Table 1. Systems data

GJ/Other	π	P, yrs	a"	f	References
22 A-C	0.1006 ± 0.0022	15.98 ± 0.13	0.5090 ± 0.0033	0.281 ± 0.008	38,40,75,83
22 AC-B	0.1006 ± 0.0022	321.7 ± 1.5	4.088 ± 0.024	0.096 ± 0.028	20,38,39,40,49,75,78,79,80,81,82,83
34 A-B	0.1684 ± 0.0031	426 ± 37	11.28 ± 0.48	0.434 ± 0.026	4,12,44,49,74,84,85,86,87,88,89
65 A-B	0.3807 ± 0.0043	26.6 ± 1.5	2.01 ± 0.08	0.522 ± 0.018	1,2,3,5,6,7,8,9,10,50,51,82,90,91
67 A-B	0.0731 ± 0.0039	19.50 ± 0.28	0.610 ± 0.021	0.215 ± 0.014	19,57,75
98 A-B	0.0609 ± 0.0038	25.23 ± 0.06	0.542 ± 0.009	0.526 ± 0.016	49,52,63,64,86,88,92,93
166 B-C	0.2071 ± 0.0025	250.3 ± 2.0	6.943 ± 0.017	0.262 ± 0.010	44,49,50,58,59,82,86
234 A-B	0.2421 ± 0.0017	16.58 ± 0.08	0.97 ± 0.06	0.367 ± 0.022	9,11-16,50,71,75,82,94,95
278 E-F[a]	0.0683 ± 0.0028				20,39,44,47
352 A-B	0.1079 ± 0.0091	18.3 ± 1.0	0.551 ± 0.030	0.525 ± 0.030	46,49,75,96
379 A-B	0.0542 ± 0.0075	165 ± 39	1.59 ± 0.05	0.521 ± 0.047	3,32,41,49,97
473 A-B	0.2322 ± 0.0043	16.2 ± 0.8	0.715 ± 0.040	0.430 ± 0.035	9,21,22,23,49,50,81,82,98
508 A-B	0.1030 ± 0.0080	49.6 ± 0.8	1.46 ± 0.06	0.377 ± 0.031	3,20,36,81,86,88,99,100,103
570 B-C[a]	0.1742 ± 0.0060	0.8460± 0.0019	0.1467 ± 0.005	0.415 ± 0.020	4,67,68,75,101,102
623 A-B	0.1317 ± 0.0039	3.712 ± 0.046	0.2730 ± 0.0028	0.186 ± 0.014	14,24,25,26,75,102
630.1 A-B[a]	0.0690 ± 0.0029				42,44,45
644 A-B	0.1539 ± 0.0026	1.708 ± 0.026	0.205 ± 0.013	0.751 ± 0.029	9,30-35,49,52,81,82,86,88,104,105
661 A-B	0.1595 ± 0.0031	12.81 ± 0.91	0.705 ± 0.010	0.492 ± 0.014	44,49,51,75,76,81,86,88,106-110
677 A-B	0.0482 ± 0.0045	60.3 ± 2.7	0.601 ± 0.005	0.480 ± 0.011	20,49,60,75,78,86,88,111,112,113
704 A-B	0.0592 ± 0.0039	55.93 ± 0.42	1.035 ± 0.038	0.399 ± 0.029	37,43,49,71,77,86,88,114-118
725 A-B	0.2861 ± 0.0018	454 ± 44	15.1 ± 0.9	0.489 ± 0.027	7,17,18,20,49,52,79,82,119-127
795 A-B	0.0635 ± 0.0031	38.3 ± 1.0	0.793 ± 0.022	0.405 ± 0.024	49,71,72,73,76,128,129
815 A-C[a]	0.0661 ± 0.0045				49,61,62,82,130
815 AC-B[a]	0.0661 ± 0.0045	28.79 ± 0.76	0.77 ± 0.06	0.278 ± 0.037	49,61,62,82,130
860 A-B	0.2519 ± 0.0023	44.64 ± 0.17	2.388 ± 0.006	0.377 ± 0.013	39,44,49-56,82,86,88,110,131-133
863.1 A-B	0.0458 ± 0.0030	46.1 ± 1.2	0.480 ± 0.004	0.50 ± 0.05	37,48
896 A-B	0.1519 ± 0.0037	360 ± 110	6.9 ± 1.0	0.220 ± 0.030	32,39,50,69,70,76,81,82
1005 A-B	0.1887 ± 0.0084	4.713 ± 0.20	0.313 ± 0.016	0.38 ± 0.09	27,28,134,135
1245 A-C[a]	0.2120 ± 0.0043	15.22 ± 0.37	0.804 ± 0.008	0.435 ± 0.047	65,66,75
ADS 8048 B-C	0.0292 ± 0.0054	23.66 ± 0.087	0.253 ± 0.023	0.576 ± 0.042	136,137
ADS 9352 A-B	0.0534 ± 0.0035	51 ± 12	0.63 ± 0.20	0.499 ± 0.042	49,136,138,139,140
Kui 84 A-BC[a]	0.0284 ± 0.0018	14.673± 0.20	0.163 ± 0.017	0.63 ± 0.06	130,141,142
Kui 84 B-C[a]	0.0284 ± 0.0018				130,141,142

[a] Modified component's designation.

1 - Geyer D.W. et al. (1988), 2 - Harrington R.S. & Behall A.L. (1973), 3 - Heintz W.D. (1987a), 4 - Harris D.E. & Johnson H.M. (1985), 5 - Protitch M.B. (1955), 6 - Luyten W.J. (1956), 7 - Veeder G.J. (1974), 8 - Erro B.I. (1971), 9 - Joy A.H. & Abt H.A. (1974), 10 - Bessell M.S. (1991), 11 - Lippincott S.L. & Hershey J.L. (1972), 12 - Kron G.E. et al. (1957), 13 - Ianna P.A. (1979), 14 - McCarthy D.W. (1983), 15 - Probst R.G. (1977), 16 - Lippincott S.L. (1955), 17 - Heintz W.D. (1987b), 18 - Hershey J.L. (1982), 19 - Henry T.J. et al. (1992), 20 - Eggen O.J. (1968), 21 - Heintz W.D. (1989b), 22 - Upgren A.R. & Mesrobian W.S. (1971), 23 - Lippincott S.L. (1958), 24 - Lippincott S.L. & Borgman E.R. (1978), 25 - Marcy G.W. & Moore D. (1989), 26 - McCarthy D.W. & Henry T.J. (1987), 27 - Ianna P.A. et al. (1988), 28 - Heintz W.D. (1990a), 29 - Rodgers A.W. & Eggen O.J. (1974), 30 - Heintz W.D. (1984b), 31 - Weis E.W. (1982), 32 - Baize P. (1966), 33 - Eggen O.J. (1965), 34 - Fleischer R. (1957), 35 - Vaiana G.S. et al. (1981), 36 - Heintz W.D. (1969), 37 - Heintz W.D. (1972), 38 - Hershey J.L. (1973), 39 - Gershberg R.E. (1978), 40 - McCarthy D.W. et al. (1991), 41 - Hershey J.L. (1972), 42 - Metcalf T.S. et al. (1995), 43 - Wooley R. et al. (1970), 44 - Popper D.M. (1980), 45 - Bessell M.S. (1990), 46 - Heintz W.D. (1979), 47 - Leung K.-C. & Schneider D.P. (1978), 48 - Heintz W.D. (1976), 49 - Eggen O.J. (1956a), 50 - Rodono M. (1978), 51 - van de Kamp P. (1959), 52 - Dzervitis U.K. (1973), 53 - Hall R.G. (1952), 54 - Lippincott S.L. (1953), 55 - van de Kamp P. (1971), 56 - van de Kamp P. (1938), 57 - Lippincott S.L. et al. (1983), 58 - Heintz W.D. (1974), 59 - Plaut L. (1953), 60 - Lippincott S.L. (1982), 61 - Russell J. & Gatewood G. (1980), 62 - Fekel T. Jr. et al. (1978), 63 - Wanner J.F. (1969), 64 - Heintz W.D. (1991a), 65 - Harrington R.C. (1990), 66 - McCarthy D.W. et al. (1985), 67 - Mariotti J.-M. et al. (1990), 68 - Lindsay V. et al. (1987), 69 - Heintz W.D. (1984a), 70 - Kuiper G.P. (1943), 71 - Feierman B.H. (1971), 72 - Morel P.J. (1969), 73 - Heintz W.D. (1989a), 74 - Strand K.Aa. (1969), 75 - Henry T.J. & McCarthy D.W. (1993), 76 - Heintz W.D. & Borgman E.R. (1984), 77 - Kamper K.W. & Beardsley W.R. (1986), 78 - Heintz W.D. (1993b), 79 - Eggen O.J. (1955), 80 - Weis E.W. (1993), 81 - Wilson R.H. Jr. (1954), 82 - Baize P. & Petit M. (1989), 83 - Heintz W.D. (1993c), 84 - van de Kamp P. & Worth M.D. (1971), 85 - van de Kamp P. & Flather E. (1955), 86 - Baize P. (1951), 87 - Baize P. (1946), 88 - Baize P. (1950), 89 - Kamper K.W. (1976), 90 - Luyten W.J. (1949), 91 - Worley C.E. & Behall A.L. (1973), 92 - Heintz W.D. (1975), 93 - Wierzbinski St. (1958), 94 - Eggen O.J. (1965a), 95 - Coppenbarger D.S. et al. (1994), 96 - Tifft W.G. (1955), 97 - Baize P. (1989), 98 - Heintz W.D. (1990b), 99 - Arend S. (1949), 100 - Heintz W.D. (1962), 101 - Duquennoy A. & Major M. (1988), 102 - Marcy G.W. & Benitz K.J. (1989), 103 - Baize P. (1949a), 104 - Baize P. (1949b), 105 - Wieth-Knudsen N. (1953), 106 - Eggen O.J. (1967), 107 - Martin E.L. (1949), 108 - van Biesbroeck G. (1949), 109 - Zimmermann G. (1939), 110 - Baize P. (1944), 111 - Heintz W.D. (1993d), 112 - Baize P. (1955), 113 - Heintz W.D. (1980), 114 - van Biesbroeck G.(1947), 115 - Worley C.E. (1969), 116 - Wallenquist A. (1981), 117 - van den Bos W.H. (1959), 118 - Hartkopf W.I. & McAlister H.A. (1984), 119 - Eggen O.J. (1956b), 120 - Eichhorn H. & Alden H.L. (1960), 121 - van de Kamp P. et al. (1968), 122 - Eggen O.J. (1974), 123 - Baize P. (1976), 124 - Kamper K.W. (1966), 125 - Heintz W.D. (1988), 126 - Baize P. (1985), 127 - Kisselev A.A. & Kiyaeva O.V. (1988), 128 - Heintz W.D. (1984c), 129 - Baize P. (1957), 130 - Lippincott S.L. (1975), 131 - Heintz W.D. (1985), 132 - Heintz W.D. (1986b), 133 - Heintz W.D. (1986c), 134 - Heintz W.D. (1991b), 135 - Hershey J.L. & Tafft L.G. (1993), 136 - Lippincott S.L. & McDowall R.J. (1979), 137 - Heintz W.D. (1986a), 138 - Lippincott S.L. (1960), 139 - Muller P. (1951), 140 - Kirkpatrick J.D. & McCarthy D.W. (1994), 141 - Gatewood G. (1973), 142 - Tokovinin A.A. (1994).

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Table 4. Components data

GJ/Other	V	BC	M_V	$\log L/L_\odot$	mass, $m_\odot$
22 A	10.98±0.07*	-1.65±0.29	10.99±0.09	-1.86 ±0.15	0.365 ±0.047 †
22 C	14.20±0.30*	-2.91±0.26	14.21±0.30	-2.64 ±0.22	0.143 ±0.018 †
22 B	13.58±0.33*	-2.82±0.47	13.59±0.33	-2.43 ±0.23	0.063 ±0.014
34 B	7.36±0.14	-1.16±0.12	8.49±0.15	-1.06 ±0.08	0.72 ±0.30 †
65 A	12.49±0.03*	-3.71±0.02	15.39±0.04	-2.797±0.018	0.099 ±0.032 †
65 B	12.67±0.49*	-3.49±0.05	15.57±0.49	-2.96 ±0.20	0.108 ±0.035 †
67 B	12.54±0.49	-2.16±0.31	11.86±0.50	-2.00 ±0.24	0.33 ±0.12 †
98 A	9.23±0.18		8.15±0.23		0.52 ±0.14 †
98 B	9.32±0.22	-0.84±0.04	8.24±0.26	-1.09 ±0.10	0.58 ±0.15 †
166 C	11.25±0.20*	-2.43±0.32	12.83±0.20	-2.28 ±0.15	0.158 ±0.015
234 A	11.28±0.16*	-2.54±0.38	13.20±0.16	-2.39 ±0.18	0.146 ±0.038 †
234 B	14.66±0.18*	-4.14±0.48	16.58±0.18	-3.10 ±0.26	0.084 ±0.022 †
278 E[a]	9.21±0.01*	-1.36±0.20	8.38±0.09	-0.93 ±0.09	0.620 ±0.030 †
278 F[a]	9.75±0.10*	-1.28±0.14	8.92±0.13	-1.18 ±0.08	0.570 ±0.030 †
352 A	10.70±0.10*	-1.89±0.05	10.86±0.21	-1.71 ±0.09	0.19 ±0.11
352 B	10.89±0.13	-1.71±0.02	11.06±0.23	-1.86 ±0.09	0.21 ±0.12
379 A	10.20±0.10		8.87±0.32		0.44 ±0.46
379 B	10.30±0.10		8.97±0.32		0.5 ±0.5
473 A	13.17±0.02*	-2.04±0.71	15.00±0.05	-3.31 ±0.29	0.063 ±0.023 †
473 B	13.33±0.12*	-2.14±0.60	15.16±0.13	-3.33 ±0.25	0.048 ±0.018 †
508 B	9.90±0.08	-1.52±0.03	9.96±0.19	-1.50 ±0.08	0.44 ±0.19 †
570 B	8.33±0.01	-1.58±0.03	9.54±0.08	-1.306±0.032	0.49 ±0.13 †
570 C[a]	9.90±0.10	-2.43±0.05	11.10±0.13	-1.60 ±0.05	0.35 ±0.09 †
623 A	10.51±0.10*	-1.95±0.05	11.11±0.82	-1.79 ±0.05	0.53 ±0.11 †
623 B	16.01±0.72*	-4.33±0.13	16.61±0.72	-3.04 ±0.29	0.120 ±0.025 †
630.1 A[a]	13.58±0.16*	-2.48±0.07	12.77±0.18	-2.24 ±0.08	0.2307±0.0010
630.1 B[a]	13.73±0.16*	-2.48±0.07	12.92±0.18	-2.30 ±0.08	0.2136±0.0010
644 A	9.98±0.34*	-1.93±0.10	10.92±0.34	-1.72 ±0.14	0.20 ±0.06 †
661 A	9.94±0.07	-1.88±0.04	10.95±0.08	-1.754±0.036	0.27 ±0.07 †
661 B	10.41±0.05	-2.05±0.07	11.42±0.07	-1.874±0.038	0.26 ±0.07 †
677 A	9.75±0.21	-1.12±0.05	8.16±0.29	-0.94 ±0.12	0.28 ±0.12 †
677 B	10.21±0.31	-1.32±0.06	8.63±0.37	-1.05 ±0.15	0.26 ±0.10 †
704 B	8.44±0.13	-0.55±0.14	7.30±0.19	-0.83 ±0.10	0.68 ±0.27 †
725 A	8.90±0.02	-1.90±0.26	11.18±0.02	-1.85 ±0.10	0.37 ±0.17
725 B	9.69±0.02	-2.07±0.13	11.97±0.02	-2.09 ±0.05	0.35 ±0.16
795 B	9.38±0.04	-1.02±0.10	8.39±0.11	-1.07 ±0.06	0.54 ±0.17 †
815 A	10.37±0.47*		9.47±0.49		0.8 ±0.6
815 C[a]	10.97±0.47*		10.07±0.49		0.57 ±0.41
815 B	11.00±0.70*		10.10±0.72		0.53 ±0.31
860 A	9.84±0.06	-2.30±0.14	11.85±0.06	-1.94 ±0.06	0.266 ±0.021 †
860 B	11.35±0.08*	-3.16±0.05	13.36±0.08	-2.202±0.038	0.161 ±0.013 †
863.1 A	10.70±0.10		9.00±0.17		0.27 ±0.09
863.1 B	10.80±0.10		9.10±0.17		0.27 ±0.09
896 A	10.35±0.05*	-2.03±0.35	11.26±0.07	-1.82 ±0.14	0.6 ±0.7
896 B	12.80±0.10*	-2.43±0.16	13.71±0.11	-2.64 ±0.08	0.16 ±0.20
1005 A	11.54±0.06	-2.20±0.30	12.92±0.11	-2.41 ±0.16	0.13 ±0.07
1005 B	13.20±1.70	-3.42±0.91	14.6±1.7	-2.6 ±1.0	0.078 ±0.045
1245 A	13.60±0.10*	-3.53±0.13	15.23±0.11	-2.80 ±0.07	0.133 ±0.027 †
1245 C[a]	15.70±0.10*	-4.53±0.15	17.33±0.11	-3.24 ±0.07	0.103 ±0.020 †
ADS 8048 B	10.74±0.48		8.20±0.34		0.49 ±0.44
ADS 8048 C	10.82±0.48		8.28±0.34		0.7 ±0.6
ADS 9352 A	9.50±0.62		8.14±0.22		0.3 ±0.5
ADS 9352 B	9.78±0.62		8.42±0.22		0.3 ±0.5
Kui 84 A	10.28±0.09		7.55±0.16		0.32 ±0.18
Kui 84 B[a]	11.24±0.19		8.51±0.23		0.30 ±0.18
Kui 84 C[a]	12.12±0.19		9.39±0.23		0.25 ±0.15

* Flare star

† Stars selected to test theoretical and empirical MLRs.

[a] Modified component's designation.