

**Table 1.** MgI and sTiO index measurements ( $\mathcal{I}$ ), typical observational index error ( $\sigma_{\text{typ}}\mathcal{I}$ , accounting for photon noise and typical uncertainties in radial velocity), fitting function residuals ( $\Delta\mathcal{I}$ ), and [Mg/Fe] abundances (when available) for all the stars in CEN01a. Sources for [Mg/Fe] values are: (1) the catalogue of spectroscopic abundances in stars (Borkova & Marsakov 2005); (2) the catalogue of chemical abundances in late-type stars (Thevenin 1998) corrected to the Borkova & Marsakov (2005) system; (3) Pilachowski, Sneden & Kraft (1996); and (4) Gratton & Sneden (1987). The first five columns indicates the star number within the library, the name, the coordinates (RA and Dec in J2000, except M71 stars which are B1950), and the spectral type and luminosity class. Additional information for the library stars (e.g. atmospheric parameters, [Ca/Fe] abundances, CaT, PaT, and CaT\* index values, their errors and fitting function residuals,  $B$  and  $V$  apparent magnitudes, signal-to-noise ratios per angstrom, and other names) can be found at CEN01a,b and at <http://www.ucm.es/info/Astrof/ellipt/MgIsTiO.html>.

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI( $\text{\AA}$ )			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
001	Coma A 3	12:19:16.7	+25:26:11	G9 V	0.417	0.097	-0.430	0.900	0.008	-0.025	
002	Coma A 13	12:24:06.2	+26:07:44	K0 V	0.388	0.135	-0.318	0.865	0.010	-0.053	
003	Coma A 14	12:24:17.6	+24:19:32	G4 V	0.396	0.080	-0.297	0.920	0.007	-0.002	
004	Coma A 21	12:30:14.8	+25:01:44	G7 V	0.570	0.099	-0.185	0.919	0.008	-0.005	
005	Coma T 65	12:19:28.3	+24:17:03	G0 V	0.285	0.079	-0.143	0.896	0.006	-0.017	
006	Coma T 68	12:19:50.6	+28:27:51	A6 IV-V	-0.064	0.066	-0.008	0.920	0.005	-0.016	
007	Coma T 82	12:21:26.7	+24:59:49	A9 V	-0.214	0.072	-0.257	0.893	0.005	-0.025	
008	Coma T 85	12:21:49.0	+26:32:57	G1 V	0.487	0.062	0.049	0.904	0.005	-0.008	
009	Coma T 86	12:21:56.2	+27:18:34	F6 V	0.068	0.071	-0.202	0.888	0.006	-0.024	
010	Coma T 90	12:22:24.8	+22:27:51	F5 V	0.100	0.071	-0.183	0.886	0.006	-0.026	
011	Coma T 97	12:23:08.4	+25:51:05	F9 V	0.462	0.084	0.068	0.906	0.007	-0.006	
012	Coma T 102	12:23:42.2	+26:36:08	G1 V	0.338	0.122	-0.123	0.896	0.010	-0.017	
013	Coma T 114	12:25:22.5	+23:13:45	F8 V	0.297	0.073	0.037	0.892	0.006	-0.019	
014	Coma T 132	12:27:06.1	+26:50:47	G5 V	0.598	0.096	0.017	0.877	0.008	-0.037	
015	Coma T 150	12:29:41.1	+24:31:13	G9 V	0.465	0.080	-0.213	0.889	0.006	-0.033	
016	Hya vB 10	04:06:16.1	+15:41:53	G0 V	0.501	0.071	0.024	0.912	0.006	0.002	
017	Hya vB 15	04:14:32.3	+23:34:30	G3 V	0.484	0.068	-0.100	0.913	0.006	-0.001	
018	Hya vB 17	04:14:25.7	+14:37:30	G5 V	0.702	0.077	0.052	0.918	0.007	0.006	+0.05 <sup>2</sup>
019	Hya vB 19	04:14:34.3	+10:42:05	F8 V	0.360	0.062	0.006	0.909	0.005	-0.002	
020	Hya vB 21	04:16:33.5	+21:54:26	K0 V	0.778	0.095	-0.011	0.917	0.008	0.000	
021	Hya vB 26	04:18:58.0	+19:54:24	G9 V	0.706	0.079	0.018	0.924	0.007	0.010	
022	Hya vB 31	04:20:13.0	+19:14:00	G0 V	0.370	0.067	-0.068	0.908	0.006	-0.003	
023	Hya vB 35	04:21:31.7	+21:02:23	F5 V	0.224	0.040	-0.038	0.911	0.003	0.001	
024	Hya vB 36	04:21:32.3	+18:25:03	F6 V	0.192	0.041	-0.069	0.907	0.003	-0.003	
025	Hya vB 37	04:21:34.8	+14:24:35	F5 V	0.253	0.036	0.033	0.910	0.003	-0.001	+0.07 <sup>2</sup>
026	Hya vB 63	04:26:24.6	+16:51:12	G1 V	0.483	0.056	-0.036	0.921	0.005	0.007	
027	Hya vB 64	04:26:40.1	+16:44:49	G2 V	0.569	0.061	-0.003	0.910	0.005	-0.003	
028	Hya vB 73	04:28:48.3	+17:17:08	G2 V	0.540	0.062	0.047	0.902	0.005	-0.009	+0.11 <sup>2</sup>
029	Hya vB 81	04:30:18.0	+19:50:26	F6 V	0.369	0.044	0.064	0.912	0.004	0.002	+0.05 <sup>2</sup>
030	Hya vB 87	04:31:15.7	+20:07:59	G8 V	0.718	0.060	0.033	0.919	0.005	0.004	
031	Hya vB 95	04:33:50.9	+14:50:40	A8 V n	0.002	0.049	-0.023	0.912	0.004	-0.014	
032	Hya vB 103	04:38:09.4	+16:02:00	F0 V	0.161	0.045	0.062	0.917	0.004	0.001	
033	Hya vB 104	04:38:09.5	+12:30:39	A6 V n	0.223	0.049	0.334	0.961	0.004	0.008	
034	Hya vB 111	04:44:25.8	+11:08:46	F0 V	0.381	0.059	0.348	0.942	0.005	0.017	
035	Hya vB 112	04:46:01.7	+11:42:20	Am	0.115	0.054	0.135	0.962	0.005	0.027	
036	Hya vB 126	04:54:58.4	+19:29:07	F3 IV	0.043	0.034	-0.046	0.919	0.003	0.003	
037	Hya vB 140	04:24:43.2	+04:42:00	G5 V	0.730	0.058	0.020	0.922	0.005	0.006	
038	M10 II-76	16:56:51.3	-04:01:27	AGB	-0.057	0.194	-0.418	0.941	0.016	-0.016	
039	M10 III-85	16:56:56.7	-04:11:12	GB	0.512	0.106	0.072	0.961	0.010	-0.008	
040	M13 A 171	16:41:19.6	+36:21:15	AGB	0.585	0.116	0.160	0.958	0.010	-0.011	
041	M13 B 786	16:41:23.5	+36:30:17	GB	0.336	0.108	-0.349	0.962	0.010	-0.028	
042	M13 B 818	16:41:29.8	+36:31:56	AGB	0.574	0.230	0.335	0.949	0.020	0.014	
043	M3 398	13:42:32.0	+28:27:03	GB	0.177	0.208	-0.227	0.923	0.016	-0.038	
044	M3 III-28	13:41:45.8	+28:25:00	GB	0.530	0.137	-0.094	0.924	0.011	-0.065	
045	M3 IV-25	13:41:36.3	+28:21:24	GB	0.507	0.183	0.036	0.940	0.015	-0.030	
046	M5 I-45	15:18:41.5	+02:06:54	HB	0.368	0.188	0.207	0.913	0.016	-0.012	
047	M5 II-51	15:18:21.1	+02:06:58	GB	0.186	0.251	-0.248	0.920	0.020	-0.038	
048	M5 II-53	15:18:24.6	+02:06:57	HB	-0.306	0.298	0.030	0.982	0.026	0.006	
049	M5 II-76	15:18:22.5	+02:07:29	HB	-0.096	0.246	-0.208	0.891	0.019	-0.032	
050	M5 III-03	15:18:17.0	+02:04:54	GB	0.339	0.225	-0.397	0.956	0.020	-0.041	

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
051	M5 IV-19	15:18:33.1	+02:01:18	GB	0.266	0.232	-0.417	0.920	0.019	-0.070	
052	M5 IV-59	15:18:44.0	+02:04:36	GB	0.573	0.197	-0.054	0.946	0.018	-0.043	
053	M5 IV-86	15:18:43.0	+02:01:49	HB	0.228	0.202	0.022	0.924	0.017	-0.004	
054	M5 IV-87	15:18:44.2	+02:01:52	HB	0.146	0.127	0.009	0.936	0.011	0.012	
055	M67 F 084	08:51:12.7	+11:52:42	HB	0.620	0.061	-0.092	0.926	0.005	-0.032	
056	M67 F 094	08:51:15.4	+11:50:14	SGB	-0.078	0.226	-0.374	0.873	0.017	-0.042	
057	M67 F 105	08:51:17.1	+11:48:16	GB	0.655	0.073	-0.142	0.934	0.006	-0.032	
058	M67 F 108	08:51:17.4	+11:45:24	GB	0.627	0.088	-0.226	0.954	0.008	-0.024	
059	M67 F 115	08:51:18.6	+11:49:22	SGB	0.037	0.193	-0.310	0.864	0.014	-0.053	
060	M67 F 117	08:51:18.7	+11:47:03	SGB	0.198	0.154	-0.365	0.897	0.012	-0.029	
061	M67 F 119	08:51:19.0	+11:50:06	SGB	0.303	0.180	-0.019	0.904	0.014	-0.012	
062	M67 F 125	08:51:20.2	+11:52:48	SGB	0.244	0.251	-0.106	0.912	0.019	0.000	
063	M67 F 164	08:51:29.0	+11:50:33	HB	0.798	0.109	0.072	0.910	0.009	-0.050	
064	M67 F 170	08:51:29.9	+11:47:17	GB	0.717	0.074	-0.133	0.947	0.007	-0.031	-0.08 <sup>2</sup>
065	M67 F 175	08:51:31.2	+11:53:18	SGB	0.055	0.239	-0.321	0.913	0.019	0.001	
066	M67 F 193	08:51:35.8	+11:53:35	GB	0.549	0.125	-0.121	0.926	0.011	-0.014	
067	M67 F 224	08:51:43.8	+11:44:26	GB?	0.512	0.100	-0.207	0.963	0.009	0.008	
068	M67 F 231	08:51:45.1	+11:47:46	GB	0.598	0.089	-0.079	0.906	0.007	-0.040	
069	M67 I-17	08:51:08.4	+11:47:12	GB	0.620	0.112	-0.047	0.883	0.009	-0.056	
070	M67 II-22	08:51:29.4	+11:45:27	SGB	0.586	0.161	-0.077	0.885	0.013	-0.049	
071	M67 IV-20	08:51:17.0	+11:50:45	GB	0.572	0.107	-0.143	0.917	0.009	-0.035	
072	M67 IV-68	08:50:50.0	+11:49:13	SGB	0.248	0.175	-0.381	0.889	0.014	-0.042	
073	M67 IV-77	08:50:58.2	+11:52:22	SGB	0.486	0.156	-0.203	0.873	0.012	-0.064	
074	M67 IV-81	08:51:00.2	+11:54:32	SGB	0.590	0.193	0.030	0.874	0.015	-0.052	
075	M71 1-09	19:51:35	+18:38:06	AGB	0.441	0.168	-0.115	0.929	0.015	-0.035	
076	M71 1-21	19:51:34	+18:38:23	GB	0.651	0.246	-0.020	0.941	0.022	-0.035	
077	M71 1-31				0.571	0.198		0.890	0.017		
078	M71 1-34	19:51:36	+18:39:06	HB	0.387	0.177	-0.041	0.875	0.015	-0.066	
079	M71 1-36				0.648	0.085		0.975	0.008		
080	M71 1-37	19:51:34	+18:39:14	GB	0.223	0.203	-0.332	0.953	0.018	-0.004	
081	M71 1-39	19:51:35	+18:39:23	HB	0.216	0.178	-0.230	0.924	0.015	-0.020	
082	M71 1-41	19:51:34	+18:39:25	HB	0.187	0.146	-0.228	0.947	0.013	0.007	
083	M71 1-53	19:51:37	+18:41:13	GB	0.746	0.135	0.019	0.971	0.013	-0.009	
084	M71 1-59	19:51:28	+18:40:45	GB	0.187	0.198	-0.346	0.986	0.019	0.033	
085	M71 1-63	19:51:33	+18:39:50	AGB	0.557	0.183	0.018	0.948	0.016	-0.012	
086	M71 1-64	19:51:32	+18:39:32	GB	0.560	0.187	-0.128	0.952	0.017	-0.024	
087	M71 1-65	19:51:32	+18:39:07	GB	0.506	0.213	-0.038	0.943	0.019	-0.013	
088	M71 1-66	19:51:32	+18:39:01	AGB	0.675	0.173	0.035	0.945	0.016	-0.029	
089	M71 1-71	19:51:30	+18:39:40	GB	0.556	0.211	-0.073	0.931	0.018	-0.036	
090	M71 1-73	19:51:29	+18:39:15	GB	0.428	0.156	-0.055	0.964	0.014	0.016	
091	M71 1-75	19:51:28	+18:39:49		0.523	0.176	0.039	0.947	0.016	0.000	
092	M71 1-87	19:51:32	+18:37:56		0.739	0.162	0.311	0.923	0.015	-0.018	
093	M71 1-95	19:51:28	+18:38:12	AGB	0.615	0.170	0.049	0.925	0.015	-0.040	
094	M71 1-107	19:51:28	+18:38:12	AGB	0.180	0.268	-0.297	0.920	0.022	-0.032	
095	M71 1-109	19:51:25	+18:38:37	GB	0.633	0.163	0.131	0.990	0.016	0.041	
096	M71 2-255				0.044	0.222		0.916	0.018		
097	M71 A2	19:51:40	+18:37:38	HB	0.301	0.159	-0.172	0.945	0.014	-0.003	
098	M71 A4	19:51:39	+18:38:52	AGB	0.531	0.130	-0.312	0.980	0.012	-0.024	
099	M71 A6				0.921	0.166		0.985	0.016		
100	M71 A7				0.658	0.166		0.944	0.015		
101	M71 A9	19:51:24	+18:37:06	GB	0.481	0.212	-0.256	0.940	0.019	-0.041	
102	M71 C	19:51:35	+18:36:55	HB	0.558	0.175	0.096	0.942	0.016	-0.004	
103	M71 Q				0.257	0.124		0.910	0.011		
104	M71 S	19:51:26	+18:35:59	GB	0.315	0.199	-0.391	0.935	0.017	-0.045	
105	M71 X	19:51:28	+18:36:18	HB	0.717	0.154	0.315	0.932	0.014	-0.007	

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Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI( $\text{\AA}$ )			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
106	M71 Z				0.234	0.230		0.931	0.020		
107	M71 KC 22				0.534	0.174		0.927	0.015		
108	M71 KC 147	19:51:30	+18:37:13		0.591	0.165	0.133	0.942	0.015	-0.002	
109	M71 KC 169	19:51:40	+18:37:03		0.503	0.158	0.062	0.933	0.014	-0.010	
110	M71 KC 263	19:51:31	+18:39:13		0.294	0.193	-0.168	0.898	0.016	-0.046	
111	M92 I-10	17:17:36.4	+43:09:32	HB	-0.579	0.274	-0.384	0.971	0.022	0.000	
112	M92 I-13	17:17:30.4	+43:10:01	HB	-0.528	0.332	-0.581	0.868	0.024	-0.049	
113	M92 II-23	17:17:21.2	+43:12:25	HB	-1.359	0.848	-1.290	1.007	0.069	0.083	
114	M92 III-13	17:17:21.8	+43:12:55	GB	0.423	0.161	0.191	0.953	0.014	-0.021	+0.36 <sup>2</sup>
115	M92 IV-114	17:16:59.7	+43:13:31	GB	-0.065	0.191	-0.199	0.945	0.016	0.005	
116	M92 VI-74	17:16:48.6	+43:08:14	HB	0.370	0.227	0.325	0.931	0.019	0.015	
117	M92 IX-12	17:16:52.4	+43:03:31	AGB	0.205	0.193	0.135	0.915	0.016	-0.002	
118	M92 XII-8	17:17:31.8	+43:05:42	GB	0.011	0.217	-0.181	0.947	0.018	-0.009	+0.44 <sup>2</sup>
119	M92 XII-24	17:17:28.8	+43:07:25	HB	-0.020	0.274	0.333	0.987	0.024	0.012	
120	NGC 188 I-20	00:47:04.1	+85:15:28		0.825	0.075		0.893	0.006		
121	NGC 188 I-55	00:44:41.2	+85:15:22	SGB	0.389	0.107	-0.190	0.900	0.009	-0.024	
122	NGC 188 I-57	00:45:37.3	+85:15:09	GB	0.707	0.053	-0.031	0.930	0.005	-0.017	
123	NGC 188 I-61	00:45:49.8	+85:14:04	GB	0.741	0.057	0.048	0.923	0.005	-0.017	
124	NGC 188 I-69	00:44:52.7	+85:14:06	GB	0.806	0.027	-0.009	0.945	0.003	-0.020	
125	NGC 188 I-75	00:46:34.0	+85:14:35	GB	0.701	0.049	0.011	0.923	0.004	-0.019	
126	NGC 188 I-85	00:47:45.5	+85:14:22	GB	0.636	0.075	-0.116	0.915	0.007	-0.025	
127	NGC 188 I-88	00:48:37.4	+85:13:19	SGB	0.675	0.100	0.035	0.893	0.008	-0.035	
128	NGC 188 I-97	00:47:46.7	+85:12:53	SGB	0.663	0.115	-0.006	0.905	0.010	-0.026	
129	NGC 188 I-105	00:47:00.0	+85:13:16	HB	0.680	0.041	-0.090	0.942	0.004	-0.022	
130	NGC 188 I-116	00:45:23.1	+85:12:39		0.798	0.078	0.194	0.926	0.007	-0.010	
131	NGC 188 II-52	00:43:18.3	+85:17:26	SGB	0.519	0.140	-0.017	0.905	0.012	-0.017	
132	NGC 188 II-64	00:44:22.5	+85:18:20	SGB	0.580	0.133	0.138	0.935	0.013	0.019	
133	NGC 188 II-67	00:44:21.0	+85:18:27	SGB	0.241	0.764	-0.154	0.884	0.065	-0.031	
134	NGC 188 II-69	00:43:55.9	+85:18:45	SGB	0.025	0.661	-0.349	0.888	0.054	-0.026	
135	NGC 188 II-72	00:45:51.2	+85:18:09	GB	-0.040	0.762	-0.857	0.897	0.064	-0.067	
136	NGC 188 II-76	00:46:19.4	+85:20:10	HB	0.852	0.127	0.071	0.960	0.013	-0.005	
137	NGC 188 II-88	00:47:19.0	+85:19:46	GB	0.808	0.103	0.023	0.955	0.010	-0.002	
138	NGC 188 II-93	00:48:20.1	+85:18:42	SGB	0.679	0.169	0.133	0.943	0.016	0.021	
139	NGC 188 II-122	00:49:33.4	+85:15:18	GB	0.661	0.632	-0.029	0.880	0.054	-0.059	
140	NGC 188 II-126	00:50:06.4	+85:14:48	GB	0.812	0.337	0.118	0.931	0.032	-0.007	
141	NGC 188 II-181	00:47:59.1	+85:11:33	GB	0.696	0.320	-0.143	0.946	0.031	-0.024	
142	NGC 188 II-187	00:47:32.5	+85:11:03	GB	0.803	0.111	0.120	0.946	0.011	0.006	
143	NGC 6171 04	16:32:17.2	-13:04:21	HB	0.517	0.160	0.395	0.951	0.015	0.028	
144	NGC 6171 45	16:32:34.5	-13:01:52	HB	0.671	0.222	0.508	0.948	0.020	0.024	
145	NGC 7789 338	23:56:56.5	+56:44:38		0.464	0.110		0.919	0.009		
146	NGC 7789 415	23:57:03.3	+56:45:58	GB	0.866	0.045	-0.016	1.002	0.005	0.004	
147	NGC 7789 468	23:57:08.1	+56:43:21	GB	0.819	0.065	-0.013	0.979	0.006	-0.003	
148	NGC 7789 489	23:57:10.1	+56:40:57		0.753	0.072		0.971	0.007		
149	NGC 7789 501	23:57:11.2	+56:44:29	GB	0.758	0.072	-0.118	0.970	0.007	-0.020	
150	NGC 7789 575	23:57:17.0	+56:46:20	GB	0.541	0.122	-0.204	0.971	0.011	0.003	
151	NGC 7789 669	23:57:24.5	+56:48:31	GB	0.786	0.075	-0.050	0.974	0.007	-0.009	
152	NGC 7789 676	23:57:25.1	+56:38:36	HB	0.666	0.127	0.076	0.956	0.012	0.006	
153	NGC 7789 859	23:57:40.6	+56:45:23	GB	0.613	0.080	-0.082	0.953	0.007	-0.007	
154	NGC 7789 875	23:57:42.8	+56:38:57	HB	0.598	0.080	-0.002	0.949	0.007	-0.002	
155	NGC 7789 897	23:57:44.9	+56:45:44	HB	0.405	0.094	-0.195	0.941	0.009	-0.010	
156	NGC 7789 971	23:57:51.6	+56:38:57	GB	0.800	0.044	-0.076	1.017	0.005	0.018	
157	HD 108	00:06:03.4	+63:40:47	06 f pec	-0.063	0.040		0.928	0.003		
158	HD 249	00:07:22.6	+26:27:02	K1 IV	0.691	0.053	0.059	0.952	0.005	-0.002	
159	HD 417	00:08:52.1	+25:27:47	K0 III	0.609	0.048	0.009	0.952	0.004	0.000	
160	HD 1461	00:18:41.9	-08:03:11	G0 V	0.637	0.041	0.105	0.917	0.004	0.005	+0.039 <sup>1</sup>

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
161	HD 1918	00:23:43.2	+45:05:21	G9 III	0.535	0.052	0.000	0.954	0.005	-0.001	
162	HD 2665	00:30:45.4	+57:03:54	G5 IIIwe	-0.009	0.044	-0.141	0.952	0.004	0.021	+0.08 <sup>3</sup>
163	HD 2857	00:31:53.8	-05:15:43	A2 (HB)	-0.004	0.093	0.105	0.959	0.008	0.016	
164	HD 3443	00:37:20.7	-24:46:02	K1 V + ...	0.600	0.080	-0.065	0.923	0.007	0.005	
165	HD 3546	00:38:33.3	+29:18:42	G5 III	0.473	0.012	0.010	0.936	0.001	-0.006	+0.25 <sup>2</sup>
166	HD 3567	00:38:31.9	-08:18:33	F5 V	0.046	0.061	-0.096	0.913	0.005	-0.008	+0.172 <sup>1</sup>
167	HD 3651	00:39:21.8	+21:15:02	K0 V	0.913	0.044	0.229	0.922	0.004	0.008	
168	HD 4307	00:45:28.7	-12:52:51	G0 V	0.291	0.054	-0.120	0.904	0.004	-0.014	+0.042 <sup>1</sup>
169	HD 4614	00:49:06.3	+57:48:55	G0 V	0.365	0.037	-0.045	0.909	0.003	-0.005	+0.107 <sup>1</sup>
170	HD 4628	00:48:23.0	+05:16:50	K2 V	0.821	0.048	0.030	0.929	0.004	0.002	
171	HD 4656	00:48:40.9	+07:35:06	K5 III	0.826	0.023	-0.043	0.975	0.002	-0.012	
172	HD 5395	00:56:39.9	+59:10:52	G8 III-IV	0.470	0.034	-0.012	0.940	0.003	-0.007	
173	HD 6186	01:02:56.6	+07:53:24	G9 III	0.499	0.051	-0.087	0.944	0.005	-0.003	
174	HD 6203	01:03:02.5	-04:50:12	K0 III-IV	0.607	0.036	-0.107	0.952	0.003	-0.006	
175	HD 6474	01:06:59.7	+63:46:23	G4 Ia	0.539	0.031	0.127	1.000	0.003	0.042	
176	HD 6695	01:07:57.2	+20:44:21	A3 V	-0.227	0.050		0.950	0.004		
177	HD 6755	01:09:43.1	+61:32:50	F8 V	0.228	0.039	-0.017	0.948	0.003	0.014	
178	HD 6833	01:09:52.3	+54:44:20	G8 III	0.521	0.046	-0.068	0.961	0.004	-0.015	+0.16 <sup>3</sup>
179	HD 6860	01:09:43.9	+35:37:14	M0 III	0.913	0.033	0.060	1.012	0.003	0.022	
180	HD 6903	01:09:49.2	+19:39:30	G0 III	0.345	0.132		0.911	0.011		
181	HD 7010	01:11:37.6	+60:30:23	K0 IV	0.604	0.048		0.944	0.004		
182	HD 7927	01:20:04.9	+58:13:54	F0 Ia	0.171	0.032		0.941	0.003		
183	HD 8424	01:25:46.3	+70:58:48	A0 Vnn	-0.356	0.080		0.985	0.007		
184	HD 9826	01:36:47.8	+41:24:20	F8 V	0.406	0.087	0.033	0.913	0.007	-0.001	+0.115 <sup>1</sup>
185	HD 10307	01:41:47.1	+42:36:48	G2 V	0.432	0.041	-0.037	0.924	0.004	0.011	+0.064 <sup>1</sup>
186	HD 10380	01:41:25.9	+05:29:15	K3 III	0.761	0.026	-0.111	0.974	0.003	-0.014	
187	HD 10476	01:42:29.8	+20:16:07	K1 V	0.753	0.026	0.045	0.926	0.002	0.003	+0.034 <sup>1</sup>
188	HD 10700	01:44:04.1	-15:56:15	G8 V	0.616	0.048	0.057	0.921	0.004	-0.003	+0.404 <sup>1</sup>
189	HD 10780	01:47:44.8	+63:51:09	K0 V	0.746	0.040	-0.070	0.905	0.003	-0.006	-0.004 <sup>1</sup>
190	HD 10975	01:48:38.9	+37:57:10	K0 III	0.661	0.048	0.043	0.942	0.004	-0.011	
191	HD 11004	01:49:59.4	+62:09:04	F7 V	0.348	0.040		0.936	0.004		
192	HD 12014	01:59:50.9	+59:09:39	K0 Ib	0.992	0.056	0.251	1.107	0.006	0.108	
193	HD 12533	02:03:54.0	+42:19:47	K3 IIb	0.799	0.073	-0.088	0.981	0.007	-0.023	
194	HD 12929	02:07:10.4	+23:27:45	K2 III	0.683	0.026	-0.084	0.953	0.002	-0.012	
195	HD 13043	02:07:34.3	-00:37:03	G2 V	0.529	0.051	0.045	0.900	0.004	-0.022	
196	HD 13161	02:09:32.6	+34:59:14	A5 III	-0.057	0.058		0.940	0.005		
197	HD 13267	02:11:29.2	+57:38:44	B5 Ia	-0.041	0.064		0.929	0.005		
198	HD 13611	02:13:00.0	+08:50:48	G8 Iab	0.510	0.079	-0.061	0.941	0.007	-0.004	
199	HD 13783	02:16:49.2	+64:57:09	G8 V	0.511	0.049	-0.006	0.906	0.004	-0.017	+0.414 <sup>1</sup>
200	HD 13974	02:17:03.2	+34:13:27	G0 V	0.443	0.022	-0.008	0.927	0.002	0.011	+0.174 <sup>1</sup>
201	HD 14134	02:19:04.5	+57:08:08	B3 Ia	-0.111	0.060		0.948	0.005		
202	HD 14662	02:23:51.7	+55:21:54	F7 Ib	0.459	0.062	0.006	0.961	0.006	0.000	
203	HD 14802	02:22:32.5	-23:48:59	G1 V	0.389	0.050	-0.061	0.901	0.004	-0.023	
204	HD 14938	02:24:23.3	-03:06:15	F5	0.152	0.056	-0.109	0.910	0.005	-0.006	+0.115 <sup>1</sup>
205	HD 15596	02:30:54.4	+17:42:14	G5 III-IV	0.535	0.039	0.042	0.945	0.003	-0.004	
206	HD 16160	02:36:04.9	+06:53:13	K3 V	1.058	0.050	0.083	0.944	0.005	0.011	
207	HD 16901	02:44:05.2	+44:17:49	G0 Ib-II	0.565	0.051	-0.073	0.943	0.005	-0.037	
208	HD 17378	02:49:30.7	+57:05:04	A5 Ia	0.036	0.014		0.982	0.001		
209	HD 17491	02:47:55.9	-12:27:38	M4 III	0.452	0.022		1.849	0.005		
210	HD 17548	02:48:51.9	-01:30:35	F8	0.216	0.062	-0.076	0.912	0.005	-0.004	+0.088 <sup>1</sup>
211	HD 17709	02:51:30.8	+35:03:35	K5 III	0.837	0.010	-0.039	1.003	0.001	0.008	
212	HD 18191	02:55:48.5	+18:19:54	M6 III	0.561	0.011		2.042	0.004		
213	HD 18391	02:59:48.7	+57:39:48	G0 Ia	0.834	0.020	0.069	1.037	0.002	0.008	+0.20 <sup>2</sup>
214	HD 19373	03:09:04.0	+49:36:48	G0 V	0.437	0.043	-0.009	0.923	0.004	0.010	+0.020 <sup>1</sup>
215	HD 19445	03:08:25.6	+26:19:51	A4p	0.093	0.047	-0.018	0.917	0.004	-0.009	+0.401 <sup>1</sup>

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
216	HD 19476	03:09:29.8	+44:51:27	K0 III	0.671	0.031	-0.072	0.951	0.003	0.004	
217	HD 20041	03:15:48.0	+57:08:26	A0 Ia	-0.093	0.032		0.963	0.003		
218	HD 20630	03:19:21.7	+03:22:13	G5 V	0.504	0.041	-0.086	0.898	0.003	-0.016	+0.031 <sup>1</sup>
219	HD 20893	03:22:45.2	+20:44:31	K3 III	0.933	0.034	0.050	0.981	0.003	0.006	
220	HD 22049	03:32:55.8	-09:27:30	K2 V	0.738	0.053	-0.040	0.931	0.005	0.007	+0.034 <sup>1</sup>
221	HD 22484	03:36:52.4	+00:24:06	F8 V	0.345	0.033	-0.038	0.911	0.003	-0.005	+0.046 <sup>1</sup>
222	HD 22879	03:40:22.1	-03:13:01	F9 V	0.415	0.027	0.127	0.927	0.002	0.008	+0.399 <sup>1</sup>
223	HD 23249	03:43:14.9	-09:45:48	K0 IV	0.870	0.037	0.183	0.947	0.003	0.007	-0.002 <sup>1</sup>
224	HD 23439 A	03:47:02.1	+41:25:38	K1 V	0.641	0.036	0.140	0.927	0.003	-0.003	+0.49 <sup>2</sup>
225	HD 23439 B	03:47:02.7	+41:25:42	K2 V	0.816	0.037	0.161	0.946	0.003	0.009	+0.61 <sup>2</sup>
226	HD 23841	03:48:30.8	+09:38:45	K1 III	0.613	0.038	0.052	0.972	0.003	-0.001	
227	HD 24451	04:01:19.6	+76:09:34	K4 V	1.061	0.040		0.923	0.004		
228	HD 25329	04:03:15.0	+35:16:24	K1 Vsb	0.415	0.022	-0.032	0.942	0.002	-0.002	+0.470 <sup>1</sup>
229	HD 26297	04:09:03.4	-15:53:27	G5-6 IVw	0.170	0.035	-0.201	0.954	0.003	-0.015	+0.36 <sup>2</sup>
230	HD 26462	04:11:20.3	+05:31:23	F4 V	0.161	0.053	-0.020	0.907	0.004	-0.004	+0.12 <sup>2</sup>
231	HD 26690	04:13:33.1	+07:42:58	F3 V	0.149	0.042	0.011	0.918	0.003	0.005	
232	HD 26965	04:15:16.3	-07:39:10	K1 V	0.764	0.038	0.108	0.909	0.003	-0.020	+0.36 <sup>2</sup>
233	HD 27295	04:19:26.1	+21:08:32	B9 IV	-0.406	0.051	-0.044	0.966	0.004	-0.006	
234	HD 27371	04:19:47.6	+15:37:40	K0 III	0.677	0.030	-0.011	0.952	0.003	0.005	-0.08 <sup>4</sup>
235	HD 27697	04:22:56.1	+17:32:33	K0 III	0.669	0.031	-0.051	0.953	0.003	0.006	
236	HD 28305	04:28:37.0	+19:10:50	G9.5 III	0.735	0.044	-0.008	0.968	0.004	0.017	
237	HD 28307	04:28:34.5	+15:57:44	K0 III	0.809	0.033	0.115	0.955	0.003	0.010	
238	HD 30455	04:48:42.1	+18:42:34	G2 V	0.494	0.033	0.041	0.915	0.003	-0.001	
239	HD 30649	04:51:43.6	+45:50:03	G1 V-VI	0.418	0.031	0.031	0.922	0.003	0.003	+0.310 <sup>1</sup>
240	HD 30652	04:49:50.4	+06:57:41	F6 V	0.497	0.039	0.219	0.925	0.003	0.015	
241	HD 30743	04:49:42.2	-13:46:11	F3-5 V	0.088	0.053	-0.108	0.922	0.004	0.007	+0.216 <sup>1</sup>
242	HD 34334	05:18:10.6	+33:22:18	K3 III	0.744	0.032	-0.012	0.962	0.003	-0.010	
243	HD 34411	05:19:08.5	+40:05:57	G0 V	0.484	0.041	0.013	0.914	0.004	-0.001	+0.071 <sup>1</sup>
244	HD 35369	05:23:56.8	-07:48:29	G8 III	0.489	0.036	-0.118	0.944	0.003	-0.006	
245	HD 35601	05:27:10.2	+29:55:16	M1.5 Ia	1.203	0.026	0.249	1.161	0.003	0.143	
246	HD 35620	05:27:38.9	+34:28:33	K4 IIIp	1.052	0.034	0.187	1.001	0.003	0.022	
247	HD 36003	05:28:26.1	-03:29:58	K5 V	1.091	0.034	-0.039	0.943	0.003	0.007	
248	HD 36079	05:28:14.7	-20:45:34	G5 II	0.394	0.043	-0.112	0.925	0.004	-0.024	
249	HD 36162	05:30:26.2	+15:21:38	A3 Vn	-0.198	0.104		0.956	0.009		
250	HD 37160	05:36:54.4	+09:17:26	G8 III-IV	-0.472	0.255	-1.058	0.919	0.020	-0.034	+0.25 <sup>2</sup>
251	HD 38393	05:44:27.8	-22:26:54	F6 V	0.310	0.056	0.012	0.932	0.005	0.020	+0.032 <sup>1</sup>
252	HD 38656	05:49:10.4	+39:10:52	G8 III	0.438	0.036	-0.164	0.950	0.003	0.002	
253	HD 38751	05:49:01.0	+24:34:03	G8 III	0.721	0.057	-0.034	0.961	0.005	0.001	
254	HD 39587	05:54:23.0	+20:16:34	G0 V	0.428	0.059	-0.047	0.910	0.005	-0.001	-0.030 <sup>1</sup>
255	HD 39801	05:55:10.3	+07:24:25	M2 Iab	1.361	0.028		1.158	0.003		
256	HD 39970	05:56:56.1	+24:14:59	A0 Ia	-0.069	0.068		0.952	0.006		
257	HD 41117	06:03:55.2	+20:08:18	B2 Iave	-0.130	0.036		0.918	0.003		
258	HD 41597	06:09:59.0	+58:56:08	G8 III	0.479	0.035	-0.085	0.973	0.003	0.020	
259	HD 41636	06:08:23.1	+41:03:21	G9 III	0.686	0.044	0.008	0.963	0.004	0.009	
260	HD 41692	06:06:38.7	-04:11:38	B5 IV	-0.223	0.059	0.107	0.949	0.005	-0.005	
261	HD 42475	06:11:51.4	+21:52:06	M1 Iab	1.155	0.056	0.230	1.141	0.007	0.127	
262	HD 43318	06:15:34.3	-00:30:44	F6 V	0.360	0.081	0.086	0.896	0.007	-0.020	+0.059 <sup>1</sup>
263	HD 44007	06:18:48.5	-14:50:43	G5 IVw	0.192	0.049	-0.055	0.962	0.004	0.024	+0.31 <sup>3</sup>
264	HD 45282	06:26:40.8	+03:25:30	G0	0.154	0.045	-0.046	0.949	0.004	0.021	+0.218 <sup>1</sup>
265	HD 46687	06:36:32.8	+38:26:44	C II	0.438	0.039		1.393	0.010		
266	HD 46703	06:37:52.4	+53:31:02	F7 IVw	0.102	0.053	-0.201	0.952	0.004	-0.008	
267	HD 47205	06:36:41.0	-19:15:21	K1 IV	0.903	0.064	0.142	0.944	0.006	-0.005	
268	HD 47914	06:43:05.0	+44:31:28	K5 III	0.937	0.042	0.033	0.997	0.004	0.006	
269	HD 48433	06:43:59.3	+13:13:41	K1 III	0.723	0.043	-0.038	0.966	0.004	-0.005	
270	HD 48682	06:46:44.3	+43:34:39	G0 V	0.503	0.062	0.084	0.919	0.005	0.004	

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Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
271	HD 49161	06:47:19.8	+08:02:14	K4 III	1.006	0.033	0.071	0.982	0.003	-0.011	
272	HD 49293	06:47:51.6	+02:24:44	K0 III	0.734	0.041	-0.043	0.973	0.004	0.009	
273	HD 50778	06:54:11.4	-12:02:19	K4 III	0.865	0.032	0.012	0.975	0.003	-0.007	
274	HD 51440	06:59:02.8	+38:03:08	K2 III	0.722	0.012	0.000	0.959	0.001	-0.005	
275	HD 52005	07:00:15.8	+16:04:44	K4 Iab	1.065	0.034	0.033	1.008	0.003	-0.038	
276	HD 52973	07:04:06.5	+20:34:13	G0 Ib var	0.096	0.063	-0.478	0.934	0.005	-0.026	
277	HD 54300	07:08:42.6	+10:01:26	Spe	0.115	0.085		1.297	0.012		
278	HD 54716	07:11:39.3	+39:19:14	K4 Iab	0.810	0.054	-0.061	0.950	0.005	-0.034	
279	HD 54719	07:11:08.4	+30:14:43	K2 III	0.902	0.033	0.004	0.968	0.003	-0.013	
280	HD 54810	07:10:13.7	-04:14:14	K0 III	0.399	0.045	-0.238	0.946	0.004	-0.010	
281	HD 55575	07:15:50.1	+47:14:24	G0 V	0.193	0.034	-0.194	0.910	0.003	-0.004	+0.144 <sup>1</sup>
282	HD 57060	07:18:40.4	-24:33:31	07 Ia	-0.185	0.085		0.881	0.006		
283	HD 57061	07:18:42.5	-24:57:16	09 Ib	-0.003	0.078		0.887	0.006		
284	HD 57118	07:19:01.9	-19:16:50	F0 Ia	0.230	0.039		0.971	0.003		
285	HD 57264	07:22:02.6	+36:45:38	G8 III	0.666	0.050	0.004	0.962	0.005	0.009	
286	HD 58207	07:25:43.6	+27:47:53	K0 III	0.632	0.027	-0.052	0.944	0.002	-0.008	
287	HD 58551	07:26:50.3	+21:32:08	F6 V	0.118	0.043	-0.111	0.908	0.003	-0.008	+0.184 <sup>1</sup>
288	HD 58972	07:28:09.8	+08:55:32	K3 III	0.720	0.028	-0.115	0.964	0.003	-0.013	
289	HD 59612	07:29:51.4	-23:01:27	A5 Ib	-0.036	0.045	-0.095	0.940	0.004	-0.020	
290	HD 60179	07:34:35.9	+31:53:18	A1 V	-0.222	0.050	0.081	0.967	0.004	-0.009	
291	HD 60522	07:35:55.3	+26:53:45	M0 III-IIIb	0.903	0.011	0.018	1.004	0.001	0.004	
292	HD 61603	07:40:58.5	+23:01:07	K5 III	0.798	0.035	-0.045	0.990	0.003	-0.010	
293	HD 61913	07:42:03.2	+14:12:31	M3 II-III	0.688	0.036		1.141	0.004		
294	HD 61935	07:41:14.8	-09:33:04	K0 III	0.743	0.038	0.039	0.957	0.004	0.003	
295	HD 62345	07:44:26.9	+24:23:53	G8 IIIa	0.648	0.059	0.026	0.963	0.005	0.017	
296	HD 62721	07:46:07.4	+18:30:36	K5 III	0.724	0.026	-0.140	0.983	0.002	-0.002	
297	HD 63302	07:47:38.5	-15:59:26	K3 Iab	1.141	0.032	0.053	1.057	0.004	0.007	
298	HD 63352	07:49:01.8	+13:22:19	K0 III	0.477	0.036	-0.290	0.960	0.003	-0.008	
299	HD 63700	07:49:17.7	-24:51:35	G6 Ia	0.893	0.061	0.050	0.906	0.005	-0.083	
300	HD 64606	07:54:34.2	-01:24:44	G8 V	0.469	0.041	0.029	0.926	0.003	-0.003	+0.410 <sup>1</sup>
301	HD 65583	08:00:32.1	+29:12:44	G8 V	0.540	0.029	-0.018	0.926	0.002	0.002	+0.246 <sup>1</sup>
302	HD 65714	08:00:55.9	+25:23:34	G8 III	0.663	0.048	-0.197	0.946	0.004	-0.035	
303	HD 66141	08:02:15.9	+02:20:04	K2 III	0.637	0.028	-0.148	0.943	0.003	-0.031	
304	HD 69267	08:16:30.9	+09:11:08	K4 III	0.869	0.026	-0.021	0.966	0.003	-0.022	
305	HD 69897	08:20:03.9	+27:13:04	F6 V	0.208	0.045	-0.060	0.915	0.004	0.001	+0.165 <sup>1</sup>
306	HD 70272	08:22:50.1	+43:11:17	K5 III	0.797	0.021	-0.097	0.986	0.002	-0.010	
307	HD 72184	08:32:55.0	+38:00:59	K2 III	0.745	0.041	-0.077	0.971	0.004	0.013	
308	HD 72324	08:33:00.1	+24:05:05	G9 III	0.663	0.050	-0.093	0.943	0.004	-0.017	
309	HD 72905	08:39:11.7	+65:01:15	G1.5 Vb	0.422	0.041	-0.045	0.927	0.004	0.016	+0.031 <sup>1</sup>
310	HD 73394	08:40:22.5	+51:45:07	G5 IIIw	0.359	0.037	-0.080	0.955	0.003	-0.015	+0.35 <sup>2</sup>
311	HD 73471	08:38:45.4	+03:20:29	K2 III	0.823	0.037	-0.048	0.961	0.004	-0.012	
312	HD 73593	08:41:01.1	+45:50:02	G8 IV	0.406	0.038	-0.291	0.931	0.003	-0.028	
313	HD 73665	08:40:06.4	+20:00:28	K0 III	0.566	0.039	-0.144	0.950	0.004	-0.004	
314	HD 73710	08:40:22.1	+19:40:12	K0 III	0.635	0.041	-0.139	0.955	0.004	-0.001	
315	HD 74000	08:40:50.8	-16:20:43	F6 VI	-0.356	0.182	-0.429	0.931	0.014	0.006	+0.377 <sup>1</sup>
316	HD 74377	08:45:10.4	+41:40:19	K3 V	0.916	0.061	0.012	0.930	0.006	0.004	
317	HD 74395	08:43:40.4	-07:14:01	G2 Iab	0.669	0.037	0.019	0.942	0.003	-0.030	
318	HD 74442	08:44:41.1	+18:09:16	K0 III	0.717	0.034	-0.028	0.960	0.003	0.003	
319	HD 74462	08:48:20.7	+67:27:00	G5 IV	0.373	0.036	-0.006	0.947	0.003	-0.012	+0.33 <sup>2</sup>
320	HD 75732	08:52:35.8	+28:19:51	G8 V	1.001	0.049	0.156	0.908	0.004	-0.014	+0.088 <sup>1</sup>
321	HD 76932	08:58:43.9	-16:07:58	F7-8 IV-V	0.171	0.041	-0.045	0.919	0.003	-0.001	+0.392 <sup>1</sup>
322	HD 78418	09:08:47.3	+26:37:45	G5 IV-V	0.448	0.044	-0.034	0.903	0.004	-0.014	+0.16 <sup>2</sup>
323	HD 79211	09:14:24.7	+52:41:11	M0 V	0.691	0.059	-0.134	0.971	0.005	0.010	
324	HD 81797	09:27:35.2	-08:39:31	K3 II-III	0.691	0.091	-0.208	0.970	0.008	-0.018	
325	HD 82210	09:34:28.9	+69:49:49	G4 III-IV	0.356	0.031	-0.159	0.923	0.003	-0.011	

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
326	HD 82328	09:32:51.4	+51:40:38	F6 IV	0.276	0.026	0.040	0.918	0.002	0.001	+0.014 <sup>1</sup>
327	HD 82885	09:35:39.5	+35:48:36	G8 IV–V	0.744	0.041	0.075	0.915	0.004	0.003	
328	HD 83618	09:39:51.4	−01:08:34	K3 III	0.775	0.059	−0.089	0.968	0.006	−0.013	
329	HD 84441	09:45:51.1	+23:46:27	G1 II	0.432	0.040	−0.119	0.935	0.003	−0.019	
330	HD 84737	09:48:35.4	+46:01:16	G2V	0.464	0.063	0.013	0.920	0.005	0.005	+0.113 <sup>1</sup>
331	HD 84937	09:48:56.1	+13:44:39	F5 VI	0.020	0.041	−0.007	0.916	0.003	−0.008	+0.440 <sup>1</sup>
332	HD 85503	09:52:45.8	+26:00:25	K0 III	0.924	0.031	0.022	0.968	0.003	0.001	
333	HD 86728	10:01:00.7	+31:55:25	G1 V	0.525	0.051	−0.003	0.917	0.004	0.002	+0.114 <sup>1</sup>
334	HD 87140	10:04:43.2	+54:20:43	K0	0.124	0.089	−0.054	0.928	0.007	−0.003	+0.24 <sup>4</sup>
335	HD 87737	10:07:20.0	+16:45:46	A0 Ib	−0.143	0.049	−0.083	0.923	0.004	−0.032	
336	HD 88230	10:11:22.1	+49:27:15	K7 V	0.923	0.025	0.091	0.945	0.002	−0.007	
337	HD 88284	10:10:35.3	−12:21:15	K0 III	0.750	0.039	0.023	0.956	0.004	0.010	+0.18 <sup>2</sup>
338	HD 88609	10:14:29.0	+53:33:39	G5 III <sub>we</sub>	0.049	0.060	0.040	0.937	0.005	−0.003	
339	HD 89010	10:16:32.3	+23:30:11	G2 IV	0.401	0.050	−0.080	0.910	0.004	−0.009	+0.086 <sup>1</sup>
340	HD 89025	10:16:41.4	+23:25:02	F0 III	0.159	0.052		0.940	0.004		
341	HD 89449	10:19:44.2	+19:28:15	F6 IV	0.162	0.053	−0.175	0.910	0.004	−0.003	+0.066 <sup>1</sup>
342	HD 90508	10:28:03.9	+48:47:06	G1 V	0.368	0.057	−0.078	0.904	0.005	−0.010	+0.226 <sup>1</sup>
343	HD 93487	10:47:55.5	+23:20:07	F8	0.142	0.067	−0.190	0.930	0.005	−0.012	
344	HD 94028	10:51:28.1	+20:16:39	F4 V	0.139	0.059	−0.001	0.916	0.005	−0.006	+0.451 <sup>1</sup>
345	HD 94247	10:53:34.5	+54:35:06	K3 III	0.762	0.030	−0.050	0.979	0.003	0.008	
346	HD 94705	10:56:01.5	+06:11:07	M5.5 III	0.651	0.027		1.951	0.007		
347	HD 95128	10:59:28.0	+40:25:49	G0 V	0.475	0.040	−0.011	0.917	0.003	0.005	+0.046 <sup>1</sup>
348	HD 95272	10:59:46.5	−18:17:56	K0 III	0.615	0.036	−0.143	0.949	0.003	−0.011	+0.14 <sup>2</sup>
349	HD 97907	11:15:51.9	+13:18:27	K3 III	0.655	0.044	−0.169	0.968	0.004	−0.003	
350	HD 98230/1	11:18:10.9	+31:31:45	G0 V	0.354	0.018	−0.054	0.929	0.002	0.015	
351	HD 101501	11:41:03.0	+34:12:06	G8 V	0.555	0.026	−0.096	0.930	0.002	0.014	
352	HD 102224	11:46:03.0	+47:46:46	K0 III	0.698	0.051	−0.004	0.974	0.005	0.007	
353	HD 102328	11:46:55.6	+55:37:41	K3 III	1.003	0.032	0.043	0.996	0.003	0.020	
354	HD 102634	11:49:01.3	−00:19:07	F7 V	0.381	0.058	0.021	0.904	0.005	−0.008	−0.028 <sup>1</sup>
355	HD 102870	11:50:41.7	+01:45:53	F8 V	0.546	0.037	0.136	0.917	0.003	0.005	−0.007 <sup>1</sup>
356	HD 103095	11:52:58.8	+37:43:07	G8 V <sub>p</sub>	0.440	0.046	−0.016	0.930	0.004	−0.005	+0.341 <sup>1</sup>
357	HD 103736	11:56:53.2	+61:32:57	G8 III	0.645	0.048		0.957	0.004		
358	HD 103799	11:57:14.6	+40:20:37	F6 V	0.268	0.060	0.063	0.924	0.005	0.006	
359	HD 103877	11:57:42.4	+17:28:04	Am	0.267	0.047	0.120	0.925	0.004	0.008	−0.23 <sup>2</sup>
360	HD 104985	12:05:15.1	+76:54:21	G9 III	0.654	0.037	0.016	0.962	0.003	0.004	
361	HD 105546	12:09:02.7	+59:01:05	G2 III <sub>w</sub>	0.119	0.058	−0.081	0.938	0.005	0.008	+0.07 <sup>2</sup>
362	HD 106516	12:15:10.6	−10:18:45	F5 V	0.206	0.047	−0.007	0.903	0.004	−0.013	+0.335 <sup>1</sup>
363	HD 107213	12:19:29.5	+28:09:25	F8 V <sub>s</sub>	0.391	0.053	0.027	0.918	0.005	0.004	+0.133 <sup>1</sup>
364	HD 107328	12:20:21.0	+03:18:45	K0 III <sub>b</sub>	0.775	0.028	0.054	0.966	0.003	0.002	
365	HD 107752	12:22:52.7	+11:36:25	G5	0.091	0.109	0.015	0.923	0.009	−0.021	+0.62 <sup>2</sup>
366	HD 107950	12:24:01.5	+51:33:44	G6III	0.601	0.031	0.005	0.962	0.003	0.013	
367	HD 108177	12:25:35.0	+01:17:02	F5 VI	0.026	0.100	−0.072	0.916	0.008	−0.007	+0.325 <sup>1</sup>
368	HD 108317	12:26:36.8	+05:18:09	G0	0.072	0.064	0.027	0.917	0.005	−0.009	+0.47 <sup>2</sup>
369	HD 109995	12:38:47.6	+39:18:32	A0 V (HB)	−0.094	0.062	0.042	0.955	0.005	0.012	
370	HD 110184	12:40:14.1	+08:31:38	G5	0.222	0.030	0.043	0.953	0.003	−0.013	+0.38 <sup>2</sup>
371	HD 110411	12:41:53.1	+10:14:08	A0 V	−0.312	0.037	−0.064	0.959	0.003	−0.008	
372	HD 110897	12:44:59.4	+39:16:44	G0 V	0.357	0.045	0.011	0.913	0.004	−0.004	+0.210 <sup>1</sup>
373	HD 111721	12:51:25.2	−13:29:28	G6 V	0.196	0.058	−0.122	0.934	0.005	−0.002	
374	HD 112014	12:49:06.7	+83:25:04	A0 V	−0.194	0.036		0.997	0.003		
375	HD 112028	12:49:13.7	+83:24:46	A1 III	−0.239	0.046		0.963	0.004		
376	HD 112412	12:56:00.5	+38:18:54	F0 V	0.064	0.051	−0.159	0.927	0.004	0.013	
377	HD 112413	12:56:01.7	+38:19:06	A0 spe	−0.307	0.040	−0.024	0.971	0.003	−0.005	
378	HD 112989	13:00:16.5	+30:47:06	G9 III	0.745	0.029	−0.085	0.980	0.003	0.023	
379	HD 113092	12:59:55.1	+66:35:50	K2 III	0.665	0.052	0.015	0.966	0.005	−0.001	
380	HD 113139	13:00:43.7	+56:21:59	F2 V	0.206	0.039	0.010	0.925	0.003	0.011	

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Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
381	HD 113226	13:02:10.6	+10:57:33	G8 IIIvar	0.734	0.049	0.059	0.922	0.004	-0.023	+0.06 <sup>2</sup>
382	HD 113285	13:02:38.0	+05:11:08	M8 III	0.146	0.021		2.562	0.007		
383	HD 113848	13:06:21.2	+21:09:12	F4 V	0.214	0.045	0.056	0.915	0.004	-0.001	
384	HD 114710	13:11:52.4	+27:52:41	G0 V	0.466	0.043	0.009	0.929	0.004	0.019	-0.007 <sup>1</sup>
385	HD 114762	13:12:19.7	+17:31:02	F9 V	0.169	0.051	-0.113	0.905	0.004	-0.014	+0.287 <sup>1</sup>
386	HD 114946	13:14:10.9	-19:55:51	G6 V	0.353	0.046	-0.328	0.941	0.004	0.003	
387	HD 114961	13:14:04.4	-02:48:25	M7 III	0.460	0.024	0.175	2.641	0.008	0.025	
388	HD 115043	13:13:37.0	+56:42:30	G1 V	0.392	0.038	-0.042	0.901	0.003	-0.011	
389	HD 115444	13:16:42.5	+36:22:53	K0	0.044	0.067	0.042	0.941	0.006	0.011	+0.36 <sup>2</sup>
390	HD 115604	13:17:32.5	+40:34:21	F3 III	0.096	0.041	-0.027	0.936	0.004	0.011	
391	HD 115617	13:18:24.3	-18:18:40	G6 V	0.496	0.038	-0.091	0.904	0.003	-0.012	+0.045 <sup>1</sup>
392	HD 116114	13:21:46.3	-18:44:32	Ap	0.005	0.051	-0.016	0.912	0.004	-0.028	
393	HD 116842	13:25:13.5	+54:59:17	A5 V	-0.095	0.038		0.953	0.003		
394	HD 117176	13:28:25.8	+13:46:44	G5 V	0.586	0.037	0.110	0.900	0.003	-0.027	+0.077 <sup>1</sup>
395	HD 118055	13:34:39.9	-16:19:23	K0 IIIw	0.276	0.053	-0.147	0.947	0.005	-0.039	
396	HD 120136	13:47:15.7	+17:27:25	F7 V	0.343	0.027	-0.027	0.891	0.002	-0.021	+0.006 <sup>1</sup>
397	HD 120452	13:49:52.3	-18:08:03	K0.5 III-IIIb	0.739	0.035	0.004	0.967	0.003	0.014	
398	HD 120933	13:51:47.5	+34:26:39	K5 III	0.783	0.025	-0.075	1.095	0.003	0.089	
399	HD 121146	13:50:59.1	+68:18:55	K2 IV	0.772	0.036	-0.029	0.982	0.003	0.029	
400	HD 121370	13:54:41.1	+18:23:52	G0 IV	0.447	0.023	0.029	0.916	0.002	-0.004	+0.098 <sup>1</sup>
401	HD 121447	13:55:47.0	-18:14:56	K4 III	0.736	0.059	-0.246	0.927	0.005	-0.089	
402	HD 122563	14:02:31.8	+09:41:10	F8 IV	0.135	0.085	0.091	0.952	0.007	0.010	+0.47 <sup>2</sup>
403	HD 122956	14:05:13.0	-14:51:25	G6 IV-Vw	0.256	0.056	0.000	0.940	0.005	-0.011	
404	HD 123299	14:04:23.3	+64:22:33	A0 III	-0.213	0.038	0.106	0.990	0.003	0.014	
405	HD 123657	14:07:55.8	+43:51:16	M4 III	0.715	0.025	0.037	1.358	0.003	-0.049	
406	HD 124186	14:11:15.1	+32:17:45	K4 III	1.048	0.056	0.121	0.979	0.005	0.004	
407	HD 124547	14:08:50.9	+77:32:51	K3 III	0.781	0.068	-0.152	0.996	0.007	0.011	
408	HD 124850	14:16:00.9	-06:00:02	F7 IV	0.301	0.054	0.002	0.912	0.005	-0.005	+0.113 <sup>1</sup>
409	HD 124897	14:15:39.7	+19:10:57	K2 IIIp	0.931	0.015	0.241	0.981	0.001	0.013	+0.03 <sup>2</sup>
410	HD 125454	14:19:32.5	-02:15:56	G9 III	0.738	0.026	0.072	0.958	0.002	0.007	
411	HD 125560	14:19:45.2	+16:18:25	K3 III	0.928	0.028	0.051	0.970	0.002	-0.003	
412	HD 126327	14:24:11.6	+25:42:13	M7.5 III	-0.034	0.022	-0.304	2.693	0.008	0.069	
413	HD 126660	14:25:11.8	+51:51:03	F7 V	0.355	0.038	0.121	0.921	0.003	0.003	
414	HD 126681	14:27:24.9	-18:24:40	G3 V	0.394	0.079	0.041	0.899	0.006	-0.024	+0.318 <sup>1</sup>
415	HD 127243	14:28:37.8	+49:50:41	G3 IV	0.430	0.043	-0.058	0.942	0.004	0.004	
416	HD 127665	14:31:49.8	+30:22:17	K3 III	0.836	0.043	-0.017	0.978	0.004	0.000	
417	HD 127762	14:32:04.7	+38:18:30	A7 III	-0.005	0.038		0.950	0.003		
418	HD 128167	14:34:40.8	+29:44:42	F2 V	0.159	0.045	0.036	0.923	0.004	0.011	-0.018 <sup>1</sup>
419	HD 129312	14:41:38.8	+08:09:42	G8 III	0.659	0.065	-0.012	0.948	0.006	-0.004	+0.18 <sup>2</sup>
420	HD 130109	14:46:14.9	+01:53:34	A0 V	-0.357	0.037		0.972	0.003		
421	HD 130694	14:50:17.3	-27:57:37	K4 III	0.754	0.061	-0.095	0.986	0.006	0.004	
422	HD 130705	14:49:26.2	+10:02:39	K4 II-III	0.966	0.074	-0.010	0.978	0.007	0.001	
423	HD 131918	14:56:46.1	-11:24:35	K4 III	0.771	0.081	-0.153	0.967	0.008	-0.028	
424	HD 131976	14:57:26.5	-21:24:41	M1 V	0.612	0.056		1.009	0.005		
425	HD 131977	14:57:28.0	-21:24:56	K4 V	0.943	0.064	-0.212	0.924	0.006	-0.008	+0.124 <sup>1</sup>
426	HD 132142	14:55:11.1	+53:40:49	K1 V	0.710	0.054	0.083	0.927	0.005	0.000	+0.344 <sup>1</sup>
427	HD 132345	14:58:53.6	-11:08:38	K3 III-IVp	1.009	0.086	-0.009	0.940	0.008	-0.051	
428	HD 132475	14:59:49.8	-22:00:46	F6 V	0.169	0.075	0.042	0.904	0.006	-0.020	+0.483 <sup>1</sup>
429	HD 132933	15:01:48.9	-00:08:25	M0.5 IIb	0.719	0.072		1.026	0.007		
430	HD 134063	15:07:15.4	+22:33:52	G5 III	0.515	0.044	0.038	0.952	0.004	0.004	
431	HD 134083	15:07:18.1	+24:52:09	F5 V	0.200	0.045	-0.037	0.912	0.004	0.002	
432	HD 134169	15:08:18.1	+03:55:50	G1 Vw	0.212	0.046	-0.018	0.917	0.004	-0.004	+0.310 <sup>1</sup>
433	HD 134439	15:10:13.1	-16:22:46	K0 V	0.389	0.079	-0.134	0.907	0.007	-0.030	+0.002 <sup>1</sup>
434	HD 134440	15:10:13.0	-16:27:47	K3 V-VI	0.519	0.093	-0.032	0.922	0.008	-0.021	+0.193 <sup>1</sup>
435	HD 135148	15:13:17.5	+12:27:26	K0	0.458	0.069	0.083	0.979	0.006	-0.016	+0.38 <sup>2</sup>



Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
436	HD 135722	15:15:30.2	+33:18:53	G8 III	0.562	0.034	0.010	0.944	0.003	-0.004	
437	HD 136028	15:18:26.1	-00:27:40	K5 III	0.828	0.079	-0.066	0.974	0.008	-0.007	
438	HD 136202	15:19:18.8	+01:45:55	F8 III-IV	0.283	0.052	-0.038	0.909	0.004	-0.008	+0.046 <sup>1</sup>
439	HD 136479	15:21:07.6	-05:49:29	K1 III	0.813	0.034	0.016	0.951	0.003	-0.005	
440	HD 136726	15:17:05.9	+71:49:26	K4 III	0.979	0.056	0.070	0.982	0.005	0.001	
441	HD 137391	15:24:29.4	+37:22:38	F0 V	0.103	0.040	-0.032	0.929	0.003	0.015	
442	HD 137471	15:25:47.4	+15:25:41	M1 III	0.953	0.035		1.007	0.003		
443	HD 137759	15:24:55.8	+58:57:58	K2 III	0.745	0.042	-0.088	0.971	0.004	0.007	
444	HD 138279	15:31:01.9	+01:41:02	F5	0.035	0.088	-0.010	0.949	0.007	0.031	+0.19 <sup>2</sup>
445	HD 138481	15:30:55.8	+40:49:59	K5 III	0.828	0.075	-0.065	1.007	0.007	0.012	
446	HD 139669	15:31:24.9	+77:20:58	K5 III	1.036	0.069	0.150	1.030	0.007	0.039	
447	HD 140283	15:43:03.1	-10:56:01	F3 VI	0.033	0.053	0.003	0.918	0.004	-0.005	+0.293 <sup>1</sup>
448	HD 140573	15:44:16.1	+06:25:32	K2 III	0.928	0.049	0.060	0.973	0.005	0.009	-0.09 <sup>4</sup>
449	HD 141004	15:46:26.6	+07:21:11	G0 Vvar	0.380	0.041	-0.036	0.926	0.003	0.011	+0.097 <sup>1</sup>
450	HD 141144	15:47:26.9	+01:32:45	K0 III	0.721	0.044		0.966	0.004		
451	HD 141680	15:50:17.5	+02:11:47	G8 III	0.656	0.056	-0.011	0.951	0.005	-0.003	
452	HD 141714	15:49:35.6	+26:04:06	G3.5 III	0.445	0.026	-0.056	0.942	0.002	0.007	
453	HD 142091	15:51:13.9	+35:39:27	K0 III-IV	0.740	0.059	-0.007	0.961	0.005	0.016	
454	HD 142373	15:52:40.5	+42:27:05	F9 V	0.233	0.048	-0.120	0.925	0.004	0.007	+0.139 <sup>1</sup>
455	HD 142860	15:56:27.2	+15:39:42	F6 V	0.281	0.045	0.000	0.916	0.004	0.002	+0.070 <sup>1</sup>
456	HD 142980	15:57:14.6	+14:24:52	K1 IV	0.989	0.071	0.147	0.951	0.007	-0.006	
457	HD 143107	15:57:35.3	+26:52:40	K3 III	0.800	0.042	0.005	0.971	0.004	-0.001	
458	HD 143761	16:01:02.7	+33:18:13	G2 V	0.420	0.045	-0.016	0.922	0.004	0.006	+0.150 <sup>1</sup>
459	HD 144585	16:07:03.4	-14:04:17	G5 V	0.636	0.049	0.108	0.903	0.004	-0.014	+0.041 <sup>1</sup>
460	HD 144872	16:06:29.6	+38:37:56	K3 V	0.857	0.061	-0.061	0.943	0.006	0.011	
461	HD 145148	16:09:11.2	+06:22:43	K0 IV	0.817	0.054	0.031	0.927	0.005	-0.014	-0.022 <sup>1</sup>
462	HD 145328	16:08:58.3	+36:29:27	K0 III	0.708	0.013	0.002	0.956	0.001	0.007	
463	HD 145675	16:10:24.3	+43:49:04	K0 V	0.938	0.045	0.083	0.930	0.004	0.017	+0.046 <sup>1</sup>
464	HD 146051	16:14:20.7	-03:41:40	M0.5 III	0.818	0.039	-0.054	1.024	0.004	0.027	
465	HD 147379 A			M0 V	0.973	0.082	0.230	0.966	0.008	-0.001	
466	HD 147379 B	16:16:44.8	+67:15:21	M3 V	0.556	0.081		1.087	0.009		
467	HD 147677	16:22:05.8	+30:53:31	K0 III	0.705	0.063	0.031	0.960	0.006	0.013	
468	HD 148513	16:28:34.0	+00:39:54	K4 IIIp	0.876	0.063	-0.030	0.999	0.006	0.012	
469	HD 148743	16:30:30.0	-07:30:52	A7 Ib	0.193	0.036	-0.010	0.944	0.003	-0.012	+0.16 <sup>2</sup>
470	HD 148783	16:28:38.5	+41:52:54	M6 III	0.660	0.036	0.109	2.100	0.010	-0.075	
471	HD 148816	16:30:28.5	+04:10:42	F9 V	0.228	0.049	-0.064	0.906	0.004	-0.013	+0.341 <sup>1</sup>
472	HD 149009	16:31:13.4	+22:11:44	K5 III	0.968	0.066	0.107	1.014	0.007	0.023	
473	HD 149161	16:32:36.3	+11:29:17	K4 III	0.903	0.071	0.034	0.984	0.007	-0.005	
474	HD 149414	16:34:42.4	-04:13:45	G5 V	0.458	0.069	-0.021	0.914	0.006	-0.023	+0.536 <sup>1</sup>
475	HD 149661	16:36:21.4	-02:19:29	K0 V	1.040	0.172	0.224	0.939	0.016	0.020	+0.024 <sup>1</sup>
476	HD 150177	16:39:39.1	-09:33:17	F3 V	0.153	0.042	-0.090	0.914	0.004	-0.004	+0.163 <sup>1</sup>
477	HD 150275	16:30:38.8	+77:26:48	K1 III	0.548	0.092	-0.032	0.955	0.008	0.002	
478	HD 151203	16:45:22.5	+15:44:43	M3 IIIab	0.912	0.033		1.126	0.004		
479	HD 151217	16:45:49.9	+08:34:57	K5 III	1.038	0.066	0.132	1.002	0.007	0.013	
480	HD 152792	16:53:32.3	+42:49:29	G0 V	0.401	0.057	-0.062	0.920	0.005	0.001	
481	HD 153210	16:57:40.1	+09:22:30	K2 III	0.891	0.062	0.071	0.975	0.006	0.011	
482	HD 153597	16:56:01.7	+65:08:05	F6 Vvar	0.352	0.055	0.024	0.925	0.005	0.014	+0.035 <sup>1</sup>
483	HD 154783	17:08:47.5	-30:24:13	Am	0.061	0.069	0.031	0.888	0.005	-0.043	
484	HD 155358	17:09:34.6	+33:21:21	G0	0.252	0.060	-0.041	0.924	0.005	0.005	+0.218 <sup>1</sup>
485	HD 156014	17:14:38.9	+14:23:25	M5 Ib-II	0.551	0.024		2.027	0.005		
486	HD 157089	17:21:07.1	+01:26:35	F9 V	0.370	0.051	0.040	0.917	0.004	-0.002	+0.264 <sup>1</sup>
487	HD 157214	17:20:39.6	+32:28:04	G0 V	0.440	0.050	0.021	0.921	0.004	0.003	+0.313 <sup>1</sup>
488	HD 157881	17:25:45.2	+02:06:41	K7 V	0.838	0.101	-0.185	0.942	0.009	0.001	
489	HD 157910	17:24:27.1	+36:57:07	G5 III	0.514	0.045	-0.052	0.949	0.004	-0.006	
490	HD 159181	17:30:26.0	+52:18:05	G2 Iab	0.525	0.056	-0.133	0.947	0.005	-0.018	

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Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
491	HD 159307	17:34:08.4	-03:03:20	F8	0.189	0.045	0.031	0.920	0.004	0.002	+0.178 <sup>1</sup>
492	HD 159332	17:33:22.8	+19:15:24	F6 V	0.285	0.036	0.022	0.923	0.003	0.006	+0.119 <sup>1</sup>
493	HD 159561	17:34:56.1	+12:33:36	A5 III	-0.091	0.035	-0.028	0.947	0.003	0.008	
494	HD 160365	17:38:57.9	+13:19:45	F6 III	0.259	0.037		0.926	0.003		
495	HD 160693	17:39:36.9	+37:11:02	G0 V	0.402	0.058	0.075	0.913	0.005	-0.006	+0.353 <sup>1</sup>
496	HD 161797	17:46:27.5	+27:43:14	G5 IV	0.556	0.048	-0.066	0.927	0.004	0.004	+0.006 <sup>1</sup>
497	HD 161817	17:46:40.6	+25:44:57	A2 VI (HB)	0.000	0.037	0.127	0.962	0.003	0.029	
498	HD 162211	17:48:49.1	+25:37:22	K2 III	0.833	0.051	0.005	0.967	0.005	0.004	
499	HD 162555	17:50:22.9	+29:19:20	K1 III	0.664	0.066	-0.051	0.960	0.006	0.003	
500	HD 163506	17:55:25.2	+26:03:00	F2 Ibe	0.138	0.066	-0.232	0.895	0.005	-0.050	+0.40 <sup>2</sup>
501	HD 163588	17:53:31.7	+56:52:22	K2 III	0.779	0.038	-0.045	0.968	0.003	0.002	
502	HD 163993	17:57:45.9	+29:14:52	G8 III	0.560	0.055	-0.093	0.944	0.005	-0.001	-0.12 <sup>2</sup>
503	HD 164058	17:56:36.4	+51:29:20	K5 III	0.891	0.042	0.005	0.995	0.004	0.002	
504	HD 164136	17:58:30.1	+30:11:21	F2 II	0.182	0.091	0.089	0.933	0.008	0.002	
505	HD 164259	18:00:29.0	-03:41:25	F3 V	0.242	0.051	0.078	0.894	0.004	-0.019	
506	HD 164349	18:00:03.4	+16:45:03	K0.5 IIb	0.807	0.044	-0.207	0.995	0.004	0.003	
507	HD 164353	18:00:38.7	+02:55:54	B5 Ib	-0.160	0.036		0.908	0.003		
508	HD 165195	18:04:40.1	+03:46:45	K3p	0.509	0.102	0.328	1.050	0.010	0.096	+0.36 <sup>3</sup>
509	HD 165401	18:05:37.5	+04:39:26	G0 V	0.510	0.038	0.113	0.922	0.003	0.004	+0.306 <sup>1</sup>
510	HD 165760	18:07:18.4	+08:44:02	G8 III-IV	0.659	0.017	-0.001	0.950	0.002	0.001	
511	HD 165908	18:07:01.5	+30:33:44	F7 V	0.367	0.056	0.062	0.915	0.005	-0.002	+0.137 <sup>1</sup>
512	HD 166161	18:09:40.7	-08:46:46	G5	0.293	0.033	-0.013	0.964	0.003	0.023	+0.22 <sup>2</sup>
513	HD 166207	18:06:53.5	+50:49:22	K0 III	0.732	0.105	-0.020	0.978	0.010	0.017	
514	HD 166229	18:08:02.2	+36:24:05	K2.5 III	0.884	0.058	0.047	0.974	0.006	0.009	
515	HD 166620	18:09:37.4	+38:27:28	K2 V	0.927	0.063	0.136	0.936	0.006	0.008	+0.134 <sup>1</sup>
516	HD 167006	18:11:54.2	+31:24:19	M3 III	0.837	0.091	0.174	1.080	0.010	-0.022	
517	HD 167042	18:10:31.6	+54:17:12	K1 III	0.655	0.056	0.006	0.932	0.005	-0.007	
518	HD 167768	18:16:53.1	-03:00:27	G3 III	0.446	0.060	-0.012	0.936	0.005	-0.017	
519	HD 168322	18:17:06.8	+40:56:12	G8.5 IIIb	0.611	0.047	0.062	0.951	0.004	-0.003	
520	HD 168656	18:20:52.1	+03:22:38	G8 III	0.490	0.049	-0.104	0.954	0.004	0.012	
521	HD 168720	18:20:17.9	+21:57:41	M1 III	0.963	0.079	0.098	1.005	0.008	0.000	
522	HD 168775	18:19:51.7	+36:03:52	K2 III	0.798	0.027	-0.029	0.973	0.002	0.004	
523	HD 169191	18:22:49.0	+17:49:36	K3 III	0.709	0.057	-0.110	0.974	0.005	0.005	
524	HD 169414	18:23:41.9	+21:46:11	K2.5 IIIab	0.757	0.058	-0.034	0.977	0.006	0.014	
525	HD 170153	18:21:03.4	+72:43:58	F7 V	0.302	0.067	-0.035	0.925	0.006	0.011	+0.139 <sup>1</sup>
526	HD 170693	18:25:59.1	+65:33:49	K1.5 III	0.627	0.079	-0.086	0.965	0.007	0.002	
527	HD 171443	18:35:12.4	-08:14:39	K3 III	0.975	0.051	0.116	0.999	0.005	0.020	
528	HD 172167	18:36:56.3	+38:47:01	A0 V	-0.425	0.043	-0.132	0.976	0.004	0.003	
529	HD 172365	18:39:36.9	+05:15:51	F8 Ib-II	0.484	0.091	0.143	0.966	0.008	0.028	
530	HD 172380	18:38:06.5	+39:40:06	M4-5 II	0.623	0.073		1.647	0.013		
531	HD 172816	18:42:55.1	-19:17:03	M5.2 III	0.686	0.044		1.747	0.009		
532	HD 172958	18:41:41.3	+31:37:03	B8 V	-0.286	0.042		0.983	0.004		
533	HD 173399	18:42:55.4	+44:55:31	G5 IV	0.574	0.038	0.055	0.944	0.004	0.001	
534	HD 173780	18:46:04.5	+26:39:44	K3 III	0.746	0.060	-0.071	0.960	0.006	-0.006	
535	HD 174704	18:52:06.6	-09:04:58	F1 Vp	0.318	0.039	0.152	0.923	0.003	-0.001	-0.36 <sup>2</sup>
536	HD 174912	18:51:25.2	+38:37:36	F8	0.330	0.043	-0.055	0.923	0.004	0.006	+0.137 <sup>1</sup>
537	HD 174947	18:54:00.1	-21:21:35	G8-K0 II	0.745	0.056	-0.196	0.984	0.005	-0.010	
538	HD 174974	18:54:10.2	-22:44:41	K1 II	0.839	0.067	0.055	0.992	0.006	0.003	
539	HD 175305	18:47:06.4	+74:43:31	G5 III	0.319	0.078	0.059	0.953	0.007	0.013	+0.25 <sup>2</sup>
540	HD 175317	18:55:31.0	-16:22:36	F5-6 IV	0.216	0.052	-0.053	0.871	0.004	-0.040	-0.110 <sup>1</sup>
541	HD 175535	18:53:13.5	+50:42:30	G7 IIIa	0.663	0.049	0.058	0.956	0.005	0.010	
542	HD 175545	18:55:51.4	-00:44:22	K2 III	0.897	0.047	-0.012	0.972	0.004	0.014	
543	HD 175588	18:54:30.3	+36:53:55	M4 II	0.852	0.046		1.331	0.007		
544	HD 175638	18:56:13.2	+04:12:13	A5 V	-0.112	0.052		0.937	0.004		
545	HD 175743	18:56:06.1	+18:06:19	K1 III	0.718	0.063	-0.013	0.941	0.006	-0.017	

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Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
546	HD 175751	18:57:03.7	-05:50:47	K2 III	0.777	0.048	0.028	0.966	0.004	0.009	
547	HD 175865	18:55:20.1	+43:56:46	M5 III	0.735	0.055	-0.021	1.655	0.010	0.099	
548	HD 176301	18:58:45.1	+19:47:40	B7 III-IV	-0.220	0.037		0.962	0.003		
549	HD 176411	18:59:37.4	+15:04:06	K2 III	1.015	0.033	0.246	0.969	0.003	0.013	
550	HD 178717	19:09:22.0	+10:14:28	K3.5 III	0.732	0.039	-0.138	1.048	0.004	0.048	
551	HD 180711	19:12:33.3	+67:39:42	G9 III	0.629	0.057	-0.047	0.958	0.005	0.008	
552	HD 180928	19:19:00.1	-15:32:12	K4 III	0.609	0.092	-0.249	0.937	0.008	-0.052	
553	HD 181615	19:21:43.6	-15:57:18	B2 Vpe + ...	-1.166	0.037	-1.505	0.827	0.004	-0.087	
554	HD 181984	19:15:33.1	+73:21:20	K3 III	1.003	0.032	0.099	0.986	0.003	0.016	
555	HD 182293	19:23:12.2	+20:16:41	K3 IVp	0.992	0.055	0.103	0.973	0.005	0.019	
556	HD 182572	19:24:58.2	+11:56:40	G8 IVvar	0.668	0.050	0.024	0.907	0.004	-0.009	+0.006 <sup>1</sup>
557	HD 182762	19:25:28.6	+19:47:54	K0 III	0.614	0.047	-0.050	0.961	0.004	0.013	
558	HD 182835	19:26:31.1	+00:20:19	F2 Ib	0.205	0.039	0.118	0.939	0.003	-0.013	
559	HD 184406	19:34:05.4	+07:22:44	K3 III	0.937	0.030	0.124	0.956	0.003	-0.007	
560	HD 184492	19:35:07.3	-10:33:38	G8 IIIa	0.718	0.047	-0.084	0.974	0.004	0.007	
561	HD 184499	19:33:27.1	+33:12:07	G0 V	0.345	0.090	0.032	0.917	0.007	-0.003	+0.388 <sup>1</sup>
562	HD 185018	19:36:52.5	+11:16:24	K0 V	0.475	0.033		0.937	0.003		
563	HD 185144	19:32:21.6	+69:39:40	K0 V	0.697	0.037	0.034	0.934	0.003	0.014	+0.014 <sup>1</sup>
564	HD 185644	19:40:43.4	-16:17:36	K1 III	0.772	0.055	-0.061	0.947	0.005	-0.012	
565	HD 185859	19:40:28.3	+20:28:37	B0.5 Iae	-0.129	0.084		0.934	0.007		
566	HD 186408	19:41:49.0	+50:31:30	G2 V	0.472	0.057	-0.030	0.908	0.005	-0.005	+0.043 <sup>1</sup>
567	HD 186427	19:41:52.0	+50:31:03	G5 V	0.560	0.077	0.027	0.924	0.007	0.012	+0.058 <sup>1</sup>
568	HD 186486	19:43:42.9	+25:46:19	G8 III	0.622	0.047	-0.016	0.955	0.004	0.012	
569	HD 186568	19:43:51.5	+34:09:46	B8 III	-0.257	0.050		0.990	0.004		
570	HD 186791	19:46:15.6	+10:36:48	K3 II	0.963	0.033	0.102	1.004	0.003	0.015	
571	HD 187299	19:48:21.6	+25:00:34	G5 Ia	0.887	0.044	0.186	1.036	0.004	0.047	
572	HD 187691	19:51:01.6	+10:24:57	F8 V	0.439	0.056	0.034	0.898	0.005	-0.013	+0.043 <sup>1</sup>
573	HD 187923	19:52:03.4	+11:37:42	G0 V	0.432	0.069	-0.065	0.912	0.006	-0.005	+0.216 <sup>1</sup>
574	HD 188056	19:50:37.7	+52:59:17	K3 III	1.027	0.028	0.116	0.987	0.003	0.009	+0.07 <sup>2</sup>
575	HD 188310	19:54:14.9	+08:27:41	G9 IIIb	0.714	0.044	0.026	0.965	0.004	0.009	
576	HD 188510	19:55:09.7	+10:44:27	G5 Vwe	0.253	0.047	-0.053	0.930	0.004	0.002	+0.235 <sup>1</sup>
577	HD 188512	19:55:18.8	+06:24:24	G8 IVvar	0.555	0.025	-0.080	0.935	0.002	-0.005	
578	HD 188727	19:56:01.3	+16:38:05	G5 Ib var	0.405	0.039	-0.088	0.926	0.003	-0.030	
579	HD 190360	20:03:37.4	+29:53:49	G6 IV + M6 V	0.721	0.043	0.139	0.931	0.004	0.011	+0.065 <sup>1</sup>
580	HD 190406	20:04:06.2	+17:04:13	G1 V	0.361	0.051	-0.083	0.927	0.004	0.011	-0.004 <sup>1</sup>
581	HD 190603	20:04:36.2	+32:13:07	B1.5 Iae	-0.019	0.055		0.957	0.005		
582	HD 190608	20:05:09.5	+19:59:28	K2 III	0.761	0.049	0.037	0.953	0.004	0.001	
583	HD 191046	20:06:29.0	+36:13:36	K0 III	0.631	0.044	-0.024	0.964	0.004	-0.002	
584	HD 192310	20:15:17.4	-27:01:59	K0 Vvar	1.014	0.062	0.176	0.920	0.006	-0.003	+0.16 <sup>2</sup>
585	HD 192422	20:13:22.5	+38:45:55	B0.5 Ib	-0.118	0.043		0.943	0.004		
586	HD 192947	20:18:03.3	-12:32:41	G6-8 III	0.656	0.039	0.028	0.940	0.003	-0.004	
587	HD 193370	20:18:39.1	+34:58:58	F6 Ib	0.344	0.061	-0.013	0.932	0.005	-0.021	
588	HD 193901	20:23:35.8	-21:22:14	F7 V	0.164	0.070	-0.114	0.901	0.006	-0.020	+0.174 <sup>1</sup>
589	HD 194598	20:26:11.9	+09:27:00	F7 V-VI	0.249	0.047	0.052	0.918	0.004	-0.003	+0.274 <sup>1</sup>
590	HD 194839	20:26:21.5	+41:22:46	B0.5 Ia	-0.174	0.032		1.021	0.003		
591	HD 195592	20:30:35.0	+44:18:55	O9.5 Ia	-0.126	0.040		0.986	0.004		
592	HD 195593	20:30:59.2	+36:56:09	F5 Iab	0.354	0.026	0.110	0.991	0.002	0.045	
593	HD 195633	20:32:24.0	+06:31:03	G0 Vw	0.255	0.063	0.062	0.912	0.005	-0.008	+0.239 <sup>1</sup>
594	HD 195636	20:32:48.9	-09:21:52	B8 **	0.054	0.071	0.034	0.932	0.006	0.007	+0.40 <sup>2</sup>
595	HD 196758	20:39:24.9	+00:29:11	K1 III	0.762	0.050	0.017	0.968	0.005	0.011	
596	HD 196892	20:40:49.4	-18:47:33	F6 V	0.168	0.050	-0.019	0.890	0.004	-0.032	+0.409 <sup>1</sup>
597	HD 197076	20:40:45.1	+19:56:08	G5 V	0.501	0.040	0.010	0.919	0.003	0.004	+0.074 <sup>1</sup>
598	HD 198149	20:45:17.4	+61:50:20	K0 IV	0.581	0.030	-0.022	0.953	0.003	0.014	
599	HD 198183	20:47:24.5	+36:29:27	B5 V	-0.347	0.048		0.947	0.004		
600	HD 198478	20:48:56.3	+46:06:51	B3 Iae	-0.001	0.037	0.101	0.934	0.003	-0.021	

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
601	HD 199191	20:53:18.3	+54:31:05	K0 III	0.623	0.055	0.049	0.941	0.005	-0.010	
602	HD 199478	20:55:49.8	+47:25:04	B8 Iae	-0.056	0.026		0.928	0.002		
603	HD 199580	20:56:48.0	+42:53:44	K0 III-IV	0.639	0.031	0.001	0.948	0.003	0.013	
604	HD 199960	21:00:33.8	-04:43:49	G1 V	0.569	0.042	0.040	0.904	0.004	-0.010	+0.052 <sup>1</sup>
605	HD 200580	21:04:07.4	+02:59:40	F9 V	0.422	0.047	0.079	0.927	0.004	0.008	+0.139 <sup>1</sup>
606	HD 200779	21:05:19.7	+07:04:09	K6 V	1.093	0.026		0.946	0.002		
607	HD 200790	21:05:26.7	+05:57:30	F8 V	0.386	0.039	-0.001	0.922	0.003	0.007	+0.026 <sup>1</sup>
608	HD 201099	21:07:43.8	-05:33:57	G0	0.321	0.043	-0.005	0.923	0.004	0.005	+0.174 <sup>1</sup>
609	HD 201381	21:09:35.6	-11:22:18	G8 III	0.546	0.057	-0.075	0.918	0.005	-0.028	
610	HD 201626	21:09:59.3	+26:36:55	G9p	0.187	0.049	-0.066	0.971	0.004	0.031	
611	HD 201891	21:11:59.0	+17:43:40	F8 V-VI	0.303	0.051	0.057	0.924	0.004	0.004	+0.348 <sup>1</sup>
612	HD 203344	21:21:04.4	+23:51:21	K0 III-IV	0.764	0.030	0.056	0.962	0.003	0.003	
613	HD 204587	21:30:02.8	-12:30:36	M0 V	0.937	0.039		0.944	0.004		
614	HD 204771	21:29:26.9	+46:32:26	K0 III	0.784	0.049	0.123	0.957	0.005	0.008	
615	HD 205153	21:34:09.2	-27:54:04	G0 IV	0.364	0.047	0.021	0.903	0.004	-0.021	
616	HD 205435	21:33:58.9	+45:35:31	G8 III	0.507	0.047	-0.067	0.960	0.004	0.017	
617	HD 205512	21:34:46.6	+38:32:03	K1 III	0.829	0.046	0.043	0.964	0.004	0.007	+0.16 <sup>2</sup>
618	HD 205650	21:37:26.0	-27:38:07	F6 V	0.238	0.048	0.064	0.911	0.004	-0.013	+0.373 <sup>1</sup>
619	HD 206078	21:37:10.4	+62:18:15	G8 III	0.531	0.047	-0.075	0.950	0.004	0.001	
620	HD 206165	21:37:55.2	+62:04:55	B2 Ib	-0.081	0.069	0.025	0.913	0.006	-0.042	
621	HD 207076	21:46:31.8	-02:12:46	M7 III	0.320	0.019		2.623	0.007		
622	HD 207134	21:46:23.9	+25:33:49	K3 III	0.822	0.060	-0.053	0.976	0.006	0.015	
623	HD 207260	21:45:26.9	+61:07:15	A2 Ia	-0.031	0.018		0.929	0.002		
624	HD 207673	21:49:40.1	+41:08:56	A2 Ib	-0.023	0.030	-0.027	0.954	0.003	-0.001	
625	HD 207978	21:52:29.9	+28:47:37	F6 IV-V <sub>wv</sub>	0.091	0.048	-0.080	0.917	0.004	-0.001	+0.184 <sup>1</sup>
626	HD 208501	21:54:53.2	+56:36:40	B8 Ib	0.016	0.034		0.957	0.003		
627	HD 208906	21:58:40.8	+29:48:45	F8 V-VI	0.273	0.045	0.026	0.925	0.004	0.007	+0.150 <sup>1</sup>
628	HD 208947	21:57:11.1	+66:09:22	B2 V	-0.337	0.064		0.932	0.005		
629	HD 209481	22:02:04.6	+58:00:01	O9 V	-0.068	0.033		0.902	0.003		
630	HD 209975	22:05:08.8	+62:16:47	O8 Ib	-0.082	0.035	0.033	0.909	0.003	0.004	
631	HD 210027	22:07:00.7	+25:20:42	F5 V	0.227	0.018	-0.041	0.916	0.002	0.003	-0.041 <sup>1</sup>
632	HD 210295	22:09:41.4	-13:36:19	G8	0.300	0.070	-0.033	0.912	0.006	-0.041	+0.66 <sup>2</sup>
633	HD 210745	22:10:51.3	+58:12:05	K1.5 Ib	1.050	0.037	0.012	1.020	0.003	0.000	
634	HD 210855	22:11:48.8	+56:50:22	F8 V	0.391	0.046	0.059	0.916	0.004	-0.001	+0.096 <sup>1</sup>
635	HD 210939	22:12:02.0	+60:45:33	K1 III	0.717	0.054	-0.126	0.967	0.005	0.000	
636	HD 211391	22:16:50.0	-07:47:00	G8 III	0.608	0.057	-0.089	0.941	0.005	-0.007	
637	HD 212496	22:23:33.6	+52:13:45	G8.5 IIIb	0.575	0.051	-0.059	0.957	0.005	0.006	
638	HD 212943	22:27:51.5	+04:41:44	K0 III	0.706	0.048	0.035	0.946	0.004	-0.007	
639	HD 213470	22:30:18.7	+57:13:32	A3 Ia	-0.083	0.046		0.931	0.004		
640	HD 214376	22:37:45.4	-04:13:41	K2 III	0.850	0.059	-0.015	0.942	0.005	-0.020	
641	HD 215257	22:43:50.7	+03:53:13	F8	0.265	0.041	-0.028	0.916	0.003	-0.002	+0.097 <sup>1</sup>
642	HD 215373	22:44:05.5	+41:49:09	K0 III	0.746	0.050	0.053	0.955	0.005	0.006	
643	HD 215648	22:46:41.6	+12:10:22	F7 V	0.259	0.013	0.001	0.920	0.001	0.004	+0.172 <sup>1</sup>
644	HD 216131	22:50:00.2	+24:36:06	G8 III	0.542	0.050	-0.077	0.943	0.005	-0.001	
645	HD 216143	22:50:31.1	-06:54:50	G5	0.177	0.061	0.014	0.973	0.006	0.023	+0.22 <sup>2</sup>
646	HD 216174	22:49:46.3	+55:54:10	K1 III	0.678	0.053	0.012	0.956	0.005	-0.007	
647	HD 216228	22:49:40.8	+66:12:01	K0 III	0.767	0.052	0.034	0.964	0.005	0.009	
648	HD 216385	22:52:24.1	+09:50:08	F7 IV	0.204	0.042	-0.037	0.920	0.003	0.003	+0.105 <sup>1</sup>
649	HD 217476	23:00:05.1	+56:56:43	G4 Ia	0.064	0.012	-0.910	0.939	0.001	-0.106	
650	HD 217877	23:03:57.3	-04:47:42	F8 V	0.422	0.041	0.043	0.919	0.004	0.002	+0.096 <sup>1</sup>
651	HD 218029	23:03:32.9	+67:12:33	K3 III	1.001	0.068	0.102	0.983	0.007	0.007	
652	HD 218031	23:04:11.0	+50:03:08	K0 IIIb	0.662	0.053	-0.058	0.955	0.005	-0.001	
653	HD 218329	23:07:00.3	+09:24:34	M1 IIIab	0.850	0.020		1.015	0.002		
654	HD 218470	23:07:45.4	+49:17:45	F5 V	0.270	0.088	0.062	0.920	0.007	0.007	+0.082 <sup>1</sup>
655	HD 218502	23:08:39.4	-15:03:12	F3w	0.115	0.090	0.066	0.928	0.007	0.006	+0.345 <sup>1</sup>

Table 1. Continuation

Num	Name	RA (h:m:s)	Dec (d:m:s)	SpT	MgI(Å)			sTiO			[Mg/Fe]
					$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	$\mathcal{I}$	$\sigma_{\text{typ}}\mathcal{I}$	$\Delta\mathcal{I}$	
656	HD 218658	23:07:53.9	+75:23:15	G2 III	0.660	0.049	0.054	0.958	0.004	0.015	
657	HD 218857	23:11:24.6	-16:15:04	G6w	0.147	0.112	0.014	0.934	0.009	0.004	+0.15 <sup>3</sup>
658	HD 219134	23:13:17.0	+57:10:06	K3 Vvar	1.070	0.044	0.047	0.925	0.004	-0.007	-0.016 <sup>1</sup>
659	HD 219449	23:15:53.5	-09:05:16	K0 III	0.817	0.036	0.056	0.941	0.003	-0.019	
660	HD 219615	23:17:09.9	+03:16:56	G9 III	0.564	0.060	0.000	0.929	0.005	-0.019	
661	HD 219617	23:17:05.0	-13:51:04	F8w	0.125	0.071	-0.024	0.922	0.006	0.000	+0.280 <sup>1</sup>
662	HD 219623	23:16:42.3	+53:12:49	F7 V	0.429	0.043	0.092	0.923	0.004	0.010	+0.026 <sup>1</sup>
663	HD 219734	23:17:44.6	+49:00:55	M2 III	0.815	0.022	-0.018	1.055	0.002	0.007	
664	HD 219945	23:19:29.8	+48:37:31	K0 III	0.566	0.049	-0.108	0.959	0.004	0.007	
665	HD 219962	23:19:41.6	+48:22:51	K1 III	0.762	0.051	0.009	0.974	0.005	0.010	
666	HD 219978	23:19:23.8	+62:44:23	K4.5 Ib	1.114	0.036	0.163	1.120	0.004	0.107	
667	HD 220009	23:20:20.6	+05:22:53	K2 III	0.492	0.071	-0.157	0.954	0.006	-0.008	
668	HD 220321	23:22:58.3	-20:06:02	K0 III	0.613	0.060	-0.079	0.948	0.005	-0.012	
669	HD 221148	23:29:32.1	-04:31:58	K3 IIIvar	0.947	0.040	-0.003	0.954	0.004	0.002	
670	HD 221830	23:35:28.9	+31:01:02	F9 V	0.610	0.047	0.216	0.921	0.004	0.002	+0.412 <sup>1</sup>
671	HD 222107	23:37:33.8	+46:27:29	G8 III	0.646	0.029	0.046	0.955	0.003	0.004	
672	HD 222368	23:39:57.0	+05:37:35	F7 V	0.291	0.040	-0.023	0.918	0.003	0.003	+0.131 <sup>1</sup>
673	HD 224930	00:02:10.2	+27:04:56	G3 V	0.612	0.049	0.110	0.927	0.004	0.003	+0.368 <sup>1</sup>
674	HD 231195	19:20:40.8	+14:25:09	F5 Ia	0.186	0.027		0.976	0.003		
675	HD 232078	19:38:12.1	+16:48:26	K4-5 III-II	0.422	0.024	-0.149	1.019	0.002	0.022	+0.27 <sup>3</sup>
676	HD 232979	04:37:40.9	+52:53:37	K8 V	0.861	0.040	0.034	0.959	0.004	-0.002	
677	BD +01 2916	14:21:45.3	+00:46:59	K0	0.274	0.079	-0.137	0.941	0.007	-0.028	+0.33 <sup>2</sup>
678	BD +02 3375	17:39:45.6	+02:25:00	A5	0.076	0.096	0.022	0.940	0.008	0.014	+0.428 <sup>1</sup>
679	BD +04 2621	12:28:44.6	+04:01:27	G0	0.061	0.064	-0.018	0.935	0.005	-0.008	+0.62 <sup>2</sup>
680	BD +09 3063	15:29:7	+09:32:		0.505	0.104	-0.058	0.909	0.009	-0.058	+0.33 <sup>2</sup>
681	BD +09 3223	16:33:35.6	+09:06:16	III	0.128	0.063	0.045	0.942	0.005	0.019	+0.47 <sup>3</sup>
682	BD +17 4708	22:11:31.4	+18:05:34	F8 VI	0.094	0.054	0.013	0.933	0.005	0.010	+0.351 <sup>1</sup>
683	BD +18 5215	23:46:56.0	+19:28:22	F5	0.349	0.139	0.099	0.906	0.011	-0.006	
684	BD +19 5116 A	23:31:52.2	+19:56:14	M4 V	0.643	0.038		1.081	0.004		
685	BD +19 5116 B			M6 V	0.528	0.091		1.186	0.011		
686	BD +26 3578	19:32:31.9	+26:23:26	B5	0.022	0.103	-0.016	0.937	0.009	0.012	+0.253 <sup>1</sup>
687	BD +30 2034	10:33:14.9	+29:36:55	K3 III	0.267	0.092	-0.265	0.996	0.009	0.043	+0.36 <sup>2</sup>
688	BD +30 2611	15:06:53.8	+30:00:37	G8 III	0.570	0.067	0.062	0.971	0.006	-0.008	
689	BD +34 2476	13:59:09.5	+33:51:39	A4	0.049	0.080	0.037	0.929	0.007	0.007	+0.187 <sup>1</sup>
690	BD +41 3306	19:19:00.5	+41:38:05	K0 V	0.708	0.056	0.075	0.934	0.005	0.001	
691	BD +43 0044 B	00:18:22.9	+44:01:23	M6 V	0.558	0.017	0.007	0.995	0.002	0.028	
692	BD +44 2051 A	11:05:28.6	+43:31:36	M2 V	0.524	0.041	-0.171	0.988	0.004	-0.008	
693	BD +52 1601	11:59:59.1	+51:46:18	G5 IIIw	0.343	0.088	0.036	0.943	0.008	-0.001	+0.47 <sup>2</sup>
694	BD +56 1458	10:30:25.3	+55:59:57	K7 V	0.907	0.043	-0.095	0.954	0.004	0.013	
695	BD +58 1218	09:52:38.7	+57:54:59	F8	0.157	0.047	0.040	0.943	0.004	0.010	+0.44 <sup>2</sup>
696	BD +59 2723	23:26:32.8	+60:37:43	F2	0.244	0.140	0.174	0.934	0.012	0.009	
697	BD +61 154	00:43:18.3	+61:54:40	Be	-0.269	0.076		0.983	0.007		
698	BD +61 2575	23:58:10.6	+62:36:36	F8 Ib	0.446	0.044	0.037	0.992	0.004	0.041	
699	BD -01 2582	11:53:37.3	-02:00:37	F0	0.122	0.078	0.055	0.931	0.007	0.005	
700	G 275-4	23:07:21	-23:52:6	G	0.151	0.274	0.065	0.888	0.021	-0.042	
701	G 64-12	13:40:02.5	-00:02:19	F0	0.095	0.145	-0.018	0.911	0.012	-0.021	+0.18 <sup>2</sup>
702	G1 699	17:57:48.5	+04:41:36	M5 V	0.492	0.068	-0.085	1.112	0.007	0.016	
703	G1 725 A	18:42:46.7	+59:37:49	M4 V	0.475	0.161		1.083	0.017		
704	G1 725 B	18:42:46.9	+59:37:37	M5 V	0.531	0.079		1.105	0.009		
705	Luyton 789-6	22:38:33.9	-15:18:02	M7e	0.603	0.050		1.339	0.006		
706	Ross 248	23:41:54.0	+44:09:32	M6e	0.494	0.038		1.367	0.004		