

Table 1: Catalog of supermassive black holes

Object	M , $10^8 M_\odot$	D_A , Mpc	Angular size, $\mu\text{sec arc}$	Right ascension, h. m. s.	Decli- nation, deg.	Fre- quency, GHz	Flux, Jy	Reference
1	2	3	4	5	6	7	8	9
Mrk 0335	0.063 0.14 0.16	107 107 111	0.0006 0.001 0.001	00 06 19.521	+ 20 12 10.49	20	< 0.002	[31] [33] [3]
Mrk 1501	1.1	382 344 (z)	0.003 0.003	00 10 31.0	+ 10 58 30	22-24 41-43 100 230	0.5-1.6 1.0-3.6 1.6 0.48	[3]
S5 0014+81	400	1531	0.26	00 17 08.5	+ 81 35 08	15 30-31	0.47-0.916 0.63-1.4	[16]
PG 0026+129	0.5 4 2.9	515 515 608	0.001 0.008 0.006	00 29 13.600	+ 13 16 03.00	300	< 1.6	[31] [33] [3]
NGC 0193	2.5	50	0.05	00 39 18.6	+ 03 19 52	8	0.43	[3]
NGC 0205 M 110	< 0.0002	0.7	< 0.0003	00 40 22.1	+ 41 41 07	1.4 1500	< 0.2 4	[3]
Holmberg 15A *MCG-02- 02-086	100 (10- 3100)	224 (z)	0.45	00 41 50.5	- 09 18 11	22.5 43	0.002 < 0.002	[26]
NGC 221 M 32	0.031 0.024 0.025	0.86 0.81 0.8	0.04 0.03 0.03	00 42 41.8	+ 40 51 55	1.4 1500	< 0.0007 < 0.27	[19]; [5] [38] [3]
NGC 224 M 31	1.5 1.4	0.8 0.77	1.85 1.80	00 42 44.35	+ 41 16 08.6	5 1900	0.036 7800	[19]; [5] [38]; [3]
NGC 0289	0.2	17.1	0.01	00 52 42.3	- 31 12 21	1.4 3000	0.05 16	[3]
PG 0052+251	2.2 4 2.8	551 551 661	0.004 0.007 0.005	00 54 52.100	+ 25 25 38.00	9 1764	0.0007 0.125	[31] [33] [3]
NGC 0300	< 2×10^{-6}	2.2	< 10^{-6}	00 54 53.5	- 37 41 04	1900	162	[3]
NGC 307	4	52.8	0.07	00 56 32.6	- 01 46 19	3000	< 0.157	[38] [3]
NGC 0315	8.3	58	0.14	00 57 48.9	+ 30 21 09	22 41 100 300	0.79 1 0.35 0.062	[3]
SDSS J0100 +2802	124	1146 (z)	0.10	01 00 13.02	- 28 02 25.8		in NED absent	[46]
NGC 0383	5.8	59	0.10	01 07 24.9	+ 32 24 45	10 100 300	1-1.2 0.079 0.074	[3]

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1	2	3	4	5	6	7	8	9
NGC 0404	0.004	3.1	0.001	01 09 27.0	35 43 05	15 95 1900	< 0.001 < 0.008 3.4	[3]
NGC 0428	< 0.0003	16.1	< 0.00002	01 12 55.7	+ 00 58 54	15 3000	< 0.0009 4.3	[3]
SDSS J011521.20 +152453.3	27	1519 (z)	0.02	01 15 21.20	+ 15 24 53.3		in NED absent	[47]
Fairall 0009	2.5 1.9	190 201	0.01 0.009	01 23 45.8	- 58 48 21	12500	0.4	[33] [3]
NGC 524	8.3 8.7	23.3 24.2	0.35 0.36	01 24 47.7	+ 09 32 20	15 3000	0.0015 1.8	[5] [38]; [3]
NGC 0541	3.9	64	0.06	01 25 33.3	- 01 22 46	22 43 100 300	0.011 0.007 0.005 0.027	[3]
SDSS J013127.34 -032100.1	110	1273 (z)	0.09	01 31 27.34	- 03 21 00.1		in NED absent	[17]
NGC 0598	$< 1.4 \times 10^{-5}$	0.8	$< 2 \times 10^{-5}$	01 33 50.9	+ 30 39 37	8.4 1900	0.8 1.9	[3]
NGC 0613	0.40	15	0.03	01 34 18.2	- 29 25 06	5 3000	0.081 56.9	[3]
SDSS J014214.75 +002324.2	63	1529 (z)	0.04	01 42 14.75	+ 00 23 24.2		in NED absent	[47]
UGC 01214	< 0.5	60	< 0.008	01 43 57.8	+ 02 21 00	20 1900	< 0.002 1.1	[3]
UGC 01395	< 0.07	61	< 0.001	01 55 22.0	+ 06 36 43	20 3000	0.004 1.2	[3]
NGC 0741	4.7	66	0.07	01 56 21.0	+ 05 37 44	5 3000	0.006 0.78	[3]
SDSS J015741.57 -010629.6	98	1499 (z)	0.07	01 57 41.57	- 01 06 29.6		in NED absent	[47]
NGC 0788	0.83	48	0.02	02 01 06.4	- 06 48 56	3000	0.59	[3]
NGC 0821	0.42 1.8 1.6	25.5 25.5 23.4	0.02 0.07 0.07	02 08 21.15	+ 10 59 41.53	2.4 1500	0 < 0.3	[19] [5] [38]; [3]
NGC 0863	0.5	91	0.005	02 14 33.5	- 00 45 58	20	0.004	[33]
Mrk 590	0.35	113	0.003			3000	1.5	[3]
Mrk 1029	0.02	124	0.0002	02 17 03.5	+ 05 17 31	5 3000	< 0.005 2.1	[3]
3C66B UGC 01841	3.0	75	0.04	02 23 11.411	+ 42 59 31.38	23 41 100 300	1.8-2.1 1.3-1.5 0.1 0.073	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
QSO B0222+185 LQAC 036+018 001	40	1637 (z)	0.02	02 25 04.7	+ 18 46 49	15 24	0.4 0.21	[16]
NGC 1023	0.46 0.41 0.42	12.1 10.8 10.8	0.04 0.04 0.04	02 40 24.0	+ 39 03 48	1.4 1875	0.0004 < 0.0248	[19]; [5] [38] [3]
NGC 1042	< 0.0003	18	< 2×10^{-5}	02 40 24.0	- 08 26 01	3000	5.9	[3]
NGC 1052	1.7	18	0.09	02 41 04.8	- 08 15 21	22 41 94 3000	1.6 0.6 0 1.5	[3]
NGC 1068 M 77	0.086 0.084	15.4 15.9	0.006 0.005	02 42 40.7	- 00 00 48	20-25 43 100 230 350 860	0.16-0.9 0.02-0.18 0.036 0.022-0.17 0.04 32	[19]; [5] [38]; [3] [34]
NGC 1097	1.4	15	0.09	02 46 19.0	- 30 16 30	15 350 600 850	0.005 1.4 13-16 31-40	[3]
SDSS J025021.76 -075749.9	31	1535 (z)	0.02	02 50 21.76	- 07 57 49.9		in NED absent	[47]
NGC 1128 3C 75	2.8	96	0.03	02 57 42.63	+ 06 01 04.8	10.7 3000	1.3 < 0.1	[1], est. accrd. to buldge mass
SDSS J025905.63 +001121.9	32	1530 (z)	0.02	02 59 05.63	+ 00 11 21.9		in NED absent	[47]
SDSS J030341.04 -002321.9	30	1552 (z)	0.02	03 03 41.04	- 00 23 21.9		in NED absent	[47]
NGC 1194	0.68 0.7	55.5 58	0.01 0.01	03 03 49.1	- 01 06 13	5 3000	0.0015 < 0.92	[5] [38]; [3]
SDSS J030449.85 -000813.4	13	1543 (z)	0.008	03 04 49.85	- 00 08 13.4		in NED absent	[47]
NGC 1269 NGC 1291	2.6	9.7	0.26	03 17 18.3	- 41 06 26	5 600 850	0.043 3.5-6.4 8-13	[15] mass est. by X-ray lum.
NGC 1271	34	84	0.40	03 19 11.3	+ 41 21 12	138000	0.046	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 1300	0.71 0.76	20.1 21.5	0.03 0.03	03 19 41.1	-19 24 41	5 3000	0.01 10	[19]; [5] [38]; [3]
NGC 1275 Perseus A	3.4 9.5	75 70	0.04 0.13	03 19 48.1	+ 41 30 42	43 100 226-230 270 350	6.9-7.9 7.7 27-4.8 19 1-2	[44] [3]
NGC 1277	47	71	0.65	03 19 51.49	+ 41 34 24.7	3000	< 0.7	[3]
NGC 1316 Fornax A	1.5	18.6	0.08	03 22 41.8	- 37 12 29.52	23 41 94 600 850	11.7-18.6 2.3-10.7 0.7-1.4 0.82 2.1	[5]; [38]; [3]
NGC 1320 Mrk 0607	0.05	49	0.001	03 24 48.7	- 03 02 32	8.4 1500	0.001 1.06	[3]
NGC 1332	14.5 6.8	22.3 22.3	0.64 0.30	03 26 17.321	- 21 20 07.33	5 1700	0.005 1.56	[5]; [38] [3]
NGC 1358	2.3	48	0.05	03 33 39.7	- 05 05 22	1.4 3000	0.021 0.925	[3]
NGC 1374	5.8	19.2	0.30	03 35 16.6	- 35 13 35	5 1700	0.0008 < 0.028	[38]; [3]
NGC 1386	0.01	16	0.0006	03 36 46.2	- 35 59 58	8.4 3000	0.01 9.6	[3]
NGC 1399	5.1 13 8.8 8.7	21.1 21.1 20.9 20.9	0.24 0.61 0.42 0.41	03 38 29.08	- 35 27 02.67	8.5 1875	0.36 0.02	[19]; [5] [38] [3]
NGC 1398	1.1	24.8	0.04	03 38 52.1	- 26 20 16	3000	9	[38]; [3]
NGC 1407	45	28	1.6	03 40 11.8	-18 34 48	5 1900	0.034 0.092	[38]; [3]
NGC 1428	< 0.1	21	< 0.005	03 42 22.7	- 35 09 14	3000	0.21	[3]
IC 0342	0.03	3.7	0.008	03 46 48.5	+ 68 05 47	28 38 230 300 600 850	0.033 0.026 0.25 < 8 102 261	[3]
NGC 1493	< 0.003	11	0.0003	03 57 27.4	- 46 12 39	5 3000	0.002 8.2	[3]
NGC 1497	4.2	75	0.06	04 02 06.8	+ 23 07 59	5	0.04	[3]
NGC 1550	37	51.6	0.72	04 19 37.9	+ 02 24 34	2.3 3000	0.008 < 0.245	[38]; [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 1600	170	64	2.6	04 31 39.9	- 05 05 10.0	5 3000	0.016 0.190	[3]
3C 120 Mrk 1506	0.2 0.5 0.54	136 136 141	0.001 0.004 0.004	04 33 11.1	+ 05 21 16	22 41 94 230	2.2-5.7 1.9-2.5 2.1-3 1.6	[31]; [33] [?] [3]
J0437 +2456 WISEP J043703.69 +245606.9	0.03	66	0.0005	04 37 03.7	+ 24 56 07	12500	0.023-0.026	[3]
NGC 1667	1.6	56	0.03	04 48 37.1	- 06 19 12	8.5 350 670	8-18 0.16 1.2	[3]
H0507+164	0.05	77	0.0004	05 10 45.5	+ 16 29 56	1.4 3000	0.006 < 3.4	[3]
Mrk 1095 Ark 120	1.5 1.1	135 140	0.01 0.008	05 16 11.4	- 00 08 59	15 40 90 230	0.002 < 0.34 < 0.09 < 0.156	[33] [3] orb. period 20 years
SAGE1C J053634.78 -722658.5	3.5	509 (z)	0.007	05 36 34.78	- 72 26 58.5	4.75 1875	0.04 < 0.004	[25]
QSO 0537 -286 HB89 0537-286	20	1572 (z)	0.01	05 39 54.3	- 28 39 56	20-23 31 41 94	0.7-1.6 0.23 0.7 0.4	[16]
NGC 1961	1.9	49	0.04	05 42 04.6	+ 69 22 42	100 3000	0.003 22-23	[3]
NGC 2110	1.3	29	0.04	05 52 11.4	- 07 27 22	8.4 3000	0.01 5.7	[3]
MCG+08-11-011 UGC 03374	0.28	84	0.003	05 54 53.6	+46 26 22	5 3000	0.083 4.2	[11]; [12]
NGC 2139	< 0.002	24	< $8 \cdot 10^{-5}$	06 01 07.8	- 23 40 22	5 3000	0.043 14	[3]
NGC 2179	2.0	36	0.05	06 08 02.2	- 21 44 48	1.4	0.015	[3]
NGC 2273	0.078 0.086 0.085	26.8 29.5 29.5	0.003 0.003 0.003	06 50 08.6	+ 60 50 45	23 3000	< 0.004 10	[5] [38] [3]
Mrk 0006 IC 0450	1.2	81	0.01	06 52 12.2	74 25 37	11 1900	0.059 5.4	[3]
Mrk 374	0.2	173	0.001	06 59 38.1	+ 54 11 48	4.8 3000	< 0.005 < 0.68	[11]
ESO 558 -009	0.17	102.5	0.002	07 04 21.0	- 21 35 19	1.4	0.013	[3]
NGC 2329	1.5	72	0.02	07 09 08.0	+ 48 36 56	5 3000	0.07 < 0.189	[3]

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1	2	3	4	5	6	7	8	9
UGC0 3789	0.108 0.097 0.098	48.4 49.9 49.9	0.002 0.002 0.002	07 19 30.9	+ 59 21 18	22 3000	0.134 3.4	[5] [38] [3]
ZwCl 0735.7+7421 MS 0735.6+7421	50	723 (z)	0.07	07 41 44.8	+74 14 52	100000	0.0004	[29] &
Mrk 079 UGC 03973	0.5 0.4	135 95	0.004 0.004	07 42 32.8	+ 49 48 35	5 1500	0.01 0.85	[33] [3]
SDSS J074352.02 +271239.5	0.9	807	0.001	07 43 52.02	+ 27 12 39.5	3000	< 0.47	[10]
SDSS J074521.78 +734336.1	195	1554 (z)	0.13	07 45 21.78	+ 73 43 36.1		in NED absent	[47]
QSO B0746+254	50	1591 (z)	0.13	07 46 25.9	+ 25 49 02	22.5 43	0.43 0.32	[16]
SDSS J075051.72 +245409.3	0.5	1109 (z)	0.0004	07 50 51.72	+ 24 54 09.3	14000	0.034	[10]
SDSS J075101.42 +291419.1	0.2	449	0.0004	07 51 01.42	+ 29 14 19.1	1.4 14000	0.002 0.05	[10]
SDSS J075303.34 +423130.8	123	1496 (z)	0.08	07 53 03.34	+ 42 31 30.8	30	0.058	[47]
SDSS J075819.70 +202300.9	55	1470 (z)	0.04	07 58 19.70	+ 20 23 00.9	14000	0.003	[47]
SDSS J075949.54 +320023.8	0.2	648	0.0003	07 59 49.54	+ 32 00 23.8	14000	0.011	[10]
SDSS J080430.56 +542041.1	135	1470 (z)	0.09	08 04 30.56	+ 54 20 41.1	14000	0.004	[47]
WISE J080518.15 +614424.0	15	1583 (z)	0.009	08 05 18.2	+ 61 44 24	23 41 94	0.7-0.9 0.6-0.7 0.3	[16]
SDSS J080819.69 +373047.3	151	1513 (z)	0.10	08 08 19.69	+ 37 30 47.3	14000	0.002	[47]
SDSS J080956.02 +502000.9	33	1544 (z)	0.02	08 09 56.02	+ 50 20 00.9	14000	0.003	[47]
PG 0804+761	7 5.2	380 428	0.02 0.01	08 10 58.6	+76 02 43	250	< 0.005	[33] [3]

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1	2	3	4	5	6	7	8	9
SDSS J081441.91 +212918.5	0.2	576	0.0003	08 14 41.91	+ 21 29 18.5	25000	0.003	[10]
SDSS J081855.77 +095848.0	120	1479 (z)	0.08	08 18 55.77	+ 09 58 48.0	14000	0.007	[47]
NGC 2549	0.14 0.14	12.3 12.7	0.01 0.01	08 18 58.3	+ 57 48 11	1.4 3000	< 0.0001 0.37	[5] [3]
SDSS J082535.19 +512706.3	112	1508 (z)	0.07	08 25 35.19	+ 51 27 06.3	14000	0.004	[47]
Mrk 1216	20	94	0.21	08 28 47.1	- 06 56 25	5	0.009	[3]
APM 08279+5255 IRAS F 08279+5255	230 100	1447 (z) 1447(z)	0.16 0.07	08 31 41.7	+ 52 45 18	100 250 300 660 857	0.001 0.034 0.06 0.34 0.386	[35] [39]
NGC 2617	0.4 0.32	59 59	0.007 0.005	08 35 38.8	- 04 05 18	1.4 3000	0.03 2	[41] [11]; [12]
SDSS J083553.46 +055317.1	0.07	694	0.0001	08 35 53.46	+ 05 53 17.1	14000	0.03	[10]
Henize 2-10	< 0.1	9.0	< 0.01	08 36 15.199	- 26 24 33.62	HST		[3]
SDSS J084533.28 +474934.5	0.07	924	0.00008	08 45 33.28	+ 47 49 34.5	14000	0.006	[10]
PG 0844+349	0.9 0.2	254 (z)	0.003	08 47 42.4	+ 34 45 04	1900	0.1	[33]
OJ 287	180 1	930 930	0.19 0.001	08 54 48.88	+ 20 06 39.6	22-23 43 100 240 340 800	2.4-6.1 1.6-2.9 4.5 1.4-3 4.5 1.3-1.7	[42] secondary BH
NGC 2685	< 0.04	12.5	0.003	08 55 34.7	+ 58 44 04	15 3000	< 0.001 1.7-1.9	[3]
SDSS J090033.50 +421546.0	47	1543 (z)	0.03	09 00 33.50	+ 42 15 47.0		in NED absent	[47]
Q0906+6930 LQAC 136+069001	20	1238 (z)	0.02	09 06 30.7	+ 69 30 31	15 43	0.006-0.1 0.004-0.04	[37]
NGC 2778	0.16 < 0.14	24.2 23.4	0.007 < 0.006	09 12 24.4	+ 35 01 39	2.4 1900	0.002 < 0.028	[19] [3]

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1	2	3	4	5	6	7	8	9
NGC 2748	0.47 0.44 0.45	24.9 23.4 23.4 19.64	0.02 0.02 0.02	09 13 43.0	+ 76 28 31	1.4 3000	0.055 17-19	[19]; [5] [38] [3] NED
NGC 2787	0.43 0.4 0.41	7.9 7.5 7.4	0.05 0.05 0.05	09 19 18.6	+ 69 12 12	15 96 1900	0.01 0.015 0.7	[19]; [5] [38] [3]
Mrk 0110	0.25 0.19	144 151	0.002 0.001	09 25 12.9	+ 52 17 11	1.4 3000	0.01 0	[33] [3]
NGC 2903	0.11	10	0.01	09 32 10.1	+ 21 30 03	28 38 230 350 670 850	0.014 0.010 1.5 1.8 8 6.5	[3]
NGC 2892	2.7	86	0.03	09 32 52.9	+ 67 37 03	8.4 100 300	0.028 0.19 0.27	[3]
SDSS J093302.68 +385228.0	0.1	618	0.0002	09 33 02.68	+ 38 52 28.0	140000	0.003	[10]
NGC 2911	12	44	0.27	09 33 46.1	+ 10 09 09	15 86	0.018 < 0.43	[3]
NGC 2960	0.12 0.11	75.3 67.1	0.002 0.002	09 40 36.4	+ 03 34 37	4.8 3000	0.011 1.65	[5] [38]; [3]
SDSS J094202.04 +042244.5	20	1545 (z)	0.01	09 42 02.04	+ 04 22 44.5	325000	0.0005	[47]
NGC 2974	1.7	21.5	0.08	09 42 33.3	- 03 41 57	5 96 667 1900	0.0038 < 0.0094 < 0.2 1.6-2	[38]; [3]
NGC 2964	0.05	20	0.003	09 42 54.2	+ 31 50 51	30 3000	0.006 24	[3]
NGC 3021	< 0.18	22	< 0.008	09 50 57.1	+ 33 33 13	2.4 3000	0.018 9.9	[3]
NGC 3031 M 81	0.8 0.65	4.1 3.6	0.19 0.18	09 55 33.2	+ 69 03 55	15 96-103 218-240	0.16-0.34 0.82-0.39 0.75-0.18	[19]; [5] [38]; [3]
NGC 3034 M 82	0.3	3.2-5.5	0.09-0.05	09 55 52.7	+ 69 40 46	23 43 100 230 350 600 850	1.3-1.4 0.7-1.3 0.8-1 0.7 1.2 50 16-19	[14]

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1	2	3	4	5	6	7	8	9
PG 0953+414	2.8 2.0	768 (z) 1003	0.004 0.003	09 56 52.4	+ 41 15 22	5 1875	0.0002 0.016	[33] [3]
NGC 3078	0.81	33	0.02	09 58 24.6	- 26 55 36	20	0.14	[3]
NGC 3081	0.16	33.5	0.005	09 59 29.5	- 22 49 35	8.4	0.0007	[3]
NGC 3091	36	51.3	0.70	10 00 14.3	- 19 38 13	5 12500	0.007 0.003	[38]; [3]
CID-947	69	1537 (z)	0.04	10 01 11.35	+ 02 08 55.6	100 300	0.0001 0.003	[16]
NGC 3079	0.03	15.9	0.002	10 01 57.8	+ 55 40 47	20 230 375 667 850	0.084 0.5 0.8 3.7 10.7	[38]; [3]
SDSS J100402.61 +285535.3	0.3	975	0.0003	10 04 02.61	+ 28 55 35.3	325000	0.002	[10]
NGC 3115	9.6 9.0 8.8	10.2 9.5 9.5	0.93 0.94 0.91	10 05 14.0	- 07 43 06.9	1.4 1900	0.0006 < 0.045	[19]; [5] [38] [3]
SDSS J101000.68 +300321.5	0.3	822	0.0004	10 10 00.68	+ 30 03 21.5	1.4 138000	0.001 0.002	[10]
IC 2560	0.4	42	0.01	10 16 18.7	- 33 33 50	1.4 3000	0.032 6.1	[3]
SDSS J102325.31 +514251.0	331	1514 (z)	0.22	10 23 25.3	+ 51 42 51	300000	0.0003	[47]
NGC 3227	0.15 0.2 0.21 0.4	17 23.8 23.8 20	0.009 0.008 0.008 0.02	10 23 30.6	+19 51 54	20 3000	0.009 18	[19]; [5] [38] [3] [33]; NED
Mrk 0142	0.02	192	0.0001	10 25 31.3	+ 51 40 35	1.4 3000	0.0006 0.8	[3]
NGC 3245	2.2 2.4	22.1 21.4	0.098 0.11	10 27 18.4	+ 28 30 27	15 3000	< 0.005 3.4	[19]; [5] [38]; [3]
NGC 3310	< 0.42 < 0.05	17.4 17.4	< 0.02 < 0.003	10 38 45.8	+ 53 30 12	28 38 350 670	0.023-0.026 0.016-0.017 0.36 1.3-1.4	[19] [3]
NGC 3351 M95	< 0.086 < 0.03	8.7 9.3	< 0.01 < 0.003	10 43 57.7	+11 42 14	2.3 600 857	0.053 5.3 13.7	[19] [3]
NGC 3368 M 96	0.075 0.076	10.4 10.4	0.007 0.007	10 46 45.7	+ 11 49 12	15 350 667	0.001 0.513 3.4	[5]; [38] [3]

Table 1: Catalog of supermassive black holes (*continued*).

NGC 3377	1.1 1.9 1.8	11.7 11.7 11	0.09 0.16 0.16	10 47 42.3	+ 13 59 09	2.3 350	0.005 < 0.008	[19] [5] [38]; [3]
NGC 3379 M 105	1.2 4.6 4.2	11.7 11.7 10.7	0.10 0.39 0.39	10 47 49.6	+12 34 54	15 350 670	< 0.001 < 0.011 < 0.125	[19] [5] [38]; [3]
NGC 3384	0.18 0.11 0.11	11.7 11.7 11.5	0.02 0.009 0.009	10 48 16.9	+ 12 37 45	2.4 3000	0.004 0.45	[19] [5] [38]; [3]
NGC 3393	0.33 0.16	53.6 49.2	0.006 0.003	10 48 23.4	- 25 09 43	5 3000	0.052 3.9	[5] [38]; [3]
NGC 3423	< 0.002	15	< 0.0001	10 51 14.3	+ 05 50 24	2.4	0.016	[3]
NGC 3414	2.5	25.2	0.1	10 51 16.2	+ 27 58 30	15 3000	0.002 < 0.091	[38]; [3]
NGC 3489	0.06	12.1	0.005	11 00 18.6	+ 13 54 04	15 1900	< 0.001 2.6	[5]; [38]; [3]
UGC 06093	0.26	150	0.002	11 00 47.9	+ 10 43 41	138000	0.021	[3]
NGC 3516	0.4 0.23	37 38	0.01 0.006	11 06 47.5	+ 72 34 07	20 3000	0.005 2.3	[33] [3]
M 108	0.2	10-19	0.02-0.01	11 11 31.0	+ 55 40 27	5 230	0.09 < 1	[40]
NGC 3585	3.4 3.3	21.2 20.5	0.16 0.16	11 13 17.1	- 26 45 17	5 1900	< 0.003 0.038	[19]; [5] [38]; [3]
NGC 3607	1.2 1.4 1.4	19.9 22.7 22.6	0.06 0.06 0.06	11 16 54.6	+ 18 03 06	15 1765	0.0014 2.5	[19]; [5] [38] [3]
NGC 3608	2.1 4.7 4.6	23 23 22.8	0.09 0.20 0.20	11 16 59.0	+ 18 08 53	15 1900	< 0.0015 0.094	[19] [5] [38]; [3]
NGC 3621	< 0.01	6.6	< 0.002	11 18 16.5	- 32 48 51	5 600 850	0.11 15 32	[3]
SBS 1116 + 583 A	0.03	119	0.0003	11 18 57.7	+ 58 03 24	12 500	0.02	[3]
ULAS J1120+0641	20	1070 (z)	0.02	11 20 01.5	+06 41 24	3×10^8	3×10^{-10}	[30]
NGC 3627 M 66	0.08	10.1	0.008	11 20 14.9	+ 12 59 30	15 230 350 600 850	0.003 0.7 1.86 14.4 9-12	[38]; [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 3642	< 0.26	22	< 0.01	11 22 17.9	+ 59 04 28	15 3000	< 0.001 4.6	[3]
NGC 3665	5.8	35	0.16	11 24 43.7	+ 38 45 46	5 3000	0.083 5.7-6.3	[3]
Arp 151	0.04	90.3	0.0004	11 25 36.2	+ 54 22 57	1.5	0.002	[3]
NGC 3675	< 0.18	12.4	< 0.01	11 26 08.6	+ 43 35 09	15 1800	< 0.001 22	[3]
NGC 3706	59	46	1.3	11 29 44.4	- 36 23 29	5 1900	0.025 < 0.022	[3]
NGC 3783	0.3 0.2	41 42	0.007 0.005	11 39 01.7	- 37 44 19	1.6 3000	0.005 4.9	[33] [3]
NGC 3801	1.9	46	0.04	11 40 16.9	+ 17 43 41	5 100	0.57 1.2	[3]
NGC 3842	97 91	98.4 92.2	0.97 0.97	11 44 02.15	+ 19 56 59.3	2.4 3000	0.022 1.49	[5] [38]; [3]
NGC 3862	2.6	85	0.03	11 45 05.0	+ 19 36 23	22.5 43 100 300	0.029-0.215 0.020-0.172 0.174 0.087	[3]
NGC 3923	28	20.9	1.3	11 51 01.7	- 28 48 22	5 1900	0.001 0.048	[38]; [3]
NGC 3945	< 0.09	20	< 0.005	11 53 13.7	+ 60 40 32	15 1900	0.002 2.8	[3]
NGC 3953	0.2	15	0.01	11 53 48.9	+ 52 19 36	15 3000	< 0.001 32	[3]
NGC 3982	< 0.8 < 0.09	18.2 16	< 0.04 < 0.006	11 56 28.1	+ 55 07 31	15 1800	< 0.001 12	[19] [3]
NGC 3992	< 0.57 0.3	18.2 15	< 0.03 0.02	11 57 36.0	+ 53 22 28	15 3000	< 0.001 10	[19] [3]
NGC 3998	2.4 8.5	14.9 14.3	0.16 0.59	11 57 56.1	+ 55 27 13	15 1500	0.06-0.2 0.5	[19]; [5] [38]; [3]
NGC 4026	2.1 1.8	15.6 13.4	0.14 0.13	11 59 25.2	+ 50 57 42	5 1875	< 0.00012 0.1	[19]; [5] [38]; [3]
SDSS J115954.33 +201921.1	141	1522 (z)	0.09	11 59 54.33	+ 20 19 21.1	325000	0.0006	[47]
Mrk 1310	0.02	84	0.0004	12 01 14.3	- 03 40 41	5	< 0.007	[3]
NGC 4036	0.78	19	0.04	12 01 26.7	+ 61 53 45	15 1800	< 0.002 2	[3]
NGC 4041	< 0.064 < 0.01	20.9 20	< 0.003 < 0.0005	12 02 12.2	+ 62 08 14	5 1765	0.038 21	[19] [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 4051	0.002 0.003 0.01	10 10 10	0.0002 0.0003 0.001	12 03 09.6	+ 44 31 53	20 3000	0.007 24	[33] [8]; [11] [3]
NGC 4088	< 0.06	12	< 0.005	12 05 34.2	+ 50 32 21	8.5 230 1800	0.004 < 1 33	[3]
UGC 07115	10	88	0.11	12 08 05.5	+ 25 14 14	8.4 100 350	0.05 0.031 0.051	[3]
NGC 4143	< 1.4 0.83	16.8 15	< 0.08 0.06	12 09 36.0	+ 42 32 03	15 96	0.003-0.006 0.007	[19] [3]
NGC 4151	0.65 0.1	20	0.03 0.005	12 10 32.6	+ 39 24 21	20 100 1800	0.04 0.014 3	[38]; [3] [33]
NGC 4150	< 0.009	13	< 0.0007	12 10 33.6	+ 30 24 06	15 1900	< 0.001 1.7	[3]
QSO 1210+330	10	1662 (z)	0.006	12 13 03.8	+32 47 37	8.4	0.06-0.1	[16]
PG 1211+143	1.5 0.4	315 (z) 315	0.005 0.001	12 14 17.7	+ 14 03 13	1500	< 0.4	[33]
NGC 4203	< 0.38 0.66	16 14	< 0.02 0.003	12 15 05.0	+ 33 11 50	22 43 96 1900	0.009 0.01 0.015 2.7	[19] [3]
NGC 4212 NGC 4208	< 0.01	3.2	< 0.003	12 15 39.3	+ 13 54 05	11 3000	0.004 17	[3]
NGC 4244	< 0.005 (0)	4.4	< 0.001	12 17 29.6	+ 37 48 26	1.4 1800	0.02 4.8	[3]
NGC 4245	< 0.15	15	< 0.01	12 17 36.8	+ 29 36 29	2.3 3000	0 2.4	[3]
Mrk 0202	0.01	90	0.0001	12 17 55.0	+ 58 39 35	138000	0.01	[3]
NGC 4253	0.06	55	0.001	12 18 26.5	+ 29 48 46	20 3000	0.005 47	[3]
NGC 4258 M 106	0.38 0.38	7.2 7.3	0.05 0.05	12 18 57.620	+ 47 18 13.39	15 100 350	0.002-0.003 0.01 3.4	[19]; [5] [38]; [3]
NGC 4261	5.5 5.3	33.4 32.4	0.16 0.16	12 19 23.22	+ 05 49 29.69	23 41 94-100 350	2.4-2.8 1.9-2.0 1.5-0.3 0.18	[19]; [5] [38]; [3]
NGC 4278	0.91	15	0.06	12 20 06.8	+ 29 16 51	15 43 100 220 350 670	0.077-0.090 0.018 0.216 0.050 0.050 < 0.054	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 4291	3.2	25	0.13	12 20 18.2	+ 75 22 15	1.4	0.0005	[19]
	9.2	25	0.36			1700	< 0.36	[5]
	9.8	26.6	0.36					[38];
								[3]
NGC 4303 M 61	0.03	15.5	0.002	12 21 54.9	+ 04 28 25	23	1	[3]
						359	0.7	
						670	4.6	
NGC 4314	< 0.08	16	< 0.005	12 22 31.8	+ 29 53 45	15 3000	< 0.001 7.1	[3]
NGC 4321 M 100	< 0.27 < 0.05	18 14	< 0.02 < 0.004	12 22 54.8	+ 15 49 19	15	< 0.0009	[19]
						230	< 1	[3]
						350	0.88	
						600	11	
						857	28	
NGC 4335	2.5	59	0.04	12 23 01.9	+ 58 26 40	8.4 3000	0.028 1	[3]
Mrk 0050	0.25	103	0.02	12 23 24.1	+ 02 40 45	28300	0.024	[3]
NGC 4342	3.6	18.0	0.20	12 23 39.024	+ 07 03 14.17	2.4	0.004	[19];
	4.5	22.9	0.19			3000	< 0.018	[5]
	4.6	22.9	0.19					[38]
								[3]
NGC 4350	3.8	17	0.22	12 23 57.8	+ 16 41 36	15 1800	< 0.0009 0.83	[3]
NGC 4371	0.07	16.9	0.004	12 24 55.4	+ 11 42 15	8.4 1900	0.00007 0.014	[38]; [3]
NGC 4374 M 84	15	17.0	0.87	12 25 03.74	+ 12 53 13.14	15	0.16-1.3	[19]
	8.5	17.0	0.49			43	0.1	[5]
	9.2	18.5	0.49			95-100	0.14-0.17	[38]
	9.3	18.5	0.50			350	0.15	[3]
						670	0.12	
NGC 4382 M 85	< 0.13	18	< 0.007	12 25 24.1	+ 18 11 29	8.4 1900	0.0001 0.024	[3]
NGC 4388	0.088	19.8	0.004	12 25 46.7	+ 12 39 44	15	0.004	[5]
	0.07	16.5	0.004			350	0.23-0.29	[38];
						350	0.23-0.29	[3]
NGC 4395	0.003	4.4	0.0007	12 25 48.8	+ 33 32 49	15 1900	< 0.0009 27	[3]
NGC 4429	0.71	18	0.04	12 27 26.5	+ 11 06 28	15 1800	< 0.001 3.1-6.3	[3]
NGC 4435	< 0.08	17	< 0.005	12 27 40.5	+ 13 04 44	15	< 0.001	[19]
	< 0.02 (0)	17	< 0.001			1800	7	[3]
NGC 4438 Virgo eyes	0.65	11.6	0.06	12 27 45.6	+ 13 00 31	15 1765	< 0.001 16	[18]
NGC 4450	< 1.2	18	< 0.07	12 28 29.6	+ 17 05 06	15	0.003-0.005	[19]
	< 1.1	28	< 0.04			1765	10	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 4459	0.74 0.7	17.0 16.0	0.04 0.04	12 29 00.0	+ 13 58 42	15 1900	< 0.001 3.1	[19]; [5] [38]; [3]
3C 273 PG 1226+023	5.5 6.5	563 678	0.01 0.01	12 29 06.7	+ 02 32 08.6	22 54 100 230 300	20-43 8 9-12 6-11 10	[31]; [33] [3]
NGC 4472 M 49	25	17.1	1.44	12 29 46.7	+ 08 00 02	15 96 1667	0.004 0.15 < 0.09	[38]; [3]
NGC 4473	1.3 1.0 0.9	17.0 17.0 15	0.08 0.06 0.06	12 29 48.9	+ 13 25 46	8.4 1500	0.0013 < 0.34	[19] [5] [38]; [3]
NGC 4477	< 0.84 0.35	18 21	< 0.05 0.02	12 30 02.2	+ 13 38 12	15 1765	< 0.001 1.1	[19] [3]
NGC 4486 b	4 < 1.1	16.6 17	0.24 < 0.06	12 30 32.0	+ 12 29 25	8.4 3000 3000	0.0002 < 0.116 < 0.116	[38]; [3] [19]
NGC 4486 M 87	36 63 62	17 17 16.7	2.09 3.66 3.67	12 30 49.42	+ 12 23 28.0	22-23 41 94-100 300 600 860	0.5-21 3.6-13.5 0.5-5.3 1.3 1.4 1	[19] [5] [38]; [3]
NGC 4486 a	0.13 0.13	17 16	0.008 0.008	12 30 57.7	+ 12 16 13	8.4 3000	0.00017 0.26	[19]; [5] [38]; [3]
NGC 4501 M 88	0.2 < 0.79	16.5 18	0.01 < 0.04	12 31 59.1	+ 14 25 13	15 230 350 667	< 0.001 < 1 0.96 6.4	[38] [3] [19]
Mrk 771 PG 1229+204	0.7 0.52	250 270	0.03 0.02	12 32 03.6	+ 20 09 26	5 1500	< 0.005 < 0.4	[33] [3]
NGC 4526	4.5	16.4	0.27	12 34 03.1	+ 07 41 58	8.6 1900	0.006 13.7	[38]; [3]
NGC 4548 M 91	< 0.34 0.18	20.3 18	< 0.02 0.01	12 35 26.4	+ 14 29 47	15 3000	0.001 9	[19] [3]
NGC 4507	0.15	47	0.003	12 35 36.6	- 39 54 33	1.4 3000	0.067 5.4-6.3	[3]
NGC 4552 M 89	5	15.3	0.32	12 35 39.8	+ 12 33 23	15 32 96 350	0.06-0.08 0.09 0.012 < 0.026	[38]; [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 4564	0.7	17.0	0.04	12 36 27.0	+ 11 26 21	8.4	0.00009	[19]
	0.9	17.0	0.05			1500	< 0.42	[5]
	0.9	15.9	0.06					[38];
								[3]
NGC 4579 M 58	< 0.9	23	< 0.03	12 37 43.5	11 49 05	22	0.011	[3]
						43	0.015	
						96	0.027	
						230	0.011	
						350	0.15	
NGC 4593 Mrk 1330	0.05	38	0.001	12 39 39.4	- 05 20 39.3	5	0.0008	[33]
	0.07	39	0.002			1500	4.7	[3]
NGC 4596	0.84	18.0	0.05	12 39 55.9	+ 10 10 34	15	< 0.001	[19];
	0.77	16.5	0.05			1900	2.7	[5];
								[38];
								[3]
NGC 4594 M 104 Sombrero	5.7	10.3	0.55	12 39 59.43	-11 37 23.0	20	0.08	[19]
	5.3	10.3	0.51			250	0.19-0.44	[5]
	6.7	9.9	0.67			350	0.24-0.92	[38]
	6.6	9.9	0.66			600	5.6	[3]
						850	12.1	
IC 3639	0.1	45	0.002	12 40 52.8	- 36 45 21	1.4	0.07-0.008	[3]
						1500	3.6	
NGC 4621	4	18.3	0.22	12 42 02.2	+ 11 38 49	8.4	0.0001	[38];
						1500	< 0.38	[3]
RX J1242.6 -1119A	1	202 (z)	0.005	12 42 38.5	-11 19 19	692000	0.0004	[23]
NGC 4636	3.8	14	0.27	12 42 49.8	+ 02 41 16	15	0.002	[3]
						1700	0.79	
M60UCD1	0.20	17	0.01	12 43 35.964	+ 11 33 09.40		HST	[3]
NGC 4649 M 60	21	16.5	1.23	12 43 40.4	+ 11 33 10	10.5	0.018	[19]
	47	16.5	2.81			1700	< 0.1	[5];
								[38];
								[3]
NGC 4698	< 0.76	18	< 0.04	12 48 22.9	+ 08 29 15	15	< 0.001	[19]
	0.58	16	0.04			1875	3.8	[3]
NGC 4697	2	12.4	0.16	12 48 35.9	- 05 48 03	8.5	0.00009	[19];
	2	12.5	0.16			96	< 0.007	[5]
						350	< 0.018	[38];
								[3]
NGC 4699	1.8	18.9	0.09	12 49 02.2	- 08 39 53	1.4	< 0.3	[38];
						1765	21.5	[3]
NGC 4736 M 94	0.07	4.9	0.01	12 50 53.0	+ 41 07 14	15	0.002	[5]
	0.07	5	0.01			230	2.4	[38]
	0.06	4.5	0.01			300	4.2	[3]
						350	1.5	
						600	11.8	
						850	28	

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 4742	0.13	16	0.008	12 51 48.0	- 10 27 17	5 96 3000	< 0.005 < 0.016 1.2	[3]
NGC 4748	0.02	63	0.0003	12 52 12.4	- 13 24 53	5 3000	0.006 2.22	[3]
NGC 4751	14	27	0.51	12 52 50.8	- 42 39 36	3000	3.6-4	[38]; [3]
NGC 4800	< 0.21 < 0.10	16 13	< 0.01 < 0.008	12 54 37.8	+ 46 31 52	1.4 3000	0.022 14	[3]
NGC 4826 M 64	0.014 0.016 0.011	6.4 7.3 5.2	0.002 0.002 0.002	12 56 43.6	+ 21 40 59	15 230 350 600 850	< 0.001 < 1 1.23 6.3 16.4	[5] [38] [3]
NGC 4889	210 209	103 102	2.01 2.02	13 00 08.13	+ 27 58 37.2	2.4 3000	0.001 < 0.069	[5] [38]; [3]
NGC 4945	0.02	3.7	0.005	13 05 27.5	- 49 28 06	20-22 41 94 220 350	0.73-1.5 0.8 1.0 2.8 16	[3]
PG 1307+085	4.4 3.1	554 664	0.008 0.006	13 09 47	+ 08 19 48	230 1700	< 0.001 < 0.174	[33] [3]
NGC 5005	1.9	15	0.13	13 10 56.2	+ 37 03 33	15 230 3000	< 0.001 < 1.0 54-63	[3]
NGC 5018	1	40.6	0.02	13 13 01.0	- 19 31 05	5 1765	0.003 5	[38]; [3]
NGC 5055	8.3	8.7	0.94	13 15 49.3	+ 42 01 45	15 300 600 850	< 0.001 1.3 2.6 64	[3]
NGC 5077	8.0 8.6	44.9 38.7	0.18 0.22	13 19 31.670	- 12 39 25.08	20 96 1900	0.15 0.66 0.14	[19]; [5] [38]; [3]
NGC 5127	1.9	63	0.03	13 23 45.0	+ 31 33 57	5 100	0.54 0.026	[3]
NGC 5128 Cen A	3 0.7 0.57	4.4 4.4 3.62	0.67 0.16 0.16	13 25 27.61	- 43 10 08.8	22 41 90-93 230-240 350	3-112 32-72 41 5.8-6 18	[19]; [5] [38]; [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 5194 M 051 A	< 0.009	7.9	< 0.001	13 29 52.7	+ 47 11 43	28 38 230 350	0.007 0.004 0.15-2.6 2.6	[3]
A 3565 -BCG	13 5.2 14 13	54 54.4 54.4 49.2	0.24 0.09 0.25 0.26	13 36 38.8	- 33 57 30		in NED absent	[2] [19] [5] [3]
IC 4296	13.0	49.2	0.26	13 36 39.053	- 33 57 57.3	22 41 94 1900	0.3-1.9 0.7-1.2 0.7-0.8 0.07	[38]; [3]
NGC 5248	0.02	18	0.001	13 37 32.0	+ 08 53 07	5 3000	0.11 45-53	[3]
NGC 5252	12	104	0.11	13 38 15.9	+ 04 32 33	20	0.008	[3]
NGC 5283	0.26	35	0.007	13 41 05.7	+ 67 40 20	20 96 3000	< 0.004 < 0.008 0.75	[3]
NGC 5273	0.04	16	0.003	13 42 08.3	+ 35 39 15	20 1900	< 0.002 0.84	[3]
IC 4329 A	< 0.1	67 (z)	< 0.001	13 49 19.2	- 30 18 34	1.4 1500	0.067 1.2	[33]
NGC 5328	47	64.1	0.72	13 52 53.3	- 28 29 22	5 3000	< 0.0009 < 0.07	[38]; [3]
Mrk 0279	0.3 0.25	124 130	0.002 0.002	13 53 03.4	+ 69 18 30	20 3000	< 0.003 2.2	[33] [3]
PG 1351+640	0.5	340	0.001	13 53 15.8	+ 63 45 45.4	40 90 230	< 0.2 0.08 < 0.26	[21]
NGC 5347	0.16	32.3	0.005	13 53 17.8	+ 33 29 27	5 3000	0.0005-0.003 2.6	[3]
A 1836 -BCG	48 39 37	155 157.5 152.4	0.31 0.24 0.24	14 01 40.58	- 11 36 27.3		in NED absent	[2] [19]; [5] [38]; [3]
NGC 5457 M 101	< 0.03	7.0	< 0.004	14 03 12.5	+ 64 20 56	6.7 600 850	0.004 45 97	[3]
NGC 5427	< 0.38	36	< 0.01	14 03 26.0	- 06 01 51	1.5 350	0.063 0.26	[3]
NGC 5419	72	56.2	1.27	14 03 38.7	- 33 58 42	5 1900	0.09-0.12 < 0.021	[38]; [3]
NGC 5490	5.3	65	0.08	14 09 57.3	+ 17 32 44	11 100 3000	0.17 0.089 < 0.19	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 5495	0.10	126	0.0008	14 12 23.3	- 27 06 29	1.4 3000	0.013 3.5	[3]
Circinus	0.017 0.011	4 2.8 8	0.004 0.004	14 13 09.9	- 65 20 21	20 1765	0.097 230	[19]; [5]; [38]; [3] NED
PG 1411+442	4.4 3.2	343 (z) 384	0.01 0.009	14 13 48.3	+ 44 00 14	230 1765	< 0.002 < 0.129	[33] [3]
NGC 5516	33	58.4	0.56	14 15 54.7	- 48 06 53	0.8	0.0002	[38]; [3]
NGC 5548	0.7 0.5	72 74	0.01 0.007	14 17 59.5	+ 25 08 12	20 3000	0.004 1.6	[33] [3]
NGC 5576	1.8 2.7	27.1 25.7	0.07 0.10	14 21 03.7	+ 03 16 16	2.3 1900	0 < 0.02	[19]; [5]; [38]; [3]
Mrk 1383 PG 1426+015	13 9.1	336 371	0.04 0.03	14 29 06.555	+ 01 17 06.46	15 1500	0.001 0.2	[33] [3]
NGC 5643	< 0.11	17	< 0.006	14 32 40.7	- 44 10 28	8.4 1800	0.012 34-71	[3]
Mrk 817 UGC 09412	0.5 0.4	128 134	0.004 0.003	14 36 22.1	+ 58 47 39	20 40 90 230	< 0.003 < 0.184 < 0.075 < 0.25	[33] [3]
NGC 5695	1.0	55	0.02	14 37 22.1	+ 36 34 04	20 3000	< 0.002 1.8	[3]
NGC 5728	1.1	38	0.03	14 42 23.9	- 17 15 11	1.4 3000	0.071 15	[3]
NGC 5765 b	0.46	113	0.004	14 50 51.5	+ 05 06 52	1.4	0.023	[3]
NGC 5813	7.1	32.2	0.22	15 01 11.2	+ 01 42 07	15 95 1500	0.002 < 0.008 < 0.21	[38]; [3]
SDSS J150243.09 +111557.3	1.1	1091 (z)	0.001	15 02 43.09	+ 11 15 57.3	1.4 14000	0.011 0.019	[13]; [7] dbl.gal.
NGC 5845	2.9 5.4 4.9	28.7 28.7 25.87	0.10 0.19 0.19	15 06 00.8	+ 01 38 01.8	2.4 1900	0 0.15-0.17	[19] [5] [38]; [3]
NGC 5846	11	24.9	0.44	15 06 29.3	+ 01 36 20	15 95 1900	0.006 0.009 0.1-0.2	[38]; [3]
NGC 5879	< 0.04	11	< 0.004	15 09 46.7	+ 57 00 01	15 3000	< 0.001 9.2	[3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
A 2052-BCG UGC 09799	< 7.8	151	< 0.05	15 16 44.5	+ 07 01 18	22.5 3000	0.39 < 0.3	[3]
AP Lib PKS 1514-24	1.3	213 (z)	0.006	15 17 41.81	- 24 22 19.5	22 41 90 230 375	2.4 2-2.2 1.6 0.8-1.2 0.7-1.1	[4]
NGC 5921	< 0.12	21	< 0.006	15 21 56.5	+ 05 04 14	15 3000	< 0.001 10	[3]
RX J1532.9 +3021	100	1009.4 (z)	0.10	15 32 53.8	+ 30 20 58	3×10^8	2×10^{-6}	[20]
NGC 6086	38 37	139 138	0.27 0.26	16 12 35.5	+ 29 29 05	22.5 43 3000	0.003 < 0.002 < 0.19	[5] [38]; [3]
Mrk 0876 PG 1613+658	2.8 1.9	475 (z) 553	0.006 0.004	16 13 57.2	+ 65 43 10	40 230	< 0.237 0.002	[33] [3]
Mrk 0877 PG 1617 +175	5.9 4.3	420 (z) 481	0.01 0.01	16 20 11.3	+ 17 24 28	4.8 3000	< 0.004 0.04-0.5	[33] [3]
NGC 6166	10	142	0.07	16 28 38.276	+ 39 33 04.97	15 43 350	0.020 0.023 0.07	[28]
NGC 6251	6 6.1	106 108	0.06 0.06	16 32 32.0	+ 82 32 16	23 41 94-112	1.2-1.4 1-1.4 0.4-0.9	[19]; [5] [38]; [3]
Her A 3C 348	1.1 20	643 643	0.002 0.03	16 51 08.15	+ 04 59 33.32	23 41 94	1.1-1.9 0.9-1.2 0.2	[45] [6]
NGC 6240 S	15	105	0.14	16 52 58.9	+ 02 24 03	8.5 108 230 340 660 850	0.115 0.011 0.006 0.033 1 1.1-2.5	[3]
Mrk 501	9 34	140 140	0.07	16 53 52.21	+ 39 45 37.6	94 230 375	0.37-0.6 0.32 0.22	[36]
NGC 6264	0.3 0.3	145.4 147.6	0.002 0.002	16 57 16.1	+ 27 50 59	138000	0.016	[5] [38]; [3]
PG 1700+518	7.8 5.8	902 (z) 1251	0.009 0.006	17 01 24.8	+ 51 49 20	15 40 90 230 350 1500	0.002 < 0.2 < 0.075 < 0.16 < 0.01 0.14	[33] [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
PG 1704+608	0.4	1059	0.0004	17 04 41.37	+ 60 44 30.5	230 1500	0.007 0.43	[21]
NGC 6323	0.098 0.1	110.5 113.4	0.0009 0.0009	17 13 18.1	+ 43 46 57	1.4 3000	0.003 0.9	[5]; [38]; [3]
NGC 6300	< 0.14	14	< 0.01	17 16 59.5	- 62 49 14	5 3000	0.06 36-42	[3]
SDSS J173352.23 +540030.4	34	1521(z)	0.02	17 33 52.23	+ 54 00 30.4	1.4	0.007	[47]
Srg A*	0.041 0.0431	0.008 0.00833	5.06 5.11	17 45 40.02	- 29 00 28.17	43 100 240 340	1.3-1.9 2.1-2.4 2.8-4.1 3	[19]; [5]; [38]; [3]
NGC 6503	< 0.02	5.3	< 0.004	17 49 26.4	+ 70 08 40	15 1800	< 0.001 43-47	[3]
NGC 6500	2.2	37	0.06	17 55 59.8	+ 18 20 18	15 96 1800	0.085 0.048 3	[3]
H1821 +643	300	912 (z)	0.32	18 21 57.3	+ 64 20 36	93 1800	0.01 1	[43]
3C 382 CGCG 173-014	9.6	231	0.04	18 35 03.4	+ 32 41 47	41 94 3000	0.7 0.1 < 0.3	[11]
3C 390.3	2.9 4.2	225 240	0.01 0.02	18 42 09.0	+ 79 46 17	23 41 94	1.2-1.4 0.7-1 0.3	[33] [3]
1RXS J 185800.9 +485020	0.08 0.05	304 338	0.0003 0.0001	18 58 01.111	+ 48 50 23.4		in NED absent	[32] [3]
KIC 006932990 Zw 229-015	0.08	119	0.0007	19 05 25.9	+ 42 27 40	138000	0.013	[3]
NGC 6814	0.10	22	0.005	19 42 40.6	- 10 19 25	1.5 3000	0.012 19-20	[3]
Cygnus A 3C 405	25 27	224 257	0.11 0.10	19 59 28.4	+ 40 44 02.1	15 86 230 375	1.5-1.7 1 0.5 0.6	[6]; [19]; [3]
NGC 6861	20	27.3	0.72	20 07 19.5	- 48 22 13	0.8 3000	0.015 3-3.5	[38]; [3]
NGC 6951	< 0.09	16	< 0.006	20 37 14.1	+ 66 06 20	15 1800	< 0.001 29	[3]
Mrk 0509	1.4 1	141 147	0.01 0.007	20 44 09.7	- 10 43 25	40 90	< 0.25 < 0.1	[33] [3]
NGC 7052	4.0 4	70.9 70.4	0.06 0.06	21 18 33.047	+ 26 26 48.065	8.4 100 300 3000	0.044 0.085 0.019 1.2-1.5	[19]; [5]; [38]; [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
PKS 2126 -158	100	1546	0.06	21 29 12.2	- 15 38 41	20-24 41-43 90-94 230 312	1.07-0.84 0.6-0.5 0.3-0.5 0.08 < 0.8	[16]
SDSS J213023.61 +122252.0	10	1546 (z)	0.006	21 30 23.61	+ 12 22 52.0		in NED absent	[47]
UGC 11763 II Zwicky 136 PG 2130+099 Mrk 1513	4.6 0.26	250 (z) 270	0.02 0.001	21 32 27.8	+ 10 08 19	15 40 230 1500	0.001 < 0.258 < 0.681 0.2	[33] [3]
QSO B2149-306	50	1686 (z)	0.03	21 51 55.65	- 30 27 54	20-23 41 95	1.8-1.5 1.2-1.4 0.6-0.8	[16]
PSO O334.2028 +01.4075	100	1720 (z)	0.06	22 16 48.6	+ 01 24 27		in NED absent	[27], dbl. BH. orb. per. 542 days
UGC 12064	6.9	35	0.19	22 31 20.6	+ 39 21 29	8.4	0.041	[3]
NGC 7331	1.0	12	0.08	22 37 04.0	+ 34 24 56	15 350 600 660 850	< 0.001 2.1 17 21 41	[3]
NGC 7332	0.12	22	0.005	22 37 24.5	+ 23 47 54	2.4	0.004	[3]
SDSS J224956.08 +000218.0	17	1540 (z)	0.01	22 49 56.08	+ 00 02 18.0	325000	0.0002	[47]
LQAC 342+022.001	10	1484 (z)	0.007	22 51 53.5	+ 22 17 37	8.4	0.086	[24]
NGC 7418	< 0.002	18	< 0.0001	22 56 36.1	- 37 01 48	0.8 1800	0.03-0.05 23	[3]
IC 1459	28 25	30.9 28.9	0.89 0.85	22 57 10.61	- 36 27 44.0	20 95 1800	0.55 0.26 1.1-2.4	[19]; [5] [38]; [3]
NGC 7424	< 0.002	11	< 0.0002	22 57 18.4	- 41 04 14	3000	7.8	[3]
NGC 7457	0.041 0.1 0.9	14.0 14.0 12.5	0.003 0.007 0.07	23 00 59.9	+ 30 08 42	2.3 1900	0.003 < 0.023	[19] [5] [38]; [3]
SDSS J230301.45 -093930.7	91	1511 (z)	0.06	23 03 01.45	- 09 39 30.7	325000	0.0004	[47]
NGC 7469	0.1 0.09	67 48	0.001 0.002	23 03 15.6	+ 08 52 26	22 240 350 850	0.018 < 0.033 0.19 2.2	[33] [3]

Table 1: Catalog of supermassive black holes (*continued*).

1	2	3	4	5	6	7	8	9
NGC 7582	0.55	22.3	0.025	23 18 23.5	- 42 22 14	8.4 1800	0.042 61	[19]; [5]; [3]
IC 1481	0.14	90	0.002	23 19 25.1	+ 05 54 22	5 3000	0.001 1.5	[3]
NGC 7619	25	51.5	0.48	23 20 14.5	+ 08 12 22	2.3 1900	0.022 < 0.023	[38]; [3]
NGC 7626	3.8	38	0.1	23 20 42.5	+ 08 13 01	15 1900	0.04 < 0.025	[3]
NGC 7674	0.01-10	116	0.0001-0.1	23 27 56.7	+ 08 46 45	22 350	0.017 0.1	[22]
NGC 7682	0.36	59	0.006	23 29 03.9	+ 03 32 00	20	0.006	[3]
SPT-CL J2344-4243	200	1374	0.15	23 44 42.2	- 42 43 08	1000	0.02	[9]
SDSS J234625.66 -001600.4	3.9	1509 (z)	0.002	23 46 25.66	- 00 16 00.4	136000	0.0004	[47]
NGC 7768	13.4	116	0.11	23 50 58.6	+ 27 08 51	5 3000	0.001 < 0.087	[38]; [3]
NGC 7793	< 0.00005	3.3	0.00002	23 57 49.8	- 32 35 28	1.5 600 850	0.01-0.1 14 28	[3]

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