.37702	6	X
K08EJ4P	16.7	0.15	K20CH	139.728	81.867	37.116	8.657	0.09331	3.22890	9	V
K08EJ4Q	16.7	0.15	K20CH	97.212	29.711	177.551	14.248	0.03690	3.10356	6	V
K08FA6E	18.3	0.15	K20CH	341.598	17.284	181.730	13.627	0.19032	2.64888	2	X
K08G88A	18.1	0.15	K20CH	326.694	35.965	187.055	13.782	0.21522	2.64270	2	X
K08GC7O	17.2	0.15	K20CH	62.235	319.090	156.388	11.485	0.10443	2.67534	10	X
K08GC7P	17.2	0.15	K20CH	97.568	8.909	75.401	22.766	0.03383	2.67988	6	X
K08GF4Q	17.6	0.15	K20CH	270.676	130.493	171.977	15.421	0.25589	2.61871	5	X
K08GF7D	18.3	0.15	K20CH	27.426	287.579	198.801	26.064	0.32716	2.64757	4	X
K08GH1T	19.4	0.15	K20CH	6.568	314.145	206.442	20.609	0.06492	1.88788	2	X
K08GH2H	18.9	0.15	K20CH	330.838	28.852	190.838	18.119	0.18492	2.64277	2	X
K08GH2Q	18.9	0.15	K20CH	211.882	87.830	148.013	5.260	0.11003	2.29541	4	V
K08H73V	17.8	0.15	K20CH	335.715	75.347	136.135	13.709	0.23396	2.65699	3	X
K08J43G	16.8	0.15	K20CH	202.729	248.532	105.526	15.290	0.14475	2.70846	9	X
K08K11P	17.1	0.15	K20CH	284.733	177.371	114.697	14.748	0.24056	2.67608	8	X
K08K13S	17.8	0.15	K20CH	4.808	347.170	179.452	13.318	0.18675	2.67932	5	X
K08K39X	17.5	0.15	K20CH	157.602	275.768	117.317	12.036	0.07901	2.69533	10	X
K08L20W	17.1	0.15	K20CH	237.473	210.928	108.941	15.685	0.09626	2.67339	7	X
K08M05X	17.5	0.15	K20CH	266.774	195.830	151.282	9.900	0.12912	2.67690	5	V
K08RH6M	18.7	0.15	K20CH	129.802	320.786	73.392	2.547	0.18640	2.36181	5	V
K08UX2Z	16.3	0.15	K20CH	339.808	72.137	95.625	27.452	0.17643	3.06306	9	X
K08Uf2Z	16.7	0.15	K20CH	290.087	21.645	228.334	18.122	0.05925	2.96251	6	V
K08VA3T	17.2	0.15	K20CH	146.910	168.506	209.673	8.449	0.06970	2.99001	5	V
K08W93Y	15.9	0.15	K20CH	265.984	191.767	99.426	11.622	0.04499	3.02440	10	X
K08WG1U	17.1	0.15	K20CH	51.826	211.302	166.453	4.676	0.16488	3.24807	5	V
K08X68E	16.7	0.15	K20CH	61.228	139.679	302.186	17.274	0.11257	3.18784	4	V
K09A20S	16.4	0.15	K20CH	23.701	31.882	116.742	15.828	0.23713	3.16156	5	X
K09A40N	17.3	0.15	K20CH	35.432	19.409	127.239	10.956	0.08742	3.12647	4	X

K09A52E	17.4	0.15	K20CH	34.739	27.370	137.935	11.376	0.16845	3.14275	4	X
K09A63H	16.8	0.15	K20CH	162.201	266.938	119.286	9.885	0.15019	3.05628	6	V
K09B13G	16.5	0.15	K20CH	64.814	333.637	134.709	11.653	0.19613	3.12563	9	X
K09BG1B	16.6	0.15	K20CH	72.319	317.497	150.431	13.076	0.19043	3.11967	7	X
K09BI5C	16.3	0.15	K20CH	134.678	256.162	152.956	16.464	0.15521	3.11130	11	X
K09BI5P	16.6	0.15	K20CH	72.799	313.977	148.739	13.021	0.21771	3.14035	7	X
K09BJ5L	16.9	0.15	K20CH	225.820	201.033	140.433	12.992	0.08947	3.07439	7	X
K09BJ6M	16.7	0.15	K20CH	198.561	235.571	133.267	12.889	0.14890	3.05437	6	X
K09BJ9Z	16.8	0.15	K20CH	102.692	325.762	126.237	13.445	0.06283	3.12709	7	X
K09BK3F	16.9	0.15	K20CH	341.166	79.080	137.689	10.609	0.16159	3.13069	5	X
K09BK5O	16.7	0.15	K20CH	194.532	242.575	116.093	11.462	0.05553	3.09778	9	X
K09C46A	17.1	0.15	K20CH	60.603	354.656	133.027	14.758	0.10244	3.10752	6	X
K09C60P	17.0	0.15	K20CH	53.736	330.481	153.996	14.626	0.16203	3.17906	5	X
K09C67W	16.0	0.15	K20CH	276.143	150.933	124.694	14.109	0.02188	3.13615	9	X
K09C72E	16.7	0.15	K20CH	173.097	254.522	127.290	10.062	0.04549	3.13945	7	X
K09D25X	17.0	0.15	K20CH	330.723	81.167	140.937	11.846	0.10258	3.18578	6	X
K09DF8E	16.4	0.15	K20CH	336.063	11.311	158.341	12.780	0.02304	3.37810	8	V
K09E06M	16.8	0.15	K20CH	205.097	215.285	137.715	10.879	0.07208	3.17270	5	X
K09F06O	16.1	0.15	K20CH	236.789	164.349	157.037	16.358	0.07854	3.15221	11	X
K09H49G	16.6	0.15	K20CH	60.670	304.823	169.759	15.560	0.09097	2.54259	10	X
K09K17U	17.7	0.15	K20CH	19.697	69.812	93.969	15.498	0.03442	2.53419	9	X
K09P12Z	17.9	0.15	K20CH	256.987	159.772	163.811	14.476	0.26687	2.61466	4	X
K09Q45D	17.1	0.15	K20CH	228.272	182.708	170.803	15.082	0.26679	2.62804	6	X
K09SA9A	19.3	0.15	K20CH	35.538	24.851	302.819	4.822	0.26018	2.38291	2	V
K09SQ3A	17.2	0.15	K20CH	164.771	210.454	176.492	14.996	0.19727	2.72515	8	X
K09SV0A	17.1	0.15	K20CH	339.917	39.851	359.117	16.245	0.21056	3.16403	3	V
K09Sf4G	18.0	0.15	K20CH	190.995	313.597	58.102	5.972	0.13280	2.71512	5	V
K09UI5E	16.6	0.15	K20CH	284.076	81.756	51.190	16.861	0.03295	3.15861	5	V
K09UI5F	17.8	0.15	K20CH	182.495	305.079	72.521	2.431	0.08373	2.75294	5	V
K09UI5G	18.0	0.15	K20CH	276.558	204.075	67.816	5.361	0.01615	2.74731	5	V
K09W13C	18.9	0.15	K20CH	284.277	138.025	216.322	12.829	0.22658	2.57258	3	V
K09WF4D	17.4	0.15	K20CH	201.533	34.012	275.466	10.998	0.10990	2.85637	6	V
K09WT4M	17.8	0.15	K20CH	283.152	297.666	49.932	4.877	0.26460	2.60367	4	V
K10AG3R	18.5	0.15	K20CH	63.779	307.911	191.247	3.895	0.20901	2.89492	3	V
K10B68S	16.5	0.15	K20CH	1.318	54.777	81.580	27.276	0.19019	3.20010	6	X
K10B87K	15.9	0.15	K20CH	52.965	292.929	187.412	26.187	0.23882	3.09021	9	X
K10C76D	17.4	0.15	K20CH	355.861	256.982	323.291	6.144	0.11083	2.28814	9	V
K10CD2C	16.3	0.15	K20CH	315.213	155.788	79.302	30.567	0.42916	3.18125	3	X
K10CG6G	16.9	0.15	K20CH	185.166	220.000	151.575	11.221	0.15581	2.90715	8	X
K10CG7V	16.5	0.15	K20CH	198.762	198.476	160.069	13.583	0.09739	2.90140	9	X
K10DB1L	17.2	0.15	K20CH	329.265	75.307	151.078	12.943	0.05400	2.98167	5	X
K10DB3Z	17.4	0.15	K20CH	353.478	39.437	171.924	10.696	0.04932	2.98701	6	V
K10E03C	15.1	0.15	K20CH	236.605	255.945	84.696	22.493	0.17502	3.17321	13	X
K10E87G	17.3	0.15	K20CH	0.836	355.694	186.243	15.828	0.21348	3.10024	3	X
K10EC7O	16.4	0.15	K20CH	328.293	93.842	123.204	23.565	0.41687	3.09940	4	X
K10FE4V	17.9	0.15	K20CH	37.584	269.006	265.726	1.667	0.14377	2.98084	3	V
K10FE4W	17.2	0.15	K20CH	333.008	33.057	175.117	11.270	0.05716	3.12114	5	V
K10G01B	15.8	0.15	K20CH	271.887	204.135	95.575	20.117	0.13809	3.23088	9	X
K10G33W	16.8	0.15	K20CH	338.344	89.214	87.275	22.402	0.48563	3.10726	3	X
K10GG1R	16.7	0.15	K20CH	317.792	122.186	80.168	27.752	0.21561	3.18856	5	X
K10GK0X	17.0	0.15	K20CH	252.165	149.520	161.415	12.695	0.11002	3.04016	5	X
K10GK4M	18.3	0.15	K20CH	266.526	95.476	200.328	22.115	0.19703	2.37634	4	X
K10GK9L	18.6	0.15	K20CH	278.350	197.375	93.157	16.186	0.22767	2.38218	2	X
K10GK9W	18.7	0.15	K20CH	305.952	106.751	141.675	5.042	0.11458	2.37106	6	V
K10H78W	15.8	0.15	K20CH	224.338	251.973	82.373	16.214	0.07712	3.12230	12	X
K10H80O	17.0	0.15	K20CH	344.984	47.713	136.548	28.364	0.42364	3.13908	3	X
K10JC3O	15.8	0.15	K20CH	286.728	136.563	99.828	28.426	0.12600	3.11043	8	X
K10JG8G	16.9	0.15	K20CH	313.361	121.314	121.751	11.861	0.09435	3.14950	7	X
K10KB8J	16.7	0.15	K20CH	273.053	212.918	86.432	17.275	0.15100	2.99323	5	X
K10L22U	17.0	0.15	K20CH	301.764	118.472	135.095	13.354	0.03472	3.02221	6	X
K10N40X	16.6	0.15	K20CH	271.387	163.437	155.121	13.720	0.25563	3.06570	7	X
K10N81T	21.4	0.15	K20CH	257.929	5.045	329.906	10.468	0.27787	1.32982	2	V
K10NE8G	17.0	0.15	K20CH	58.849	85.319	173.291	10.220	0.06135	2.96677	5	V
K10O34Z	17.3	0.15	K20CH	36.629	47.182	98.234	15.037	0.08457	2.60885	9	X
K10O42T	17.2	0.15	K20CH	359.628	59.325	124.471	11.296	0.17247	3.11293	4	X
K10O80L	16.8	0.15	K20CH	108.660	321.702	107.729	12.692	0.16361	2.63483	9	X
K10OE0L	16.9	0.15	K20CH	253.979	144.211	169.198	13.603	0.07163	3.10460	8	X
K10R05B	16.5	0.15	K20CH	278.095	198.447	160.913	13.741	0.09467	3.20287	5	V
K10RL3Q	19.2	0.15	K20CH	20.592	312.220	123.030	1.047	0.15471	2.15240	8	V
K10RL3R	19.2	0.15	K20CH	48.634	16.779	357.450	4.839	0.20017	2.18487	4	V
K10S13Q	17.5	0.15	K20CH	197.687	116.555	184.655	13.492	0.16556	2.60984	3	V
K10S59E	19.6	0.15	K20CH	32.671	341.560	6.379	0.095	0.19618	2.22995	3	V
K10T30Y	20.2	0.15	K20CH	25.291	4.812	351.812	2.321	0.21536	2.24072	2	V
K10T93X	17.5	0.15	K20CH	303.604	47.467	10.558	10.158	0.13457	3.02104	3	V
K10TL4M	17.4	0.15	K20CH	123.618	315.146	101.685	14.410	0.25072	2.62580	7	X
K10TM2T	16.6	0.15	K20CH	315.512	291.612	74.531	9.748	0.10386	3.16219	5	V
K10TM2U	18.5	0.15	K20CH	273.064	8.444	34.084	5.483	0.15431	2.36657	3	V
K10UC6U	16.6	0.15	K20CH	280.129	170.414	213.481	6.010	0.04019	3.23160	7	V
K10UC6V	16.9	0.15	K20CH	145.663	327.990	195.419	8.853	0.02806	3.22340	5	V
K10W74Q	17.2	0.15	K20CH	107.530	279.659	144.390	13.160	0.18273	2.67913	9	X
K11AA1U	17.0	0.15	K20CH	271.104	192.696	112.019	14.869	0.24208	2.64838	5	X
K11AA2F	19.1	0.15	K20CH	357.784	142.527	24.537	1.118	0.04515	2.15571	6	V
K11AA2G	17.8	0.15	K20CH	43.371	194.761	296.734	1.931	0.02803	2.75033	6	V
K11B18N	17.5	0.15	K20CH	305.471	135.481	114.724	12.214	0.02866	2.73169	7	X
K11BB7A	17.2	0.15	K20CH	352.337	96.584	98.813	13.297	0.12554	2.75215	6	X
K11BB8R	17.3	0.15	K20CH	15.785	72.107	98.110	13.540	0.08070	2.76173	6	X
K11BE0W	17.2	0.15	K20CH	246.204	221.424	103.634	13.862	0.24921	2.65696	7	X
K11BJ3X	17.2	0.15	K20CH	93.268	341.884	103.625	16.389	0.10910	2.83829	5	X
K11C25T	17.3	0.15	K20CH	72.851	312.704	146.217	14.489	0.18051	2.78364	8	X
K11D58Q	17.5	0.15	K20CH	122.819	283.859	130.293	4.688	0.09569	2.80488	6	V
K11E95U	17.1	0.15	K20CH	204.396	196.185	161.113	13.158	0.14589	2.78280	7	X
K11EA7F	17.1	0.15	K20CH	84.851	335.167	111.806	3.204	0.03276	2.86189	4	V
K11F94A	17.4	0.15	K20CH	290.272	84.696	185.407	14.703	0.12370	2.86346	7	X

K11FC2H	18.9	0.15	K20CH	289.267	262.680	276.594	0.952	0.14719	2.30293	4	V
K11G77R	18.4	0.15	K20CH	267.156	155.333	140.599	7.280	0.23162	2.22071	5	X
K11GA4L	16.7	0.15	K20CH	189.840	83.237	215.821	12.691	0.09957	3.11781	7	V
K11H11G	17.8	0.15	K20CH	359.253	245.482	27.142	13.960	0.14706	2.72187	3	V
K11J22P	16.7	0.15	K20CH	235.066	225.250	101.512	13.352	0.07213	2.93233	9	X
K11K03D	17.9	0.15	K20CH	347.548	55.357	89.950	27.777	0.06322	1.88391	7	X
K11K14R	16.9	0.15	K20CH	231.809	137.012	124.987	2.413	0.13438	3.14256	6	V
K11K16C	16.8	0.15	K20CH	210.091	235.603	109.875	12.989	0.08810	2.99952	7	X
K11K45U	17.5	0.15	K20CH	315.971	107.375	130.307	10.457	0.08886	2.96811	7	X
K11K57X	16.7	0.15	K20CH	188.941	60.152	252.215	8.119	0.17754	3.19220	4	V
K11L19A	19.1	0.15	K20CH	313.793	202.756	97.963	19.222	0.65200	2.91198	3	X
K11L30N	16.9	0.15	K20CH	216.888	229.952	120.182	13.915	0.09347	2.97022	6	X
K11M00Q	18.9	0.15	K20CH	272.472	121.456	115.038	25.045	0.14846	1.87365	7	X
K11O29F	15.7	0.15	K20CH	195.028	275.810	100.067	15.747	0.22266	3.18253	11	X
K11O73U	17.5	0.15	K20CH	300.813	254.384	15.453	5.801	0.13404	3.07423	5	V
K11P01W	17.4	0.15	K20CH	150.731	301.147	292.106	28.999	0.34088	2.58603	2	V
K11Q12D	18.8	0.15	K20CH	239.372	157.678	165.091	9.259	0.19056	2.31902	5	X
K11Q41A	16.0	0.15	K20CH	243.970	161.009	181.370	22.740	0.22509	3.17252	8	X
K11Q66G	15.5	0.15	K20CH	218.858	197.978	152.451	15.739	0.10179	3.20770	11	X
K11R33W	18.6	0.15	K20CH	266.578	78.983	210.589	1.092	0.18046	2.34191	5	V
K11SD9E	18.1	0.15	K20CH	23.289	36.201	13.416	6.183	0.11262	2.63351	6	V
K11SP9F	16.7	0.15	K20CH	300.277	87.065	197.830	19.798	0.26311	3.07999	7	X
K11SW9J	16.9	0.15	K20CH	308.420	95.972	221.761	8.659	0.14824	3.07453	5	V
K11SW9K	18.9	0.15	K20CH	195.378	194.339	195.478	2.692	0.23129	2.36110	4	V
K11SW9L	18.8	0.15	K20CH	206.125	89.218	295.853	5.080	0.21524	2.32149	4	V
K11U11H	18.1	0.15	K20CH	50.992	307.244	92.000	5.549	0.20353	2.65261	7	V
K11Y87V	17.7	0.15	K20CH	42.961	17.414	103.988	14.288	0.19118	2.60939	6	X
K11Y89A	17.8	0.15	K20CH	197.030	260.237	103.092	16.359	0.18324	2.43728	6	X
K11Y94T	17.7	0.15	K20CH	352.116	216.708	303.809	12.689	0.19682	2.65159	3	V
K12A34E	17.4	0.15	K20CH	246.083	355.588	110.614	9.105	0.19913	3.02950	4	V
K12B79X	19.1	0.15	K20CH	97.082	107.815	348.915	3.219	0.18256	2.52712	4	V
K12BG1T	17.3	0.15	K20CH	322.003	118.863	106.506	13.751	0.07435	2.62137	6	X
K12BG8H	17.3	0.15	K20CH	355.371	62.954	116.919	13.029	0.14697	2.61621	5	X
K12BI1W	16.9	0.15	K20CH	191.068	64.289	139.154	17.558	0.13749	3.07552	4	V
K12C69P	18.3	0.15	K20CH	307.111	95.779	156.063	10.176	0.19406	2.61606	3	X
K12D40Q	18.0	0.15	K20CH	22.429	349.383	171.671	13.796	0.08330	2.62298	6	X
K12DC4D	18.4	0.15	K20CH	353.887	89.485	72.259	3.237	0.17017	2.72618	3	V
K12DC4E	18.4	0.15	K20CH	61.579	41.811	79.627	29.426	0.24139	2.59221	3	V
K12E11D	17.8	0.15	K20CH	21.915	337.068	173.106	15.087	0.18775	2.66828	4	X
K12E25W	17.9	0.15	K20CH	315.421	72.349	169.152	11.974	0.23120	2.66033	5	X
K12E29O	17.9	0.15	K20CH	14.413	160.845	358.736	5.757	0.04591	2.65987	6	V
K12F03R	17.7	0.15	K20CH	12.916	333.461	184.970	12.932	0.20522	2.66175	4	X
K12F76O	17.1	0.15	K20CH	337.084	57.605	156.748	14.985	0.05589	2.66369	5	X
K12F85N	17.5	0.15	K20CH	289.410	102.605	172.869	13.099	0.18856	2.71420	9	X
K12FA5V	18.1	0.15	K20CH	344.655	9.432	190.682	15.025	0.22354	2.69158	2	X
K12FA6N	17.6	0.15	K20CH	307.654	203.802	43.251	3.757	0.05307	2.71480	8	V
K12FA6T	17.9	0.15	K20CH	345.527	48.874	120.220	9.526	0.22452	2.73965	6	V
K12FA6U	18.6	0.15	K20CH	304.278	159.911	89.063	5.333	0.21726	2.70462	3	V
K12H33E	17.0	0.15	K20CH	260.715	171.547	130.995	10.025	0.14154	2.73275	7	X
K12H82P	17.8	0.15	K20CH	314.861	154.124	107.125	18.988	0.42860	2.70060	2	X
K12HA5X	17.9	0.15	K20CH	321.911	81.820	144.673	6.017	0.06457	2.73556	5	V
K12HA5Y	17.3	0.15	K20CH	236.141	205.752	110.163	9.233	0.20992	2.78004	5	V
K12K05R	16.4	0.15	K20CH	236.685	176.003	161.839	12.116	0.19378	2.74104	12	X
K12K24T	17.7	0.15	K20CH	39.567	204.584	135.362	15.527	0.29808	2.38814	6	V
K12K52J	18.3	0.15	K20CH	324.221	33.220	194.868	15.891	0.21598	2.75587	3	X
K12M06S	18.2	0.15	K20CH	291.365	219.080	101.011	13.494	0.53981	2.75682	3	X
K12R29G	17.1	0.15	K20CH	222.093	200.096	159.891	16.822	0.28011	2.93990	6	X
K12R45M	17.2	0.15	K20CH	99.115	351.126	68.052	24.978	0.22468	2.29383	6	X
K12U01R	18.7	0.15	K20CH	314.340	99.652	145.047	3.440	0.09853	2.19468	8	V
K12UD6S	15.9	0.15	K20CH	333.595	279.300	0.266	51.888	0.91264	4.29095	3	X
K12UF7T	15.8	0.15	K20CH	187.075	246.405	125.279	12.144	0.11561	3.18414	13	X
K12UM8M	16.9	0.15	K20CH	194.413	153.966	188.829	11.419	0.04499	3.18402	5	V
K12VC7O	16.4	0.15	K20CH	214.810	251.822	89.281	16.746	0.03292	3.25448	6	X
K12VD3R	17.5	0.15	K20CH	148.014	302.510	183.903	7.012	0.17542	3.00693	5	V
K12VD3S	16.7	0.15	K20CH	256.777	265.994	46.983	10.667	0.07862	3.12994	6	V
K12X06V	19.3	0.15	K20CH	88.097	356.115	76.769	24.542	0.08340	1.82772	4	X
K12X94M	16.1	0.15	K20CH	197.747	276.402	85.933	17.247	0.14272	3.22539	5	X
K12XC6O	18.0	0.15	K20CH	14.216	59.532	79.001	23.403	0.13310	1.86771	6	X
K12XG3J	16.3	0.15	K20CH	287.633	190.664	95.000	19.125	0.13074	3.17535	7	X
K13AI7B	16.3	0.15	K20CH	71.001	336.367	143.787	10.774	0.04137	3.55410	7	X
K13B17L	14.4	0.15	K20CH	2.164	176.599	186.338	7.371	0.01518	5.14051	8	V
K13E49A	17.2	0.15	K20CH	133.283	238.663	173.412	13.891	0.12718	2.41292	8	X
K13G23J	19.0	0.15	K20CH	90.987	236.166	197.024	20.562	0.15315	1.88793	6	X
K13HF8L	17.0	0.15	K20CH	320.298	144.009	90.851	14.513	0.21246	2.60615	6	X
K13J21K	17.9	0.15	K20CH	12.925	28.783	137.429	9.661	0.10652	2.54633	6	X
K13J47X	18.0	0.15	K20CH	346.846	73.743	115.989	10.643	0.12960	2.54778	6	X
K13J72K	18.2	0.15	K20CH	245.307	146.329	167.605	11.502	0.12799	2.55631	4	X
K13J78M	18.0	0.15	K20CH	219.710	264.766	59.565	2.972	0.09526	2.58744	7	V
K13K10L	18.2	0.15	K20CH	312.222	114.084	112.776	30.482	0.27174	2.56812	3	X
K13K21Q	17.4	0.15	K20CH	119.866	244.316	51.014	6.716	0.24030	3.04141	4	V
K13L06X	17.0	0.15	K20CH	279.868	139.165	121.532	33.063	0.24785	2.59781	4	X
K13L37N	17.8	0.15	K20CH	253.633	217.294	104.806	14.933	0.26472	2.62638	3	X
K13M05V	18.4	0.15	K20CH	283.463	112.297	183.931	12.569	0.27869	2.56106	3	X
K13M13J	17.4	0.15	K20CH	283.015	145.673	137.265	12.285	0.18362	2.63978	8	X
K13N06O	19.3	0.15	K20CH	284.375	195.006	117.066	12.050	0.40183	2.56715	3	X
K13N58Z	18.5	0.15	K20CH	296.970	319.950	37.687	1.209	0.18012	2.44966	4	V
K13N59A	17.9	0.15	K20CH	271.025	183.040	106.364	5.756	0.16423	2.65247	4	V
K13O09X	17.3	0.15	K20CH	246.886	194.795	142.838	13.345	0.29103	2.63177	7	X
K13P44D	17.9	0.15	K20CH	311.340	96.369	147.018	26.136	0.45642	2.60398	2	X
K13Q11T	17.4	0.15	K20CH	311.646	101.581	141.643	28.739	0.32807	2.60989	3	X
K13Q25L	15.5	0.15	K20CH	321.680	350.893	357.841	7.224	0.14640	4.00823	6	V
K13Q37E	17.6	0.15	K20CH	233.381	170.148	149.831	11.770	0.05289	2.73147	7	X
K13Q92A	16.9	0.15	K20CH	195.250	203.444	153.822	14.364	0.06656	2.73214	8	X

K13R76Y	16.9	0.15	K20CH	189.487	196.229	171.456	14.588	0.01120	2.77584	11	X
K13RC3S	17.2	0.15	K20CH	114.681	274.729	159.358	12.934	0.10215	2.84756	6	X
K13RE9A	17.4	0.15	K20CH	257.735	319.663	340.791	1.346	0.17645	2.74572	8	V
K13RE9B	18.0	0.15	K20CH	269.696	114.694	190.536	13.160	0.22103	2.67256	3	V
K13RE9C	17.8	0.15	K20CH	281.932	160.211	127.352	8.128	0.09114	2.77290	5	V
K13T55H	18.9	0.15	K20CH	349.025	137.016	264.042	3.463	0.13394	2.33872	2	V
K13TL4V	17.7	0.15	K20CH	271.590	130.392	208.781	10.521	0.18281	2.64337	2	V
K13TL8X	18.8	0.15	K20CH	63.693	73.530	241.095	5.670	0.22177	2.31398	4	V
K13TL8Y	16.7	0.15	K20CH	134.753	130.633	218.260	16.306	0.09780	3.15157	4	V
K13V66E	17.1	0.15	K20CH	223.871	182.260	163.398	7.747	0.14229	2.87127	9	V
K13V66F	17.3	0.15	K20CH	233.019	248.770	101.885	5.026	0.11165	2.81119	4	V
K13W92P	17.1	0.15	K20CH	159.310	111.488	263.825	8.329	0.08749	3.05926	3	V
K13WA5E	16.9	0.15	K20CH	45.720	331.077	158.986	13.169	0.18157	3.07446	5	X
K13WD5V	17.3	0.15	K20CH	97.911	330.919	100.038	2.324	0.15370	3.15600	6	V
K13WD5W	17.4	0.15	K20CH	146.717	125.709	281.385	9.765	0.17255	3.01155	2	V
K13Y09D	16.2	0.15	K20CH	127.599	302.169	116.611	10.453	0.09763	3.16173	13	X
K13Y41A	16.2	0.15	K20CH	209.639	261.488	95.860	13.074	0.23145	2.94044	11	X
K13Y94B	16.7	0.15	K20CH	248.698	194.730	111.911	10.900	0.03213	3.17810	8	X
K13Y99J	15.4	0.15	K20CH	233.655	226.035	102.440	12.841	0.10669	3.11152	16	X
K13YB7V	17.3	0.15	K20CH	75.126	354.880	111.744	15.928	0.12411	3.20891	5	X
K13YG2C	16.5	0.15	K20CH	71.223	353.569	127.197	11.731	0.03143	3.16499	9	X
K14A11N	16.7	0.15	K20CH	143.349	291.094	121.744	11.847	0.13253	2.99742	10	X
K14A24F	16.6	0.15	K20CH	168.335	269.891	121.745	12.584	0.09370	3.13684	9	X
K14A27T	16.5	0.15	K20CH	312.759	163.547	85.782	17.705	0.09620	3.15467	7	X
K14A31O	16.5	0.15	K20CH	112.929	277.626	154.042	12.321	0.14504	3.17180	8	X
K14A31S	16.1	0.15	K20CH	231.389	195.048	144.396	16.561	0.11655	3.04721	13	X
K14A35W	16.5	0.15	K20CH	206.309	268.113	96.542	18.210	0.15680	2.92284	10	X
K14B83X	16.4	0.15	K20CH	158.957	278.539	129.183	27.703	0.10469	3.14671	5	V
K14B83Y	16.9	0.15	K20CH	154.896	81.525	339.149	7.742	0.05838	3.10922	4	V
K14C09S	16.5	0.15	K20CH	178.039	268.337	116.514	13.427	0.07220	3.18588	8	X
K14C34M	18.6	0.15	K20CH	330.349	218.822	296.368	4.497	0.12694	2.33420	2	V
K14DI2S	16.6	0.15	K20CH	187.710	283.002	85.598	16.856	0.09126	3.16043	4	X
K14DI3S	17.0	0.15	K20CH	36.930	176.718	100.354	3.155	0.05508	2.95411	7	V
K14DI3T	17.4	0.15	K20CH	51.056	294.799	347.897	2.619	0.05987	2.75691	8	V
K14G83J	18.5	0.15	K20CH	333.844	84.240	121.456	9.647	0.13730	2.28813	6	X
K14G83W	19.1	0.15	K20CH	332.910	91.246	102.611	2.051	0.11805	2.32584	4	V
K14H45E	16.7	0.15	K20CH	12.964	250.845	30.918	22.426	0.09679	3.09990	4	V
K14HM9R	17.3	0.15	K20CH	126.430	40.621	114.659	8.980	0.19268	3.06636	4	V
K14HM9S	19.2	0.15	K20CH	274.294	154.271	125.535	2.106	0.17513	2.33188	3	V
K14L25R	17.8	0.15	K20CH	257.488	223.816	103.333	17.583	0.31859	2.41253	4	X
K14L39B	15.9	0.15	K20CH	76.766	1.126	272.344	26.189	0.14274	3.20042	4	V
K14L39C	17.9	0.15	K20CH	232.182	317.293	13.037	1.684	0.18579	2.43917	5	V
K14M25H	17.9	0.15	K20CH	236.323	227.499	108.251	13.855	0.23572	2.40164	4	X
K14N80O	18.5	0.15	K20CH	310.588	87.472	156.465	9.991	0.20876	2.38805	5	X
K14N87M	18.6	0.15	K20CH	278.094	185.323	102.137	13.328	0.23765	2.39679	4	X
K14N88F	17.0	0.15	K20CH	89.400	140.517	121.270	17.440	0.12184	3.21619	3	V
K14N88G	17.9	0.15	K20CH	128.303	187.380	210.255	13.533	0.02561	2.52760	5	V
K14OC0F	18.2	0.15	K20CH	257.531	196.283	115.064	11.103	0.23884	2.39376	5	X
K14OE5Z	16.8	0.15	K20CH	5.234	7.396	128.564	33.817	0.20513	2.56749	5	X
K14OX3P	17.8	0.15	K20CH	299.030	141.461	112.599	15.090	0.12016	2.42863	6	X
K14OZ9R	18.0	0.15	K20CH	178.312	229.273	149.978	15.765	0.15543	2.52062	6	X
K14Oi8B	17.8	0.15	K20CH	80.019	320.206	128.407	15.603	0.06245	2.53209	5	V
K14P59T	20.2	0.15	K20CH	279.745	174.296	143.586	9.056	0.49498	2.33631	3	X
K14QB2Q	18.2	0.15	K20CH	148.645	88.417	245.707	4.027	0.05368	2.69284	5	V
K14QK2R	17.8	0.15	K20CH	37.261	337.150	162.140	13.815	0.08247	2.54320	6	X
K14QK9Z	17.2	0.15	K20CH	156.248	80.372	154.904	3.152	0.01629	3.09653	6	V
K14QW7P	17.5	0.15	K20CH	87.932	274.957	178.356	13.604	0.09169	2.65657	8	X
K14Qf5Z	17.8	0.15	K20CH	257.855	125.369	185.398	14.133	0.16855	2.45794	5	X
K14Qi7Q	16.5	0.15	K20CH	177.770	235.824	140.633	14.785	0.12882	2.62975	12	X
K14Qs8N	19.1	0.15	K20CH	52.810	174.005	94.731	6.424	0.19764	2.16320	3	V
K14Qs8O	17.7	0.15	K20CH	98.629	65.549	245.088	13.125	0.16967	3.01735	2	V
K14R30R	18.9	0.15	K20CH	188.251	143.844	204.128	21.050	0.11603	1.83096	5	X
K14SJ1P	17.8	0.15	K20CH	334.849	34.736	172.430	13.548	0.08973	2.58280	6	X
K14SL7K	17.1	0.15	K20CH	157.672	301.008	88.167	15.894	0.07578	2.71922	9	X
K14SM3F	17.8	0.15	K20CH	301.508	124.477	133.318	9.580	0.18087	2.45712	7	X
K14Sd6A	17.7	0.15	K20CH	144.714	40.143	315.144	1.459	0.04741	2.75083	4	V
K14T92Z	17.0	0.15	K20CH	284.984	176.870	92.305	14.387	0.06752	2.64972	10	X
K14TB0P	17.7	0.15	K20CH	219.718	236.056	111.994	16.064	0.16407	2.54617	6	X
K14TB1L	16.9	0.15	K20CH	268.320	298.909	218.937	14.336	0.05049	3.16108	4	V
K14U41A	18.7	0.15	K20CH	80.917	236.317	205.663	20.845	0.09152	1.89604	4	X
K14UC8B	17.3	0.15	K20CH	170.742	195.168	181.567	13.353	0.00268	2.52216	7	X
K14UL5T	17.6	0.15	K20CH	177.778	182.225	204.030	29.493	0.19923	2.60154	5	X
K14UP5C	17.6	0.15	K20CH	49.029	12.143	123.600	10.307	0.00936	2.69313	9	X
K14UR0N	17.5	0.15	K20CH	73.244	348.629	26.945	12.936	0.16625	3.09230	4	V
K14UR0O	17.4	0.15	K20CH	92.882	177.756	266.922	8.777	0.12284	2.73743	5	V
K14UR0P	18.3	0.15	K20CH	154.926	134.153	289.572	3.976	0.08213	2.55473	4	V
K14W96A	17.6	0.15	K20CH	57.551	232.990	151.543	4.513	0.19039	3.11118	4	V
K14WT4N	17.4	0.15	K20CH	221.371	200.313	140.744	12.629	0.09987	2.64427	10	X
K14WX8O	16.7	0.15	K20CH	174.782	266.244	115.289	12.108	0.20669	2.63107	10	X
K14WZ9M	17.2	0.15	K20CH	219.780	205.527	134.405	11.557	0.13950	2.55792	11	X
K14Wd2K	17.9	0.15	K20CH	253.209	132.937	180.541	14.765	0.14733	2.56166	5	X
K14Wm9R	17.4	0.15	K20CH	146.699	292.975	110.911	13.520	0.26340	2.69607	7	X
K14Wp2F	19.3	0.15	K20CH	154.841	301.497	77.623	24.336	0.09557	1.89588	6	X
K14Ww9Z	14.5	0.15	K20CH	284.161	141.246	167.533	15.704	0.17025	5.20759	6	X
K14Wx0W	18.8	0.15	K20CH	93.896	206.943	241.631	7.865	0.17632	2.77777	2	V
K14Wx0X	16.8	0.15	K20CH	67.645	289.974	97.090	10.491	0.08035	3.16957	5	V
K14Wx0Y	17.2	0.15	K20CH	217.454	45.471	270.726	3.261	0.05796	2.78898	7	V
K14X53M	19.0	0.15	K20CH	179.010	290.234	102.974	24.633	0.05545	1.84502	3	V
K15A23K	17.3	0.15	K20CH	171.440	245.496	137.388	11.793	0.08252	2.71808	10	X
K15A45S	17.5	0.15	K20CH	345.751	33.546	147.110	20.468	0.63374	3.20572	4	X
K15A51W	17.5	0.15	K20CH	85.042	344.421	115.030	16.132	0.09779	2.87285	3	X
K15A58E	17.6	0.15	K20CH	159.501	57.835	328.412	0.977	0.05820	2.85493	6	V
K15AK8B	17.3	0.15	K20CH	217.777	257.705	87.670	15.959	0.14179	2.60291	9	X

K15AL0R	17.1	0.15	K20CH	244.185	191.757	144.580	14.516	0.25789	2.55495	9	X
K15AP1H	17.3	0.15	K20CH	1.925	95.169	76.874	15.609	0.24182	3.10277	3	X
K15AU3F	17.4	0.15	K20CH	252.239	214.129	117.560	15.266	0.27380	2.64298	9	X
K15B61T	16.8	0.15	K20CH	324.397	118.909	114.537	13.002	0.23405	3.05773	8	X
K15B70Z	17.3	0.15	K20CH	340.549	39.405	170.921	16.392	0.15530	3.03800	4	X
K15B74H	16.7	0.15	K20CH	206.467	248.907	111.004	11.223	0.24499	2.78304	9	X
K15B78R	17.3	0.15	K20CH	221.531	237.516	116.169	12.884	0.28876	2.57154	10	X
K15B94E	17.4	0.15	K20CH	202.786	244.141	122.391	14.100	0.18582	2.68983	8	X
K15BA4C	16.6	0.15	K20CH	80.649	308.906	144.295	14.386	0.16130	3.03669	7	X
K15BW3V	17.6	0.15	K20CH	26.341	36.055	103.136	11.465	0.24791	3.09927	5	X
K15BZ6U	17.3	0.15	K20CH	48.682	358.597	137.666	11.900	0.11072	3.05453	5	X
K15Bb3G	19.5	0.15	K20CH	5.442	51.158	315.955	7.138	0.13588	2.24055	4	V
K15Bf0M	16.8	0.15	K20CH	310.812	114.365	134.113	13.541	0.07009	2.97943	6	X
K15Bf5L	16.8	0.15	K20CH	339.425	89.813	126.114	11.099	0.04093	2.99476	6	X
K15Bg7N	16.8	0.15	K20CH	211.153	215.276	130.362	11.301	0.08195	2.96392	10	X
K15Br4J	16.8	0.15	K20CH	232.145	180.514	155.112	12.766	0.08628	2.94558	11	X
K15Bu2U	16.8	0.15	K20CH	190.564	235.939	134.792	15.879	0.16161	2.87371	7	X
K15Bv2E	16.3	0.15	K20CH	322.028	108.484	139.182	26.174	0.26327	3.09177	5	X
K15Bv5F	16.9	0.15	K20CH	11.662	64.884	109.567	11.704	0.10141	3.15897	5	X
K15Bw6C	17.3	0.15	K20CH	35.154	44.180	83.028	18.138	0.25338	3.07149	4	X
K15Bx3Z	16.7	0.15	K20CH	356.706	65.469	125.379	12.733	0.03034	3.14776	8	X
K15Bx4Y	17.3	0.15	K20CH	293.300	133.536	131.181	11.990	0.04015	2.77198	7	X
K15Bx6J	16.7	0.15	K20CH	143.632	269.327	138.751	12.321	0.07273	2.86292	6	X
K15By8M	16.9	0.15	K20CH	264.616	204.624	101.128	12.807	0.12403	3.06074	7	X
K15C16C	17.2	0.15	K20CH	91.917	306.015	150.560	10.248	0.03043	2.97691	7	X
K15C41Q	16.7	0.15	K20CH	1.228	47.829	96.166	28.348	0.19822	3.14648	5	X
K15C47S	16.7	0.15	K20CH	128.119	251.892	163.990	16.802	0.10859	3.05624	7	X
K15C54E	16.1	0.15	K20CH	298.374	81.472	178.455	16.402	0.02720	3.13284	8	X
K15C54W	16.6	0.15	K20CH	63.329	289.589	175.624	16.575	0.22905	3.14090	4	X
K15D12H	16.8	0.15	K20CH	92.894	321.774	132.992	13.298	0.06241	2.93635	11	X
K15D18C	16.6	0.15	K20CH	319.154	107.968	136.917	12.117	0.11656	3.05216	9	X
K15D22M	16.8	0.15	K20CH	212.740	214.013	134.169	10.072	0.11901	2.99499	8	X
K15D37T	17.5	0.15	K20CH	25.558	24.373	140.471	10.763	0.07990	3.08650	3	X
K15D44N	16.7	0.15	K20CH	300.420	136.943	125.547	11.869	0.06702	3.07596	10	X
K15D45H	16.8	0.15	K20CH	137.585	279.986	133.586	11.415	0.04600	3.06519	8	X
K15D57D	17.6	0.15	K20CH	349.126	164.142	45.178	1.195	0.04028	2.98368	3	V
K15D81P	16.6	0.15	K20CH	180.640	250.874	123.161	10.305	0.10688	2.99096	8	X
K15DC3T	16.3	0.15	K20CH	56.856	18.841	109.590	12.292	0.04205	3.13807	7	X
K15DD1J	15.7	0.15	K20CH	231.268	247.672	89.995	13.201	0.15466	3.11333	10	X
K15DD1W	16.8	0.15	K20CH	112.875	311.461	126.665	14.043	0.08262	3.11809	9	X
K15DE0C	17.0	0.15	K20CH	8.473	19.455	164.306	12.581	0.08125	2.98245	8	X
K15DG5L	16.0	0.15	K20CH	262.188	136.773	165.439	12.901	0.08279	3.12041	12	X
K15DH9P	16.4	0.15	K20CH	58.287	291.860	190.649	18.572	0.09460	3.05267	9	X
K15DI6D	16.4	0.15	K20CH	180.735	262.546	114.078	13.588	0.15884	2.97871	10	X
K15DI9V	16.8	0.15	K20CH	274.155	194.859	109.128	13.600	0.25394	3.06676	6	X
K15DL9F	16.1	0.15	K20CH	317.514	52.725	195.629	26.767	0.11707	3.15449	9	X
K15DN3C	16.2	0.15	K20CH	89.847	325.133	129.337	15.149	0.14423	3.18421	7	X
K15DQ6N	17.0	0.15	K20CH	301.084	117.843	143.200	11.165	0.09265	3.13797	6	X
K15DR9W	17.4	0.15	K20CH	293.100	155.108	104.322	10.582	0.01957	3.06770	6	X
K15DS7H	16.7	0.15	K20CH	64.629	39.165	96.813	14.690	0.04398	3.18391	6	V
K15E19J	16.5	0.15	K20CH	147.711	300.376	103.465	16.439	0.14222	2.89465	5	X
K15E45U	17.0	0.15	K20CH	310.424	82.459	168.376	15.918	0.17398	3.11768	7	X
K15E77B	16.5	0.15	K20CH	103.866	338.601	103.196	17.476	0.08496	3.14129	5	X
K15F05L	17.5	0.15	K20CH	36.908	36.957	91.669	19.831	0.29059	3.05487	4	X
K15F14A	16.7	0.15	K20CH	134.617	313.217	101.500	13.081	0.07315	3.16487	7	X
K15F19Q	16.8	0.15	K20CH	342.800	103.784	103.149	12.071	0.06474	3.24049	6	X
K15F19V	16.5	0.15	K20CH	278.277	176.070	134.676	16.431	0.25739	3.17474	6	X
K15F19Y	16.1	0.15	K20CH	150.829	314.730	84.228	14.535	0.07143	3.21347	9	X
K15F22K	16.5	0.15	K20CH	276.061	174.262	106.651	10.828	0.05546	3.19570	7	X
K15F23J	16.8	0.15	K20CH	75.957	1.607	106.223	11.025	0.06858	3.20564	7	X
K15F29A	17.7	0.15	K20CH	350.163	78.536	120.424	22.682	0.26613	3.16727	3	V
K15FC2C	16.9	0.15	K20CH	314.281	82.285	167.046	15.109	0.08386	3.13626	8	X
K15FD2J	16.5	0.15	K20CH	335.496	136.469	79.665	16.390	0.10350	3.05191	7	X
K15FE3N	16.9	0.15	K20CH	56.687	269.838	190.454	23.560	0.41703	3.14062	6	X
K15FN8R	16.6	0.15	K20CH	251.757	156.376	162.841	17.143	0.18212	3.13160	6	X
K15FO4D	16.5	0.15	K20CH	140.919	274.003	133.999	10.368	0.08634	3.14356	9	X
K15FQ1O	16.7	0.15	K20CH	329.840	62.998	160.647	11.786	0.07387	3.10651	8	X
K15FS3U	16.2	0.15	K20CH	101.357	289.932	154.972	14.210	0.11530	3.09130	11	X
K15FS3W	16.5	0.15	K20CH	258.185	173.200	137.592	13.958	0.10699	3.20931	6	X
K15FT0O	16.7	0.15	K20CH	325.349	120.702	109.335	11.013	0.16102	3.16975	5	X
K15FU6S	16.9	0.15	K20CH	104.729	286.182	155.235	11.147	0.08351	3.17312	9	X
K15FV4V	16.7	0.15	K20CH	106.964	311.004	137.239	11.442	0.06795	3.14483	7	X
K15FV5L	17.2	0.15	K20CH	59.651	316.723	166.991	16.832	0.15905	3.16924	5	X
K15FW4Q	16.7	0.15	K20CH	306.799	151.976	97.756	12.626	0.08519	3.24659	6	X
K15FW8W	16.2	0.15	K20CH	207.050	217.772	137.476	10.878	0.09750	3.17754	10	X
K15FY9H	16.7	0.15	K20CH	273.820	199.685	112.818	15.529	0.23070	3.15395	5	X
K15FY9V	16.3	0.15	K20CH	148.727	264.666	140.541	17.011	0.18887	3.13674	9	X
K15FZ0V	17.3	0.15	K20CH	75.747	342.946	118.012	16.677	0.19004	3.17009	5	X
K15Fi0O	17.3	0.15	K20CH	61.158	350.301	144.002	13.051	0.05535	3.18309	7	X
K15Fi3M	17.3	0.15	K20CH	336.050	138.059	81.368	18.069	0.15919	3.13051	3	X
K15Fi4A	17.3	0.15	K20CH	26.236	56.311	91.274	15.936	0.15655	3.15743	3	X
K15G07X	15.5	0.15	K20CH	240.384	236.723	96.822	15.208	0.17362	3.17700	12	X
K15G14F	17.0	0.15	K20CH	87.348	339.439	120.854	12.399	0.10282	3.16650	6	X
K15G47O	17.0	0.15	K20CH	311.610	72.907	180.925	17.360	0.08968	3.19916	6	X
K15H11F	19.3	0.15	K20CH	322.877	340.886	234.070	35.025	0.41806	2.09937	3	X
K15H45D	16.6	0.15	K20CH	127.565	260.200	162.841	12.549	0.06026	3.20507	9	X
K15H48V	17.0	0.15	K20CH	355.025	60.629	137.028	10.329	0.05048	3.23195	6	X
K15HA3D	15.7	0.15	K20CH	174.811	233.335	152.430	17.487	0.13327	3.21948	14	X
K15HL9E	17.7	0.15	K20CH	260.913	30.191	53.905	7.590	0.07611	2.55368	7	V
K15K19J	22.4	0.15	K20CH	326.668	29.807	106.249	2.541	0.74568	2.07871	3	X
K15K24Y	16.7	0.15	K20CH	286.203	159.224	121.313	11.292	0.06853	3.40809	5	X
K15K83O	15.8	0.15	K20CH	206.788	217.207	139.499	10.887	0.06849	3.37534	14	X
K15OE5R	18.9	0.15	K20CH	294.586	107.423	100.961	4.327	0.09850	2.26625	4	V

K15E5S	19.4	0.15	K20CH	329.691	91.988	328.454	16.602	0.05134	1.82964	3	V
K15PY3V	17.5	0.15	K20CH	30.228	270.348	109.039	15.160	0.12900	2.74511	3	V
K15RX5F	16.9	0.15	K20CH	25.017	232.099	75.535	4.244	0.10194	3.18831	6	V
K15Ti4B	18.2	0.15	K20CH	220.322	224.993	113.495	10.776	0.17320	2.26550	6	X
K15UA3K	16.9	0.15	K20CH	34.637	209.085	119.037	20.249	0.19309	3.10018	3	V
K15VA6W	18.0	0.15	K20CH	132.876	337.547	64.192	24.720	0.21842	2.40691	3	X
K15W09G	20.3	0.15	K20CH	286.245	89.990	239.410	34.371	0.69171	2.03231	4	X
K15X54B	17.8	0.15	K20CH	48.729	18.767	96.757	15.550	0.13981	2.54518	5	X
K15X85L	17.5	0.15	K20CH	7.257	4.546	165.268	12.732	0.11661	2.54925	9	X
K15XB2X	16.9	0.15	K20CH	322.565	129.736	70.645	32.582	0.31540	2.61528	4	X
K15XC9K	17.9	0.15	K20CH	7.803	34.399	111.727	49.873	0.31686	2.77522	2	V
K15XY1M	18.8	0.15	K20CH	99.839	167.238	211.735	2.694	0.16493	2.66119	3	V
K15Xf4M	17.2	0.15	K20CH	344.999	20.769	178.450	11.527	0.22332	2.74849	6	X
K15Xl1Y	18.1	0.15	K20CH	337.621	348.824	174.188	6.215	0.19651	2.70887	6	V
K15Xl1Z	17.1	0.15	K20CH	316.233	356.287	210.142	7.891	0.08650	2.88407	5	V
K15Y27J	17.4	0.15	K20CH	117.408	300.418	116.010	13.764	0.15729	2.56291	8	X
K16AA2C	17.0	0.15	K20CH	350.875	88.552	98.277	13.241	0.12993	2.69784	9	X
K16AB4U	17.4	0.15	K20CH	31.597	29.139	115.689	14.598	0.11068	2.69127	4	X
K16AH4M	17.6	0.15	K20CH	54.684	322.710	165.879	15.230	0.06487	2.61480	6	X
K16AK1T	17.7	0.15	K20CH	20.991	36.481	119.146	13.576	0.13384	2.64870	4	X
K16AM2D	17.2	0.15	K20CH	188.296	242.103	120.593	14.842	0.02209	2.65766	7	X
K16AM5M	16.8	0.15	K20CH	328.736	97.562	125.301	14.104	0.13884	2.65920	6	X
K16AM5V	17.5	0.15	K20CH	309.084	109.077	135.608	15.230	0.06452	2.58410	5	X
K16AO1A	17.2	0.15	K20CH	356.858	86.023	96.704	13.342	0.09558	2.66147	7	X
K16AP0N	17.8	0.15	K20CH	340.820	64.587	140.216	12.507	0.20520	2.69253	3	X
K16AS4P	17.4	0.15	K20CH	34.062	18.214	108.022	15.818	0.26593	2.77391	4	X
K16AY0J	18.0	0.15	K20CH	43.319	48.516	86.615	13.240	0.04446	2.61233	3	X
K16AY2N	18.1	0.15	K20CH	358.151	126.845	104.513	4.319	0.16354	2.47224	4	V
K16B23C	17.4	0.15	K20CH	37.151	26.841	114.086	10.159	0.08329	2.65648	5	X
K16B48H	17.5	0.15	K20CH	45.600	12.818	125.749	12.679	0.09053	2.65043	4	X
K16B48S	17.0	0.15	K20CH	293.341	148.360	119.613	12.656	0.13854	2.62594	6	X
K16B74M	17.2	0.15	K20CH	124.512	309.429	107.280	14.264	0.17013	2.58671	7	X
K16B90W	18.1	0.15	K20CH	63.780	321.027	158.656	12.008	0.02652	2.63422	6	X
K16B91V	18.2	0.15	K20CH	336.226	87.662	126.803	12.234	0.13731	2.68333	4	X
K16BA4G	17.4	0.15	K20CH	3.066	77.637	103.092	14.526	0.10143	2.68989	5	X
K16BA4J	17.6	0.15	K20CH	335.153	122.042	92.343	14.602	0.14059	2.69608	3	X
K16C79W	17.4	0.15	K20CH	214.143	221.128	122.163	13.018	0.17462	2.58838	9	X
K16C99Q	18.0	0.15	K20CH	36.286	323.976	173.274	13.178	0.11046	2.69426	5	X
K16CA8S	17.8	0.15	K20CH	86.481	283.930	164.447	12.376	0.13464	2.64902	7	X
K16CB6T	17.4	0.15	K20CH	135.689	246.830	164.309	14.521	0.21886	2.55946	12	X
K16CD6X	16.9	0.15	K20CH	328.765	140.332	88.117	35.893	0.32207	2.63409	5	X
K16CD8Z	17.7	0.15	K20CH	95.304	295.108	151.015	11.905	0.15726	2.66697	8	X
K16CG0J	17.7	0.15	K20CH	60.740	336.123	141.205	11.064	0.05475	2.65164	5	X
K16CN2R	18.1	0.15	K20CH	358.669	81.504	92.978	12.061	0.22091	2.79095	2	X
K16CN5O	17.6	0.15	K20CH	283.098	193.436	100.102	14.922	0.23978	2.62096	2	X
K16CO1J	17.4	0.15	K20CH	67.527	12.023	85.995	14.523	0.17231	2.72828	5	X
K16CR7W	16.6	0.15	K20CH	269.564	160.560	138.692	9.399	0.18850	2.80724	11	X
K16CS0X	16.9	0.15	K20CH	110.528	291.980	141.711	13.930	0.04703	2.70996	10	X
K16CS3K	17.6	0.15	K20CH	8.529	27.345	145.161	9.500	0.08809	2.80474	6	X
K16CT9G	17.7	0.15	K20CH	14.869	52.767	111.573	10.209	0.09083	2.76521	5	X
K16Cb3P	17.9	0.15	K20CH	14.885	128.482	24.923	5.403	0.06050	2.73445	5	V
K16Cb3Q	17.1	0.15	K20CH	328.372	207.862	320.373	9.004	0.06021	3.05916	4	V
K16D05L	17.8	0.15	K20CH	351.723	40.198	151.691	13.584	0.14301	2.73744	5	X
K16E28Q	17.0	0.15	K20CH	330.971	94.702	130.292	29.908	0.37618	2.75553	6	X
K16E31P	17.5	0.15	K20CH	227.035	216.804	125.563	14.605	0.15412	2.67413	7	X
K16E56F	19.5	0.15	K20CH	338.639	159.187	32.533	12.062	0.48153	2.94599	2	V
K16E84B	17.4	0.15	K20CH	2.233	55.222	123.515	13.876	0.15239	2.79349	4	X
K16EA2Y	17.6	0.15	K20CH	152.268	286.602	114.384	12.116	0.06226	2.69093	5	X
K16EB2Q	17.5	0.15	K20CH	11.477	6.677	167.969	14.131	0.12546	2.75837	5	X
K16EO9J	17.1	0.15	K20CH	6.083	80.673	95.966	15.179	0.13228	3.01541	4	X
K16ET6W	16.4	0.15	K20CH	174.167	270.871	44.906	25.676	0.26440	3.24227	4	V
K16ET6X	17.4	0.15	K20CH	280.769	241.531	38.724	6.640	0.05977	2.86527	5	V
K16F61Y	17.0	0.15	K20CH	108.312	340.263	101.010	17.892	0.08528	2.79597	5	X
K16F73Q	16.9	0.15	K20CH	273.750	167.004	126.217	11.432	0.08363	2.97679	7	X
K16F78O	17.8	0.15	K20CH	12.706	125.293	55.959	4.615	0.03382	2.77912	6	V
K16F78P	17.4	0.15	K20CH	268.080	139.668	134.654	10.019	0.00461	2.81255	7	V
K16G01N	17.0	0.15	K20CH	47.158	324.326	165.337	15.308	0.08783	2.86704	8	X
K16GG0Y	16.9	0.15	K20CH	270.412	142.772	152.093	10.230	0.12249	2.84440	9	X
K16GJ3M	17.3	0.15	K20CH	301.818	148.593	124.026	10.360	0.21326	2.97887	5	X
K16GJ3P	16.7	0.15	K20CH	293.024	101.656	163.482	11.787	0.06292	3.00959	11	X
K16GP4K	19.5	0.15	K20CH	8.566	342.078	179.706	22.910	0.04145	1.83109	2	V
K16GQ0P	17.1	0.15	K20CH	67.360	16.475	102.007	16.932	0.09011	2.86164	6	X
K16GQ6E	17.0	0.15	K20CH	44.545	357.821	147.875	10.252	0.04279	3.03359	6	X
K16GQ6F	16.6	0.15	K20CH	86.533	314.773	140.118	11.129	0.10282	3.08250	6	X
K16GQ6J	16.9	0.15	K20CH	128.902	288.467	138.519	14.016	0.02860	3.04815	8	X
K16GR0D	17.7	0.15	K20CH	282.397	179.499	107.459	11.084	0.18160	2.77845	3	X
K16GT6Y	17.2	0.15	K20CH	310.555	175.073	81.772	21.356	0.24289	2.76957	4	X
K16GU0D	17.2	0.15	K20CH	229.799	180.226	142.917	17.293	0.26097	3.07071	4	V
K16GU0E	17.8	0.15	K20CH	228.650	190.987	131.148	2.998	0.06098	2.86909	4	V
K16H26Y	19.5	0.15	K20CH	49.339	262.621	203.559	21.574	0.13086	1.84027	3	X
K16H32T	18.4	0.15	K20CH	124.369	27.143	108.099	4.752	0.14607	2.53285	4	V
K16H32U	17.3	0.15	K20CH	269.854	239.577	50.121	9.857	0.04082	2.90147	7	V
K16H32V	17.0	0.15	K20CH	321.860	96.308	106.107	11.327	0.07378	3.07361	6	V
K16J42D	16.5	0.15	K20CH	229.733	160.829	185.753	21.112	0.21298	3.12584	8	X
K16J42X	16.9	0.15	K20CH	221.780	197.555	155.925	17.239	0.21629	3.06809	4	X
K16K02J	16.4	0.15	K20CH	327.164	106.828	80.403	27.930	0.21071	3.16624	5	X
K16K08Q	16.5	0.15	K20CH	271.861	182.553	113.904	12.812	0.11439	3.03292	6	X
K16K13F	16.8	0.15	K20CH	274.639	183.359	130.041	30.161	0.19288	3.14773	3	V
K16L09O	18.5	0.15	K20CH	285.849	87.853	140.051	27.558	0.14775	1.90401	4	X
K16L13A	16.4	0.15	K20CH	73.830	356.017	123.993	11.602	0.02577	3.06128	10	X
K16L16D	16.5	0.15	K20CH	205.927	213.348	140.178	10.910	0.09010	3.07098	7	X
K16L31C	16.5	0.15	K20CH	227.114	253.909	88.427	17.521	0.14070	3.06686	6	X
K16L47R	17.4	0.15	K20CH	344.363	55.356	157.079	15.004	0.06793	2.98579	7	X

K16L58H	16.5	0.15	K20CH	234.065	207.884	126.908	13.631	0.15089	3.09592	9	X
K16L66T	16.4	0.15	K20CH	300.869	107.152	152.714	9.819	0.12902	3.05454	10	X
K16L76X	16.7	0.15	K20CH	80.044	0.084	100.028	19.272	0.17019	3.09360	6	X
K16L86B	17.0	0.15	K20CH	336.797	85.601	127.959	12.110	0.08676	3.06748	4	X
K16L86E	17.4	0.15	K20CH	318.876	95.176	141.328	11.682	0.05071	3.03666	5	X
K16L86N	17.5	0.15	K20CH	318.289	84.196	161.593	15.702	0.12793	3.02836	4	X
K16M01G	19.4	0.15	K20CH	82.210	244.806	200.180	18.069	0.07613	1.88229	5	X
K16M05T	16.7	0.15	K20CH	175.929	230.927	142.069	13.738	0.01253	3.15506	8	X
K16N06E	15.9	0.15	K20CH	210.587	226.257	136.470	15.425	0.11453	3.42019	10	X
K16N18G	16.2	0.15	K20CH	280.484	198.074	100.885	19.127	0.20455	3.16484	8	X
K16ND7M	17.1	0.15	K20CH	324.548	38.875	199.424	24.087	0.22695	3.04652	2	X
K16ND8H	19.0	0.15	K20CH	114.753	188.984	128.135	3.176	0.19176	2.22844	2	V
K16O08A	16.8	0.15	K20CH	307.827	88.130	178.393	16.109	0.20131	3.16955	4	X
K16P10D	16.5	0.15	K20CH	133.140	129.459	348.584	15.448	0.02833	3.15720	7	V
K16QC3E	16.8	0.15	K20CH	300.504	9.485	340.096	10.343	0.04728	2.96209	2	V
K16QC5W	16.9	0.15	K20CH	177.460	264.779	204.218	25.474	0.14043	3.16330	6	V
K16R66B	19.4	0.15	K20CH	255.454	78.814	207.424	21.662	0.07845	1.96952	3	X
K16S30V	16.8	0.15	K20CH	266.674	225.984	171.528	17.313	0.21544	3.14156	3	V
K16TG4A	18.3	0.15	K20CH	352.754	264.125	217.996	4.912	0.16891	2.33833	3	V
K16TG4B	17.4	0.15	K20CH	52.049	255.861	27.620	1.827	0.07001	2.81045	6	V
K16TG4C	16.9	0.15	K20CH	273.931	304.013	82.860	18.076	0.23405	3.13925	4	V
K16UQ6W	16.5	0.15	K20CH	182.143	265.895	233.050	21.089	0.14914	3.17200	4	V
K16V47G	16.9	0.15	K20CH	295.327	328.187	64.212	14.033	0.11001	3.13198	6	V
K16V47H	17.3	0.15	K20CH	205.368	328.930	157.219	0.787	0.12839	3.08338	4	V
K16W72K	16.2	0.15	K20CH	234.951	19.229	85.117	19.243	0.04491	3.09026	5	V
K16X33E	16.2	0.15	K20CH	250.883	1.352	106.115	27.759	0.09500	3.17532	4	V
K16Y27N	16.7	0.15	K20CH	280.216	126.960	309.563	22.186	0.15753	3.09311	4	V
K17A44J	18.7	0.15	K20CH	282.935	37.694	221.513	7.297	0.10857	2.26729	3	V
K17A44M	19.0	0.15	K20CH	350.179	20.468	151.202	12.447	0.17286	2.37643	2	V
K17BI1C	19.2	0.15	K20CH	340.347	19.403	173.137	2.377	0.14438	2.36803	4	V
K17DD9L	18.3	0.15	K20CH	325.707	141.184	61.300	11.928	0.09590	2.39714	5	V
K17DD9M	18.6	0.15	K20CH	334.181	167.694	36.274	4.067	0.01216	2.33702	5	V
K17E01P	16.0	0.15	K20CH	301.929	146.488	89.016	34.427	0.21915	2.61068	9	X
K17E01Y	17.8	0.15	K20CH	308.702	103.991	130.208	28.371	0.38920	2.61483	3	X
K17F02K	17.8	0.15	K20CH	319.509	66.454	150.456	29.718	0.36161	2.58191	3	X
K17FH4S	17.7	0.15	K20CH	300.415	79.414	186.423	23.049	0.25148	2.34657	7	X
K17FI8S	18.8	0.15	K20CH	283.708	43.355	267.054	2.926	0.48096	2.47620	2	X
K17FJ1A	18.6	0.15	K20CH	343.564	117.743	69.724	2.902	0.06933	2.41559	4	V
K17FJ1B	17.9	0.15	K20CH	298.998	328.732	247.033	7.780	0.24797	2.67984	4	V
K17FJ1C	18.9	0.15	K20CH	5.077	310.680	204.108	7.446	0.16996	2.46127	4	V
K17FJ1D	19.0	0.15	K20CH	295.582	152.084	114.662	2.299	0.16957	2.42609	3	V
K17G13C	17.7	0.15	K20CH	258.772	195.509	105.212	13.158	0.15649	2.54257	4	X
K17G21D	18.5	0.15	K20CH	319.153	137.708	87.858	13.327	0.13483	2.51786	2	X
K17G21T	18.9	0.15	K20CH	98.840	341.704	136.543	4.467	0.08769	2.26085	4	V
K17G21U	17.8	0.15	K20CH	264.984	197.207	92.359	11.016	0.18587	2.57795	5	V
K17G21V	18.5	0.15	K20CH	278.648	72.160	197.617	9.176	0.17922	2.57558	3	V
K17H09B	17.8	0.15	K20CH	277.631	183.725	107.208	10.683	0.21480	2.44258	6	X
K17H69U	18.0	0.15	K20CH	336.671	50.554	160.168	11.426	0.10756	2.55578	5	X
K17H77S	18.2	0.15	K20CH	312.734	85.171	145.311	30.188	0.26089	2.57098	4	X
K17H78S	18.5	0.15	K20CH	326.187	3.944	205.773	11.263	0.13995	2.59899	2	V
K17J08P	18.1	0.15	K20CH	344.314	122.558	62.523	31.714	0.24897	2.58008	2	X
K17J08U	17.9	0.15	K20CH	298.625	96.902	157.059	10.980	0.13587	2.58732	5	X
K17K29B	17.7	0.15	K20CH	278.959	150.902	149.812	12.881	0.26633	2.59445	7	X
K17K40V	18.0	0.15	K20CH	312.710	153.558	81.877	13.954	0.13994	2.58318	4	X
K17K41U	18.2	0.15	K20CH	355.548	13.315	180.795	15.204	0.07600	2.60086	5	X
K17K42F	18.6	0.15	K20CH	257.464	14.583	104.943	23.077	0.06900	1.87221	4	V
K17M01V	17.9	0.15	K20CH	347.454	27.461	173.594	13.301	0.10393	2.62078	3	X
K17M14Z	16.7	0.15	K20CH	145.208	242.852	161.349	12.989	0.17236	3.15282	8	X
K17M18M	17.9	0.15	K20CH	281.821	177.862	112.015	16.001	0.19042	2.72924	4	X
K17M18Z	17.1	0.15	K20CH	230.175	306.707	2.530	14.738	0.08412	3.01178	4	V
K17N16F	18.1	0.15	K20CH	295.707	136.421	143.201	12.742	0.27879	2.64407	3	X
K17O04F	16.4	0.15	K20CH	150.909	278.576	124.706	12.324	0.09644	3.01072	12	X
K17O11N	16.8	0.15	K20CH	147.296	268.033	139.857	11.158	0.09311	3.08706	9	X
K17O90Q	16.7	0.15	K20CH	331.305	97.664	123.812	10.510	0.02786	3.16716	6	X
K17O97N	17.3	0.15	K20CH	253.430	152.081	153.119	11.843	0.06834	3.06458	3	X
K17OA7U	17.6	0.15	K20CH	257.508	166.800	147.417	11.816	0.13287	2.96508	6	X
K17OA8M	17.1	0.15	K20CH	179.709	224.896	162.225	11.595	0.20550	3.02344	5	V
K17OA8N	17.4	0.15	K20CH	235.965	211.237	141.832	5.331	0.12287	2.76777	6	V
K17OA8O	18.5	0.15	K20CH	332.344	329.241	345.510	6.741	0.13181	2.38157	4	V
K17OA8P	17.2	0.15	K20CH	261.917	214.664	90.118	7.125	0.15895	2.96976	5	V
K17OA8Q	17.3	0.15	K20CH	248.753	98.225	191.059	0.458	0.13995	3.14766	4	V
K17OA8R	17.7	0.15	K20CH	240.777	86.034	236.294	9.951	0.17253	2.97262	4	V
K17OA8S	17.7	0.15	K20CH	281.896	167.205	127.774	5.238	0.03738	2.79551	4	V
K17OA8W	18.0	0.15	K20CH	277.170	194.191	116.467	12.026	0.25874	2.77719	2	V
K17P58P	17.1	0.15	K20CH	57.279	330.118	168.454	16.564	0.04125	3.20013	6	X
K17P59Y	16.9	0.15	K20CH	201.901	234.358	119.630	3.533	0.11645	3.10739	6	V
K17Q09L	18.6	0.15	K20CH	300.207	120.988	152.184	11.294	0.31306	2.68729	2	X
K17QA9R	17.4	0.15	K20CH	228.861	161.485	185.229	9.099	0.14368	3.05609	5	V
K17QA9S	17.6	0.15	K20CH	185.001	46.880	24.991	7.040	0.06880	2.84341	5	V
K17QA9T	17.2	0.15	K20CH	244.431	140.073	178.797	8.867	0.06674	3.17360	3	V
K17QA9U	17.1	0.15	K20CH	268.360	313.283	339.716	8.739	0.03891	3.10323	5	V
K17QA9V	17.4	0.15	K20CH	263.500	79.790	213.893	6.628	0.05428	3.03610	4	V
K17QA9W	17.2	0.15	K20CH	271.173	172.469	122.177	12.048	0.12275	3.00323	3	V
K17R13Y	16.0	0.15	K20CH	199.229	217.079	153.246	13.535	0.13364	3.19484	11	X
K17R30J	16.6	0.15	K20CH	172.314	241.821	141.464	11.189	0.08399	3.19891	5	X
K17S19R	19.3	0.15	K20CH	318.008	106.400	158.059	14.442	0.55989	2.60266	2	X
K17S62P	16.7	0.15	K20CH	230.636	158.826	176.713	14.688	0.06408	3.14035	7	X
K17SM4N	16.7	0.15	K20CH	225.596	202.802	136.386	11.093	0.06351	3.33629	6	X
K17SO4J	17.3	0.15	K20CH	287.662	269.920	355.863	0.531	0.09378	3.10295	4	V
K17SO4K	17.1	0.15	K20CH	271.115	261.383	44.010	16.679	0.27702	3.08525	3	V
K17SO4L	17.2	0.15	K20CH	234.017	121.704	243.866	8.693	0.12413	2.99211	4	V
K17SO4M	17.3	0.15	K20CH	258.720	246.711	63.513	8.490	0.18892	3.12049	4	V
K17SO4N	18.6	0.15	K20CH	245.391	309.639	175.699	5.445	0.10242	2.29724	4	V

K17S04O	17.0	0.15	K20CH	297.177	235.531	11.964	7.220	0.10268	3.21250	4 V
K17S04P	17.3	0.15	K20CH	328.759	107.517	135.569	6.235	0.07972	3.09201	3 V
K17T35Z	16.9	0.15	K20CH	182.026	322.934	112.394	18.030	0.20157	3.05968	6 V
K17UD6L	18.3	0.15	K20CH	261.221	267.183	144.687	5.898	0.21110	2.63720	4 V
K17UD6M	16.8	0.15	K20CH	245.102	281.038	45.057	25.879	0.23424	3.19277	3 V
K17UD6N	16.9	0.15	K20CH	288.752	70.214	225.262	15.752	0.20136	3.13111	5 V
K17W23P	17.2	0.15	K20CH	253.835	237.501	97.857	16.125	0.30101	3.05703	5 X
K17W60B	19.2	0.15	K20CH	358.035	83.168	77.912	25.049	0.02953	1.82072	3 V
K17X78D	17.7	0.15	K20CH	268.557	25.193	51.999	14.405	0.16252	2.72244	5 V
K17Y39V	18.0	0.15	K20CH	226.943	103.095	76.240	4.958	0.12001	2.43880	6 V
K17Y39W	16.8	0.15	K20CH	180.209	106.462	12.434	10.131	0.03799	3.19698	5 V
K18A41B	18.2	0.15	K20CH	244.501	104.126	98.496	4.072	0.12837	2.34934	5 V
K18A41C	17.8	0.15	K20CH	199.907	123.078	61.982	7.004	0.21259	2.77078	5 V
K18A41D	16.9	0.15	K20CH	241.999	55.443	52.446	10.630	0.15150	2.92544	5 V
K18A41E	17.4	0.15	K20CH	257.720	315.166	138.816	12.634	0.16113	2.79895	5 V
K18A41F	17.2	0.15	K20CH	226.947	348.092	116.202	2.612	0.15037	2.99621	4 V
K18A41G	16.6	0.15	K20CH	242.245	299.999	118.575	12.594	0.17879	3.15205	4 V
K18A41H	17.7	0.15	K20CH	216.944	239.862	266.966	3.763	0.09929	2.78907	4 V
K18A41J	17.6	0.15	K20CH	280.226	350.738	105.759	7.480	0.13989	2.62974	5 V
K18A41K	18.1	0.15	K20CH	295.450	44.435	108.999	4.752	0.09492	2.34576	5 V
K18B24Q	18.2	0.15	K20CH	225.826	51.472	132.903	3.612	0.04104	2.45136	5 V
K18B24R	17.8	0.15	K20CH	299.726	260.910	137.753	12.147	0.33164	2.65827	4 V
K18B24S	16.9	0.15	K20CH	144.969	164.749	23.960	14.457	0.05431	3.05945	7 V
K18D01A	18.8	0.15	K20CH	153.551	233.909	139.933	25.499	0.72719	1.20726	7 X
K18G05V	20.0	0.15	K20CH	344.588	83.266	29.713	21.885	0.47850	2.17671	2 X
K18N31F	17.0	0.15	K20CH	135.499	38.439	313.356	13.417	0.14893	3.01222	3 V
K18P19S	18.5	0.15	K20CH	282.676	142.927	132.482	10.681	0.20343	2.27090	7 X
K18P57Y	18.2	0.15	K20CH	225.886	303.657	48.218	6.947	0.13160	2.33162	4 V
K18P57Z	17.2	0.15	K20CH	140.645	64.912	298.967	7.579	0.08581	2.99981	4 V
K18P58A	16.8	0.15	K20CH	108.678	320.651	92.638	11.858	0.11280	3.02086	5 V
K18P58B	16.7	0.15	K20CH	109.838	181.149	202.964	19.802	0.07630	3.16291	4 V
K18Q15F	17.3	0.15	K20CH	221.844	151.085	167.551	14.199	0.26833	2.62427	8 V
K18R17C	16.4	0.15	K20CH	177.423	244.595	130.093	14.778	0.07273	2.75760	10 X
K18R24N	16.8	0.15	K20CH	178.477	236.300	144.838	14.032	0.19058	2.59936	9 X
K18R34H	18.2	0.15	K20CH	251.892	193.978	124.344	11.171	0.24381	2.33421	6 X
K18S07M	16.8	0.15	K20CH	151.669	246.951	159.622	15.187	0.25066	2.80252	8 X
K18T01A	17.0	0.15	K20CH	217.072	239.361	113.633	37.408	0.28532	2.57344	4 X
K18T35J	17.0	0.15	K20CH	152.864	272.901	108.388	15.177	0.12131	3.09874	4 V
K18T35K	17.0	0.15	K20CH	170.953	169.099	201.083	9.544	0.09675	2.99725	7 V
K18U27G	17.0	0.15	K20CH	143.084	240.753	165.408	12.961	0.08400	2.97181	5 X
K18U34F	16.5	0.15	K20CH	247.159	301.184	330.246	9.343	0.02501	3.15153	7 V
K18V26P	17.5	0.15	K20CH	208.634	222.272	133.535	14.182	0.19976	2.67063	5 X
K18V26X	16.6	0.15	K20CH	219.426	230.320	118.734	12.577	0.20558	2.63911	13 X
K18V83U	16.6	0.15	K20CH	105.204	320.758	111.912	13.682	0.20587	3.12587	8 X
K18V84A	17.2	0.15	K20CH	182.487	237.790	137.139	14.134	0.21222	2.66270	8 X
K18V85Q	17.1	0.15	K20CH	229.262	211.005	135.718	12.851	0.20970	2.61385	9 X
K18V85T	16.3	0.15	K20CH	141.920	247.268	163.981	19.583	0.16583	3.18620	11 X
K18V85X	16.7	0.15	K20CH	150.245	257.042	151.470	15.704	0.12364	3.09834	8 X
K18VC8H	17.1	0.15	K20CH	174.607	285.272	93.603	12.613	0.07546	3.08626	8 X
K18VD9B	16.9	0.15	K20CH	217.332	223.809	122.196	12.169	0.16793	2.84733	6 X
K18VE0B	17.3	0.15	K20CH	162.458	243.397	119.826	11.528	0.26961	3.12719	4 V
K18VE0C	16.7	0.15	K20CH	67.462	228.765	234.554	10.397	0.03415	3.11417	5 V
K18X30G	18.3	0.15	K20CH	227.543	205.005	286.829	17.771	0.08406	1.96978	3 V
K19A24V	16.3	0.15	K20CH	149.780	304.813	98.569	21.033	0.18476	3.07557	9 X
K19A25A	16.7	0.15	K20CH	255.012	219.017	101.313	14.023	0.19667	2.64305	10 X
K19A25M	15.1	0.15	K20CH	56.180	12.898	113.248	14.685	0.17490	3.97391	11 X
K19A79G	17.4	0.15	K20CH	106.446	277.361	279.621	9.445	0.10059	2.70700	8 V
K19C18F	16.4	0.15	K20CH	50.415	160.541	77.743	12.293	0.07736	3.03190	10 V
K19F23T	17.9	0.15	K20CH	187.909	310.684	190.903	8.128	0.10745	2.64514	4 V
K19F23U	16.5	0.15	K20CH	152.757	277.625	218.562	9.928	0.10793	3.23166	4 V
K19F23V	17.8	0.15	K20CH	225.687	21.380	84.051	3.176	0.00901	2.67619	4 V
K19F23W	17.9	0.15	K20CH	86.676	248.793	14.654	12.105	0.15405	2.68140	3 V
K19F23X	19.2	0.15	K20CH	159.908	17.276	195.042	1.908	0.15836	2.34935	3 V
K19G98M	18.6	0.15	K20CH	105.626	91.597	190.612	4.442	0.15931	2.30911	5 V
K19G98N	17.4	0.15	K20CH	72.961	48.114	213.737	14.794	0.11685	2.83226	4 V
K19G98O	17.7	0.15	K20CH	63.461	227.589	55.619	3.424	0.15962	2.81123	6 V
K19G98P	17.5	0.15	K20CH	270.235	252.263	160.666	2.235	0.06642	3.03940	7 V
K19G98Q	16.7	0.15	K20CH	186.510	270.996	203.605	8.454	0.12707	3.07757	4 V
K19G98R	18.3	0.15	K20CH	101.324	334.572	321.072	6.867	0.11392	2.35729	5 V
K19G98S	18.8	0.15	K20CH	159.693	308.587	301.876	6.082	0.15230	2.19593	4 V
K19G98T	18.8	0.15	K20CH	148.948	26.495	207.490	4.607	0.07879	2.25462	4 V
K19G98U	17.1	0.15	K20CH	75.238	183.152	80.644	9.434	0.04494	3.08148	3 V
K19G98V	18.3	0.15	K20CH	89.895	245.655	38.112	12.703	0.15368	2.47273	4 V
K19H04H	19.9	0.15	K20CH	191.432	150.715	211.476	33.853	0.38751	1.53239	3 X
K19J94N	17.6	0.15	K20CH	82.285	189.687	104.974	3.581	0.19231	2.64497	5 V
K19J94O	17.2	0.15	K20CH	28.440	231.288	90.275	3.238	0.02425	2.94857	8 V
K19J94P	19.9	0.15	K20CH	14.286	350.151	106.002	23.908	0.00941	1.83909	4 V
K19J94Q	17.9	0.15	K20CH	153.083	76.843	144.138	17.920	0.06485	2.70598	4 V
K19J94R	17.9	0.15	K20CH	112.598	42.969	206.485	4.406	0.12981	2.76979	4 V
K19K42B	17.3	0.15	K20CH	87.823	68.850	197.610	9.526	0.06260	2.99287	8 V
K19K42C	16.9	0.15	K20CH	90.432	34.362	270.485	11.733	0.14993	3.14524	5 V
K19K42D	17.4	0.15	K20CH	41.314	179.709	140.690	8.206	0.05301	3.06673	4 V
K19M21Y	17.0	0.15	K20CH	61.966	312.248	36.931	8.367	0.24034	2.56278	6 V
K19N65Y	18.8	0.15	K20CH	142.057	342.349	346.627	7.524	0.16027	2.23991	4 V
K19N65Z	18.3	0.15	K20CH	134.391	187.683	99.711	3.120	0.18364	2.62366	5 V
K19P61O	16.9	0.15	K20CH	151.864	277.896	330.627	15.625	0.22667	3.12341	4 V
K19P61P	14.6	0.15	K20CH	307.465	245.387	185.644	11.405	0.02664	5.24560	5 V
K19R70P	19.7	0.15	K20CH	267.180	61.539	205.569	21.276	0.04851	1.87646	2 X
K19R70U	18.6	0.15	K20CH	137.690	84.109	266.644	6.133	0.14552	2.33292	4 V
K19SH5M	17.3	0.15	K20CH	29.534	139.967	297.358	9.436	0.07314	3.10501	6 V
K19U53G	18.3	0.15	K20CH	88.551	5.397	78.469	24.518	0.15624	2.29499	3 X
K19V30O	18.7	0.15	K20CH	28.647	126.316	12.152	3.486	0.07566	2.38751	6 V
K19W18P	16.9	0.15	K20CH	354.042	308.442	218.769	17.276	0.10124	3.11342	6 V

K19W18Q	18.1	0.15	K20CH	63.884	265.897	191.513	5.352	0.11736	2.62712	5 V
K19W18R	18.5	0.15	K20CH	308.838	177.691	54.166	8.268	0.11378	2.28839	4 V
K19X12H	17.7	0.15	K20CH	141.672	285.380	115.779	13.049	0.11454	2.64793	4 V
K19X12J	17.6	0.15	K20CH	207.753	293.441	32.295	6.763	0.05022	2.75385	6 V
K19X12K	16.9	0.15	K20CH	97.645	340.265	83.457	12.709	0.13407	3.10444	5 V
K19Y37Y	17.1	0.15	K20CH	19.863	111.675	48.516	12.146	0.03492	3.10078	4 V
K19Y37Z	16.7	0.15	K20CH	321.777	341.321	248.244	9.162	0.07440	3.15585	4 V
K20A21X	17.7	0.15	K20CH	31.499	358.353	164.541	9.210	0.13564	2.94027	2 V
K20A21Y	17.8	0.15	K20CH	56.995	75.436	48.081	11.225	0.14122	3.07740	3 V
K20A21Z	17.5	0.15	K20CH	256.481	145.487	154.563	10.367	0.11007	2.76429	5 V
K20B20E	17.1	0.15	K20CH	302.309	125.977	134.620	11.376	0.05189	3.13149	5 X
K20B21J	17.3	0.15	K20CH	7.541	73.698	112.964	14.949	0.06738	3.16979	5 X
K20B67O	17.7	0.15	K20CH	228.102	234.718	96.234	13.466	0.10742	2.55640	6 X
K20B76L	15.5	0.15	K20CH	2.286	113.518	82.934	18.599	0.26433	5.51949	2 X
K20B79O	16.9	0.15	K20CH	238.369	199.601	123.037	36.393	0.16724	2.74345	4 X
K20B79T	16.7	0.15	K20CH	16.859	11.490	153.992	16.292	0.03273	3.16916	5 V
K20B79U	17.7	0.15	K20CH	47.858	96.275	40.332	1.159	0.13194	3.08487	3 V
K20B79V	17.6	0.15	K20CH	167.352	29.140	348.566	3.847	0.08559	2.81469	6 V
K20B79W	17.3	0.15	K20CH	122.984	182.184	236.657	4.431	0.14136	3.11731	5 V
K20B79X	17.6	0.15	K20CH	87.861	67.183	49.187	4.984	0.06572	2.80537	4 V
K20B79Y	16.5	0.15	K20CH	210.335	204.827	117.366	17.458	0.15430	3.08864	8 V
K20B79Z	17.4	0.15	K20CH	75.721	76.198	35.186	2.475	0.04421	2.86004	5 V
K20B80A	17.5	0.15	K20CH	97.917	37.403	39.096	9.845	0.07958	3.15811	3 V
K20B80B	17.3	0.15	K20CH	135.788	266.187	162.277	2.268	0.05023	2.86287	7 V
K20B80C	17.1	0.15	K20CH	97.650	249.407	199.124	9.189	0.08136	3.08676	6 V
K20B80D	17.8	0.15	K20CH	241.028	203.520	111.050	5.361	0.04709	2.72127	7 V
K20B80E	17.8	0.15	K20CH	291.823	164.541	115.130	14.213	0.10308	2.68102	5 V
K20B80F	17.0	0.15	K20CH	209.858	304.050	23.452	11.018	0.05045	3.15047	3 V
K20C06Z	17.0	0.15	K20CH	74.984	315.328	162.306	11.616	0.12698	3.20038	5 V
K20HB4A	17.0	0.15	K20CH	341.975	156.648	116.177	0.059	0.10689	3.14915	6 V
K20HB4B	18.1	0.15	K20CH	357.181	67.866	244.781	4.466	0.27681	2.56591	4 V
K20M38R	17.2	0.15	K20CH	354.257	202.847	146.196	9.867	0.10019	3.06106	4 V
K20P69S	17.7	0.15	K20CH	259.602	329.477	128.809	5.270	0.03204	2.74472	6 V
K20Q80N	17.6	0.15	K20CH	99.706	259.202	10.780	8.595	0.04482	2.99752	4 V
K20RB3E	17.7	0.15	K20CH	68.017	342.371	344.444	8.107	0.02302	2.73461	4 V
K20S23U	18.1	0.15	K20CH	27.446	149.238	207.720	4.701	0.18545	2.77203	4 V
K20S26Q	18.9	0.15	K20CH	77.732	303.520	1.089	2.879	0.16223	2.26025	5 V
K20S26R	18.6	0.15	K20CH	2.544	190.123	208.676	7.978	0.15931	2.56396	4 V
K20S30H	18.3	0.15	K20CH	54.722	109.984	209.425	2.586	0.24109	2.59727	4 V
K20S30Z	18.0	0.15	K20CH	30.209	74.901	290.787	13.021	0.30890	2.59891	4 V
K20S31N	19.5	0.15	K20CH	34.807	11.818	353.116	5.430	0.18095	2.23902	3 V
K20S32H	18.3	0.15	K20CH	1.861	79.161	330.335	3.952	0.14188	2.80117	4 V
K20S33F	16.7	0.15	K20CH	16.777	195.057	182.178	10.033	0.07930	3.44525	3 V
K20S42M	18.1	0.15	K20CH	33.394	267.007	70.269	0.698	0.22548	3.12322	4 V
K20S42Y	18.7	0.15	K20CH	67.096	275.025	33.746	1.536	0.18275	2.38816	5 V
K20S44F	19.0	0.15	K20CH	16.749	243.887	133.464	3.085	0.22137	2.62812	4 X
K20S47B	17.1	0.15	K20CH	293.324	178.765	306.627	6.036	0.11023	3.19574	6 V
K20S47Q	19.5	0.15	K20CH	40.801	39.522	300.086	2.782	0.22311	2.32593	2 V
K20S50W	18.6	0.15	K20CH	34.043	147.546	199.672	3.634	0.20485	2.63653	4 V
K20S51H	18.8	0.15	K20CH	56.144	110.996	199.570	3.676	0.27753	2.57971	2 V
K20S53K	19.2	0.15	K20CH	73.932	339.075	329.040	1.603	0.18977	2.23550	3 V
K20S54B	19.6	0.15	K20CH	54.506	105.150	228.165	0.798	0.19884	2.26696	2 V
K20S54W	18.0	0.15	K20CH	337.024	236.776	192.943	1.917	0.07159	2.64479	6 V
K20S55F	19.6	0.15	K20CH	31.819	340.777	22.069	1.394	0.23829	2.25001	4 V
K20S81S	17.8	0.15	K20CH	66.736	223.841	99.342	5.680	0.15339	2.80296	3 V
K20W06A	20.1	0.15	K20CH	327.280	57.948	91.501	21.620	0.45292	2.22143	2 X
K21A07V	19.0	0.15	K20CH	339.452	39.043	153.486	29.400	0.70588	3.05177	2 X
K21A24E	18.2	0.15	K20CH	306.270	117.480	137.788	30.321	0.33852	2.60843	2 X
K21A24R	18.9	0.15	K20CH	25.455	109.294	346.502	5.276	0.07101	2.28072	4 V
K21E20E	18.3	0.15	K20CH	336.279	42.265	161.772	13.274	0.17735	2.56009	2 X
K21F23X	19.0	0.15	K20CH	337.887	38.423	159.075	12.409	0.16050	2.38938	4 X
K21F37R	16.9	0.15	K20CH	292.586	145.769	134.320	14.665	0.16675	3.15032	4 X
K21F38K	17.4	0.15	K20CH	330.553	85.811	127.327	17.812	0.07447	2.93864	4 V
K21F38L	19.0	0.15	K20CH	333.913	176.655	20.152	3.358	0.10646	2.41152	4 V
K21F38M	17.6	0.15	K20CH	272.382	31.379	248.275	7.822	0.16826	2.76088	4 V
K21F38N	17.0	0.15	K20CH	310.706	216.069	9.015	9.001	0.06345	3.18324	5 V
K21F38O	18.2	0.15	K20CH	352.008	182.559	348.854	10.319	0.08029	2.72697	3 V
K21F38P	18.1	0.15	K20CH	28.823	356.957	126.046	12.888	0.15162	2.52650	3 V
K21F38Q	16.7	0.15	K20CH	306.405	1.794	242.016	12.990	0.04761	3.24344	4 V
K21G14Q	17.1	0.15	K20CH	284.556	181.526	101.390	15.527	0.15685	2.78862	5 X
K21G22R	18.2	0.15	K20CH	359.664	1.532	175.333	13.493	0.10330	2.52992	6 X
K21G33G	17.5	0.15	K20CH	231.158	212.885	116.472	13.697	0.14890	2.74764	3 X
K21G35A	17.2	0.15	K20CH	58.775	49.111	67.766	22.350	0.08475	2.72025	5 X
K21G45V	17.2	0.15	K20CH	341.919	52.638	163.699	17.464	0.16951	3.22553	5 X
K21G47F	17.7	0.15	K20CH	332.778	105.535	108.901	13.339	0.10210	2.64300	2 X
K21G51M	18.6	0.15	K20CH	320.094	43.437	196.397	15.784	0.21706	2.64845	2 X
K21G59E	18.8	0.15	K20CH	272.787	58.223	253.645	5.704	0.46491	2.41393	3 X
K21G69O	18.8	0.15	K20CH	311.180	150.523	65.210	25.053	0.05804	1.94482	4 X
K21G91H	17.7	0.15	K20CH	51.719	86.079	18.173	9.590	0.14380	2.81308	4 V
K21G91J	17.6	0.15	K20CH	290.756	302.354	314.588	12.289	0.15885	2.57874	4 V
K21G91K	17.5	0.15	K20CH	27.306	157.909	345.812	4.521	0.15579	2.97090	5 V
K21G91L	17.4	0.15	K20CH	312.387	183.743	65.238	1.948	0.12712	3.12971	5 V
K21G91M	17.2	0.15	K20CH	286.116	92.085	194.564	25.086	0.30942	3.18130	4 V
K21G91N	17.5	0.15	K20CH	341.241	35.343	169.319	11.125	0.04001	3.01287	4 V
K21G91O	18.7	0.15	K20CH	332.528	105.122	96.155	5.551	0.16855	2.52452	3 V
K21G91P	16.6	0.15	K20CH	22.494	17.008	148.715	3.381	0.11212	3.93719	4 V
K21G91Q	17.0	0.15	K20CH	259.328	276.778	5.671	11.276	0.01404	3.03302	5 V
K21G91R	17.4	0.15	K20CH	200.851	321.142	13.724	10.012	0.03028	3.05114	4 V
K21G91S	17.6	0.15	K20CH	278.029	123.811	175.080	14.716	0.28256	2.65836	4 V
K21G91T	17.8	0.15	K20CH	286.159	256.295	41.180	13.260	0.26721	2.66031	4 V
K21G91U	17.5	0.15	K20CH	292.169	352.808	253.555	4.551	0.05579	2.85574	4 V
K21G91V	18.7	0.15	K20CH	47.132	85.110	16.858	8.848	0.16735	2.41343	5 V
K21G91W	18.2	0.15	K20CH	267.961	74.830	201.758	5.800	0.10832	2.68378	4 V

K21G91X	17.9	0.15	K20CH	152.375	307.599	81.017	8.183	0.07044	2.76043	4 V
K21G91Y	18.1	0.15	K20CH	216.844	251.431	83.853	4.591	0.09994	2.75244	4 V
K21G91Z	18.1	0.15	K20CH	317.010	107.524	138.136	6.907	0.27190	3.11070	3 V
K21G92A	17.9	0.15	K20CH	292.343	98.872	163.427	5.177	0.17763	2.98586	4 V
K21G92B	19.4	0.15	K20CH	286.252	190.141	65.647	5.500	0.11989	2.25741	3 V
K21G92C	17.1	0.15	K20CH	307.125	117.192	124.920	10.546	0.04626	3.21106	5 V
K21G92D	19.5	0.15	K20CH	273.120	77.319	203.674	4.899	0.22961	2.30908	4 V
K21G92E	18.4	0.15	K20CH	338.578	181.378	10.219	2.035	0.13775	2.63289	4 V
K21G92F	18.0	0.15	K20CH	267.931	110.318	183.085	12.342	0.18683	2.68886	4 V
K21G92G	18.6	0.15	K20CH	318.697	181.099	65.510	6.310	0.23173	2.74318	3 V
K21G92H	19.1	0.15	K20CH	16.060	296.756	217.134	9.247	0.15041	2.33431	4 V
K21G92J	19.2	0.15	K20CH	81.694	34.098	43.792	21.954	0.08307	1.93507	3 V
K21G92K	18.3	0.15	K20CH	0.794	354.689	168.129	10.059	0.13815	2.57140	4 V
K21G92L	17.5	0.15	K20CH	24.906	139.968	10.362	17.010	0.06521	2.54673	4 V
K21G92M	18.4	0.15	K20CH	314.454	79.037	148.965	8.867	0.09591	2.56036	3 V
K21G92N	18.1	0.15	K20CH	77.011	43.663	56.543	5.231	0.01499	2.65133	3 V
K21G92O	17.5	0.15	K20CH	313.645	187.662	56.154	17.523	0.15793	3.18097	3 V
K21G92P	18.2	0.15	K20CH	13.998	87.026	62.292	14.886	0.20704	2.91300	3 V
K21G92Q	19.1	0.15	K20CH	325.220	120.383	92.778	2.602	0.12412	2.38341	3 V
K21G92R	16.8	0.15	K20CH	301.532	28.144	227.010	10.416	0.08656	3.15445	3 V
K21H11N	18.5	0.15	K20CH	293.813	270.154	359.074	1.992	0.15363	2.34943	5 V
K21H11O	18.1	0.15	K20CH	21.871	109.221	43.028	12.024	0.12757	2.58300	3 V
K21J17P	18.0	0.15	K20CH	225.774	195.232	137.190	24.305	0.14190	2.27226	4 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K10P64P	19.0	0.15	K20CH	125.906	36.583	328.576	11.621	0.30575	2.65389	35 V
K11UM7E	18.9	0.15	K20CH	220.773	306.287	45.979	4.650	0.23973	2.34202	30 V
K11U11J	19.1	0.15	K20CH	61.861	88.469	262.017	2.751	0.23540	2.66736	12 V
K13AK2M	18.0	0.15	K20CH	262.290	251.776	299.599	10.777	0.11578	2.62063	52 V
K13PB4M	19.2	0.15	K20CH	297.305	335.493	325.359	12.292	0.26883	2.56501	27 V
K13U45A	18.8	0.15	K20CH	207.529	266.355	163.906	7.179	0.30176	2.66059	20 V
K15J23X	17.9	0.15	K20CH	12.089	156.486	132.653	13.573	0.10007	2.85186	33 V
K15KJ9S	17.2	0.15	K20CH	113.324	340.590	140.073	11.067	0.06834	3.08974	26 V
K15W34Q	18.4	0.15	K20CH	180.333	196.453	158.742	8.344	0.21350	2.40273	75 V
K16J51E	16.7	0.15	K20CH	223.317	227.859	89.514	28.271	0.16389	3.22125	61 V
K16S98J	18.7	0.15	K20CH	286.310	318.615	92.129	7.156	0.28301	2.94463	24 V
K16W72L	17.9	0.15	K20CH	234.460	277.797	197.518	12.813	0.25180	3.16781	53 V
K16Y27O	18.0	0.15	K20CH	297.586	227.143	198.316	14.876	0.20859	2.93183	37 V
K16Y27P	17.4	0.15	K20CH	270.341	291.803	259.146	11.997	0.11730	2.66743	69 V
K16Y27Q	17.1	0.15	K20CH	290.067	143.613	273.949	13.414	0.24380	3.20087	41 V
K16Y27R	19.7	0.15	K20CH	204.149	180.637	280.124	19.708	0.05663	1.88787	39 V
K16Y27S	17.4	0.15	K20CH	255.150	337.408	150.384	18.070	0.16603	3.08675	58 V
K17A44K	17.5	0.15	K20CH	272.550	171.105	282.474	15.213	0.16182	3.18063	31 V
K17A44L	18.8	0.15	K20CH	327.008	332.117	143.074	14.706	0.21101	2.67176	45 V
K17DD9N	18.3	0.15	K20CH	318.823	333.383	200.942	4.457	0.15094	2.63956	36 V
K17FJ1E	17.5	0.15	K20CH	267.688	325.020	176.365	17.040	0.17622	3.18701	31 V
K17FJ1F	17.1	0.15	K20CH	198.501	52.059	175.920	10.509	0.10971	3.21908	28 V
K17FJ1G	19.1	0.15	K20CH	336.209	147.127	69.136	2.440	0.12673	2.41534	31 V
K17G21W	17.6	0.15	K20CH	285.446	169.131	59.218	18.141	0.20171	2.75667	46 V
K17N16U	18.6	0.15	K20CH	285.875	29.173	288.176	12.300	0.16729	2.61769	54 V
K17N16V	18.5	0.15	K20CH	261.751	283.851	61.204	3.282	0.21650	2.63324	43 V
K17N16W	16.7	0.15	K20CH	171.366	271.129	111.484	10.867	0.19636	3.16012	45 V
K17N16X	16.4	0.15	K20CH	138.954	337.346	357.050	2.567	0.15373	4.00367	45 V
K17N16Y	17.9	0.15	K20CH	306.114	138.746	135.923	14.226	0.16668	2.75863	80 V
K17N16Z	18.3	0.15	K20CH	259.454	247.752	116.377	8.704	0.23535	2.61019	44 V
K17N17A	18.1	0.15	K20CH	197.238	38.094	336.899	10.255	0.24581	3.05515	54 V
K17N17B	19.1	0.15	K20CH	3.768	227.236	44.455	2.935	0.18446	2.39281	44 V
K17N17C	17.2	0.15	K20CH	215.650	191.996	124.937	13.323	0.11957	3.18601	44 V
K17OA8T	18.9	0.15	K20CH	303.002	325.554	52.047	3.558	0.22403	2.32187	52 V
K17OA8U	17.8	0.15	K20CH	236.141	7.217	350.834	4.299	0.12774	2.73741	52 V
K17OA8V	18.0	0.15	K20CH	234.798	265.869	88.544	5.139	0.11670	2.77262	52 V
K17OA8X	18.6	0.15	K20CH	289.770	169.244	153.379	15.870	0.15157	2.60647	51 V
K17OA8Y	17.4	0.15	K20CH	149.766	193.673	135.099	3.867	0.27508	3.93857	51 V
K17OA8Z	17.7	0.15	K20CH	240.767	129.473	149.958	5.277	0.26655	3.13460	51 V
K17OA9A	17.2	0.15	K20CH	218.587	166.334	150.912	13.071	0.03880	3.12744	49 V
K17OA9B	19.3	0.15	K20CH	308.254	20.195	279.788	4.043	0.21138	2.55172	50 V
K17OA9C	19.5	0.15	K20CH	12.058	18.105	310.751	2.701	0.15258	2.16718	49 V
K17OA9D	18.8	0.15	K20CH	284.334	334.909	325.499	1.436	0.23635	2.69656	49 V
K17OA9E	18.0	0.15	K20CH	278.314	305.023	319.636	6.725	0.25794	2.89542	49 V
K17OA9F	18.6	0.15	K20CH	251.947	245.988	114.902	3.828	0.20162	2.65157	51 V
K17OA9G	18.1	0.15	K20CH	280.124	314.530	342.681	3.190	0.07760	2.77995	51 V
K17OA9H	18.0	0.15	K20CH	217.577	204.136	134.462	10.488	0.14918	3.00866	51 V
K17OA9J	18.7	0.15	K20CH	248.516	201.493	140.131	4.278	0.19727	2.75579	51 V
K17OA9K	19.2	0.15	K20CH	23.487	135.042	136.337	4.708	0.19741	2.28167	51 V
K17OA9L	17.4	0.15	K20CH	234.801	230.044	72.872	2.041	0.11714	3.10262	51 V
K17OA9M	18.7	0.15	K20CH	304.845	35.987	264.781	0.941	0.11228	2.58347	49 V
K17OA9N	18.6	0.15	K20CH	285.175	69.786	250.244	0.885	0.11671	2.61095	49 V
K17OA9O	18.5	0.15	K20CH	312.783	330.789	304.279	11.728	0.26655	2.64655	49 V
K17OA9P	18.2	0.15	K20CH	237.186	77.843	294.185	11.856	0.22499	2.76727	49 V
K17OA9Q	18.6	0.15	K20CH	279.344	98.635	226.695	6.520	0.12288	2.67291	48 V
K17OA9R	19.3	0.15	K20CH	347.631	91.581	209.840	7.658	0.21724	2.37534	49 V
K17OA9S	18.0	0.15	K20CH	191.080	131.069	267.360	8.438	0.22898	2.99471	60 V
K17OA9T	18.3	0.15	K20CH	291.478	31.459	285.552	11.300	0.17731	2.59684	51 V
K17OA9U	18.5	0.15	K20CH	300.096	80.700	235.298	6.294	0.21750	2.58494	57 V
K17OA9V	17.9	0.15	K20CH	246.964	131.741	229.848	4.656	0.11274	2.73164	26 V
K17P59Z	16.9	0.15	K20CH	230.564	196.973	133.572	11.459	0.16192	3.02142	53 V
K17P60A	17.3	0.15	K20CH	220.413	4.326	338.001	17.006	0.11731	3.08975	42 V
K17QA9X	19.0	0.15	K20CH	331.083	276.313	52.551	2.763	0.19839	2.36998	35 V
K17QA9Y	18.9	0.15	K20CH	278.472	307.038	4.763	16.024	0.36644	2.75641	57 V
K17QA9Z	19.6	0.15	K20CH	96.522	354.229	349.100	20.305	0.09386	1.90044	36 V
K17QB0A	17.3	0.15	K20CH	242.415	150.264	189.588	14.872	0.15286	2.87138	51 V
K17QB0B	19.2	0.15	K20CH	273.004	58.991	302.455	8.150	0.21229	2.57851	32 V

K17QB0C	18.3	0.15	K20CH	192.508	222.111	171.071	0.787	0.20214	3.06667	35	V
K17QB0D	19.3	0.15	K20CH	252.121	80.958	329.334	2.519	0.30928	2.58604	35	V
K17QB0E	18.0	0.15	K20CH	232.109	9.101	334.814	1.472	0.14133	3.01218	35	V
K17QB0F	18.6	0.15	K20CH	319.141	276.829	40.279	0.690	0.17395	2.53974	35	V
K17QB0G	16.4	0.15	K20CH	171.875	177.339	148.681	4.816	0.25304	3.92761	47	V
K17QB0H	18.8	0.15	K20CH	335.459	220.007	142.960	7.781	0.13292	2.31700	26	V
K17QB0J	18.5	0.15	K20CH	255.002	247.950	172.884	13.361	0.18263	2.53573	47	V
K17QB0K	17.2	0.15	K20CH	222.942	323.267	24.573	10.682	0.07483	3.11701	52	V
K17QB0L	19.0	0.15	K20CH	269.895	230.189	136.824	4.066	0.20465	2.62097	29	V
K17QB0M	17.9	0.15	K20CH	275.353	184.713	165.317	14.230	0.03509	2.70986	52	V
K17QB0N	18.7	0.15	K20CH	289.786	353.834	20.011	15.125	0.12738	2.47610	52	V
K17QB0O	17.6	0.15	K20CH	193.559	303.203	86.862	2.323	0.19545	3.16470	53	V
K17QB0P	18.6	0.15	K20CH	247.141	216.829	170.176	13.930	0.25710	2.66010	29	V
K17QB0Q	19.6	0.15	K20CH	339.526	182.626	171.303	5.462	0.28521	2.28160	43	V
K17QB0R	21.2	0.15	K20CH	34.021	150.301	170.101	4.842	0.27984	2.13503	40	V
K17QB0S	17.4	0.15	K20CH	194.327	150.039	223.898	6.826	0.15147	3.12247	43	V
K17QB0T	17.6	0.15	K20CH	198.415	183.515	189.464	9.593	0.11547	3.09351	40	V
K17QB0U	17.7	0.15	K20CH	269.825	96.194	211.711	9.472	0.00823	2.97068	39	V
K17QB0V	18.2	0.15	K20CH	260.113	98.663	269.263	10.163	0.22228	2.67682	53	V
K17QB0W	17.9	0.15	K20CH	245.345	87.162	297.428	11.983	0.23257	2.71578	44	V
K17RC9S	18.3	0.15	K20CH	282.223	42.249	326.862	14.715	0.15158	2.54401	40	V
K17RC9T	17.0	0.15	K20CH	173.082	172.199	228.993	9.128	0.11331	3.09750	33	V
K17SO4Q	19.4	0.15	K20CH	344.286	195.164	164.926	5.228	0.20450	2.33023	36	V
K17SO4R	19.2	0.15	K20CH	266.848	349.117	59.506	4.835	0.22220	2.59027	58	V
K17SO4S	19.2	0.15	K20CH	340.436	288.134	82.925	6.484	0.20514	2.25699	40	V
K17SO4T	19.4	0.15	K20CH	20.342	158.433	138.507	1.990	0.18991	2.30223	27	V
K17SO4U	18.5	0.15	K20CH	256.073	278.061	120.620	7.128	0.19908	2.65175	49	V
K17SO4V	19.5	0.15	K20CH	337.378	302.267	50.533	8.000	0.17126	2.31829	35	V
K17SO4W	17.3	0.15	K20CH	281.871	282.638	27.305	14.527	0.17163	2.83776	34	V
K17SO4X	18.2	0.15	K20CH	231.531	345.889	20.979	7.399	0.24936	2.97190	55	V
K17SO4Y	18.6	0.15	K20CH	284.818	161.290	197.146	7.307	0.21924	2.60264	35	V
K17SO4Z	18.9	0.15	K20CH	258.441	355.973	6.656	11.180	0.24336	2.77060	33	V
K17SO5A	17.7	0.15	K20CH	263.533	260.904	70.995	11.812	0.18167	2.99848	52	V
K17SO5B	16.8	0.15	K20CH	213.086	295.113	81.385	10.474	0.07819	3.20729	76	V
K17SO5C	18.3	0.15	K20CH	283.996	61.990	308.732	7.759	0.18056	2.57966	36	V
K17UD6O	17.7	0.15	K20CH	257.026	293.468	71.474	15.941	0.16360	2.85942	53	V
K17UD6P	18.5	0.15	K20CH	289.201	154.818	226.259	29.066	0.24555	2.61123	58	V
K17UD6Q	19.5	0.15	K20CH	70.164	188.989	223.469	20.687	0.07574	1.86833	45	V
K17UD6R	19.3	0.15	K20CH	14.865	251.526	225.731	21.117	0.07689	1.86044	51	V
K17UD6S	19.8	0.15	K20CH	260.912	307.563	108.134	7.173	0.33046	2.60191	44	V
K17UD6T	18.5	0.15	K20CH	297.299	217.420	144.566	10.228	0.17132	2.63094	44	V
K17UD6U	17.9	0.15	K20CH	244.843	266.294	137.438	7.819	0.07086	2.78831	44	V
K17UD6V	19.3	0.15	K20CH	313.083	236.777	165.260	6.751	0.15970	2.34816	44	V
K17UD6W	17.3	0.15	K20CH	186.963	3.763	61.772	27.807	0.10841	3.08578	44	V
K17UD6X	19.1	0.15	K20CH	259.516	201.865	231.768	28.669	0.21458	2.56508	44	V
K17UD6Y	19.5	0.15	K20CH	259.460	167.499	250.035	5.987	0.29766	2.62433	47	V
K17UD6Z	19.8	0.15	K20CH	252.751	35.372	54.787	5.769	0.29463	2.55821	47	V
K17UD7A	18.4	0.15	K20CH	295.145	347.378	13.783	13.864	0.30455	2.58967	50	V
K17W60C	17.4	0.15	K20CH	235.010	323.017	98.711	16.468	0.12556	2.84560	38	V
K17W60D	18.4	0.15	K20CH	256.610	242.985	147.365	9.644	0.24749	2.80711	36	V
K17W60E	19.0	0.15	K20CH	253.086	285.684	125.033	8.794	0.24102	2.73290	37	V
K17W60F	18.4	0.15	K20CH	230.106	275.531	171.412	8.455	0.17164	2.73029	36	V
K17W60G	18.1	0.15	K20CH	338.538	165.458	185.275	8.954	0.15163	2.51720	36	V
K17W60H	17.6	0.15	K20CH	227.135	127.280	245.761	25.582	0.25990	3.16890	33	V
K17X78E	17.9	0.15	K20CH	270.127	333.284	89.193	16.247	0.18600	2.67179	45	V
K17X78F	18.6	0.15	K20CH	235.566	241.191	288.677	30.852	0.36487	2.55558	27	V
K17Y39X	17.6	0.15	K20CH	215.057	332.747	131.538	17.050	0.08625	3.03824	50	V
K18A41L	18.2	0.15	K20CH	293.308	241.796	164.444	10.151	0.30025	2.70272	39	V
K18A41M	18.6	0.15	K20CH	315.848	298.848	164.232	6.259	0.06884	2.35772	54	V
K18A41N	17.2	0.15	K20CH	119.819	287.228	300.365	10.556	0.17574	3.12895	54	V
K18A41O	17.7	0.15	K20CH	175.572	99.870	86.446	12.845	0.24593	3.05642	86	V
K18A41P	17.7	0.15	K20CH	200.328	148.540	321.499	17.484	0.22541	3.17922	52	V
K18A41Q	17.8	0.15	K20CH	164.413	36.625	132.608	15.468	0.21804	3.17232	52	V
K18A41R	18.1	0.15	K20CH	246.784	346.385	134.490	10.530	0.16660	2.74556	50	V
K18A41S	18.8	0.15	K20CH	274.212	149.801	344.106	0.978	0.13212	2.46145	51	V
K18A41T	18.2	0.15	K20CH	216.116	63.178	115.175	3.243	0.13553	2.65304	62	V
K18A41U	18.7	0.15	K20CH	264.112	245.666	275.108	0.357	0.13073	2.40682	51	V
K18A41V	18.8	0.15	K20CH	257.558	329.815	155.101	4.259	0.17914	2.60208	51	V
K18A41W	18.1	0.15	K20CH	209.357	45.380	146.353	3.176	0.13101	2.60442	51	V
K18B24T	18.0	0.15	K20CH	212.728	257.040	301.201	11.977	0.20679	2.55804	38	V
K18B24U	17.9	0.15	K20CH	271.668	148.837	315.018	14.187	0.12015	2.61045	50	V
K18B24V	18.7	0.15	K20CH	236.905	118.649	22.049	12.155	0.23829	2.64558	49	V
K18C23J	17.1	0.15	K20CH	209.377	149.523	1.700	10.518	0.09928	3.01150	35	V
K18D08R	18.3	0.15	K20CH	251.945	100.846	72.557	4.618	0.12075	2.45341	27	V
K18E13G	18.0	0.15	K20CH	191.887	125.873	78.693	3.362	0.18901	2.79771	33	V
K18E13H	16.5	0.15	K20CH	114.991	239.688	349.739	13.579	0.01900	3.23270	34	V
K18F41V	16.9	0.15	K20CH	172.771	147.580	39.635	9.683	0.15533	3.14074	26	V
K18F41W	18.7	0.15	K20CH	202.065	86.803	157.466	4.143	0.19913	2.54085	27	V
K18F41X	18.3	0.15	K20CH	319.079	94.648	31.534	5.485	0.09337	2.37828	27	V
K18F41Y	17.2	0.15	K20CH	80.515	198.901	113.186	3.232	0.04729	2.87304	27	V
K18K11H	18.4	0.15	K20CH	245.267	137.332	57.436	13.889	0.19929	2.62262	29	V
K18K11J	19.0	0.15	K20CH	246.686	110.572	127.766	1.968	0.13734	2.41787	30	V
K18K11K	18.0	0.15	K20CH	138.221	210.107	77.823	20.383	0.19634	3.05433	28	V
K18K11L	17.5	0.15	K20CH	201.689	68.485	147.605	11.694	0.13523	2.97998	28	V
K18K11M	17.6	0.15	K20CH	171.963	143.103	90.068	18.026	0.17887	3.13993	28	V
K18L27G	17.1	0.15	K20CH	187.696	131.646	85.070	18.722	0.16255	3.11439	37	V
K18L27H	18.0	0.15	K20CH	226.396	146.972	80.175	14.998	0.13824	2.62147	36	V
K18L27J	17.2	0.15	K20CH	195.307	119.078	82.193	13.544	0.14118	3.13937	36	V
K18L27K	17.2	0.15	K20CH	47.831	180.663	215.664	5.521	0.02518	2.71835	36	V
K18L27L	18.6	0.15	K20CH	174.020	206.930	110.761	8.042	0.21620	2.56537	34	V
K18L27M	17.9	0.15	K20CH	177.529	41.109	249.276	11.872	0.17158	2.73035	28	V
K18L27N	18.9	0.15	K20CH	208.189	98.488	161.433	13.273	0.25687	2.66916	28	V
K18L27O	18.5	0.15	K20CH	232.602	141.946	141.023	7.596	0.22809	2.36843	28	V

K18M19Q	19.4	0.15	K20CH	236.135	294.767	30.355	5.072	0.21719	2.25578	28	V
K18M19R	18.1	0.15	K20CH	180.711	65.149	176.591	9.760	0.22526	3.04657	24	V
K18N31G	19.3	0.15	K20CH	269.641	64.065	314.089	18.716	0.10528	1.91418	36	V
K18N31H	18.4	0.15	K20CH	227.542	276.952	321.673	5.221	0.17443	2.90168	34	V
K18N31J	19.6	0.15	K20CH	245.917	221.473	96.434	10.883	0.25110	2.29630	36	V
K18N31K	18.9	0.15	K20CH	192.509	277.168	64.433	10.175	0.22491	2.58196	35	V
K18N31L	17.4	0.15	K20CH	137.607	83.289	268.096	14.778	0.23513	3.11343	32	V
K18N31M	18.2	0.15	K20CH	193.102	50.993	221.360	8.950	0.17505	3.02384	36	V
K18N31N	17.5	0.15	K20CH	137.011	135.076	206.260	4.220	0.12891	3.09332	31	V
K18N31O	17.9	0.15	K20CH	199.596	219.333	119.264	14.620	0.27473	2.59084	60	V
K18N31P	17.8	0.15	K20CH	199.954	239.440	99.015	8.580	0.23699	2.57528	33	V
K18N31Q	19.3	0.15	K20CH	230.575	312.100	10.833	0.894	0.19783	2.41508	57	V
K18N31R	19.4	0.15	K20CH	269.495	200.817	89.268	3.346	0.21346	2.29271	37	V
K18N31S	16.9	0.15	K20CH	163.495	256.458	83.438	10.726	0.07521	2.98961	33	V
K18N31T	17.7	0.15	K20CH	188.633	231.665	94.902	9.485	0.21310	2.76860	33	V
K18P58C	17.2	0.15	K20CH	179.607	333.599	328.064	4.158	0.13129	3.16206	37	V
K18P58D	19.3	0.15	K20CH	206.474	345.244	26.928	1.582	0.19854	2.36525	37	V
K18P58E	18.7	0.15	K20CH	177.119	111.542	271.402	11.915	0.27329	2.67320	88	V
K18Q15G	18.4	0.15	K20CH	178.877	200.057	156.842	16.677	0.37265	2.78435	26	V
K18Q15H	17.9	0.15	K20CH	166.823	182.229	171.883	17.210	0.29068	3.04874	77	V
K18T35L	17.5	0.15	K20CH	169.449	286.724	55.567	12.815	0.28291	3.02555	33	V
K18T35M	16.6	0.15	K20CH	186.344	266.325	58.545	16.271	0.08775	3.15294	33	V
K18T35N	16.5	0.15	K20CH	146.700	28.590	322.266	11.038	0.15945	3.43472	35	V
K18T35O	18.0	0.15	K20CH	145.238	115.256	288.715	5.009	0.23736	2.93332	34	V
K18T35P	17.1	0.15	K20CH	118.747	257.919	144.602	9.438	0.09675	3.15092	33	V
K18T35Q	18.4	0.15	K20CH	138.219	323.682	61.568	6.951	0.28637	3.13427	33	V
K18T35R	17.1	0.15	K20CH	94.414	46.916	33.662	16.913	0.22934	3.17439	33	V
K18T35S	19.5	0.15	K20CH	236.800	260.207	118.844	7.897	0.17457	2.23613	32	V
K18T35T	18.5	0.15	K20CH	221.323	273.142	62.061	10.054	0.22308	2.57419	28	V
K18T35U	17.4	0.15	K20CH	111.982	344.928	84.035	9.916	0.13697	3.09152	28	V
K18T35V	19.4	0.15	K20CH	218.458	328.337	61.441	4.620	0.25349	2.35373	31	V
K18T35W	18.7	0.15	K20CH	251.589	337.149	8.270	5.436	0.18343	2.31301	44	V
K18T35X	17.5	0.15	K20CH	184.656	275.100	48.661	10.296	0.20962	3.19437	37	V
K18T35Y	18.4	0.15	K20CH	170.641	204.789	226.367	5.395	0.11614	2.43457	32	V
K18T35Z	17.8	0.15	K20CH	138.389	246.164	159.393	1.048	0.15026	3.01754	39	V
K18T36A	18.5	0.15	K20CH	244.032	350.744	339.563	12.314	0.27873	2.38097	29	V
K18T36B	18.2	0.15	K20CH	189.783	101.596	262.762	11.207	0.19919	2.69845	30	V
K18U34G	18.4	0.15	K20CH	223.173	301.420	40.973	15.187	0.20005	2.57051	27	V
K18U34H	18.0	0.15	K20CH	219.092	125.614	211.697	6.562	0.23037	2.67592	25	V
K18U34J	17.0	0.15	K20CH	169.673	300.760	45.652	15.214	0.20706	3.18730	25	V
K18U34K	18.4	0.15	K20CH	170.665	100.837	311.817	5.517	0.17427	2.64749	27	V
K18U34L	16.8	0.15	K20CH	146.285	237.677	149.064	16.659	0.25879	3.10673	28	V
K18U34M	18.2	0.15	K20CH	184.393	214.171	180.639	12.846	0.17934	2.65307	77	V
K18U34N	19.4	0.15	K20CH	255.361	262.640	96.049	5.997	0.20731	2.23427	24	V
K18VE0D	19.1	0.15	K20CH	203.765	252.581	132.171	5.738	0.26653	2.55605	57	V
K18VE0E	18.0	0.15	K20CH	209.887	160.728	216.637	13.079	0.19914	2.58714	37	V
K18VE0F	18.4	0.15	K20CH	172.642	264.548	125.872	17.604	0.33868	2.77312	63	V
K18VE0G	18.3	0.15	K20CH	247.436	359.358	82.713	23.305	0.08861	1.92817	27	V
K18VE0H	18.0	0.15	K20CH	232.186	251.503	99.925	9.708	0.18502	2.58348	53	V
K18W08F	18.3	0.15	K20CH	127.684	13.285	53.224	4.415	0.24724	3.14467	27	V
K18X30H	18.0	0.15	K20CH	174.220	326.250	87.649	34.758	0.27103	2.67601	38	V
K18X30J	16.3	0.15	K20CH	125.272	163.518	277.331	26.763	0.16664	3.16837	32	V
K19A79H	19.3	0.15	K20CH	203.544	169.563	304.810	0.894	0.13711	2.34096	33	V
K19A79J	17.4	0.15	K20CH	150.866	325.142	147.396	29.830	0.17544	3.06815	49	V
K19A79K	18.4	0.15	K20CH	95.152	343.478	217.034	3.852	0.13985	2.68961	26	V
K19A79L	19.1	0.15	K20CH	170.645	207.502	281.776	4.547	0.25230	2.58347	52	V
K19F23Y	17.7	0.15	K20CH	184.775	281.363	185.296	9.676	0.13196	3.00117	39	V
K19F23Z	18.5	0.15	K20CH	139.981	15.274	186.677	11.655	0.12045	2.57699	39	V
K19F24A	18.2	0.15	K20CH	127.733	46.905	155.004	8.282	0.16234	2.73210	39	V
K19F24B	18.2	0.15	K20CH	155.933	35.560	139.355	4.355	0.08037	2.65470	39	V
K19F24C	18.5	0.15	K20CH	166.846	55.915	109.538	2.424	0.16992	2.58267	39	V
K19F24D	17.6	0.15	K20CH	175.460	6.010	130.307	3.445	0.20577	2.72678	39	V
K19G98W	17.1	0.15	K20CH	82.395	38.595	185.713	8.403	0.05770	3.08871	39	V
K19G98X	18.2	0.15	K20CH	183.325	117.886	33.716	12.458	0.12085	2.60149	38	V
K19G98Y	18.8	0.15	K20CH	132.628	138.327	104.478	3.235	0.08104	2.35552	35	V
K19G98Z	17.7	0.15	K20CH	99.931	155.199	65.396	10.041	0.11111	3.06379	35	V
K19G99A	18.6	0.15	K20CH	177.299	135.406	30.563	9.289	0.09969	2.58148	35	V
K19G99B	18.4	0.15	K20CH	126.322	143.082	75.938	2.931	0.09908	2.66898	35	V
K19G99C	19.2	0.15	K20CH	148.037	150.759	77.939	3.539	0.14684	2.36421	35	V
K19G99D	18.2	0.15	K20CH	150.688	122.317	56.557	4.188	0.12926	2.74280	35	V
K19G99E	17.2	0.15	K20CH	22.865	242.816	51.538	12.236	0.04717	3.15511	35	V
K19G99F	18.0	0.15	K20CH	150.426	340.342	195.330	13.780	0.13571	2.80338	35	V
K19G99G	19.5	0.15	K20CH	149.860	61.089	185.645	5.714	0.08000	2.18609	35	V
K19G99H	18.6	0.15	K20CH	182.558	353.275	157.004	2.558	0.13768	2.62456	35	V
K19G99J	19.2	0.15	K20CH	147.599	52.241	170.144	5.263	0.11836	2.35688	35	V
K19G99K	20.0	0.15	K20CH	171.000	184.005	29.580	1.737	0.17255	2.25525	35	V
K19G99L	19.3	0.15	K20CH	143.184	57.388	177.620	4.039	0.19626	2.37527	35	V
K19G99M	18.1	0.15	K20CH	101.259	189.388	85.194	15.254	0.23265	2.60682	66	V
K19G99N	18.7	0.15	K20CH	138.593	153.344	116.352	3.382	0.16810	2.32612	66	V
K19G99O	17.5	0.15	K20CH	59.692	134.846	118.309	2.511	0.14626	3.16699	34	V
K19G99P	19.1	0.15	K20CH	136.653	351.908	210.826	13.032	0.18583	2.69581	34	V
K19G99Q	17.6	0.15	K20CH	104.852	356.468	206.453	16.664	0.13283	3.20830	34	V
K19G99R	19.5	0.15	K20CH	124.500	61.352	214.044	5.942	0.23451	2.29516	35	V
K19G99S	17.1	0.15	K20CH	76.052	17.228	207.403	9.871	0.08417	3.43245	34	V
K19G99T	19.8	0.15	K20CH	128.661	43.869	209.668	6.507	0.28439	2.43465	35	V
K19G99U	17.3	0.15	K20CH	10.211	145.248	183.606	1.100	0.18020	2.98539	34	V
K19G99V	17.7	0.15	K20CH	258.931	241.576	196.900	3.765	0.07091	2.67436	34	V
K19G99W	17.7	0.15	K20CH	171.908	21.669	104.206	0.208	0.18027	3.03744	34	V
K19G99X	19.5	0.15	K20CH	168.695	29.910	190.355	3.831	0.06777	2.21500	34	V
K19G99Y	17.5	0.15	K20CH	48.446	56.311	221.812	8.287	0.16362	3.11876	28	V
K19G99Z	19.2	0.15	K20CH	193.201	187.668	356.182	3.312	0.08944	2.24415	35	V
K19GA0A	19.4	0.15	K20CH	177.586	210.317	336.342	0.696	0.13074	2.36197	35	V
K19GA0B	17.2	0.15	K20CH	322.576	142.578	205.734	9.921	0.04056	3.14483	35	V

K19GA0C	16.5	0.15	K20CH	250.221	197.740	207.347	9.893	0.08158	3.46483	34	V
K19GA0D	17.7	0.15	K20CH	85.876	89.282	157.353	2.458	0.01227	2.86199	34	V
K19GA0E	18.0	0.15	K20CH	84.205	30.344	208.467	9.991	0.16964	3.13518	34	V
K19GA0F	18.6	0.15	K20CH	167.003	328.359	190.291	4.184	0.21106	2.69755	34	V
K19GA0G	18.6	0.15	K20CH	119.488	7.777	213.179	2.953	0.13339	2.74479	34	V
K19GA0H	17.7	0.15	K20CH	96.928	8.827	202.813	7.919	0.10985	3.22960	34	V
K19GA0J	17.3	0.15	K20CH	81.745	32.192	199.976	10.293	0.09010	3.17287	34	V
K19GA0K	18.8	0.15	K20CH	110.278	240.261	34.453	2.079	0.17520	2.39127	34	V
K19GA0L	17.0	0.15	K20CH	218.453	248.180	197.010	9.824	0.03552	3.19981	34	V
K19GA0M	17.9	0.15	K20CH	57.063	245.664	36.842	3.555	0.04438	2.79367	34	V
K19GA0N	19.1	0.15	K20CH	232.813	92.734	58.642	8.132	0.02803	2.23114	34	V
K19GA0O	17.8	0.15	K20CH	76.973	161.379	84.689	8.039	0.10963	3.16851	34	V
K19GA0P	18.4	0.15	K20CH	118.015	131.149	74.441	8.200	0.19415	3.01160	34	V
K19GA0Q	18.2	0.15	K20CH	123.062	131.441	87.059	5.774	0.05647	2.77414	34	V
K19GA0R	18.9	0.15	K20CH	164.637	19.178	157.352	4.433	0.16888	2.61029	34	V
K19GA0S	19.8	0.15	K20CH	143.750	125.837	114.640	2.840	0.17622	2.35462	34	V
K19GA0T	17.4	0.15	K20CH	94.910	77.455	150.383	5.542	0.07333	3.07659	34	V
K19GA0U	17.8	0.15	K20CH	26.611	185.217	134.133	5.375	0.06402	2.75926	34	V
K19GA0V	18.1	0.15	K20CH	128.054	124.223	45.341	14.836	0.21490	3.21080	34	V
K19GA0W	16.9	0.15	K20CH	254.825	331.545	85.167	9.748	0.06100	3.18707	34	V
K19GA0X	17.4	0.15	K20CH	10.703	279.146	48.905	10.752	0.10539	2.97173	34	V
K19GA0Y	18.0	0.15	K20CH	202.634	74.938	44.612	12.512	0.14605	2.78872	34	V
K19GA0Z	18.2	0.15	K20CH	108.714	210.422	63.728	7.941	0.28065	2.75358	60	V
K19GA1A	18.2	0.15	K20CH	155.041	181.692	24.338	13.666	0.17211	2.55885	64	V
K19GA1B	18.2	0.15	K20CH	151.763	57.062	159.374	16.894	0.23725	2.61221	87	V
K19GA1C	18.1	0.15	K20CH	112.711	122.523	138.983	8.248	0.18206	2.63980	64	V
K19GA1D	16.8	0.15	K20CH	51.173	334.885	280.329	12.711	0.07200	3.11745	26	V
K19GA1E	18.2	0.15	K20CH	89.113	301.800	322.607	5.794	0.12839	2.67156	26	V
K19GA1F	18.8	0.15	K20CH	189.568	326.010	213.725	2.004	0.16797	2.39061	61	V
K19GA1G	16.7	0.15	K20CH	138.466	247.835	272.138	12.015	0.22573	3.21311	85	V
K19GA1H	18.2	0.15	K20CH	80.961	4.670	282.693	1.504	0.27375	2.66222	33	V
K19GA1J	18.2	0.15	K20CH	74.938	65.308	218.773	11.547	0.19006	2.61731	33	V
K19GA1K	18.5	0.15	K20CH	116.402	22.750	221.843	4.712	0.18788	2.54825	32	V
K19GA1L	19.1	0.15	K20CH	157.573	30.034	199.001	5.982	0.07042	2.25667	31	V
K19GA1M	17.4	0.15	K20CH	48.029	307.117	329.048	1.090	0.02747	2.90874	32	V
K19GA1N	17.4	0.15	K20CH	151.687	296.588	209.794	9.009	0.14066	3.18319	31	V
K19GA1O	17.9	0.15	K20CH	154.058	324.777	201.393	2.603	0.06827	2.93829	31	V
K19GA1P	17.7	0.15	K20CH	80.609	43.611	204.596	0.875	0.10561	3.01447	31	V
K19GA1Q	18.0	0.15	K20CH	106.057	19.441	196.650	7.411	0.13712	3.03941	31	V
K19GA1R	18.5	0.15	K20CH	146.994	336.064	217.688	4.191	0.08280	2.64446	32	V
K19GA1S	18.4	0.15	K20CH	169.321	131.172	33.431	3.021	0.13520	2.67182	31	V
K19GA1T	19.7	0.15	K20CH	148.957	118.345	130.867	4.527	0.18961	2.25765	30	V
K19GA1U	19.1	0.15	K20CH	126.665	142.642	91.498	2.904	0.14570	2.56124	30	V
K19GA1V	17.7	0.15	K20CH	203.051	338.151	155.504	6.401	0.02255	2.80053	30	V
K19GA1W	17.7	0.15	K20CH	23.651	264.869	55.168	6.536	0.07058	2.80907	30	V
K19GA1X	17.9	0.15	K20CH	130.520	160.859	43.913	3.911	0.02991	2.75389	30	V
K19GA1Y	17.9	0.15	K20CH	314.347	194.710	196.015	5.016	0.01081	2.64473	29	V
K19GA1Z	17.8	0.15	K20CH	250.351	316.599	136.210	3.369	0.04157	2.68895	29	V
K19GA2A	18.6	0.15	K20CH	171.827	73.484	92.161	3.283	0.13994	2.67579	29	V
K19GA2B	19.1	0.15	K20CH	186.392	105.095	71.588	3.831	0.11802	2.40870	30	V
K19GA2C	19.7	0.15	K20CH	136.794	58.706	189.249	2.167	0.17126	2.38836	55	V
K19H11F	19.1	0.15	K20CH	131.378	66.888	187.590	30.740	0.31697	2.55777	69	V
K19J94S	16.5	0.15	K20CH	46.859	87.002	180.315	2.612	0.13057	3.96398	37	V
K19J94T	20.2	0.15	K20CH	152.233	240.215	30.008	6.230	0.28668	2.22045	37	V
K19J94U	19.1	0.15	K20CH	110.570	47.920	222.015	12.153	0.25218	2.68591	37	V
K19J94V	17.4	0.15	K20CH	85.022	27.691	229.255	18.844	0.11650	3.17218	59	V
K19J94W	19.0	0.15	K20CH	147.695	350.053	227.145	13.111	0.17240	2.61970	37	V
K19J94X	18.8	0.15	K20CH	119.044	64.571	215.300	3.910	0.15015	2.42363	37	V
K19J94Y	17.1	0.15	K20CH	93.517	71.018	185.897	23.083	0.13700	3.20240	37	V
K19J94Z	17.4	0.15	K20CH	130.745	52.501	151.901	17.968	0.17515	3.17997	59	V
K19J95A	18.3	0.15	K20CH	188.026	304.880	214.486	5.069	0.25635	2.60264	37	V
K19J95B	18.0	0.15	K20CH	98.950	51.757	240.121	14.375	0.19336	2.61426	64	V
K19J95C	17.2	0.15	K20CH	152.913	297.492	234.179	19.392	0.22449	3.13042	59	V
K19J95D	18.7	0.15	K20CH	108.932	317.259	342.083	5.674	0.24409	2.37555	58	V
K19J95E	18.3	0.15	K20CH	129.320	151.608	98.084	4.887	0.16365	2.57908	58	V
K19J95F	19.7	0.15	K20CH	226.590	142.702	72.071	23.025	0.07724	1.94119	32	V
K19J95G	19.2	0.15	K20CH	112.326	122.974	163.484	13.271	0.27382	2.59193	54	V
K19J95H	18.3	0.15	K20CH	152.768	88.114	137.979	15.489	0.07213	2.57073	54	V
K19J95J	18.3	0.15	K20CH	93.068	151.930	149.131	13.220	0.21977	2.62573	53	V
K19J95K	18.0	0.15	K20CH	87.961	108.327	170.515	25.686	0.27113	3.16137	80	V
K19J95L	18.7	0.15	K20CH	133.952	63.153	182.572	13.418	0.22444	2.61605	53	V
K19J95M	16.8	0.15	K20CH	81.212	161.918	95.458	18.473	0.10494	3.19184	31	V
K19J95N	17.5	0.15	K20CH	87.380	146.507	107.318	13.752	0.10867	3.16707	31	V
K19J95O	18.6	0.15	K20CH	164.970	36.632	173.790	13.774	0.12742	2.57529	53	V
K19J95P	17.9	0.15	K20CH	59.800	147.629	162.289	13.545	0.15503	2.99983	53	V
K19J95Q	19.0	0.15	K20CH	137.151	172.057	91.067	12.590	0.16347	2.34932	30	V
K19J95R	19.3	0.15	K20CH	149.033	85.088	177.010	7.293	0.12475	2.20482	26	V
K19J95S	19.6	0.15	K20CH	122.034	166.285	125.131	7.306	0.22832	2.34792	30	V
K19J95T	17.5	0.15	K20CH	111.296	151.328	70.428	12.640	0.17026	3.14093	54	V
K19J95U	18.4	0.15	K20CH	115.179	212.401	67.160	6.200	0.12517	2.43306	51	V
K19J95V	18.2	0.15	K20CH	108.012	132.379	152.441	17.757	0.21656	2.57305	49	V
K19J95W	17.9	0.15	K20CH	69.892	117.857	186.048	17.722	0.27145	3.12024	48	V
K19J95X	18.7	0.15	K20CH	92.352	147.324	148.308	14.782	0.18061	2.71451	48	V
K19J95Y	18.6	0.15	K20CH	72.120	267.642	42.792	15.186	0.14503	2.52122	22	V
K19J95Z	17.3	0.15	K20CH	100.911	16.281	238.558	14.741	0.08860	3.04705	60	V
K19K42E	19.2	0.15	K20CH	154.211	144.852	100.964	10.159	0.13382	2.35243	34	V
K19K42F	17.3	0.15	K20CH	73.891	165.568	119.301	7.074	0.11984	3.03199	34	V
K19K42G	19.9	0.15	K20CH	92.754	43.034	235.850	30.469	0.45915	3.08788	34	V
K19K42H	18.4	0.15	K20CH	83.138	49.650	220.250	18.935	0.33211	3.28982	33	V
K19K42J	18.5	0.15	K20CH	95.723	109.159	192.818	14.488	0.14513	2.55044	33	V
K19K42K	18.8	0.15	K20CH	102.087	145.860	193.810	10.373	0.29654	2.33210	30	V
K19K42L	18.2	0.15	K20CH	143.715	69.529	240.217	21.911	0.23799	2.28796	71	V
K19K42M	18.3	0.15	K20CH	140.783	8.650	225.662	13.284	0.13645	2.66135	30	V

K19K42N	18.6	0.15	K20CH	117.498	134.858	143.983	5.998	0.04228	2.41481	30	V
K19K42O	19.2	0.15	K20CH	159.251	64.953	151.711	5.638	0.20058	2.56600	30	V
K19K42P	16.9	0.15	K20CH	184.909	58.777	99.041	12.075	0.06710	3.06720	30	V
K19K42Q	20.3	0.15	K20CH	141.535	125.647	155.333	3.688	0.22444	2.27433	30	V
K19K42R	19.2	0.15	K20CH	115.874	72.049	208.719	6.659	0.21564	2.54896	30	V
K19K42S	19.2	0.15	K20CH	159.759	110.315	212.873	20.819	0.12890	1.90696	57	V
K19K42T	18.4	0.15	K20CH	122.246	172.953	89.352	15.158	0.23133	2.59058	56	V
K19K42U	19.4	0.15	K20CH	125.784	98.541	203.763	6.959	0.19296	2.25855	29	V
K19K42V	14.2	0.15	K20CH	358.971	84.174	231.264	20.338	0.57422	11.31148	29	V
K19L25G	18.1	0.15	K20CH	180.755	40.316	132.184	7.346	0.21178	2.61789	28	V
K19L25H	19.1	0.15	K20CH	108.778	83.628	159.482	15.014	0.29073	3.03721	27	V
K19L25J	18.5	0.15	K20CH	85.702	100.807	171.341	13.624	0.28167	3.16679	27	V
K19L25K	17.2	0.15	K20CH	164.488	338.396	205.132	21.111	0.02740	3.22194	27	V
K19L25L	17.3	0.15	K20CH	78.668	105.810	163.789	15.693	0.07248	3.20104	27	V
K19L25M	19.1	0.15	K20CH	122.281	230.633	108.162	10.912	0.24885	2.29361	86	V
K19L25N	17.1	0.15	K20CH	209.682	297.337	203.027	9.092	0.01907	3.17705	28	V
K19L25O	17.2	0.15	K20CH	52.605	191.505	114.356	12.740	0.12757	3.18960	22	V
K19L25P	18.1	0.15	K20CH	123.604	151.345	159.118	15.663	0.16049	2.60979	75	V
K19L25Q	19.1	0.15	K20CH	119.111	260.501	96.757	7.075	0.30018	2.23196	99	V
K19L25R	17.6	0.15	K20CH	128.538	152.959	87.617	26.789	0.05703	2.68281	48	V
K19L25S	17.6	0.15	K20CH	79.810	166.356	112.939	17.810	0.21577	3.17953	47	V
K19L25T	19.1	0.15	K20CH	114.668	106.272	165.026	18.977	0.33132	2.76386	45	V
K19M21Z	17.5	0.15	K20CH	96.160	27.301	236.594	12.539	0.27019	3.12027	55	V
K19M22A	19.4	0.15	K20CH	128.637	286.048	43.434	1.800	0.20985	2.26684	53	V
K19M22B	19.3	0.15	K20CH	101.306	223.854	146.760	5.529	0.23331	2.30257	59	V
K19M22C	18.4	0.15	K20CH	120.719	309.733	359.552	6.570	0.14164	2.53291	56	V
K19M22D	18.2	0.15	K20CH	104.536	8.947	305.181	13.171	0.16110	2.67878	56	V
K19M22E	17.8	0.15	K20CH	137.468	281.921	307.459	13.409	0.26653	3.06024	56	V
K19M22F	18.6	0.15	K20CH	133.847	259.363	44.606	2.384	0.18838	2.37059	82	V
K19N66A	20.2	0.15	K20CH	164.678	194.157	94.860	5.567	0.18957	2.25194	54	V
K19N66B	17.8	0.15	K20CH	126.273	120.703	131.087	16.470	0.21322	3.17960	52	V
K19N66C	18.7	0.15	K20CH	166.344	6.810	266.649	4.848	0.18639	2.31402	27	V
K19N66D	19.9	0.15	K20CH	136.281	48.226	278.740	1.454	0.21744	2.24584	58	V
K19N66E	19.2	0.15	K20CH	132.777	261.332	82.097	6.646	0.26238	2.30036	110	V
K19N66F	17.2	0.15	K20CH	214.779	248.858	316.722	24.982	0.10574	2.68270	83	V
K19N66G	19.1	0.15	K20CH	99.173	224.363	132.063	14.930	0.36387	2.69756	51	V
K19O34Q	18.1	0.15	K20CH	79.509	222.337	136.932	14.376	0.19006	2.64632	62	V
K19O34R	18.2	0.15	K20CH	54.892	229.407	136.733	6.487	0.09439	2.84975	34	V
K19O34S	19.2	0.15	K20CH	97.205	30.820	322.458	4.481	0.33670	2.60304	54	V
K19O34T	19.3	0.15	K20CH	131.168	136.082	160.054	32.280	0.30888	2.56063	57	V
K19O34U	18.1	0.15	K20CH	45.804	55.157	319.944	8.039	0.10818	2.91275	32	V
K19O34V	15.9	0.15	K20CH	336.704	261.531	126.230	8.307	0.12433	5.16121	32	V
K19O34W	15.2	0.15	K20CH	231.220	160.847	319.867	7.445	0.04881	5.13924	32	V
K19O34X	18.1	0.15	K20CH	332.030	345.854	89.535	0.767	0.03502	3.01612	32	V
K19O34Y	17.7	0.15	K20CH	83.285	358.822	315.498	8.751	0.07782	3.19548	32	V
K19O34Z	18.4	0.15	K20CH	81.679	16.095	331.530	1.497	0.14538	2.73346	32	V
K19O35A	18.5	0.15	K20CH	74.120	31.247	318.913	6.489	0.21016	3.08434	32	V
K19O35B	19.9	0.15	K20CH	123.779	181.855	148.160	11.756	0.23698	2.35083	31	V
K19P61Q	19.7	0.15	K20CH	154.723	268.039	55.845	8.590	0.29461	2.18465	62	V
K19P61R	19.7	0.15	K20CH	114.435	51.160	322.936	2.851	0.21882	2.26473	53	V
K19P61S	19.2	0.15	K20CH	122.456	219.157	105.331	4.825	0.26580	2.63657	45	V
K19P61T	19.4	0.15	K20CH	178.938	330.910	324.670	5.834	0.18920	2.18019	50	V
K19P61U	20.4	0.15	K20CH	98.542	26.306	333.358	9.266	0.40180	2.67845	52	V
K19P61V	20.0	0.15	K20CH	126.457	319.321	42.409	3.819	0.30321	2.27867	46	V
K19Q70F	20.6	0.15	K20CH	119.129	92.526	216.095	6.782	0.45787	2.67304	34	V
K19Q70G	19.8	0.15	K20CH	81.756	248.168	141.155	3.863	0.20150	2.59525	27	V
K19Q70H	20.8	0.15	K20CH	170.991	296.028	348.093	1.924	0.24186	2.31483	30	V
K19Q70J	18.8	0.15	K20CH	89.163	43.071	307.940	14.777	0.41059	3.02270	95	V
K19R70V	17.1	0.15	K20CH	140.708	287.736	346.986	10.228	0.09282	3.20495	25	V
K19R70W	18.1	0.15	K20CH	154.848	95.873	189.177	2.931	0.08331	2.72653	22	V
K19R70X	19.9	0.15	K20CH	127.311	186.301	160.842	11.510	0.36425	2.42030	49	V
K19SH5N	18.8	0.15	K20CH	63.071	301.912	137.828	7.202	0.29536	2.77802	61	V
K19SH5O	18.6	0.15	K20CH	56.787	30.254	36.125	16.244	0.30362	2.88818	63	V
K19SH5P	17.0	0.15	K20CH	71.342	280.829	115.007	11.628	0.13149	3.14820	36	V
K19SH5Q	19.7	0.15	K20CH	96.612	13.430	34.773	4.979	0.18621	2.59847	61	V
K19T75A	17.1	0.15	K20CH	72.121	319.812	70.341	12.907	0.03868	2.90832	56	V
K19T75B	18.6	0.15	K20CH	79.165	256.644	180.288	6.887	0.18851	2.61144	80	V
K19UB7H	17.3	0.15	K20CH	120.807	219.152	128.693	12.990	0.26140	3.08428	60	V
K19UB7J	17.8	0.15	K20CH	48.807	333.565	90.725	3.183	0.16511	3.09865	34	V
K19UB7K	17.6	0.15	K20CH	107.238	320.749	80.295	22.745	0.01070	2.62264	53	V
K19UB7L	19.5	0.15	K20CH	103.758	40.875	52.436	24.377	0.06110	1.82570	35	V
K19V30P	18.1	0.15	K20CH	119.496	318.787	70.328	16.046	0.14070	2.61540	47	V
K19Y38A	17.8	0.15	K20CH	94.179	222.124	237.356	8.044	0.09060	2.96611	27	V
K19Y38B	17.9	0.15	K20CH	90.639	84.424	347.435	5.594	0.20597	3.09748	24	V
K19Y38C	18.8	0.15	K20CH	70.853	82.992	35.108	5.269	0.11914	2.79469	24	V
K20A22A	21.0	0.15	K20CH	159.687	140.548	313.410	22.090	0.09570	1.75684	30	V
K20B80G	17.6	0.15	K20CH	81.618	93.639	8.012	9.860	0.19766	3.14277	28	V
K20HB4C	19.1	0.15	K20CH	10.952	230.847	55.867	4.086	0.03645	2.12558	24	V
K20J31K	18.8	0.15	K20CH	29.372	265.073	10.839	4.945	0.25261	2.54464	38	V
K20J31L	21.3	0.15	K20CH	39.022	291.017	354.376	4.709	0.48394	2.36872	27	V
K20K35G	18.9	0.15	K20CH	53.748	44.114	244.954	5.783	0.13990	2.27357	73	V
K20L12Q	17.4	0.15	K20CH	338.321	201.811	129.310	11.933	0.15929	3.01113	7	V
K20L12R	19.8	0.15	K20CH	54.237	125.597	127.298	5.680	0.20560	2.36692	7	V
K20L12S	17.4	0.15	K20CH	359.611	88.457	210.105	8.811	0.10886	3.00841	7	V
K20L12T	18.1	0.15	K20CH	71.560	100.288	123.775	6.449	0.09609	2.62232	7	V
K20L12U	18.5	0.15	K20CH	15.964	241.453	82.565	13.972	0.21333	2.57549	54	V
K20M38S	17.0	0.15	K20CH	347.737	51.987	317.115	14.923	0.29403	3.13021	63	V
K20M38T	18.7	0.15	K20CH	65.923	230.053	38.166	9.793	0.18497	2.34523	54	V
K20M38U	18.2	0.15	K20CH	23.403	264.352	52.204	6.034	0.24991	2.52631	47	V
K20M38V	19.1	0.15	K20CH	32.195	339.614	322.436	13.290	0.25046	2.63074	55	V
K20M38W	18.8	0.15	K20CH	15.148	40.524	298.612	13.259	0.28819	3.17213	67	V
K20M38X	16.8	0.15	K20CH	261.966	176.452	280.068	10.421	0.11330	3.19223	44	V
K20N06M	18.4	0.15	K20CH	35.257	205.575	93.730	2.786	0.19391	2.69178	39	V

K20096K	19.0	0.15	K20CH	38.033	70.507	265.294	19.122	0.05958	1.86416	10	V
K20096L	17.4	0.15	K20CH	341.502	328.395	65.482	11.679	0.20524	2.99070	8	V
K20096M	18.6	0.15	K20CH	27.383	203.871	134.069	10.416	0.27532	2.74064	63	V
K20096N	19.4	0.15	K20CH	55.207	264.753	34.898	7.659	0.24491	2.21168	91	V
K20096O	19.6	0.15	K20CH	21.478	242.672	90.308	6.361	0.24140	2.56043	28	V
K20096P	18.9	0.15	K20CH	0.654	328.927	35.699	1.955	0.20621	2.36019	51	V
K20096Q	17.9	0.15	K20CH	4.328	234.932	114.449	15.733	0.23914	3.04828	54	V
K20096R	18.8	0.15	K20CH	55.445	202.070	82.567	3.004	0.16254	2.59683	29	V
K20096S	17.4	0.15	K20CH	350.766	84.440	286.430	15.500	0.09518	3.03438	50	V
K20096T	18.5	0.15	K20CH	60.669	252.249	39.094	5.993	0.12537	2.38254	58	V
K20096U	19.4	0.15	K20CH	73.581	95.241	175.485	1.167	0.15627	2.31148	30	V
K20096V	19.1	0.15	K20CH	12.785	290.174	65.880	4.903	0.23797	2.30785	50	V
K20096W	17.8	0.15	K20CH	31.648	159.290	158.208	19.104	0.21127	3.18597	52	V
K20096X	20.1	0.15	K20CH	19.398	164.766	187.703	5.154	0.19294	2.19876	46	V
K20096Y	18.6	0.15	K20CH	347.492	266.915	122.160	17.128	0.16802	2.55470	43	V
K20P69G	19.5	0.15	K20CH	24.088	36.652	303.477	5.159	0.18582	2.33535	7	V
K20P69H	20.8	0.15	K20CH	36.171	163.233	163.262	3.306	0.22171	2.20384	8	V
K20P69J	19.1	0.15	K20CH	109.184	156.844	92.718	5.323	0.10096	2.20439	9	V
K20P69K	19.4	0.15	K20CH	20.535	121.524	230.313	1.651	0.20534	2.39953	8	V
K20P69L	19.1	0.15	K20CH	21.408	78.656	265.969	0.975	0.22571	2.69325	8	V
K20P69M	19.6	0.15	K20CH	18.327	185.343	161.398	3.581	0.19392	2.39294	6	V
K20P69N	17.5	0.15	K20CH	9.632	88.406	261.098	1.017	0.08280	2.86646	7	V
K20P69O	17.8	0.15	K20CH	0.899	300.990	64.249	5.130	0.14496	2.94548	9	V
K20P69P	19.6	0.15	K20CH	20.427	224.569	141.491	23.923	0.10550	1.86375	4	V
K20P69Q	19.9	0.15	K20CH	41.346	299.143	13.091	1.548	0.19785	2.38001	6	V
K20P69R	17.5	0.15	K20CH	346.837	182.484	197.096	3.443	0.21328	3.10748	6	V
K20P69T	17.9	0.15	K20CH	90.816	201.692	46.530	5.280	0.06490	2.70654	34	V
K20P69U	17.2	0.15	K20CH	346.479	208.802	153.921	9.788	0.08199	3.16310	32	V
K20P69V	19.8	0.15	K20CH	33.381	106.664	221.196	1.585	0.21779	2.44376	30	V
K20P69W	17.3	0.15	K20CH	341.118	112.004	273.039	5.990	0.16986	3.14677	30	V
K20P69X	17.6	0.15	K20CH	353.566	219.873	155.165	17.380	0.20046	3.10742	64	V
K20P69Y	19.2	0.15	K20CH	16.179	241.509	114.369	6.237	0.24719	2.52381	35	V
K20P69Z	15.1	0.15	K20CH	313.857	346.711	59.267	9.791	0.06956	5.21632	31	V
K20P70A	19.7	0.15	K20CH	30.300	234.493	101.192	5.528	0.18517	2.41200	35	V
K20P70B	17.5	0.15	K20CH	288.900	331.805	102.073	7.299	0.02778	3.00349	35	V
K20P70C	17.9	0.15	K20CH	359.329	347.912	28.753	6.541	0.19093	3.06322	58	V
K20P70D	17.7	0.15	K20CH	37.167	191.931	123.887	10.463	0.12166	3.14167	35	V
K20P70E	18.1	0.15	K20CH	85.059	152.271	113.828	0.883	0.06710	2.57908	34	V
K20P70F	18.1	0.15	K20CH	341.878	17.563	0.687	4.700	0.09065	2.79472	31	V
K20P70G	18.0	0.15	K20CH	55.520	211.544	79.585	4.603	0.17646	2.73238	35	V
K20P70H	16.4	0.15	K20CH	42.385	154.449	159.654	10.135	0.05270	3.44063	31	V
K20P70J	14.9	0.15	K20CH	302.869	290.485	126.453	4.553	0.01565	5.25995	31	V
K20Q80M	18.1	0.15	K20CH	317.613	111.231	306.967	7.614	0.15317	2.74217	5	V
K20Q80O	14.7	0.15	K20CH	30.175	10.646	316.917	6.508	0.02784	5.20135	31	V
K20Q80P	17.1	0.15	K20CH	355.371	107.786	287.282	24.139	0.20628	3.19178	113	V
K20Q80Q	18.1	0.15	K20CH	327.138	291.760	143.508	8.412	0.29346	2.71203	57	V
K20Q80R	18.6	0.15	K20CH	10.257	95.430	293.093	10.657	0.28117	2.71630	53	V
K20Q80S	18.9	0.15	K20CH	48.890	241.359	79.311	9.911	0.21112	2.21277	44	V
K20RB3F	18.2	0.15	K20CH	38.393	299.660	30.218	4.583	0.07759	2.77373	31	V
K20RB3G	17.8	0.15	K20CH	48.716	193.909	124.083	3.005	0.06436	2.88039	31	V
K20RB3H	17.0	0.15	K20CH	263.496	94.800	27.443	10.693	0.11921	3.23124	32	V
K20RB3J	17.5	0.15	K20CH	328.558	252.582	156.396	11.271	0.09043	3.01808	27	V
K20RB3K	17.5	0.15	K20CH	283.275	278.041	187.099	14.635	0.10897	3.01774	32	V
K20RB3L	17.4	0.15	K20CH	70.298	277.213	20.784	6.321	0.12808	3.22148	60	V
K20RB3M	18.6	0.15	K20CH	347.094	22.197	31.236	12.625	0.16863	2.68395	60	V
K20RB3N	20.4	0.15	K20CH	29.633	328.533	27.685	3.803	0.18946	2.29104	59	V
K20RB3O	18.8	0.15	K20CH	8.896	61.164	332.713	9.742	0.26308	2.74309	58	V
K20RB3P	19.0	0.15	K20CH	356.212	204.789	184.001	16.818	0.12970	2.58191	32	V
K20RB3Q	17.9	0.15	K20CH	9.954	359.742	13.595	15.650	0.26038	3.18138	33	V
K20S43M	17.2	0.15	K20CH	12.900	329.361	56.375	17.350	0.18140	3.12701	81	V
K20S44A	17.0	0.15	K20CH	336.874	75.422	354.151	26.499	0.23193	3.18059	55	V
K20S45M	19.0	0.15	K20CH	66.487	321.612	20.828	20.424	0.08611	1.96834	83	V
K20S45V	17.8	0.15	K20CH	42.187	355.941	354.276	12.373	0.16220	2.71988	55	V
K20S46B	19.7	0.15	K20CH	49.216	39.633	302.863	4.059	0.22013	2.13937	55	V
K20S46Q	19.6	0.15	K20CH	45.275	39.650	315.007	4.206	0.15641	2.13472	55	V
K20S47E	19.1	0.15	K20CH	8.870	42.001	357.666	4.628	0.23407	2.63714	55	V
K20S47K	19.3	0.15	K20CH	25.219	65.523	308.188	4.517	0.26875	2.62803	85	V
K20S47L	18.7	0.15	K20CH	27.672	79.962	290.337	4.419	0.21714	2.61131	55	V
K20S48H	17.9	0.15	K20CH	348.484	56.820	354.688	12.143	0.16744	2.68864	89	V
K20S48Y	19.4	0.15	K20CH	29.069	111.264	244.473	18.790	0.13840	1.85462	116	V
K20S49C	17.9	0.15	K20CH	51.681	68.577	251.600	16.377	0.21805	2.73791	54	V
K20S49F	18.8	0.15	K20CH	34.437	23.991	334.442	13.218	0.26907	2.55460	82	V
K20S49J	19.1	0.15	K20CH	13.380	78.155	313.189	11.433	0.28111	2.63575	82	V
K20S53M	18.4	0.15	K20CH	12.833	29.833	353.585	7.841	0.21785	2.73526	81	V
K20S53Z	18.7	0.15	K20CH	24.759	324.015	43.799	4.496	0.29673	2.61864	82	V
K20S55J	19.6	0.15	K20CH	353.139	226.117	200.121	6.168	0.26072	2.36404	71	V
K20S56H	18.8	0.15	K20CH	348.368	209.167	215.860	24.108	0.18941	2.34229	70	V
K20S81T	18.7	0.15	K20CH	5.955	226.118	166.044	3.830	0.20078	2.73125	30	V
K20S81U	17.4	0.15	K20CH	347.517	167.898	233.295	16.473	0.19203	3.24345	53	V
K20S81V	18.9	0.15	K20CH	13.474	246.868	148.550	14.036	0.28515	2.64431	51	V
K20S81W	19.2	0.15	K20CH	7.051	225.325	153.520	4.147	0.22053	2.63970	27	V
K20W05C	20.1	0.15	K20CH	325.787	58.939	94.512	34.936	0.21502	1.42407	186	X
K20Y21J	17.6	0.15	K20CH	354.051	57.964	88.593	28.324	0.24958	2.78991	154	X
K21B11S	18.8	0.15	K20CH	341.527	29.285	142.967	26.880	0.27472	2.16766	127	X
K21C03D	19.8	0.15	K20CH	311.086	80.524	150.519	7.939	0.52983	2.40825	134	X
K21E05C	18.3	0.15	K20CH	313.032	9.639	242.021	16.693	0.49209	2.24478	77	X
K21E30G	18.5	0.15	K20CH	305.938	59.785	187.405	13.406	0.14137	2.59414	76	X
K21F02Q	15.8	0.15	K20CH	350.041	121.489	195.010	54.900	0.79240	10.80751	73	X
K21F03X	22.5	0.15	K20CH	301.807	71.832	181.289	9.992	0.48817	2.01081	68	X
K21F22C	18.3	0.15	K20CH	308.800	68.273	207.690	29.346	0.34610	2.59347	71	X
K21F25U	18.0	0.15	K20CH	323.224	138.494	84.610	14.335	0.20892	2.64289	71	X
K21F38J	18.2	0.15	K20CH	295.638	296.422	332.572	1.586	0.19486	2.34318	59	V
K21G00Y	22.0	0.15	K20CH	296.291	111.224	147.394	7.647	0.49806	1.97344	73	X

K21G08Y	22.8	0.15	K20CH	306.417	172.041	59.060	2.810	0.36743	1.97538	57	X
K21G31U	18.7	0.15	K20CH	309.313	60.629	190.560	13.269	0.22534	2.63474	54	X
K21G47E	19.1	0.15	K20CH	298.626	101.117	165.926	12.622	0.24248	2.62639	54	X
K21G68B	17.5	0.15	K20CH	352.843	357.991	204.890	27.783	0.13431	3.18848	51	X
K21G72P	19.5	0.15	K20CH	279.945	272.444	45.463	33.906	0.47503	2.21205	47	X
K21G79T	18.6	0.15	K20CH	317.834	81.311	158.159	13.207	0.13775	2.64431	46	X
K21G89K	17.8	0.15	K20CH	258.431	218.804	98.827	18.578	0.22422	2.63891	46	X
K21G91C	17.7	0.15	K20CH	343.054	37.904	183.871	15.501	0.12865	3.05236	39	V
K21G91D	18.0	0.15	K20CH	38.892	301.840	195.919	2.542	0.16145	3.08980	37	V
K21G91E	18.3	0.15	K20CH	263.571	245.034	65.540	3.498	0.21300	2.67507	37	V
K21G91F	17.0	0.15	K20CH	299.692	230.406	42.905	8.051	0.16730	3.22632	39	V
K21G91G	19.1	0.15	K20CH	321.965	170.136	57.965	4.230	0.13724	2.59207	37	V
K21H00E	23.2	0.15	K20CH	265.885	49.083	212.912	17.839	0.32658	1.51574	44	X
K21H00S	19.1	0.15	K20CH	333.345	46.074	262.401	12.171	0.81012	4.19533	50	X
K21H01V	19.9	0.15	K20CH	340.556	42.481	48.832	21.085	0.88977	2.54217	43	X
K21H02V	24.2	0.15	K20CH	275.039	15.363	221.148	8.861	0.27159	1.46896	40	X
K21H03Q	22.3	0.15	K20CH	301.013	144.602	135.688	7.323	0.54516	2.18458	41	X
K21H03Y	18.1	0.15	K20CH	283.548	166.736	107.243	15.933	0.07774	2.58756	41	X
K21H10Y	17.1	0.15	K20CH	16.640	81.312	83.393	26.001	0.18289	3.14593	44	X
K21H11K	18.2	0.15	K20CH	219.244	144.539	200.979	2.794	0.13806	2.69824	31	V
K21H11L	18.4	0.15	K20CH	150.370	193.129	201.945	2.743	0.06004	2.41366	31	V
K21H11M	17.8	0.15	K20CH	253.013	275.200	46.359	16.061	0.22093	2.54163	31	V
K21J01G	24.7	0.15	K20CH	195.419	249.120	72.630	2.505	0.30942	1.20069	24	X
K21J01X	22.6	0.15	K20CH	312.257	192.988	73.140	17.734	0.55513	2.40984	26	X
K21J02V	25.2	0.15	K20CH	327.985	273.218	202.225	5.607	0.13095	1.05375	23	X
K21J03L	23.0	0.15	K20CH	328.054	312.370	216.339	3.177	0.56401	2.13897	22	X
K21J05O	24.3	0.15	K20CH	314.967	332.120	231.503	6.835	0.48175	1.94416	19	X
K21J05Q	22.7	0.15	K20CH	258.793	99.527	224.597	15.308	0.51195	1.67646	19	X
K21J05T	20.7	0.15	K20CH	308.061	207.874	102.481	14.437	0.60412	2.63466	20	X
K21J05U	21.0	0.15	K20CH	291.138	227.001	111.685	17.856	0.71398	2.15669	25	X
K21J06C	25.2	0.15	K20CH	309.488	40.337	213.253	4.230	0.52974	2.21871	45	X
K21J06G	24.0	0.15	K20CH	75.672	321.250	65.204	1.573	0.15242	1.03500	18	X
K21J06H	23.2	0.15	K20CH	251.333	48.088	227.976	20.689	0.16719	1.51614	18	X
K21J06M	24.8	0.15	K20CH	266.530	207.160	89.426	1.886	0.44160	1.68067	22	X
K21J06W	26.2	0.15	K20CH	282.808	186.868	66.775	3.408	0.38063	1.66995	18	X
K21J07O	24.1	0.15	K20CH	267.740	36.821	226.114	13.574	0.25565	1.56084	17	X
K21J07R	25.3	0.15	K20CH	255.504	329.537	234.538	8.896	0.07243	1.08538	16	X
K21J08R	22.8	0.15	K20CH	289.963	344.626	245.460	10.337	0.34389	1.65576	16	X
K21J17Q	18.7	0.15	K20CH	1.862	67.201	94.678	30.515	0.25635	2.55260	24	V
K21J17R	17.8	0.15	K20CH	120.868	17.544	49.690	11.769	0.09355	2.99858	13	V
K21J17S	18.3	0.15	K20CH	263.380	221.201	85.771	2.261	0.12696	3.14715	12	V
K21K00F	23.3	0.15	K20CH	294.592	86.146	181.510	7.299	0.44389	1.95237	54	X
K21K00S	26.4	0.15	K20CH	288.880	23.983	237.316	2.653	0.42183	1.80502	27	X
K21K01J	24.0	0.15	K20CH	300.944	303.600	116.043	6.749	0.52532	0.73736	12	X
K21K01M	26.1	0.15	K20CH	188.129	247.943	72.271	6.193	0.26653	1.17560	11	X
K21K01N	24.5	0.15	K20CH	301.263	219.697	79.786	6.532	0.60559	2.26005	22	X
K21K01O	25.3	0.15	K20CH	283.970	224.144	64.161	17.797	0.49400	1.86036	9	X
K21K01P	25.4	0.15	K20CH	318.149	266.285	231.496	5.440	0.09686	1.09635	11	X
K21K01T	21.3	0.15	K20CH	313.540	154.204	69.698	28.635	0.52287	2.11815	37	X
K21K02H	25.2	0.15	K20CH	136.815	75.480	241.115	12.328	0.01549	1.02156	9	X

New observations:

K03G21H	DC2021	05	30.24632	11	53	13.30	+19	48	59.1	23.1	RoEK098695
K03G21H	DC2021	05	30.25425	11	53	14.87	+19	48	58.0	22.2	RoEK098695
K03G21H	DC2021	05	30.26220	11	53	16.48	+19	48	56.9	23.3	RoEK098695
K03G22Q	C2021	05	13.61056222	40	55	298+26	43	00.93		23.28	GVEK098T12
K03G22Q	KC2021	05	13.61370522	40	56	241+26	43	08.08		23.67	GVEK098T12
K03J17C	KC2021	05	29.96150	16	27	33.73	-07	29	52.6	20.2	GVEK098K87
K03J17C	KC2021	05	29.96883	16	27	32.69	-07	29	59.8	19.9	GVEK098K87
K03J17C	KC2021	05	29.97615	16	27	31.70	-07	30	05.8	20.3	GVEK098K87
K03Y17P	C2021	05	29.93513	14	00	00.48	+08	25	37.0	18.4	GVEK098K74
K03Y17P	KC2021	05	29.93667	14	00	00.72	+08	25	33.2	18.4	GVEK098K74
K03Y17P	KC2021	05	29.93937	14	00	01.16	+08	25	26.9	18.1	GVEK098K74
K03Y17P	KC2021	05	29.94400	14	00	01.93	+08	25	15.8	18.3	GVEK098K74
K03Y17P	C2021	05	29.94515	14	00	02.11	+08	25	13.2	18.5	GVEK098K74
K06M01W	C2021	05	29.46405715	47	45	48	+31	56	19.0	18.82	oVEK098T05
K06M01W	C2021	05	29.46916215	47	45	35	+31	56	09.5	19.03	oVEK098T05
K06M01W	C2021	05	29.47352815	47	45	24	+31	56	00.2	18.99	oVEK098T05
K06M01W	C2021	05	29.48410615	47	44	97	+31	55	39.8	19.01	oVEK098T05
K06M01W	C2021	05	30.32451015	47	37	23	+31	27	52.1	19.44	GVEK098703
K06M01W	C2021	05	30.32977215	47	37	08	+31	27	42.9	19.32	GVEK098703
K06M01W	C2021	05	30.33503315	47	37	09	+31	27	31.4		VEK098703
K11L19A	C2021	05	30.28347613	54	29	10	+27	38	15.1	20.27	GVEK098703
K11L19A	C2021	05	30.29408413	54	27	94	+27	38	03.0	20.09	GVEK098703
K11L19A	C2021	05	30.29938713	54	27	33	+27	37	59.2	19.75	GVEK098703
K12M06S	C2021	05	30.26706614	11	44	240+07	07	37.20		20.88	wUEK098F51
K12M06S	C2021	05	30.27890614	11	43	538+07	07	34.12		20.77	wUEK098F51
K12M06S	C2021	05	30.29071914	11	42	837+07	07	30.88		20.96	wUEK098F51
K12M06S	C2021	05	30.30259714	11	42	120+07	07	27.61		21.00	wUEK098F51
K12UD6S	C2021	05	30.14746108	57	34	62	+35	46	01.1	19.22	GVEK098703
K12UD6S	C2021	05	30.14819808	57	34	60	+35	46	00.0	19.34	GVEK098G96
K12UD6S	C2021	05	30.15283708	57	34	76	+35	45	52.8	19.25	GVEK098G96
K12UD6S	C2021	05	30.15310708	57	34	77	+35	45	51.3	19.94	GVEK098703
K12UD6S	C2021	05	30.15774608	57	34	91	+35	45	45.1	19.32	GVEK098G96
K12UD6S	C2021	05	30.15875508	57	34	90	+35	45	43.3	19.30	GVEK098703
K12UD6S	C2021	05	30.16206408	57	35	04	+35	45	38.6	19.36	GVEK098G96
K12UD6S	C2021	05	30.16440208	57	35	19	+35	45	35.1	19.32	GVEK098703
K14P59T	C2021	05	30.26448813	58	51	334+07	05	33.79		22.14	wUEK098F51
K14P59T	C2021	05	30.27632813	58	50	720+07	05	34.25		22.16	wUEK098F51
K14P59T	C2021	05	30.28814513	58	50	087+07	05	34.91		22.10	wUEK098F51
K14P59T	C2021	05	30.30002213	58	49	478+07	05	35.37		22.06	wUEK098F51
K15A45S	KC2021	05	29.98197	16	51	53.34	+29	11	51.7	19.4	GVEK098K87
K15A45S	KC2021	05	29.98490	16	51	53.18	+29	11	47.8	19.3	GVEK098K87

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19.0 GVEK098K87
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K21K01N	C2021	05	29.38636616	03	03.64	+20	35	20.5	18.77oVEK098T05		
K21K01N	C2021	05	29.41595516	03	18.61	+20	42	13.6	19.09oVEK098T05		
K21K01N	KC2021	05	29.92933	16	09	06.15	+22	51	17.2	19.2	GVEK098K87
K21K01N	KC2021	05	29.93727	16	09	11.57	+22	53	31.2	19.0	GVEK098K87
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K21K01N	KC2021	05	29.95314	16	09	22.44	+22	57	59.7	19.8	GVEK098K87
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K21K01N	C2021	05	30.35533116	14	53.78	+25	02	00.4	18.56GVEK098703		
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K21K01T	KC2021	05	29.86925713	29	57.54	+31	20	06.5	17.5	rZEK098L34	
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K21K01T	KC2021	05	29.89030	13	29	53.58	+31	08	00.0	17.2	GVEK098K74
K21K01T	KC2021	05	29.89746313	29	53.46	+31	04	02.8	17.5	GVEK098J69	
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K21K01T	KC2021	05	29.91699313	29	46.21	+30	53	41.7		ZEK098L34	
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K21K01T	C2021	05	30.26411713	28	43.44	+27	35	32.7	17.13GVEK098703		
K21K01T	mC2021	05	30.26898313	28	42.30	+27	32	39.5	16.95GVEK098I52		
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K21K02H	KC2021	05	30.00167915	53	58.01	+66	26	40.0	20.0	GVEK098J95	
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00887	C2021	05	29.28687410	18	35.66	+21	38	36.6	16.90oVEK098T05		
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00887	C2021	05	30.23568	10	21	15.46	+21	21	52.4	17.6	VoEK098691
01862	C2021	05	29.28550210	15	02.82	+14	27	08.4	19.36oVEK098T05		
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01866	C2021	05	29.40915913	21	11.11	+29	40	55.9	16.78oVEK098T05		
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01866	C2021	05	29.42937213	21	09.99	+29	40	38.8	16.70oVEK098T05		
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01866	C2021	05	30.26939113	20	25.50	+29	28	57.6	17.23GVEK098703		
01866	C2021	05	30.27466513	20	25.20	+29	28	53.1	17.16GVEK098703		
01866	C2021	05	30.27993813	20	24.92	+29	28	48.7	17.12GVEK098703		
03553	C2021	05	29.49330619	05	00.56	+21	37	13.2	18.32oVEK098T05		
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12538	C2021	05	29.53160720	19	28.54	+29	11	24.1	16.50oVEK098T05		
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12538	C2021	05	29.54403720	19	27.60	+29	11	48.7	16.56oVEK098T05		
21374	C2021	05	30.17195210	20	47.44	+31	01	38.6	19.70GVEK098703		
21374	C2021	05	30.18253110	20	49.03	+31	01	11.4	19.46GVEK098703		
21374	C2021	05	30.18782710	20	49.82	+31	00	57.7	19.28GVEK098703		
27002	C2021	05	30.21141511	04	50.77	+20	47	26.1	21.00GVEK098703		
27346	C2021	05	30.27809214	59	13.32	+38	00	09.1	20.56GVEK098G96		

27346	C2021	05	30.28320714	59	13.00	+38	00	07.8	VEK098G96	
53435	C2021	05	30.29340514	59	12.32	+38	00	02.8	20.47GVEK098G96	
53435	C2021	05	29.28043709	49	03.12	+27	33	42.9	19.28oVEK098T05	
53435	C2021	05	29.28366509	49	03.33	+27	33	41.0	19.11oVEK098T05	
53435	C2021	05	29.29100309	49	03.98	+27	33	35.6	19.18oVEK098T05	
53789	C2021	05	29.30296109	49	05.10	+27	33	26.4	19.31oVEK098T05	
53789	C2021	05	29.45261614	55	08.016	+41	02	38.55	19.71iUEK098F51	
53789	C2021	05	29.46040614	55	07.328	+41	02	40.77	19.92iUEK098F51	
53789	C2021	05	29.46815514	55	06.648	+41	02	43.04	19.80iUEK098F51	
53789	C2021	05	29.47591314	55	05.963	+41	02	45.14	19.91iUEK098F51	
53789	C2021	05	30.27762614	53	59.83	+41	06	38.3	19.77GVEK098G96	
53789	C2021	05	30.28273614	53	59.38	+41	06	39.6	19.72GVEK098G96	
53789	C2021	05	30.28784114	53	58.95	+41	06	40.9	19.74GVEK098G96	
53789	C2021	05	30.29294814	53	58.51	+41	06	42.3	19.73GVEK098G96	
66400	KC2021	05	29.89735	12	50	19.37	+08	05	14.3	19.3 GVEK098K74
66400	KC2021	05	29.90030	12	50	19.28	+08	05	10.1	19.5 GVEK098K74
66400	KC2021	05	29.90331	12	50	19.18	+08	05	06.2	19.7 GVEK098K74
85709	C2021	05	30.39155822	39	25.17	+22	10	01.3	18.40GVEK098703	
85709	C2021	05	30.39683622	39	25.61	+22	10	06.6	18.66GVEK098703	
85709	C2021	05	30.40211722	39	26.22	+22	10	10.5	19.02GVEK098703	
85709	C2021	05	30.40740222	39	26.72	+22	10	15.1	18.55GVEK098703	
86324	C2021	05	30.43120423	44	21.81	+12	11	21.6	19.34GVEK098703	
86324	C2021	05	30.44051323	44	23.55	+12	11	51.5	18.39GVEK098703	
86324	C2021	05	30.44516523	44	24.35	+12	12	05.2	19.36GVEK098703	
86829	C2021	05	29.26071808	37	25.09	+32	15	22.6	17.48oVEK098T05	
86829	C2021	05	29.26392908	37	26.51	+32	15	17.9	17.62oVEK098T05	
86829	C2021	05	29.27126408	37	29.75	+32	15	07.3	17.45oVEK098T05	
86829	C2021	05	29.28135208	37	34.16	+32	14	52.5	17.37oVEK098T05	
87024	C2021	05	29.35671813	08	47.78	+15	46	41.3	16.16oVEK098T05	
87024	C2021	05	29.35992013	08	47.78	+15	46	59.5	16.19oVEK098T05	
87024	C2021	05	29.37000613	08	47.82	+15	47	56.6	16.19oVEK098T05	
87024	C2021	05	29.37596813	08	47.83	+15	48	30.3	16.16oVEK098T05	
87024	C2021	05	29.91086	13	09	02.14	+16	38	36.4	17.1 GVEK098K74
87024	C2021	05	29.91318	13	09	02.15	+16	38	49.4	17.1 GVEK098K74
87024	C2021	05	29.91550	13	09	02.18	+16	39	02.3	16.9 GVEK098K74
87024	C2021	05	29.91840	13	09	02.22	+16	39	18.5	17.0 GVEK098K74
87024	C2021	05	29.91995	13	09	02.24	+16	39	27.2	17.0 GVEK098K74
87024	KC2021	05	30.11797313	09	08.89	+16	58	10.9	16.4 GVEK098V93	
87024	KC2021	05	30.16243213	09	09.26	+17	02	19.9	16.3 GVEK098V93	
87024	KC2021	05	30.20089913	09	09.69	+17	05	54.2	16.3 GVEK098V93	
89355	C2021	05	30.16931811	59	44.09	+41	08	29.2	17.81GVEK098G96	
89355	C2021	05	30.17460611	59	45.00	+41	08	16.1	17.82GVEK098G96	
89355	C2021	05	30.18233711	59	46.32	+41	07	57.1	17.83GVEK098G96	
89355	C2021	05	30.18761811	59	47.23	+41	07	44.2	VEK098G96	
89355	C2021	05	30.19009711	59	47.64	+41	07	38.0	17.54GVEK098G96	
89355	C2021	05	30.19859511	59	49.11	+41	07	17.1	17.83GVEK098G96	
89355	C2021	05	30.20383211	59	50.01	+41	07	04.1	17.76GVEK098G96	
89355	C2021	05	30.20906511	59	50.91	+41	06	51.2	17.75GVEK098G96	
D8937	C2021	05	29.44682814	54	59.579	+31	33	11.71	19.90iUEK098F51	
D8937	C2021	05	29.45458814	54	58.497	+31	33	08.42	19.82iUEK098F51	
D8937	C2021	05	29.46236714	54	57.424	+31	33	05.19	19.73iUEK098F51	
D8937	C2021	05	29.47011614	54	56.368	+31	33	02.01	19.71iUEK098F51	
E1874	C2021	05	30.26513314	07	43.999	+05	25	02.93	21.28wUEK098F51	
E1874	C2021	05	30.27697214	07	43.546	+05	25	01.06	21.20wUEK098F51	
E1874	C2021	05	30.30066314	07	42.628	+05	24	57.30	21.15wUEK098F51	
E2464	KC2021	05	30.13716613	38	38.47	+59	54	18.9	18.3 GVEK098V93	
E2464	KC2021	05	30.17343813	38	48.84	+59	54	08.5	17.6 GVEK098V93	
E2464	KC2021	05	30.21100513	38	59.58	+59	53	56.6	18.1 GVEK098V93	
E3637	C2021	05	30.33883316	15	42.29	+41	20	56.0	21.07GVEK098G96	
E3637	C2021	05	30.34403816	15	41.79	+41	20	56.9	22.02GVEK098G96	
E3637	C2021	05	30.34924816	15	41.18	+41	20	57.6	20.61GVEK098G96	
E3637	C2021	05	30.35444616	15	40.62	+41	20	57.9	20.30GVEK098G96	
F2931	C2019	02	16.09967715	57	33.06	+28	55	35.2	17.7 VqEK098C95	
F2931	C2019	02	16.10085315	57	33.20	+28	55	36.2	17.6 VqEK098C95	
F2931	C2019	02	16.10202915	57	33.32	+28	55	36.7	17.6 VqEK098C95	
F2931	C2019	02	16.10320415	57	33.47	+28	55	37.7	17.5 VqEK098C95	
F2931	C2019	02	16.10438115	57	33.62	+28	55	38.5	17.8 VqEK098C95	
F2931	C2019	02	16.10555715	57	33.87	+28	55	39.6	17.6 VqEK098C95	
F3267	C2021	05	30.31785315	18	46.189	-13	25	05.74	21.77wUEK098F51	
F3267	C2021	05	30.33095015	18	45.125	-13	25	03.95	22.19wUEK098F51	
F3267	C2021	05	30.34407315	18	44.093	-13	25	01.72	21.91wUEK098F51	
F3267	C2021	05	30.35718115	18	43.035	-13	24	59.89	22.03wUEK098F51	
G1995	C2021	05	29.42507215	00	00.14	+13	11	21.4	17.80oVEK098T05	
G1995	C2021	05	29.45252814	59	56.67	+13	10	34.2	17.68oVEK098T05	
G1995	C2021	05	29.45654314	59	56.15	+13	10	27.4	17.65oVEK098T05	
G1995	C2021	05	29.47154614	59	54.26	+13	10	01.7	17.71oVEK098T05	
G3696	KC2021	05	27.97647	14	05	53.22	+06	59	14.1	17.2 GVEK098L63
G3696	KC2021	05	27.98326	14	05	51.67	+06	59	03.3	17.1 GVEK098L63
G3696	KC2021	05	27.98982	14	05	50.21	+06	58	53.3	16.9 GVEK098L63
G3696	KC2021	05	30.14757113	57	53.19	+06	01	11.4	17.1 GVEK098V93	
G3696	KC2021	05	30.18402913	57	44.98	+06	00	10.5	17.1 GVEK098V93	
G3696	KC2021	05	30.22128313	57	36.56	+05	59	08.2	17.3 GVEK098V93	
G4217	C2021	05	29.50512815	48	05.929	+66	03	50.12	20.10iUEK098F51	
G4217	C2021	05	29.51291815	48	05.076	+66	03	49.66	20.12iUEK098F51	
G4217	C2021	05	29.52069115	48	04.268	+66	03	49.15	20.16iUEK098F51	
G4217	C2021	05	29.52848815	48	03.436	+66	03	48.87	20.11iUEK098F51	
N5086	C2021	05	30.26513314	04	55.517	+04	56	48.97	18.53wUEK098F51	
N5086	C2021	05	30.27697214	04	54.997	+04	56	50.13	18.65wUEK098F51	
N5086	C2021	05	30.28878514	04	54.475	+04	56	51.28	18.92wUEK098F51	
N5086	C2021	05	30.30066314	04	53.951	+04	56	52.47	19.12wUEK098F51	
R1480	C2021	05	30.23679013	50	29.94	+36	47	16.2	19.50GVEK098G96	
R1480	C2021	05	30.24204313	50	29.95	+36	47	09.2	19.47GVEK098G96	
R1480	C2021	05	30.24729013	50	30.01	+36	47	02.9	VEK098G96	

R1480	C2021	05	30.25253013	50	30.14	+36	46	53.9	VEK098G96
R1480	C2021	05	30.28216113	50	30.16	+36	46	15.2	19.95GVEK098703
R1480	C2021	05	30.28746013	50	30.16	+36	46	07.5	19.51GVEK098703
R1480	C2021	05	30.29276813	50	30.17	+36	46	00.5	19.34GVEK098703
R1480	C2021	05	30.29807213	50	30.28	+36	45	53.0	20.11GVEK098703
U3174	C2021	05	29.59468422	09	38.71	+24	05	17.9	18.44oVEK098T05
U3174	C2021	05	29.59697022	09	39.17	+24	05	21.4	18.48oVEK098T05
U3174	C2021	05	29.60769822	09	41.15	+24	05	38.4	18.35oVEK098T05
U3174	C2021	05	29.61104122	09	41.81	+24	05	44.0	18.19oVEK098T05
U3174	C2021	05	30.39244322	12	09.89	+24	26	05.3	18.66GVEK098703
U3174	C2021	05	30.39772022	12	10.83	+24	26	12.5	18.62GVEK098703
U3174	C2021	05	30.40300222	12	11.85	+24	26	20.4	18.65GVEK098703
U3174	C2021	05	30.40828722	12	12.85	+24	26	29.7	18.21GVEK098703
Y1816	C2021	05	30.19295712	35	03.43	+37	00	05.9	22.14GVEK098G96
Y1816	C2021	05	30.20146012	35	03.58	+36	59	59.4	22.25GVEK098G96
Y1816	C2021	05	30.20669012	35	03.58	+36	59	55.2	21.95GVEK098G96
Y1816	C2021	05	30.21191612	35	03.71	+36	59	50.8	VEK098G96
b4267	C2021	05	29.34613412	44	09.26	+19	32	04.5	16.51oVEK098T05
b4267	C2021	05	29.35305912	44	14.46	+19	30	59.5	16.45oVEK098T05
b4267	C2021	05	29.36817712	44	25.80	+19	28	37.8	16.54oVEK098T05
e1856	C2021	05	29.45791615	45	06.73	+24	16	30.7	18.67oVEK098T05
e1856	C2021	05	29.46080715	45	06.22	+24	16	06.5	18.73oVEK098T05
e1856	C2021	05	29.46595015	45	05.22	+24	15	23.8	18.66oVEK098T05
e1856	C2021	05	29.47826815	45	02.81	+24	13	39.7	18.80oVEK098T05
e1856	C2021	05	30.33679115	42	33.22	+22	14	58.4	18.75GVEK098703
e1856	C2021	05	30.34205015	42	32.30	+22	14	15.3	18.50GVEK098703
e3039	C2021	05	29.38270215	48	50.65	+28	16	01.3	19.04oVEK098T05
e3039	C2021	05	29.38453115	48	50.46	+28	15	57.1	18.86oVEK098T05
e3039	C2021	05	29.46264315	48	44.48	+28	13	36.4	18.72oVEK098T05
e3039	C2021	05	29.47307115	48	43.73	+28	13	17.6	18.99oVEK098T05
e3039	C2021	05	30.32583815	47	49.92	+27	47	17.3	19.30GVEK098703
e3039	C2021	05	30.33109815	47	49.53	+27	47	07.2	19.04GVEK098703
e3039	C2021	05	30.33636115	47	49.22	+27	46	58.4	18.93GVEK098703
e3039	C2021	05	30.34162015	47	48.79	+27	46	48.2	19.01GVEK098703
f4586	C2021	05	29.26026108	31	18.41	+26	06	26.7	18.34oVEK098T05
f4586	C2021	05	29.26347208	31	19.28	+26	06	24.5	18.48oVEK098T05
f4586	C2021	05	29.26943508	31	20.82	+26	06	19.1	18.45oVEK098T05
f4586	C2021	05	29.27952408	31	23.55	+26	06	10.8	18.41oVEK098T05
f8900	C2021	05	29.57400622	10	29.92	+10	55	58.9	18.57oVEK098T05
f8900	C2021	05	29.57722122	10	30.52	+10	55	43.0	18.28oVEK098T05
f8900	C2021	05	29.60122922	10	35.18	+10	53	44.3	18.51oVEK098T05
f8900	C2021	05	29.60985622	10	36.86	+10	53	00.0	18.48oVEK098T05
f9922	C2021	05	30.31924715	35	41.320	-09	40	24.78	21.46wUEK098F51
f9922	C2021	05	30.33234615	35	40.381	-09	40	20.63	21.75wUEK098F51
f9922	C2021	05	30.34546115	35	39.384	-09	40	16.61	21.92wUEK098F51
f9922	C2021	05	30.35859815	35	38.430	-09	40	12.44	21.63wUEK098F51
h1760	C2021	05	30.31513715	13	55.803	-11	29	41.25	21.25wUEK098F51
h1760	C2021	05	30.34136115	13	52.247	-11	29	25.66	21.33wUEK098F51
h1760	C2021	05	30.35448515	13	50.459	-11	29	17.83	21.23wUEK098F51
n4690	C2021	05	29.57492021	49	27.69	+23	46	49.7	17.68oVEK098T05
n4690	C2021	05	29.57860021	49	33.74	+23	46	36.0	17.53oVEK098T05
n4690	C2021	05	29.59559821	50	01.24	+23	45	33.5	17.36oVEK098T05
n4690	C2021	05	29.60214421	50	11.78	+23	45	09.4	17.59oVEK098T05
n4690	C2021	05	29.61241321	50	28.41	+23	44	30.9	18.01oVEK098T05
n4690	C2021	05	30.39244322	13	28.25	+22	44	31.6	17.49GVEK098703
n4690	C2021	05	30.39772022	13	37.99	+22	44	04.7	17.79GVEK098703
n4690	C2021	05	30.40828722	13	57.49	+22	43	08.7	17.48GVEK098703
n5222	C2021	05	30.29965315	41	14.86	+37	51	15.0	19.90GVEK098G96
n5222	C2021	05	30.30484415	41	15.08	+37	51	27.9	19.79GVEK098G96
n5222	C2021	05	30.31003315	41	15.31	+37	51	40.4	20.04GVEK098G96
n5222	C2021	05	30.31523615	41	15.53	+37	51	53.2	19.91GVEK098G96
n5615	C2021	05	29.42461614	46	48.85	+12	25	47.1	15.99oVEK098T05
n5615	C2021	05	29.42507214	46	48.80	+12	25	49.5	16.05oVEK098T05
n5615	C2021	05	29.45252814	46	44.83	+12	28	11.0	16.06oVEK098T05
n5615	C2021	05	29.45608614	46	44.31	+12	28	29.2	16.08oVEK098T05
n5615	C2021	05	29.45654314	46	44.26	+12	28	31.5	16.06oVEK098T05
n5615	C2021	05	29.47108814	46	42.17	+12	29	46.2	16.18oVEK098T05
n5615	C2021	05	29.47154614	46	42.11	+12	29	48.5	16.14oVEK098T05
n5615	KC2021	05	30.15542014	45	15.87	+13	27	05.9	16.8 GVEK098V93
n5615	KC2021	05	30.19417614	45	10.53	+13	30	16.7	16.2 GVEK098V93
o6459	C2021	05	29.50641914	59	34.824	+69	18	24.80	18.46iUEK098F51
o6459	C2021	05	29.51420814	59	33.592	+69	18	19.12	18.48iUEK098F51
o6459	C2021	05	29.52978614	59	31.167	+69	18	07.84	18.34iUEK098F51

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