Table 1. Coordinates, Velocities, Magnitudes and Classification of Emission–Line Galaxies

#	Name (1)	α (1950) (2)	δ (1950) (3)	v_0^a (4)	$m_B{}^b$ (5)	M_B (6)	Type (7)	Other Names (8)
1	HS 0749+4652	$07^h49^m56.3^s$	$+46°52'29''$	7357	16.3	-19.2	BCG	KUG0749+468
2	HS 0929+4937	09 29 05.7	+49 37 39	7204	17.5	-17.2	BCG?	
3	HS 1034+4529	10 34 25.4	+45 29 46	13917	16.5	-19.6	SBN	
4	HS 1038+4616	10 38 13.0	+46 16 19	5073	16.7	-17.2	BCG?	
5	HS 1054+4605	10 54 34.0	+46 05 13	6632	16.6	-17.9	BCG	
6	HS 1113+4622	11 13 02.9	+46 22 58	2825	17.9	-14.7	BCG	
7	HS 1140+4835	11 40 45.9	+48 35 27	3755	17.5	-15.8	BCG	
8	HS 1211+5007	12 11 07.7	+50 07 23	6215	19.2	-15.1	BCG	
9	HS 1212+4923	12 12 06.1	+49 23 27	3607	18.4	-14.8	BCG	SBS1212+493
10	HS 1214+4623	12 14 05.4	+46 23 38	33825	20.3	-17.7	DANS	
11	HS 1235+4830	12 35 14.2	+48 30 36	5466	18.5	-15.6	BCG	
12	HS 1237+4542	12 37 18.5	+45 42 33	3816	17.5	-15.8	BCG	
13	HS 1246+4803	12 46 17.4	+48 03 24	7175	17.6	-17.1	BCG	NPM1G+48.0220
14	HS 1246+4839	12 46 09.5	+48 39 22	8944	19.5	-15.6	BCG	
15	HS 1249+4919	12 49 35.6	+49 19 43	7296	18.8	-15.9	BCG	SBS1249+493
16	HS 1251+4651	12 51 04.9	+46 51 04	9244	18.5	-16.7	BCG	
17	HS 1254+4708	12 54 53.6	+47 08 59	9993	18.4	-17.0	BCG	
18	HS 1254+4752	12 54 14.1	+47 52 56	18418	18.9	-17.8	BCG?	
19	HS 1303+4905	13 03 57.3	+49 05 29	24654	18.0	-19.3	SBN	
20	HS 1304+4710	13 04 07.8	+47 10 59	44950	17.8	-20.8	LINER?	
21	HS 1305+5016	13 05 34.3	+50 16 46	9965	16.7	-18.7	DANS	
22	HS 1306+4739	13 06 45.9	+47 39 25	16680	17.7	-18.8	DANS	
23	HS 1309+4906	13 09 55.1	+49 06 35	11434	16.9	-18.8	DANS	
24	HS 1309+4947	13 09 00.0	+49 47 24	2560	17.8	-14.6	BCG	
25	HS 1310+4737	13 10 14.4	+47 37 34	8046	17.6	-17.3	DANS	
26	HS 1310+4837	13 10 28.8	+48 37 43	16770	17.6	-18.9	SBN?	NPM1G+48.0233
27	HS 1310+5013	13 10 23.4	+50 13 02	8796	16.7	-18.4	BCG	
28	HS 1323+4818	13 23 13.0	+48 18 00	4929	17.8	-16.0	BCG	SBS1323+483
29	HS 1324+4625	13 24 05.6	+46 25 08	7476	19.0	-15.7	BCG	
30	HS 1325+4713	13 25 40.1	+47 13 34	18119	17.7	-19.0	BCG	
31	HS 1331+4930	13 31 40.1	+49 30 57	55295	18.1	-21.0	LINER?	
32	HS 1341+4904	13 41 05.3	+49 04 18	27295	17.7	-19.9	SBN	NPM1G+49.0256,IRASF
33	HS 1353+4711	13 53 14.4	+47 11 06	8408	16.8	-18.2	BCG	NPM1G+47.0267
34	HS 1355+4517	13 55 31.6	+45 17 30	12874	18.0	-17.9	BCG	
35	HS 1357+4722	13 57 43.2	+47 22 34	12515	17.7	-18.1	BCG	
36	HS 1408+4316	14 08 59.1	+43 16 51	19800	*18.0	-19.4	BCG	
37	HS 1408+4429	14 08 23.4	+44 29 01	10297	*17.5	-17.9	BCG	CG 368
38	HS 1408+4939	14 08 28.5	+49 39 30	7840	16.9	-18.0	BCG	
39	HS 1408+5001	14 08 26.5	+50 01 10	21510	18.5	-18.5	BCG	
40	HS 1411+4611	14 11 15.3	+46 11 30	7869	16.6	-18.3	BCG	
41	HS 1417+4148	14 17 21.1	+41 48 52	5111	*19.2	-15.4	DANS?	
42	HS 1418+4759	14 18 00.8	+47 59 20	31104	17.5	-20.3	SBN	

Table 1. (Continued)

#	Name (1)	α (1950) (2)	δ (1950) (3)	v_0[a] (4)	m_B[b] (5)	M_B (6)	Type (7)	Other Names (8)
43	HS 1425+4516	$14^h25^m12.7^s$	$+45°16'01''$	2713	17.2	-15.3	BCG	CG 434
44	HS 1425+4643	14 25 15.2	+46 43 27	22140	17.5	-19.6	SBN	
45	HS 1431+4541	14 31 56.5	+45 41 22	39709	17.0	-21.4	LINER?	
46	HS 1434+4816	14 34 34.6	+48 16 57	2235	17.6	-14.5	BCG	
47	HS 1434+5027	14 34 56.4	+50 27 21	7662	18.1	-16.7	BCG	
48	HS 1436+4932	14 36 41.5	+49 32 33	25140	17.6	-19.8	LINER?	
49	HS 1437+4925	14 37 58.8	+49 25 02	25110	18.6	-18.8	LINER?	
50	HS 1440+4302	14 40 22.3	+43 02 32	2624	*16.5	-15.0	BCG	CG 903,NPM1G+43.0283
51	HS 1443+5018	14 43 54.1	+50 18 12	9251	18.1	-17.1	BCG	
52	HS 1444+4646	14 44 52.7	+46 46 02	7872	17.4	-17.5	BCG	CG 541,NPM1G+46.0306
53	HS 1445+5021	14 45 04.1	+50 21 05	21333	18.7	-18.3	LINER?	CG 542
54	HS 1458+4944	14 58 24.8	+49 44 43	14499	16.7	-19.5	SBN	SBS1458+497,CG 922
55	HS 1459+4818	14 59 44.1	+48 18 12	3286	16.3	-16.7	BCG	SBS1459+483,CG 608
56	HS 1512+4737	15 12 57.3	+47 37 04	25952	18.6	-18.9	DANS	
57	HS 1516+4636	15 16 15.4	+46 36 00	5925	18.4	-15.8	BCG	PC1516+4635
58	HS 1529+4512	15 29 28.7	+45 12 07	6286	17.6	-16.8	BCG	CG 745
59	HS 1536+4557	15 36 44.2	+45 57 49	6437	17.2	-17.2	BCG	
60	HS 1546+4928	15 46 50.4	+49 28 13	66667	19.5	-20.0	SBN	
61	HS 1554+4705	15 54 15.9	+47 05 59	9646	18.3	-17.0	BCG	
62	HS 1604+4523	16 04 37.4	+45 23 40	5930	17.9	-16.3	BCG	
63	HS 1607+4918	16 07 17.0	+49 18 37	13035	17.4	-18.6	BCG	SBS1607+493,IRASF
64	HS 1609+4902	16 09 26.0	+49 02 19	13545	16.6	-19.4	Sy2	NPM1G+49.0323,IRASF
65	HS 1629+4513	16 29 34.2	+45 13 44	17384	18.4	-18.2	BCG	
66	HS 1629+4852	16 29 40.5	+48 52 22	11028	19.2	-16.4	BCG	
67	HS 1640+4804	16 40 48.2	+48 04 45	21762	18.4	-18.7	DANS	
68	HS 1641+4548	16 41 14.6	+45 48 14	4524	17.6	-16.1	BCG	
69	HS 1652+4607	16 52 05.8	+46 07 07	11630	18.3	-17.4	BCG	
70	HS 1655+4557	16 55 42.5	+45 57 13	9232	16.9	-18.3	BCG	

[a] Heliocentric velocities.

[b] Magnitudes marked by asterisk are from the APM.

Table 2. Parameters of Emission Lines of Galaxies

#	Name (1)	F(Hβ)^a (2)	$\frac{F(\lambda3727)}{F(H\beta)}$ (3)	$\frac{F(\lambda5007)}{F(H\beta)}$ (4)	$\frac{F(H\alpha)}{F(H\beta)}$ (5)	$\frac{F(\lambda6583)}{F(H\alpha)}$ (6)	$\frac{F([SII])}{F(H\alpha)}$ (7)	$W_{\lambda3727}$(Å) (8)	$W_{H\beta}$(Å) (9)	$W_{\lambda5007}$(Å) (10)
	HS 0749+4652*	282	3.75	5.34	–	–	–	51	19	141
	HS 0929+4937*	–	347*	408*	–	–	–	21	–	54
	HS 1034+4529*	–	378*	227*	–	–	–	33	–	31
	HS 1038+4616*	63	8.92	10.06	–	–	–	57	10	93
	HS 1054+4605*	320	2.65	1.69	–	–	–	34	18	30
	HS 1113+4622*	279	1.68	2.43	–	–	–	37	36	100
	HS 1140+4835*	263	2.31	5.93	–	–	–	48	34	221
	HS 1211+5007	18	4.67	7.33	5.21	0.10	0.05	31	7	52
	HS 1212+4923	81	1.63	5.04	3.36	0.07	0.16	39	29	147
	HS 1214+4623	–	–	–	24*	0.38	–	–	–	–
	HS 1235+4830	65	1.31	6.12	4.04	0.06	0.10	44	36	210
	HS 1237+4542	54	2.82	5.25	3.07	0.03	0.18	47	21	107
	HS 1246+4803	23	3.88	3.06	3.13	0.08	0.18	31	11	44
	HS 1246+4839	48	0.84	6.26	3.71	0.01	0.08	37	62	420
	HS 1249+4919	108	0.97	4.89	2.34	0.01	0.06	30	92	491
	HS 1251+4651	19	6.40	3.62	3.03	0.07	0.39	52	11	46
	HS 1254+4708	81	2.22	2.90	2.79	0.09	0.28	54	39	113
	HS 1254+4752	–	–	17*	18*	0.06	0.50	–	–	22
	HS 1303+4905	–	–	–	74*	0.42	–	–	–	–
	HS 1304+4710	20	1.45	1.70	9.22	0.57	–	13	5	8
	HS 1305+5016	37	4.04	2.46	7.44	0.24	0.46	24	7	17
	HS 1306+4739	–	27*	–	71*	0.20	–	–	–	–
	HS 1309+4906	24	2.82	1.46	3.78	0.24	0.58	28	9	12
	HS 1309+4947	–	–	42*	37*	0.27	0.62	–	–	20
	HS 1310+4737	–	–	–	49*	0.24	0.37	–	–	–
	HS 1310+4837	–	–	–	18*	0.56	0.28	–	–	–
	HS 1310+5013	30	5.05	2.29	2.88	0.11	0.46	53	11	24
	HS 1323+4818	135	1.92	4.96	2.34	0.03	0.12	74	77	453
	HS 1324+4625	15	2.55	3.87	3.34	0.06	0.22	38	17	60
	HS 1325+4713	75	2.14	4.55	2.61	0.07	0.15	78	44	208
	HS 1331+4930	–	–	–	26*	–	–	–	–	–
	HS 1341+4904	31	1.48	0.56	13.36	0.42	0.29	16	8	4
	HS 1353+4711	27	2.40	2.18	3.55	0.19	0.23	23	9	18
	HS 1355+4517**	27	2.67	4.41	3.78	0.01	0.27	76	22	100
	HS 1357+4722**	–	–	53*	45*	0.02	0.67	–	–	58
	HS 1408+4316*	1156	0.63	3.71	–	–	–	83	167	717
	HS 1408+4429*	201	2.26	5.33	–	–	–	36	18	131
	HS 1408+4939	24	3.01	3.66	5.39	0.20	0.14	18	6	21
	HS 1408+5001	–	–	23*	33*	0.21	0.36	–	–	20
	HS 1411+4611	15	5.04	2.49	3.14	0.19	0.12	39	7	14
	HS 1417+4148*	–	–	350*	–	–	–	–	–	7
	HS 1418+4759	11	1.80	0.60	4.69	0.31	0.68	11	6	4

Table 2. (Continued)

#	Name (1)	F(Hβ)[a] (2)	$\frac{F(\lambda3727)}{F(H\beta)}$ (3)	$\frac{F(\lambda5007)}{F(H\beta)}$ (4)	$\frac{F(H\alpha)}{F(H\beta)}$ (5)	$\frac{F(\lambda6583)}{F(H\alpha)}$ (6)	$\frac{F([SII])}{F(H\alpha)}$ (7)	$W_{\lambda3727}$ (Å) (8)	$W_{H\beta}$(Å) (9)	$W_{\lambda5007}$ (Å) (10)
	HS 1425+4516	10	4.96	4.93	6.50	0.08	0.29	33	4	21
	HS 1425+4643	–	21*	–	34*	0.32	0.38	14	–	–
	HS 1431+4541	–	–	–	63*	0.87	–	–	–	–
	HS 1434+4816*	–	–	373*	–	–	–	–	–	55
	HS 1434+5027	23	5.02	3.35	1.80	0.07	0.26	31	11	28
	HS 1436+4932	–	–	–	33*	0.76	–	–	–	–
	HS 1437+4925	–	–	–	45*	0.82	–	–	–	–
	HS 1440+4302*	439	0.62	5.10	–	–	–	28	42	291
	HS 1443+5018	4	8.50	7.75	7.50	0.17	0.10	15	4	29
	HS 1444+4646	31	1.98	4.75	3.82	0.06	0.28	35	21	102
	HS 1445+5021	–	–	14*	45*	0.84	0.18	–	–	8
	HS 1458+4944	105	3.13	1.59	3.21	0.16	0.38	52	16	23
	HS 1459+4818	104	1.30	3.05	3.44	0.13	0.21	17	17	56
	HS 1512+4737	–	–	–	55*	0.40	0.40	–	–	–
	HS 1516+4636	39	1.54	5.39	4.79	0.02	0.20	107	58	368
	HS 1529+4512	95	1.67	6.06	2.58	0.04	0.12	39	38	237
	HS 1536+4557	132	1.15	3.74	4.40	0.11	0.14	47	29	108
	HS 1546+4928	–	–	–	66*	–	–	–	–	–
	HS 1554+4705	32	2.61	4.08	3.24	0.08	0.35	48	18	78
	HS 1604+4523	15	3.46	3.52	4.91	0.15	0.11	24	8	25
	HS 1607+4918	138	1.58	3.38	4.21	0.09	0.23	42	32	110
	HS 1609+4902	28	2.16	27.31	4.56	0.76	0.76	9	3	66
	HS 1629+4513	33	2.05	2.45	3.46	0.05	0.42	40	26	52
	HS 1629+4852	59	1.26	7.23	2.41	0.01	0.13	47	64	451
	HS 1640+4804	–	–	–	168*	0.32	0.24	–	–	–
	HS 1641+4548	53	2.97	3.33	3.07	0.11	0.13	56	20	72
	HS 1652+4607	63	3.64	4.42	3.14	0.03	0.22	80	34	151
	HS 1655+4557	104	2.75	4.16	3.87	0.10	0.16	44	17	74

* Objects observed with the IPCS (6 m telescope).

** Objects observed with the CCD (2.2 m telescope) under poor photometric conditions.

[a] Observed fluxes are given in 10^{-16}erg s^{-1} cm^{-2}.

* Absolute observed flux in 10^{-16}erg s^{-1} cm^{-2}.

Table 3. Coordinates, Redshifts and Magnitudes of QSO

#	Name (1)	α (1950) (2)	δ (1950) (3)	z^{a} (4)	m_B (5)	Detected Emission Lines (6)
	HS 1040+4904	$10^h40^m57.2^s$	$+49°04'17''$	0.4818	17.4	MgII 2798 Å
	HS 1300+4835	13 00 03.3	+48 35 22	0.8771	18.0	MgII 2798 Å
	HS 1313+4651	13 13 39.4	+46 51 25	2.9987	17.8	Lyα 1216 Å, NV 1240 Å, SiIV/OIV] 1400 Å, CIV 1549 Å
	HS 1446+4611	14 46 30.5	+46 11 41	0.8163	18.2	MgII 2798 Å

[a] Observed redshift.

Table 4. Galaxies without Emission Lines

#	Name (1)	α (1950) (2)			δ (1950) (3)			v_0^a (4)	m_B (5)	M_B (6)	Absorption lines (7)
	HS 1228+4952	12^h	28^m	36.3^s	$+49°$	$52'$	$14''$	22255	18.2	–18.9	G,MgI,NaD
	HS 1247+4811	12	47	28.4	+48	11	11	33617	18.6	–19.4	CaII,G,MgI,NaD
	HS 1306+4517	13	06	58.0	+45	17	22	14598	18.1	–18.1	CaII,G,MgI,NaD
	HS 1413+4737	14	13	49.4	+47	37	55	1559	18.3	–13.0	MgI,NaD
	HS 1426+4915	14	26	13.9	+49	15	02	39160	18.4	–19.9	CaII,G,MgI,NaD
	HS 1428+4633	14	28	15.2	+46	33	50	42857	18.6	–19.9	CaII,G,MgI,NaD
	HS 1517+4855	15	17	37.1	+48	55	52	18307	17.1	–19.6	CaII,G,MgI,NaD

[a] Heliocentric velocities.

Table 5. Stars

#	Name (1)	α (1950) (2)	δ (1950) (3)	m_B (4)	Type (5)	Spectral Features (6)
	HS 1158+4600	$11^h58^m12.8^s$	$+46°00'51''$	19.4	G	CaK, CaH, G_{band}, H_β, Mgb, NaD, H_α
	HS 1209+4520	12 09 55.7	+45 20 52	18.4	F-G	H_δ, G_{band}, Mgb, NaD, H_α
	HS 1209+4807	12 09 35.6	+48 07 21	18.6	G	CaK, CaH, G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1216+4520	12 16 48.2	+45 20 31	18.6	F	CaK, CaH, H_δ, H_γ, H_β, Mgb, H_α
	HS 1219+4635	12 19 21.7	+46 35 37	18.1	F	Mn+Fe, H_δ, H_β, H_α
	HS 1225+4750	12 25 40.8	+47 50 37	18.2	F	CaK, CaH, H_δ, G_{band}, H_γ, H_β, H_α
	HS 1227+4708	12 27 00.7	+47 08 21	18.1	F	CaK, CaH, H_δ, G_{band}, H_γ, H_β, H_α
	HS 1238+4924	12 38 00.9	+49 24 18	18.7	F-G	CaK, CaH, G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1249+5026	12 49 53.4	+50 26 43	18.5	F	CaK, CaH, H_δ, G_{band}, H_β, H_α
	HS 1256+4722	12 56 18.6	+47 22 49	17.4	A	CaK, CaH, H_γ, H_β, H_α
	HS 1259+4543	12 59 51.4	+45 43 31	17.5	F	CaK, CaH, H_δ, H_γ, H_β, Mgb, NaD, H_α
	HS 1304+4901	13 04 37.1	+49 01 03	18.2	A	H_δ, H_γ, H_β, H_α
	HS 1305+5028	13 05 40.7	+50 28 25	17.8	F-G	G_{band}, H_β, H_α
	HS 1306+4614	13 06 07.0	+46 14 54	18.0	F	CaK, H_δ, G_{band}, H_β, H_α
	HS 1307+4620	13 07 49.7	+46 20 44	18.2		Mgb, H_α
	HS 1310+4618	13 10 56.1	+46 18 11	17.8	F-G	CaK, CaH, H_γ, Mgb, H_α
	HS 1312+4647	13 12 13.4	+46 47 23	18.1	F-G	CaK, CaH, G_{band}, H_β, Mgb, H_α
	HS 1314+4650	13 14 21.6	+46 50 09	17.9	F	H_β, Mgb, NaD, H_α
	HS 1314+4847	13 14 59.7	+48 47 37	18.1	F-G	CaK, CaH, G_{band}, H_β, Mgb, NaD, H_α
	HS 1317+4818	13 17 41.6	+48 18 52	18.1	F-G	H_δ, H_β, Mgb, H_α
	HS 1319+4930	13 19 30.7	+49 30 48	17.9	F-G	H_δ, G_{band}, H_β, H_α
	HS 1319+4715	13 19 35.2	+47 15 33	17.9	F-G	CaK, G_{band}, H_γ, H_β, H_α
	HS 1320+5006	13 20 59.2	+50 06 05	18.4	F-G	CaK, CaH, G_{band}, H_β, H_α
	HS 1321+4657	13 21 36.3	+46 57 03	17.8	F	CaK, CaH, H_γ, H_β, NaD, H_α
	HS 1326+4516	13 26 41.9	+45 16 03	18.3	F-G	G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1327+5026	13 27 41.1	+50 26 32	18.4	F-G	CaK, CaH, G_{band}, H_α
	HS 1327+4753	13 27 59.5	+47 53 01	18.2	F-G	CaK, CaH, H_δ, G_{band}, H_γ, Mgb, NaD, H_α
	HS 1329+4547	13 29 48.2	+45 47 13	18.1	F-G	G_{band}, H_β, NaD, H_α
	HS 1330+4701	13 30 00.3	+47 01 07	18.5	F-G	CaK, CaH, G_{band}, H_γ, H_β, Mgb, H_α
	HS 1334+4650	13 34 08.2	+46 50 18	18.3	M	
	HS 1338+4605	13 38 43.2	+46 05 04	18.1	F	CaH, G_{band}, H_γ, H_β, H_α
	HS 1338+4708	13 38 59.2	+47 08 41	17.8	F	CaK, CaH, H_δ, G_{band}, H_γ, H_β, H_α
	HS 1339+4702	13 39 53.5	+47 02 51	17.9	F-G	G_{band}, Mgb, H_α
	HS 1341+4955	13 41 12.3	+49 55 00	17.9	F-G	CaH, G_{band}, H_β, Mgb, H_α
	HS 1341+4701	13 41 42.0	+47 01 04	18.2	A	H_7, H_δ, H_γ, H_β, H_α
	HS 1341+4839	13 41 46.4	+48 39 47	18.0	F-G	H_β, Mgb, NaD, H_α
	HS 1342+4833	13 42 55.0	+48 33 31	17.5	F	CaK, CaH, H_γ, H_β, NaD, H_α
	HS 1343+5020	13 43 31.2	+50 20 30	18.0	G	CaK, CaH, G_{band}, Mgb, H_α
	HS 1344+4839	13 44 54.2	+48 39 04	18.0	F-G	CaK, CaH, H_δ, G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1344+5000	13 44 56.1	+50 00 58	17.8	G	CaK, CaH, G_{band}, Mgb, H_α
	HS 1345+4607	13 45 01.4	+46 07 36	18.3	F-G	CaK, CaH, G_{band}, H_β, H_α
	HS 1345+4614	13 45 06.8	+46 14 57	17.8	A-F	CaK, CaH, H_β, H_α

Table 5. (Continued)

#	Name (1)	α (1950) (2)	δ (1950) (3)	m_B (4)	Type (5)	Spectral Features (6)
	HS 1345+4911	$13^h45^m11.0^s$	$+49°11'25''$	17.7	A	CaK, CaH, H_δ, H_β, H_α
	HS 1346+4643	13 46 20.2	+46 43 54	18.1	A	H_δ, H_γ, H_β, H_α
	HS 1346+4644	13 46 06.8	+46 44 22	18.2	F-G	MnI+FeI, G_{band}, H_γ, FeI, H_β, H_α
	HS 1346+4805	13 46 21.3	+48 05 05	17.8	F-G	CaK, CaH, G_{band}, H_γ, H_β, H_α
	HS 1347+4553	13 47 51.3	+45 53 29	18.4	F-G	CaK, CaH, G_{band}, H_β, Mgb, H_α
	HS 1347+4758	13 47 52.1	+47 58 30	18.1	F-G	CaK, CaH, H_δ, G_{band}, H_γ,
	HS 1347+4810	13 47 20.7	+48 10 32	17.9	F-G	CaK, CaH, G_{band}, H_γ, H_α
	HS 1349+4925	13 49 11.5	+49 25 49	17.3	A	H_δ, H_γ, H_β, Mgb, H_α
	HS 1350+4806	13 50 29.8	+48 06 59	18.1	A	CaK, H_δ, H_γ, H_β, H_α
	HS 1350+4805	13 50 35.6	+48 05 59	17.5	F-G	G_{band}, H_γ, H_β, H_α
	HS 1353+4706	13 53 26.2	+47 06 31	18.7	M	
	HS 1354+4800	13 54 40.5	+48 00 27	17.6	A-F	Mn+Fe, H_δ, H_γ, H_β, H_α
	HS 1356+4939	13 56 34.2	+49 39 25	17.8	G	CaK, G_{band}, Mgb, NaD
	HS 1358+4525	13 58 58.4	+45 25 43	17.4	F-G	CaK, G_{band}, H_γ, H_β, NaD
	HS 1359+4918	13 59 22.6	+49 18 28	18.5	M	
	HS 1403+4808	14 03 37.5	+48 08 03	17.5	F-G	CaK, CaH, G_{band}, H_γ, H_β, Mgb
	HS 1405+4717	14 05 34.2	+47 17 45	17.4	F-G	H_β, Mgb
	HS 1406+4848	14 06 34.2	+48 48 36	18.0	F-G	G_{band}, H_γ, H_β, Mgb
	HS 1418+5001	14 18 03.8	+50 01 59	17.7	F	CaH, H_β, H_α
	HS 1427+4200	14 27 12.9	+42 00 58	*17.5		CaK, H_δ, H_β, Mgb
	HS 1429+4210	14 29 30.9	+42 10 45	*17.5	F-G	CaK, H_δ, G_{band}, H_γ, H_β, Mgb
	HS 1432+4255	14 32 38.4	+42 55 29	*17.5	F-G	G_{band}, H_γ, H_β, Mgb
	HS 1435+4043	14 35 24.6	+40 43 04	*17.6	A	H_9, H_8, H_7, H_δ, H_γ, H_β
	HS 1445+4519	14 45 02.4	+45 19 23	*18.2	F	G_{band}, H_γ, H_β
	HS 1447+4204	14 47 09.8	+42 04 13	*17.6	A-F	H_9, H_8, H_7, H_δ, G_{band}, H_γ, H_β
	HS 1450+4504	14 50 05.6	+45 04 20	*17.7	F-G	G_{band}, H_γ, H_β
	HS 1451+4906	14 51 08.3	+49 06 15	17.5	F-G	H_δ, G_{band}, H_γ, H_β, Mgb, H_α
	HS 1457+4616	14 57 46.1	+46 16 03	18.2	F	H_β, NaD, H_α
	HS 1500+4142	15 00 32.3	+41 42 12	*18.3	F	CaK, CaH, G_{band}, H_γ, H_β
	HS 1500+4307	15 00 28.5	+43 07 28	*17.3	F-G	CaK, CaH, G_{band}, H_γ, H_β, Mgb
	HS 1501+4302	15 01 20.7	+43 02 17	*18.6	F	CaK, CaH, H_δ, G_{band}, H_γ, H_β
	HS 1501+4827	15 01 35.4	+48 27 15	17.8	A	H_δ, H_γ, H_β, H_α
	HS 1503+4657	15 03 43.6	+46 57 17	17.8	F-G	CaK, CaH, H_δ, G_{band}, FeI, H_β, Mgb, H_α
	HS 1504+4848	15 04 00.5	+48 48 19	17.8	F-G	CaH, H_β, Mgb, H_α
	HS 1504+4525	15 04 27.8	+45 25 47	18.1	F	CaK, CaH, H_γ, H_β, H_α
	HS 1505+4541	15 05 29.5	+45 41 15	17.5	A-F	CaK, H_γ, H_β, H_α
	HS 1505+5007	15 05 59.8	+50 07 28	18.0		CaK, CaI 4227, Mgb, NaD
	HS 1506+4619	15 06 19.7	+46 19 37	17.8	A	H_8, H_7, H_δ, H_γ, H_β
	HS 1506+4541	15 06 59.1	+45 41 19	18.0	F-G	CaH, G_{band}, H_β, H_α
	HS 1508+4838	15 08 18.8	+48 38 24	17.7	G	CaK, CaH, H_δ, G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1508+4806	15 08 39.7	+48 06 24	17.1	F	H_δ, H_γ, H_β, Mgb, H_α

Table 5. (Continued)

#	Name (1)	α (1950) (2)	δ (1950) (3)	m_B (4)	Type (5)	Spectral Features (6)
	HS 1509+4831	$15^h09^m45.8^s$	$+48°31'25''$	17.3	F	CaK, CaH, H_γ, H_β, NaD, H_α
	HS 1512+4626	15 12 32.7	+46 26 38	17.8	A-F	CaH, H_7, H_δ, G_{band}, H_γ, H_β, Mgb, H_α
	HS 1512+4621	15 12 55.2	+46 21 27	17.3	F-G	G_{band}, H_β, Mgb, NaD, H_α
	HS 1513+4720	15 13 33.4	+47 20 37	18.0	G	G_{band}, Mgb, NaD, H_α
	HS 1527+4513	15 27 01.1	+45 13 17	17.3	G	CaK, G_{band}, Mgb, NaD, H_α
	HS 1527+4853	15 27 53.3	+48 53 13	17.3	A	H_γ, H_β, Mgb, H_α
	HS 1531+4608	15 31 57.8	+46 08 57	17.7	F-G	G_{band}, H_γ, Mgb, NaD, H_α
	HS 1533+4637	15 33 08.4	+46 37 08	17.7	F-G	Mgb, NaD, H_α
	HS 1533+4811	15 33 52.5	+48 11 37	17.8	F-G	CaK, CaH, H_δ, G_{band}, H_γ, H_β, Mgb, NaD, H_α
	HS 1534+4746	15 34 18.5	+47 46 51	17.8	G	CaK, CaH, G_{band}, Mgb, NaD, H_α
	HS 1540+4829	15 40 20.1	+48 29 30	19.1	M	
	HS 1544+4957	15 44 13.0	+49 57 49	18.3	G	CaK, G_{band}, H_β, Mgb, NaD, H_α
	HS 1607+5001	16 07 30.4	+50 01 22	20.7	M	
	HS 1610+4948	16 10 30.5	+49 48 45	18.9	F-G	CaK, CaH, G_{band}, H_β, Mgb
	HS 1612+4538	16 12 14.2	+45 38 43	17.5	F	H_γ, H_β, NaD, H_α
	HS 1612+4509	16 12 38.7	+45 09 30	18.1		No features, but stellar on DSS
	HS 1612+4953	16 12 58.0	+49 53 16	17.6	F-G	H_β, Mgb, H_α
	HS 1617+4812	16 17 37.0	+48 12 01	17.6	F	H_α
	HS 1621+4720	16 21 53.4	+47 20 12	18.2	F-G	G_{band}, H_α
	HS 1628+4821	16 28 19.3	+48 21 24	17.9	F-G	G_{band}, H_β, , NaD, H_α
	HS 1631+4948	16 31 11.3	+49 48 18	17.4	F-G	H_δ, G_{band}, H_γ, Mgb, H_α
	HS 1640+4634	16 40 37.5	+46 34 30	17.7	A	H_δ, H_β, H_α
	HS 1641+4813	16 41 17.8	+48 13 59	18.1	A	H_δ, H_γ, H_β, H_α
	HS 1642+4625	16 42 08.2	+46 25 59	18.4	F-G	G_{band}, H_β, Mgb
	HS 1642+5006	16 42 37.4	+50 06 41	17.6	A	H_7, H_δ, H_γ, H_β, H_α
	HS 1651+4850	16 51 37.3	+48 50 49	17.7	G	CaK, CaH, G_{band}, H_β, Mgb, H_α
	HS 1658+4530	16 58 28.8	+45 30 13	17.7	A	H_δ, H_γ, H_α
	HS 1707+4955	17 07 33.9	+49 55 35	17.7	G	CaK, CaH, G_{band}, H_γ, H_β, Mgb, NaD, H_α

[b] Magnitudes marked by asterisk are from the APM.