Table 1. Spectroscopic parameters for the sample galaxies.

Galaxy	Right Ascension	Declination	b_J	d	v_{hel}	err_v	σ	err_σ	Q_{spec}
Region 1									
87101144	16 01 52.14	−01 59 05.0	13.9	1.3	9259	26	305	4	1
65301306	15 16 17.18	−15 48 54.6	14.3	1.2	7296	17	270	16	1
65300653	15 24 14.86	−12 48 29.1	14.3	1.2	7351	15	232	21	1
72501710	15 17 51.60	−08 21 00.2	14.4	1.3	7573	22	149	18	3
79800188	15 47 10.58	−07 19 44.2	14.4	1.3	8032	28	208	3	1
65301588	15 12 23.45	−14 25 57.7	14.5	1.1	7419	18	286	5	3
65301596	15 12 14.43	−14 23 39.5	14.5	1.0	7475	18	168	9	1
87001759	15 36 17.64	−01 34 19.3	14.6	1.3	3439	4	154	3	1
65401564	15 41 57.11	−15 18 30.0	14.8	1.1	7320	19	209	15	1
72700354	16 07 48.41	−11 43 45.9	14.8	0.9	7964	17	109	25	3
79800136	15 48 02.65	−07 24 36.0	14.9	0.8	7742	10	231	13	3
87101109E	16 01 53.82	−01 36 41.8	–	–	9069	21	313	1	2
65402690	15 34 32.77	−16 25 59.2	15.0	1.0	7196	18	291	19	1
CGCG2158	15 13 02.87	+02 25 56.5	15.0	0.6	1849	22	63	17	1
72601433	15 31 40.06	−08 44 21.2	15.0	0.8	7129	17	265	13	1
79701386	15 20 15.85	−07 09 10.5	15.1	1.2	11730	17	239	5	2
65402668	15 34 40.55	−16 25 36.1	15.1	0.7	6798	12	147	13	1
79702357	15 12 55.64	−05 35 58.1	15.1	1.2	11404	29	228	2	2
79801072	15 30 47.53	−04 55 45.2	15.1	0.7	8000	15	171	11	3
87000696	15 44 59.18	−01 23 30.8	15.1	0.7	8972	20	276	17	2
65401595	15 41 43.20	−15 15 44.8	15.1	0.8	7439	14	175	9	2
79700187	15 29 43.12	−06 35 46.2	15.2	0.9	11112	8	240	8	3
65403060	15 31 44.41	−16 27 53.1	15.2	1.1	7403	15	106	8	3
65300973	15 20 29.81	−15 49 34.3	15.3	0.8	7109	19	130	7	3
65501546	15 58 50.53	−15 22 19.0	15.3	0.9	7510	11	171	10	3
65402909	15 32 54.07	−16 37 02.4	15.3	0.9	6849	13	142	15	3
87002300	15 30 24.64	+00 36 31.6	15.3	0.8	10980	18	248	17	3
65401438	15 42 48.68	−16 52 32.8	15.4	0.8	11342	28	249	11	2
65300169	15 29 48.37	−17 26 03.3	15.4	0.7	7050	6	131	8	1
65401086	15 45 06.95	−13 14 13.8	15.4	0.9	11275	13	184	14	3
65402811	15 33 40.66	−16 06 32.6	15.5	0.6	7855	10	206	8	2
72600774	15 40 56.84	−08 59 11.0	15.5	0.6	17737	22	316	9	3
87002308	15 30 19.55	+00 38 12.6	15.6	0.7	11781	22	323	15	2
79901311	15 57 33.40	−06 46 40.9	15.6	0.7	9146	18	98	12	3
79800922	15 33 30.16	−05 11 58.9	15.6	0.6	7077	28	127	5	3
65301134	15 18 21.41	−13 31 45.3	15.6	0.6	7263	13	163	15	2
72502368	15 12 33.13	−12 13 26.2	15.7	0.7	7634	36	82	4	3
65502352	15 52 05.13	−17 10 43.8	15.7	0.9	16533	11	229	12	3
65402361	15 36 32.47	−16 32 16.3	15.7	0.6	10505	31	232	8	2
72502210	15 13 49.98	−08 49 51.2	15.7	0.7	5600	13	16	16	3
87001111	15 41 10.37	−01 35 46.1	15.8	0.6	16897	20	223	6	3
72600488	15 44 54.15	−11 43 03.4	15.8	0.7	24012	51	397	62	3
87100850	16 04 28.03	−01 41 33.1	15.9	0.7	10839	10	132	22	3
79702517	15 11 38.51	−04 14 50.8	15.9	0.8	10978	23	413	11	2
79800965	15 32 46.84	−03 19 02.3	15.9	0.5	18012	19	303	8	3
65502359	15 52 07.79	−15 13 22.9	15.9	0.6	17513	44	–	–	4
87002295	15 30 27.12	+01 08 12.7	16.1	0.6	15068	30	–	–	4
86902718	15 10 28.74	+02 12 43.1	16.1	0.5	11391	32	177	22	3
72801203	16 17 51.62	−10 20 59.9	14.6	1.1	8472	29	215	4	2
72801189	16 17 57.70	−09 46 17.2	14.9	0.9	8006	24	209	2	2

Table 5. Spectroscopic parameters for the sample galaxies (continued).

Galaxy	Right Ascension	Declination	b_J	d	v_{hel}	err_v	σ	err_σ	Q_{spec}
Region 2									
NGC 7010	21 01 55.45	−12 32 17.1	14.3	1.9	8480	19	228	3	1
81405781	20 53 56.12	−04 01 20.4	14.7	1.1	6025	10	156	10	1
81303405	20 35 10.59	−06 16 00.6	15.1	1.0	3844	5	89	5	1
81502978	21 17 38.08	−05 05 20.4	15.1	0.9	9102	17	367	9	3
67200327	21 44 53.58	−13 24 53.2	15.1	0.8	5418	13	167	14	1
81303115	20 36 22.29	−05 08 59.3	15.2	1.2	3797	10	131	19	1
74402521	21 48 16.53	−09 30 02.4	15.2	0.9	5380	20	213	15	1
67003337	20 52 46.63	−13 39 34.8	15.3	0.9	24515	38	555	7	3
66901323	20 39 01.84	−14 01 30.9	15.4	0.8	8409	18	265	2	1
81603636	21 33 27.73	−03 33 44.1	15.4	0.8	8027	14	257	11	3
74402642	21 46 50.74	−10 05 44.3	15.5	1.1	23869	10	598	14	2
81405745	20 53 59.57	−03 32 27.4	15.5	0.6	5979	11	126	14	1
67001814	21 00 46.20	−15 10 30.3	15.5	1.1	8455	16	241	13	1
81503740	21 14 12.52	−04 42 24.4	15.6	0.8	13765	11	266	22	1
67003179	20 53 39.80	−14 35 43.1	15.6	0.8	8468	6	139	3	2
81601185	21 45 01.36	−06 35 43.1	15.6	0.9	6103	15	153	13	1
81602395	21 39 15.52	−06 56 13.7	15.6	0.8	6906	20	158	6	2
81404709	20 56 46.08	−04 38 08.9	15.7	0.8	4680	49	–	–	4
67003696	20 50 48.81	−14 41 58.9	15.7	0.8	7580	11	178	6	1
81602330	21 39 29.90	−04 26 37.3	15.7	0.7	8225	25	114	8	1
67102806	21 27 46.38	−16 20 28.2	15.7	0.7	9353	7	215	4	1
74400983	21 41 10.20	−08 18 11.9	15.7	0.9	15305	22	351	4	1
81404583	20 57 05.76	−02 50 34.2	15.8	0.8	17209	34	510	16	2
74401483	21 35 55.30	−08 07 58.1	15.8	0.9	15751	7	348	3	2
67201749	21 37 30.96	−14 27 30.1	15.8	0.6	18358	25	514	13	1
67202822	21 38 18.48	−16 55 16.6	15.8	0.7	15509	29	469	13	1
67103161	21 20 15.95	−16 11 58.7	15.8	0.7	13294	19	231	4	1
67202363	21 47 30.24	−17 24 35.4	15.8	0.6	10185	10	174	14	1
74300882	21 15 30.52	−07 32 02.2	15.8	0.7	8270	10	122	18	2
67001913	21 00 17.18	−16 59 57.9	15.9	0.6	8716	17	246	1	2
81603664	21 33 17.98	−03 22 20.5	15.9	0.6	2873	4	104	3	1
81301006	20 46 07.02	−07 10 50.8	15.9	0.7	12441	17	162	15	1
67001942	21 00 05.85	−16 00 34.5	15.9	0.7	8501	27	341	7	1
81602522	21 38 30.84	−04 31 25.2	15.9	0.8	16219	11	268	14	1
81302133	20 40 42.55	−04 40 54.1	16.0	0.7	8611	19	140	13	3
74301907	21 19 33.98	−09 38 45.1	16.0	0.7	12340	14	297	11	1
74200901	21 05 07.05	−10 36 38.4	16.0	0.7	8780	19	213	5	1
74405800	21 34 26.16	−11 27 24.7	16.0	0.7	17794	21	266	11	1
81601843	21 41 57.89	−06 23 11.7	16.0	0.8	15768	31	249	1	3
81601806	21 42 05.59	−07 17 17.9	16.0	0.7	5998	9	121	15	2
67002128	20 59 13.51	−13 22 13.3	16.0	0.7	8492	17	197	9	2
81501871	21 22 42.66	−03 19 32.6	16.0	0.6	5640	20	77	15	2
81601380	21 44 05.41	−05 27 38.9	16.0	0.7	6584	15	92	11	1
74200951	21 04 47.84	−10 55 06.0	16.0	0.7	8269	10	141	12	2
81504194	21 12 07.77	−02 33 55.1	16.1	0.7	7957	7	111	3	2
67002172	20 58 59.41	−13 30 36.4	16.1	0.7	8822	19	254	7	1
81603573	21 33 47.15	−04 11 51.4	16.1	0.6	15726	30	195	2	2
81602191	21 40 10.46	−07 05 52.5	16.1	0.6	16043	33	321	1	2
74401426	21 36 27.77	−07 31 39.3	16.1	0.7	10425	21	49	24	2
81602252	21 39 51.84	−06 39 24.5	16.2	0.6	10348	30	134	6	2

Table 5. Spectroscopic parameters for the sample galaxies (continued).

Galaxy	Right Ascension	Declination	b_J	d	v_{hel}	err_v	σ	err_σ	Q_{spec}
81600601	21 47 54.17	−05 36 33.7	16.2	0.6	16715	17	325	19	2
67003806	20 50 17.86	−16 31 30.7	16.2	0.6	12891	21	330	5	1
81602134	21 40 27.29	−07 17 52.8	16.2	0.6	15015	31	251	2	2
74202489	20 55 31.78	−07 57 12.4	16.2	0.8	23717	30	349	6	3
67201815	21 36 19.16	−14 35 25.1	16.3	0.6	17930	23	446	16	2
67201810	21 36 28.63	−14 32 41.1	16.3	0.5	17972	16	286	2	2
81600354	21 49 07.77	−03 13 57.5	16.4	0.6	16461	17	228	13	1
74404851	21 45 19.53	−12 08 59.7	16.4	0.7	14761	22	175	7	1
81304119	20 31 56.30	−06 40 17.5	16.4	0.6	24394	37	360	11	1
67001459	21 02 45.64	−12 34 59.3	16.4	0.5	7940	16	128	10	1
67001377	21 03 14.05	−16 00 59.9	16.4	0.6	8511	19	134	8	1
67002239	20 58 37.77	−13 17 52.6	16.4	0.6	9258	12	167	49	1
74302893	21 21 43.60	−11 44 05.5	16.4	0.6	9011	20	133	12	1
81405246	20 55 21.94	−04 41 41.1	16.4	0.5	24804	50	452	18	1
74402668	21 46 34.70	−09 51 06.0	16.4	0.8	10281	37	315	11	1
74402837	21 44 20.85	−10 44 57.8	16.4	0.5	10820	14	193	8	1
81400846	21 08 17.34	−03 58 52.3	16.4	0.5	9427	5	317	9	1
74400638	21 44 34.04	−08 37 23.9	16.4	0.6	17950	22	259	17	1
67102743	21 28 57.59	−16 18 04.8	16.4	0.5	18655	17	320	15	1
67201875	21 34 48.75	−14 55 07.4	16.4	0.5	11424	17	297	34	1
81406413	20 52 10.94	−03 31 43.4	16.4	0.5	5823	17	51	15	1
66900782	20 44 16.43	−14 09 03.1	16.4	0.6	8742	4	110	9	1
67100128	21 29 20.05	−13 59 28.8	16.4	0.6	17408	13	322	17	1
88920974	21 53 26.20	−01 45 11.9	–	1.0	8045	17	323	14	1
88520340	20 44 50.30	+00 06 58.1	–	2.0	3804	16	172	15	1
88720594	21 11 23.79	+02 21 24.1	–	1.9	14544	37	154	10	3
88520337	20 44 36.89	+00 10 41.1	–	0.7	3865	7	41	31	3
Region 3									
68100721	00 41 02.46	−08 27 37.1	14.4	1.2	5960	20	142	14	1
60800316	00 28 18.95	−12 59 46.4	15.0	0.9	6137	21	73	24	1
68101448	00 32 08.14	−11 02 30.3	15.0	0.8	6210	18	154	13	1
68001213	00 15 02.00	−09 49 15.6	15.1	1.0	6718	23	169	7	1
68101358	00 33 27.93	−10 23 49.2	15.1	0.8	5982	14	195	12	1
68101582	00 30 00.82	−12 20 25.9	15.1	1.1	16971	5	155	5	2
61100299	01 25 02.07	−13 59 59.2	15.2	1.0	9894	18	212	11	1
68100166	00 48 45.71	−08 52 07.3	15.2	0.8	4282	15	168	11	1
68301163	01 13 59.64	−08 14 26.4	15.2	0.7	5552	16	165	12	1
61001080	01 06 22.24	−15 40 21.3	15.3	1.0	15911	15	263	21	1
68001229	00 14 54.03	−09 48 27.0	15.3	1.1	6823	9	118	14	1
68100890	00 39 18.72	−09 34 38.6	15.4	0.8	16690	24	354	10	2
68101426	00 32 25.81	−09 37 03.4	15.4	0.7	6969	11	148	11	1
68300617	01 22 47.56	−12 10 25.5	15.4	0.8	15021	28	257	15	1
61001389	00 57 46.77	−15 34 06.1	15.4	0.9	16567	26	341	6	2
68100622	00 42 27.48	−09 09 47.5	15.4	0.7	5804	3	203	21	3
68101215	00 35 26.55	−08 20 55.3	15.5	0.9	11214	34	204	9	2
60800542	00 26 07.72	−13 17 11.2	15.6	0.7	7778	12	223	12	1
61002238	00 56 22.55	−16 44 20.3	15.6	0.8	16284	28	339	13	3
68300547	01 23 55.82	−08 49 25.6	15.6	0.7	5253	13	87	11	2
68201452	00 55 39.28	−08 29 15.7	15.6	1.1	4602	8	178	26	1
61001909	01 06 21.72	−16 12 47.6	15.7	0.9	12597	21	345	8	2
68101346	00 33 36.91	−07 58 26.3	15.7	0.6	11191	13	245	15	2

Table 5. Spectroscopic parameters for the sample galaxies (continued).

Galaxy	Right Ascension	Declination	b_J	d	v_{hel}	err_v	σ	err_σ	Q_{spec}
60901605	00 31 47.85	−12 55 55.0	15.8	0.7	8030	16	265	13	1
61002004	01 03 47.71	−16 48 34.6	15.8	0.8	11242	29	276	18	1
61100351	01 23 38.67	−13 40 53.1	15.8	0.9	14201	26	326	3	2
68201703	00 53 20.82	−10 15 22.6	15.8	0.8	16356	9	209	12	2
60800452	00 27 00.10	−14 16 10.3	15.9	0.7	16200	14	203	14	2
68201935	00 51 05.05	−08 31 35.7	15.9	0.8	13297	28	275	4	1
68101515	00 31 01.35	−09 28 13.5	15.9	0.6	5543	17	31	23	2
68100388	00 45 20.77	−12 03 50.9	15.9	0.5	5886	14	87	6	1
68101166	00 36 02.25	−09 23 15.9	16.0	0.5	6094	20	44	21	1
68201775	00 52 43.24	−11 31 48.3	16.0	0.7	16375	20	273	13	1
68101270	00 34 38.49	−09 43 55.1	16.0	0.6	15877	18	141	18	3
68100879	00 39 21.80	−11 06 24.8	16.0	0.6	15860	19	199	3	1
61102514	01 16 52.44	−16 54 12.4	16.1	0.6	6061	8	110	13	2
68201336	00 57 07.98	−09 09 03.2	16.1	0.7	16614	23	213	15	1
61000670	00 53 34.10	−13 37 41.5	16.1	0.6	16804	26	408	6	1
61100750	01 14 38.10	−14 15 39.3	16.1	0.6	15411	29	304	13	1
68201473	00 55 25.46	−09 47 42.8	16.1	0.6	15060	23	210	17	1
68101018	00 37 47.50	−07 43 43.7	16.1	0.6	3692	5	6	6	1
61100580	01 18 30.28	−14 06 42.2	16.2	0.6	15384	7	349	18	1
68201394	00 56 21.84	−09 02 42.6	16.3	0.5	8055	7	133	13	1
68100760	00 40 38.46	−10 08 07.2	16.3	0.5	15142	7	220	5	3
68300512	01 24 25.53	−07 37 57.6	16.3	0.5	10191	32	344	3	1
61100364	01 23 19.43	−12 46 09.6	16.4	0.5	10262	24	218	3	1
61101581	01 18 08.13	−14 07 33.0	–	–	14708	3	246	12	1
61101582	01 18 06.14	−14 07 33.6	–	–	16458	10	236	18	1
61101583	01 17 52.50	−14 09 06.4	–	–	15292	19	224	8	1
61101584	01 17 52.46	−14 14 09.7	–	–	20954	5	326	11	1
61001081	01 06 29.38	−15 41 12.2	–	–	17451	28	454	10	2
61001082	01 06 21.22	−15 41 17.3	–	–	16530	29	170	13	2
61001084	01 06 25.64	−15 42 15.1	–	–	16913	12	228	8	2
61001085	01 06 33.34	−15 46 50.8	–	–	16300	10	158	17	3

Table 6. Spectroscopic parameters for the standard galaxies.

Galaxy	Right Ascension	Declination	v_{hel}	err_v	σ	err_σ	Q_{spec}
NGC 5831	15 01 34	+01 24 54	1648	19	139	3	1
NGC 5845	15 03 28	+01 49 36	1383	15	196	2	1
NGC 5846A	15 03 56	+01 47 12	1688	18	232	3	1
NGC 6020	15 55 00	+22 33 00	4307	16	173	15	1
NGC 6051	16 02 48	+24 03 54	9578	17	347	13	2
NGC 6086	16 10 36	+29 36 54	9549	25	313	15	1
NGC 7619	23 17 43	+07 56 00	3753	14	269	14	1
NGC 7626	23 18 10	+07 56 36	3431	15	313	8	1
NGC 227	00 43 03	−01 48 18	5434	16	243	15	1
IC 1696	01 22 19	−01 52 42	5860	11	166	8	2
NGC 533	01 22 57	+01 30 00	5521	13	224	20	1
NGC 636	01 36 36	−07 45 54	1861	19	155	3	1
NGC 7468	23 00 30	+16 20 00	2094	22	137	40	2
NGC 7751	23 44 24	+06 35 00	3247	10	123	3	2
NGC 541	01 23 12	−01 38 00	5401	20	186	14	1
NGC 545	01 23 24	−01 36 00	5296	18	203	14	2
NGC 1550	04 17 00	+02 18 00	3714	23	327	15	1
NGC 1587	04 28 06	+00 33 00	3597	22	239	16	1