TABLE 1
PROPERTIES OF GALACTIC BLACK HOLE X-RAY BINARIES[a]

No	Name	$M_{comp}[M_\odot]$[b]	Spec. type	$M_{BH}[M_\odot]$	P_{orb}	citations[g]
1	XTE J1118+480	0.22 ± 0.07	K7/M1V	$6.9 \div 8.2$	4.08	[1,17,17,38]
2	XTE J1550-564	0.3 ± 0.07	K2/4IV	10.5 ± 1.0	37	[2,2,28,2]
3	GS 2000+25	$0.16 \div 0.47$	K3/6V	~ 6.55	8.26	[3,18,3,40]
4	GRO J0422+32	~ 0.45	M0/4V	~ 10.4	5.09	[4,19,4,4]
5	GRS 1009-45	~ 0.5	G5/K0V	~ 8.5	6.86 ± 0.12	[5,20,5,41]
6	GRS 1716-249	~ 1.6	K-M	$\gtrsim 4.9$	14.7	[37,37,37,37]
7	GX339-4	$0.3 \div 1.1$	KIV	> 7	42	[6,21,6,21]
8	H1705-25	$0.15 \div 1.0$	K3/M0V	$4.9 \div 7.9$	12.55	[7,22,29,29]
9	A0620-00	0.68 ± 0.18	K2/7V	6.6 ± 0.25	7.75	[8,23,30,42]
10	XTEJ1650-50(0)	0.7	K4V	~ 5.1	7.63	[d,24,31,24]
11	XTEJ1859+226	0.7	K5V	7.7 ± 1.3	6.58 ± 0.05	[d,25,32,25]
12	GS2023+338	$0.5 \div 1.0$	K0/3IV	12 ± 2	156	[9,26,33,43]
13	GRS 1124-68	$0.3 \div 2.5$	K5V	6.95 ± 0.6	10.392	[10,10,34,44]
14	GRS1915+105	0.8 ± 0.5	K1/5III	12.9 ± 2.4	811.2 ± 2.4	[11,27,35,35]
15	GS 1354-64	1.03	G5IV	7.6 ± 0.7	61.07	[d,12,12,12]
16	GROJ1655-40	1.75 ± 0.25	F3/G0IV	5.31 ± 0.07	62.909 ± 0.003	[e,13,36,45]
17	4U1543-47	$2.3 \div 2.6$	A2V	$2.7 \div 7.5$	26.8	[14,14,14,46]
18	XTEJ1819-254	$5.49 \div 8.14$	B9III	$8.73 \div 11.70$	67.62	[15,15,38,15]
19	CygX-1 [b]	19.2 ± 1.9	OI	14.8 ± 0.1	134.4	[16,16,16,16]
20	LMC X-1[c]	31.79 ± 3.48	O7/O8	10.91 ± 1.55	93.84	[47,47,47,47]
21	LMC X-3[cf]	3.72 ± 0.24	B5III	7.00 ± 0.32	40.8	[48,48,48,48]
22	IC 10 X-1[c]	> 17	WNE	> 23.1	34.93 ± 0.04	[49,49,49,49]
23	NGC 300 X-1[c]	26^{+7}_{-5}	WN5	20 ± 4	32.3 ± 0.2	[50,50,50,50]
24	M33 X-7[c]	70.0 ± 6.9	O7/O8 III	15.65 ± 1.45	82.87	[51,51,51,52]

[a] Most of the data taken from Wiktorowicz et al. (2013)
[b] Cyg X-1 is the only persistent Galactic source, other systems are transients
[c] 5 extragalactic sources. All persistent
[d] Derived from the spectral type
[e] Derived from $M_{BH} = 5.31 \pm 0.07$(Motta et al. 2014) and $q = 0.329 \pm 0.047$(González Hernández et al. 2008)
[f] It was suggested by Orosz et al. (2014) that LMC X-3 may be a transient system that is perpetually in the outburst phase (i.e., never drops to the quiescent state with $L_X < 10^{33}$erg s^{-1})
[g] Citations are organized as follows: [M_{comp},Spectral type,M_{BH},P_{orb}]. References: [1]González Hernández et al. (2012); [2]Orosz et al. (2011b); [3]Ioannou et al. (2004) ; [4]Reynolds et al. (2007); [5]Macias et al. (2011) ; [6]Muñoz-Darias et al. (2008) ; [7]Martin et al. (1995) ; [8]Gelino et al. (2001b) ; [9]Casares & Charles (1994); [10]Shahbaz et al. (1997); [11]Harlaftis & Greiner (2004) [12]Casares et al. (2009) ; [13]Beer & Podsiadlowski (2002) ; [14]Orosz et al. (1998) ; [15]Orosz et al. (2001) ; [16]Orosz et al. (2011a) ; [17]Khargharia et al. (2013); [18]Harlaftis et al. (1996); [19]Gelino & Harrison (2003); [20]della Valle et al. (1997); [21]Hynes et al. (2003); [22]Filippenko et al. (1997); [23]Froning et al. (2011); [24]Orosz et al. (2004) ; [25]Corral-Santana et al. (2011); [26]Khargharia et al. (2010); [27]Greiner et al. (2001); [28]Li et al. (2013) ; [29]Harlaftis et al. (1997); [30]Cantrell et al. (2010) ; [31]Slaný & Stuchlík (2008) ; [32]Shaposhnikov et al. (2009); [33]Shahbaz et al. (1994) ; [34]Gelino et al. (2001a) ; [35]Hurley et al. (2013) ; [36]Motta et al. (2014) ; [37]Masetti et al. (1996) ; [38]Martin et al. (2008); [39]Torres et al. (2004); [40]Chevalier & Ilovaisky (1990); [41]Shahbaz et al. (1996); [42]Johannsen et al. (2009); [43]Casares et al. (1992); [44]Orosz et al. (1996); [45]González Hernández et al. (2008); [46]Orosz et al. (2002); [47] Orosz et al. (2009); [48] Orosz et al. (2014); [49] Silverman & Filippenko (2008); [50] Crowther et al. (2010); [51] Orosz et al. (2007); [52] Pietsch et al. (2006);

REFERENCES

Beer, M. E., & Podsiadlowski, P. 2002, MNRAS, 331, 351
Cantrell, A. G., Bailyn, C. D., Orosz, J. A., et al. 2010, ApJ, 710, 1127
Casares, J., & Charles, P. A. 1994, in American Institute of Physics Conference Series, Vol. 308, The Evolution of X-ray Binariese, ed. S. Holt & C. S. Day, 107
Casares, J., Charles, P. A., & Naylor, T. 1992, Nature, 355, 614
Casares, J., Orosz, J. A., Zurita, C., et al. 2009, ApJ Supp, 181, 238
Chevalier, C., & Ilovaisky, S. A. 1990, A&A, 238, 163
Corral-Santana, J. M., Casares, J., Shahbaz, T., et al. 2011, MNRAS, 413, L15
Crowther, P. A., Barnard, R., Carpano, S., et al. 2010, MNRAS, 403, L41
della Valle, M., Benetti, S., Cappellaro, E., & Wheeler, C. 1997, A&A, 318, 179
Filippenko, A. V., Matheson, T., Leonard, D. C., Barth, A. J., & van Dyk, S. D. 1997, PASP, 109, 461
Froning, C. S., Cantrell, A. G., Maccarone, T. J., et al. 2011, ApJ, 743, 26
Gelino, D. M., & Harrison, T. E. 2003, ApJ, 599, 1254
Gelino, D. M., Harrison, T. E., & McNamara, B. J. 2001a, AJ, 122, 971
Gelino, D. M., Harrison, T. E., & Orosz, J. A. 2001b, AJ, 122, 2668
González Hernández, J. I., Rebolo, R., & Casares, J. 2012, in IAU Symposium, Vol. 282, IAU Symposium, ed. M. T. Richards & I. Hubeny, 476–477
González Hernández, J. I., Rebolo, R., & Israelian, G. 2008, A&A, 478, 203
Greiner, J., Cuby, J. G., & McCaughrean, M. J. 2001, Nature, 414, 522
Harlaftis, E. T., & Greiner, J. 2004, A&A, 414, L13
Harlaftis, E. T., Horne, K., & Filippenko, A. V. 1996, PASP, 108, 762
Harlaftis, E. T., Steeghs, D., Horne, K., & Filippenko, A. V. 1997, AJ, 114, 1170
Hurley, D. J., Callanan, P. J., Elebert, P., & Reynolds, M. T. 2013, ArXiv e-prints, arXiv:1301.0274
Hynes, R. I., Steeghs, D., Casares, J., Charles, P. A., & O'Brien, K. 2003, ApJL, 583, L95
Ioannou, Z., Robinson, E. L., Welsh, W. F., & Haswell, C. A. 2004, AJ, 127, 481
Johannsen, T., Psaltis, D., & McClintock, J. E. 2009, ApJ, 691, 997
Khargharia, J., Froning, C. S., & Robinson, E. L. 2010, ApJ, 716, 1105
Khargharia, J., Froning, C. S., Robinson, E. L., & Gelino, D. M. 2013, AJ, 145, 21
Li, Z. B., Qu, J. L., Song, L. M., Ding, G. Q., & Zhang, C. M. 2013, MNRAS, 428, 1704
Macias, P., Orosz, J. A., Bailyn, C. D., et al. 2011, in Bulletin of the American Astronomical Society, Vol. 43, American Astronomical Society Meeting Abstracts #217, #143.04
Martin, A. C., Casares, J., Charles, P. A., van der Hooft, F., & van Paradijs, J. 1995, MNRAS, 274, L46
Martin, R. G., Reis, R. C., & Pringle, J. E. 2008, MNRAS, 391, L15
Masetti, N., Bianchini, A., Bonibaker, J., della Valle, M., & Vio, R. 1996, A&A, 314, 123
Motta, S. E., Belloni, T. M., Stella, L., Muñoz-Darias, T., & Fender, R. 2014, MNRAS, 437, 2554

Muñoz-Darias, T., Casares, J., & Martínez-Pais, I. G. 2008, MNRAS, 385, 2205
Orosz, J. A., Bailyn, C. D., McClintock, J. E., & Remillard, R. A. 1996, ApJ, 468, 380
Orosz, J. A., Jain, R. K., Bailyn, C. D., McClintock, J. E., & Remillard, R. A. 1998, ApJ, 499, 375
Orosz, J. A., McClintock, J. E., Aufdenberg, J. P., et al. 2011a, ApJ, 742, 84
Orosz, J. A., McClintock, J. E., Remillard, R. A., & Corbel, S. 2004, ApJ, 616, 376
Orosz, J. A., Polisensky, E. J., Bailyn, C. D., et al. 2002, in Bulletin of the American Astronomical Society, Vol. 34, American Astronomical Society Meeting Abstracts, 1124
Orosz, J. A., Steiner, J. F., McClintock, J. E., et al. 2014, ArXiv e-prints, arXiv:1402.0085
—. 2011b, ApJ, 730, 75
Orosz, J. A., Kuulkers, E., van der Klis, M., et al. 2001, ApJ, 555, 489
Orosz, J. A., McClintock, J. E., Narayan, R., et al. 2007, Nature, 449, 872
Orosz, J. A., Steeghs, D., McClintock, J. E., et al. 2009, ApJ, 697, 573
Pietsch, W., Haberl, F., Sasaki, M., et al. 2006, ApJ, 646, 420
Reynolds, M. T., Callanan, P. J., & Filippenko, A. V. 2007, MNRAS, 374, 657
Shahbaz, T., Naylor, T., & Charles, P. A. 1997, MNRAS, 285, 607
Shahbaz, T., Ringwald, F. A., Bunn, J. C., et al. 1994, MNRAS, 271, L10
Shahbaz, T., van der Hooft, F., Charles, P. A., Casares, J., & van Paradijs, J. 1996, MNRAS, 282, L47
Shaposhnikov, N., Titarchuk, L., & Laurent, P. 2009, ApJ, 699, 1223
Silverman, J. M., & Filippenko, A. V. 2008, ApJL, 678, L17
Slaný, P., & Stuchlík, Z. 2008, A&A, 492, 319
Torres, M. A. P., Callanan, P. J., Garcia, M. R., et al. 2004, ApJ, 612, 1026
Wiktorowicz, G., Belczynski, K., & Maccarone, T. J. 2013, ArXiv e-prints, arXiv:1312.5924