

Table 1. Observed Group Galaxy Properties

(1) QSO ^a	(2) J-Name ^a	(3) z_{gal}	Galaxy ID				B-band				K-band			
			(4) $\Delta\alpha$ (arcsec)	(5) $\Delta\delta$ (arcsec)	(6) θ	(7) Ref ^b	(8) m_g^c	(9) Band ^d	(10) Ref ^b	(11) m_g^e	(12) Band ^d	(13) Ref ^b	(14) SED ^f	
SDSS	J003340.21-005525.53	0.1760	-8.2	7.2	10.91	6	20.98	$g(\text{AB})$	14	19.72	$r(\text{AB})$	14	E/S0	
		0.1758	18.9	2.7	19.09	6	21.01	$g(\text{AB})$	14	20.61	$r(\text{AB})$	14	Im	
SDSS	J005244.23-005721.7	0.13429	-4.7	12.6	13.42	10	16.84	$r(\text{AB})$	14	13.53	$K_s(\text{V})$	15	E/S0	
		0.13465	-3.1	35.4	35.55	10	19.52	$g(\text{AB})$	14	19.52	$r(\text{AB})$	14	Scd	
		0.38260	8.5	-7.8	11.47	3, 19 ^h	21.15	F702W(V)	3	...	...	...	(Sbc)
		0.38024	-0.3	16.1	16.10	19	22.81	F702W(V)	25	...	...	...	(Sbc)
0150-202^k	J015227.32-200107.10	0.38146	-7.8	15.9	17.51	19	22.63	F702W(V)	25	...	...	...	(Sbc)
		0.38140	-4.8	-27.3	27.67	19	21.66	F702W(V)	25	...	...	...	(Sbc)
		0.38135	14.7	-28.1	31.31	19	20.91	F702W(V)	25	...	...	...	(Sbc)
0151+045	J015427.99+044818.69	0.160	-6.2	-1.7	6.40	1	19.10	$R_{\text{EFOSC}}(\text{V})$	1	...	...	...	(Sbc)
		0.160	-3.0	10.5	10.90	1	20.20	$R_{\text{EFOSC}}(\text{V})$	1	...	...	...	(Sbc)
0226-4110 ^k	J022815.17-405714.3	0.2065	-9.1	-8.4	10.87	21	21.94	$R_J(\text{AB})$	21	21.20	$I_J(\text{AB})$	21	E/S0	
		0.2078	-24.9	-25.9	32.04	21	20.29	$R_J(\text{AB})$	21	19.38	$I_J(\text{AB})$	21	E/S0	
0226-4110 ^k	J022815.17-405714.3	0.2678	16.9	-13.0	18.21	21	20.18	$R_J(\text{AB})$	21	19.32	$I_J(\text{AB})$	21	E/S0	
		0.2690	8.5	-36.7	37.25	21	22.85	$R_J(\text{AB})$	21	22.16	$I_J(\text{AB})$	21	E/S0	
		0.2680	36.2	-29.2	39.98	21	21.61	$R_J(\text{AB})$	21	20.96	$I_J(\text{AB})$	21	Sbc	
0349-146 ^k	J035128.54-142908.71	0.324180 ^g	13.0	-23.5	26.72	22	20.00	F702W(AB)	22	18.40	$K_s(\text{AB})$	22	E/S0	
		0.324651 ^g	-29.0	18.5	34.44	22	19.50	F702W(AB)	22	18.10	$K_s(\text{AB})$	22	Sbc	
0405-123	J040748.43-121136.65	0.16699 ^g	-1.1	34.8	34.81	22	21.04	$R_J(\text{AB})$	23	21.00	$K_s(\text{AB})$	22	Im	
		0.16699 ^g	41.3	-1.8	40.36	22	17.43	$R_J(\text{AB})$	23	16.60	$K_s(\text{AB})$	22	Im	
0450-131	J045313.48-130555.84	0.4941	5.8	-5.9	8.26	3	21.55	F702W(V)	3	17.64	$K_s(\text{V})$	7	E/S0	
		0.4931	6.4	-8.1	10.34	3	21.52	F702W(V)	3	17.64	$K_s(\text{V})$	7	E/S0	
		0.2835	11.6	-7.2	10.96	17	22.74	$R_J(\text{AB})$	17	...	...	...	(Sbc)
		0.2821	12.6	17.6	19.82	17	20.82	$R_J(\text{AB})$	17	...	...	...	(Sbc)
0515-4414	J051707.61-441056.2	0.2825	-25.2	-8.5	19.93	17	19.07	$R_J(\text{AB})$	17	...	...	...	(Sbc)
		0.2823	32.2	-4.5	23.52	17	18.73	$R_J(\text{AB})$	17	...	...	...	(Sbc)
		0.2826	-40.7	-7.7	30.16	17	18.72	$R_J(\text{AB})$	17	...	...	...	(Sbc)

Table 1—Continued

(1) QSO ^a	(2) J-Name ^a	Galaxy ID					B-band				K-band			
		(3) z_{gal}	(4) $\Delta\alpha$ (arcsec)	(5) $\Delta\delta$ (arcsec)	(6) θ	(7) Ref ^b	(8) m_g^c	(9) Band ^d	(10) Ref ^b	(11) m_g^e	(12) Band ^d	(13) Ref ^b	(14) SED ^f	
SDSS	J074528.15+191952.68	0.4582	-15.0	7.5	16.02	6	20.92	g(AB)	14	19.81	r(AB)	14	Scd	
		0.4582	-13.2	11.2	16.75	6	21.13	g(AB)	14	20.33	r(AB)	14	Im	
SDSS	J083220.74+043416.78	0.171224 ^g	12.9	-17.0	21.32	6	19.95	g(AB)	14	19.55	r(AB)	14	Im	
		0.1678	-29.5	-30.2	42.15	6	18.81	g(AB)	14	17.71	r(AB)	14	E/S0	
		0.168222 ^g	-32.7	-39.0	50.83	6	19.12	g(AB)	14	18.19	r(AB)	14	Sbc	
SDSS	J092554.71+400414.17	0.2475	-8.0	-20.8	21.64	20	20.28	g(AB)	14	18.63	r(AB)	14	E/S0	
		0.2467	-7.2	-24.1	24.69	20	20.31	g(AB)	14	19.55	r(AB)	14	Sbc	
		0.1537	-3.5	-14.7	14.82	20	20.64	g(AB)	14	20.05	r(AB)	14	Scd	
SDSS	J092837.98+602521.02	0.1542	30.2	-12.1	19.19	20	19.57	g(AB)	14	18.99	r(AB)	14	Scd	
		0.1540	67.2	-12.3	35.38	20	19.47	g(AB)	14	18.40	r(AB)	14	E/S0	
SDSS	J100902.06+071343.87	0.35585 ^g	3.2	0.03	3.13	20	24.10	F390W(AB)	24	23.21	F625W(AB)	24	Im	
		0.35587 ^g	1.7	-9.3	9.41	20	21.65	g(AB)	14	20.96	r(AB)	14	Im	
1038+064	J104117.16+061016.92	0.306088 ^g	14.1	15.4	20.70	2	18.48	F702W(V)	2	15.30	K_s (V)	8	E/S0	
		0.304858 ^g	10.7	25.5	27.61	2	20.87	F702W(V)	2	...	...	...	(Sbc)
		0.31207 ^g	-3.9	0.5	3.85	9	21.55	F814W(V)	9	...	...	...	(Sbc)
		0.3132	9.3	3.8	10.01	9	18.81	F814W(V)	9	16.15	K_s (V)	7	E/S0	
1127-145	J113007.05-144927.38	0.3124	7.8	16.0	17.77	9	18.64	F814W(V)	9	...	...	...	(Sbc)
		0.31139 ^g	21.7	-1.2	21.76	9	19.79	F814W(V)	9	...	...	...	(Sbc)
1127-145	J113007.05-144927.38	0.32839	14.7	-6.9	16.23	3	20.19	F814W(V)	3	...	...	...	(Sbc)
		0.32847	0.7	19.3	19.29	3	18.89	F814W(V)	3	...	...	...	(Sbc)
SDSS	J113327.78+032719.17	0.2367	4.5	-1.7	4.79	20	19.84	g(AB)	14	18.62	r(AB)	14	E/S0	
		0.2364	-4.1	-9.6	10.39	20	20.16	g(AB)	14	19.01	r(AB)	14	Sbc	
SDSS	J114830.12+021829.78	0.3206	12.3	-21.9	25.11	6	21.45	g(AB)	14	19.89	r(AB)	14	E/S0	
		0.3206	13.4	-26.9	30.05	6	21.28	g(AB)	14	19.73	r(AB)	14	E/S0	
SDSS	J121347.52+000129.99	0.2259	-5.7	6.6	8.72	6	20.59	g(AB)	14	19.20	r(AB)	14	E/S0	
		0.2258	-6.4	11.3	12.99	6	21.06	g(AB)	14	20.29	r(AB)	14	Scd	

Table 1—Continued

(1) QSO ^a	(2) J-Name ^a	Galaxy ID						B-band				K-band			
		(3) z_{gal}	(4) $\Delta\alpha$ (arcsec)	(5) $\Delta\delta$ (arcsec)	(6) θ	(7) Ref ^b	(8) m_g^c	(9) Band ^d	(10) Ref ^b	(11) m_g^e	(12) Band ^d	(13) Ref ^b	(14) SED ^f		
SDSS	J132831.08+075942.01	0.2537	1.0	-18.1	18.13	6	21.74	$g(\text{AB})$	14	20.47	$r(\text{AB})$	14	E/SO		
		0.2537	-6.8	23.2	24.16	6	20.38	$g(\text{AB})$	14	19.06	$r(\text{AB})$	14	E/SO		
		0.2549	-26.4	21.2	33.66	6	20.21	$g(\text{AB})$	14	19.39	$r(\text{AB})$	14	Scd		
SDSS	J144033.82+044830.9	0.11271	11.1	-5.8	12.49	10	18.17	$g(\text{AB})$	14	18.17	$r(\text{AB})$	14	Scd		
		0.11277	25.5	19.5	32.05	10	16.79	$g(\text{AB})$	14	16.79	$r(\text{AB})$	14	Sbc		
1556–245	J155941.40–244238.83	0.769	-3.0	4.7	5.60	1	22.70	$R_{\text{EFOSC}}(\text{V})$	1	...	...	...	(Sbc)
		0.771	-6.0	4.5	7.50	1	21.40	$R_{\text{EFOSC}}(\text{V})$	1	...	...	...	(Sbc)
1622+238	J162439.08+234512.20	0.36809 ^g	-21.5	-6.3	22.43	3	19.45	F702W(V)	3	15.90	$K_s(\text{V})$	4	E/SO		
		0.368	-24.1	5.3	24.64	4	23.25	F702W(V)	3	19.52	$K_s(\text{V})$	4	E/SO		
1623+269	J162548.79+264658.75	0.888	-1.0	6.1	6.21	3	23.63	F702W(V)	3	18.30	$K_s(\text{V})$	8	E/SO		
		0.888	-2.8	8.8	9.27	3	23.59	F702W(V)	3	...	...	...	(Sbc)
SDSS	J204431.46+011312.43	0.1921	6.1	-3.6	7.08	6	21.40	$g(\text{AB})$	14	20.66	$r(\text{AB})$	14	Sbc		
		0.1927	-2.1	-7.5	7.79	6	20.15	$g(\text{AB})$	14	18.93	$r(\text{AB})$	14	E/SO		
		0.6668	6.3	-3.7	7.10	16	20.79	$i'(\text{AB})$	16	...	...	...	(Sbc)
		0.6643	8.3	-3.2	8.60	16	20.34	$i'(\text{AB})$	16	...	...	...	(Sbc)
		0.6647	12.6	-2.4	12.40	16	22.08	$i'(\text{AB})$	16	...	...	...	(Sbc)
		0.6648	-14.5	-19.4	23.90	16	20.88	$i'(\text{AB})$	16	...	...	...	(Sbc)
		0.430200 ^g	6.7	5.4	8.63	3	20.43	F702W(V)	3	17.12	$K_s(\text{V})$	7	E/SO		
		0.43072	8.9	-5.9	10.52	18	25.73	F702W(V)	25	...	...	...	(Sbc)
2128–123^k	J213135.26–120704.79	0.43006	-17.2	-19.5	25.76	18	...	...	...	...	...	...	...
		0.42982	-15.5	-26.4	30.45	18	...	...	...	...	...	...	...

^aGroups included in the kinematics analysis are marked with bold-faced field names. We have the HIRES/Keck or UVES/VLT spectra for each bolded group, and have measurable MgII above our detection threshold.

^bGalaxy Identification and Apparent Magnitude Reference: (1) Guillemin & Bergeron (1997), (2) this work, (3) Kacprzak et al. (2011b), (4) Steidel et al. (1997), (6) Chen et al. (2010), (7) Steidel et al. (1994), (8) Steidel (personal communication), (9) Kacprzak et al. (2010b), (10) Kacprzak et al. (2011a), (14) NED/SDSS, (15) NED/2MASS, (16) Whiting et al. (2006), (17) Bielby et al. (2017), (18) Péroux et al. (2017), (19) Rahmani et al. (2018), (20) Wenk et al. (2012), (21) Chen & Mulchaey (2009), (22) Chen et al. (2001), (23) Johnson et al. (2013), (24) Meiring et al. (2011), and (25) this work.

^cApparent magnitude used to obtain M_B .

^dMagnitude Band and Type: (AB) AB magnitude, and (V) Vega magnitude.

^eApparent magnitude used to obtain M_K .

^fGalaxy Spectral Energy Distributions: (Sbc) No color information – Sbc used.

^gRedshift measured from Keck/ESI spectrum (this work).

^hThe right ascension and declination for this galaxy reported by Rahmani et al. (2018) is incorrect.

^kOriginally included as an isolated galaxy in MAGIICAT (Nielsen et al. 2013a,b).