**Appendix**

**Table 1. the Measuring and Fitting Results**

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| NGC0045 | PGC02796 | .SBS5P* | 33.7 | 84.9 | 0.1042±46.2% | 0.1066±34.7% | 2.63±34.7% | 2.87±57.6% | 0.1813 | 0.1143 |
| NGC0049 | PGC03042 | .SXR4*. | 0.0 | — | 0.0823±41.6% | 0.0823±25.5% | — | 4.05±52.1% | 0.1856 | 0.0434 |
| NGC0052 | PGC03252 | .SBT4.. | 49.8 | 84.2 | 0.0223±87.2% | 0.0455±80.3% | 1.11±80.3% | 13.20±114.4% | 0.2871 | 0.0424 |
| NGC0053 | PGC00982 | PSBR3.. | 46.2 | 59.6 | 0.0838±26.0% | 0.1671±16.8% | 2.90±16.8% | 6.18±42.9% | 0.3918 | 0.0144 |
| NGC0056 | PGC03526 | .SXT4.. | 61.4 | 26.7 | 0.0247±23.1% | 0.0728±16.2% | 0.57±16.2% | 7.11±71.8% | 0.1929 | 0.0065 |
| NGC0141 | PGC05765 | .SBT4*. | 0.0 | — | 0.0364±43.3% | 0.0427±29.5% | — | 6.77±35.8% | 0.1508 | 0.0531 |
| NGC0142 | PGC01901 | .SBS3?P | 57.5 | — | 0.0585±42.4% | 0.0641±33.2% | — | 4.38±63.5% | 0.0896 | 0.0411 |
| NGC0253 | PGC11052 | .SXT5*. | 31.7 | 69.2 | 0.0184±40.6% | 0.0320±31.4% | 0.65±31.4% | 6.76±64.6% | 0.1003 | 0.0285 |
| NGC0276 | PGC03054 | .SXR3?P | 66.5 | 184.7 | 0.0551±114.5% | 0.0563±103.0% | 3.03±103.0% | 2.83±69.2% | 0.0443 | 0.0524 |
| NGC0316 | PGC12309 | .SBT6.. | 69.7 | 22.8 | 0.0381±40.9% | 0.1100±34.0% | 0.73±34.0% | 5.68±120.3% | 0.1293 | 0.0156 |
| NGC0369 | PGC03856 | .SXR3*. | 35.6 | 82.7 | 0.0531±42.9% | 0.0519±33.7% | 1.25±33.7% | 4.97±68.2% | 0.1293 | 0.0441 |
| NGC0378 | PGC03907 | .SBR5*. | 44.9 | 127.9 | 0.0352±65.3% | 0.0546±56.1% | 2.03±56.1% | 4.22±58.2% | 0.0977 | 0.0529 |
| NGC0406 | PGC03980 | .SAS5*. | 67.7 | 18.3 | 0.0415±60.6% | 0.1374±53.6% | 0.73±53.6% | 3.03±53.1% | 0.1399 | 0.0203 |
| NGC0418 | PGC04189 | .SBS5.. | 31.7 | 75.7 | 0.0190±18.4% | 0.0388± 9.2% | 0.86± 9.2% | 13.09±23.8% | 0.2593 | 0.0529 |
| NGC0438 | PGC18047 | .SAT5.. | 40.7 | 39.5 | 0.0136±28.9% | 0.0385±24.2% | 0.44±24.2% | 7.29±42.8% | 0.1276 | 0.0164 |
| NGC0461 | PGC04636 | .SXS5*. | 40.7 | 75.5 | 0.0226±60.4% | 0.0265±48.9% | 0.58±48.9% | 6.86±93.5% | 0.1023 | 0.0357 |
| NGC0509 | PGC16894 | .SXT6.. | 40.7 | 24.7 | 0.0220±41.1% | 0.0593±34.2% | 0.43±34.2% | 5.04±27.2% | 0.1234 | 0.0085 |
| NGC0526 | PGC17323 | .SBS6.. | 0.0 | 27.1 | 0.0174±55.6% | 0.0324±44.1% | 0.26±44.1% | 4.54±47.9% | 0.0805 | 0.0169 |
| NGC0578 | PGC05619 | .SXT5.. | 50.9 | 21.5 | 0.0115±15.2% | 0.0563±12.9% | 0.35±12.9% | 11.14±38.6% | 0.2239 | 0.0114 |
| NGC0613 | PGC05849 | .SBT4.. | 40.7 | 19.2 | 0.0260±14.0% | 0.1427± 9.4% | 0.80± 9.4% | 14.11±16.5% | 1.0293 | 0.0736 |
| NGC0642 | PGC06112 | .SBS5.. | 55.8 | 78.5 | 0.0429±30.1% | 0.0875±20.9% | 2.00±20.9% | 4.24±52.0% | 0.1841 | 0.0102 |
| NGC0646 | PGC06010 | .SXS5P* | 42.2 | 107.9 | 0.1400±62.4% | 0.1804±48.6% | 5.66±48.6% | 1.73±37.7% | 0.1771 | 0.0169 |
| NGC0685 | PGC06581 | .SXR5.. | 27.0 | 16.6 | 0.0272±22.2% | 0.1011±15.3% | 0.49±15.3% | 5.89±32.9% | 0.2802 | 0.0149 |
| NGC0723 | PGC07024 | .SAR4*. | 27.0 | 19.5 | 0.0331±37.6% | 0.0490±28.4% | 0.28±28.4% | 9.36±44.3% | 0.2383 | 0.0150 |
| NGC0764 | PGC38711 | .SAS5*. | 70.2 | 26.0 | 0.0131±37.9% | 0.0627±33.3% | 0.47±33.3% | 7.03±58.8% | 0.1704 | 0.0080 |
| NGC0775 | PGC07451 | .SAT5*. | 42.2 | 60.1 | 0.0159±32.2% | 0.0264±22.9% | 0.46±22.9% | 9.26±27.7% | 0.1284 | 0.0315 |
| NGC0808 | PGC07865 | PSBR4*. | 60.7 | — | 0.0691±94.8% | 0.0850±85.6% | — | 7.37±160.8% | 0.2101 | 0.0638 |
| NGC0854 | PGC08388 | .SBT5*. | 70.7 | 81.9 | 0.0344±33.5% | 0.0626±24.3% | 1.49±24.3% | 6.09±123.3% | 0.1153 | 0.0287 |
| NGC0908 | PGC09057 | .SAS5.. | 64.1 | 19.4 | 0.0098±23.2% | 0.0589±20.9% | 0.33±20.9% | 9.79±18.8% | 0.2260 | 0.0216 |
| NGC0922 | PGC26671 | .SXS4P. | 35.6 | 29.3 | 0.0230±47.0% | 0.0310±37.8% | 0.26±37.8% | 6.01±58.0% | 0.0947 | 0.0199 |
| NGC1037 | PGC31692 | .SBT4P* | 33.7 | — | 0.0288±56.4% | 0.0257±44.9% | — | 5.43±47.2% | 0.0660 | 0.0413 |
| NGC1112 | PGC34292 | .SBT4.. | 63.5 | 42.1 | 0.0208±39.4% | 0.0414±32.5% | 0.51±32.5% | 9.21±98.0% | 0.1475 | 0.0176 |
| NGC1179 | PGC11480 | .SXR6.. | 39.1 | 22.9 | 0.0439±15.0% | 0.2151±10.3% | 1.43±10.3% | 5.45±20.4% | 0.4846 | 0.0234 |
| NGC1187 | PGC11479 | .SBR5.. | 42.2 | 17.7 | 0.0120±18.4% | 0.0661±13.8% | 0.34±13.8% | 6.47±37.8% | 0.1915 | 0.0213 |

(continued)

| NGC | PGC | Type | $\gamma(^\circ)$ | d(Mpc) | $H/D_{25}$ | $h(')$ | $H$(kpc) | $\Lambda$ | $\rho_0(')$ | $S_R$ |
|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| NGC1213 | PGC39234 | .SXS5.. | 39.1 | 100.8 | 0.0279±71.2% | 0.0266±59.6% | 0.78±59.6% | 4.53±84.2% | 0.0644 | 0.0259 |
| NGC1232 | PGC11819 | .SXT5.. | 29.4 | 21.5 | 0.0104±16.9% | 0.0768±14.6% | 0.48±14.6% | 6.96±14.8% | 0.2649 | 0.0105 |
| NGC1242 | PGC42954 | .SXS5P* | 29.4 | 82.2 | 0.0486±45.8% | 0.0584±36.6% | 1.40±36.6% | 5.02±44.3% | 0.1561 | 0.0463 |
| NGC1255 | PGC12007 | .SXT4.. | 50.9 | 21.5 | 0.0191±20.5% | 0.0795±15.8% | 0.50±15.8% | 6.48±32.3% | 0.1712 | 0.0154 |
| NGC1292 | PGC12285 | .SAS5.. | 63.5 | 17.0 | 0.0258±29.8% | 0.0762±22.9% | 0.38±22.9% | 7.28±58.0% | 0.1791 | 0.0289 |
| NGC1310 | PGC12569 | .SAS5*. | 39.1 | 21.6 | 0.0307±28.1% | 0.0613±18.9% | 0.39±18.9% | 5.70±44.6% | 0.1794 | 0.0615 |
| NGC1321 | PGC64751 | PSBR4.. | 46.2 | — | 0.0428±29.6% | 0.0469±20.4% | — | 6.95±53.2% | 0.1602 | 0.0455 |
| NGC1327 | PGC12795 | PSBS3.. | 74.4 | — | 0.0472±62.2% | 0.0483±50.7% | — | 7.50±119.2% | 0.1809 | 0.0649 |
| NGC1337 | PGC65760 | .SXR3P* | 17.3 | — | 0.0541±42.9% | 0.0635±26.7% | — | 3.92±95.3% | 0.1343 | 0.0400 |
| NGC1416 | PGC51169 | .SAT5P. | 44.9 | 87.8 | 0.0134±21.3% | 0.0337±14.4% | 0.86±14.4% | 9.91±47.9% | 0.1560 | 0.0174 |
| NGC1425 | PGC13602 | .SAS3.. | 63.5 | 18.6 | 0.0164±31.5% | 0.0943±26.9% | 0.51±26.9% | 11.96±55.3% | 0.4081 | 0.0126 |
| NGC1459 | PGC13832 | .SBS4?. | 48.6 | 54.7 | 0.0338±32.4% | 0.0587±25.5% | 0.93±25.5% | 5.73±90.7% | 0.1179 | 0.0504 |
| NGC1489 | PGC14165 | .SBR3.. | 66.0 | 151.4 | 0.0393±42.9% | 0.0542±36.0% | 2.39±36.0% | 10.33±86.4% | 0.2549 | 0.0305 |
| NGC1536 | PGC14620 | .SBS5P* | 43.6 | 18.6 | 0.0279±39.1% | 0.0556±32.2% | 0.30±32.2% | 4.66±73.5% | 0.1062 | 0.0193 |
| NGC1562 | PGC02308 | .SBS5.. | 21.1 | 48.9 | 0.0215±25.4% | 0.0348±16.2% | 0.50±16.2% | 6.85±29.2% | 0.1196 | 0.0245 |
| NGC1585 | PGC15150 | .SA.5*. | 52.9 | 59.7 | 0.0418±41.2% | 0.0480±29.7% | 0.83±29.7% | 5.26±98.1% | 0.0898 | 0.0357 |
| NGC1603 | PGC03401 | .SAS5*. | 51.9 | 105.3 | 0.0221±85.8% | 0.0278±76.6% | 0.85±76.6% | 6.08±54.0% | 0.0720 | 0.0878 |
| NGC1616 | PGC03846 | .SBT4.. | 29.4 | 74.9 | 0.0457±30.6% | 0.0741±21.4% | 1.61±21.4% | 5.21±37.5% | 0.2018 | 0.0256 |
| NGC1701 | PGC16352 | RSAR3*. | 43.6 | 75.4 | 0.0563±55.4% | 0.0693±46.1% | 1.52±46.1% | 8.15±84.7% | 0.2223 | 0.0144 |
| NGC1720 | PGC06180 | .S..4.. | 43.6 | — | 0.0261±58.9% | 0.0306±49.7% | — | 10.72±141.9% | 0.1221 | 0.0246 |
| NGC1734 | PGC06679 | .SBT5.. | 31.7 | 65.7 | 0.0489±30.5% | 0.0775±19.0% | 1.48±19.0% | 5.32±34.7% | 0.1932 | 0.0450 |
| NGC2007 | PGC17478 | .SBT5*. | 70.2 | 57.7 | 0.0321±68.9% | 0.0558±59.7% | 0.94±59.7% | 4.55±125.2% | 0.1091 | 0.0694 |
| NGC2008 | PGC17480 | .S..5.. | 59.9 | 135.3 | 0.0295±76.5% | 0.0436±65.0% | 1.71±65.0% | 4.56±78.5% | 0.0729 | 0.0260 |
| NGC2014 | PGC14108 | .SBS5*. | 61.4 | 135.4 | 0.0352±99.0% | 0.0395±87.5% | 1.56±87.5% | 3.79±59.9% | 0.0825 | 0.0465 |
| NGC2079 | PGC15200 | .SBT2.. | 70.7 | 142.1 | 0.0386±71.6% | 0.0475±60.1% | 1.96±60.1% | 6.63±109.5% | 0.1380 | 0.0241 |
| NGC2090 | PGC17819 | .SAT5.. | 60.7 | 9.9 | 0.0382±11.5% | 0.1871± 6.9% | 0.54± 6.9% | 8.28±25.4% | 0.6377 | 0.0278 |
| NGC2101 | PGC66030 | PSBR4.. | 37.4 | 117.4 | 0.0270±39.0% | 0.0373±29.8% | 1.27±29.8% | 11.31±96.7% | 0.1739 | 0.0389 |
| NGC2104 | PGC16367 | PSBS4.. | 50.9 | 71.7 | 0.0731±35.0% | 0.1362±23.5% | 2.84±23.5% | 7.59±36.3% | 0.4522 | 0.0146 |
| NGC2106 | PGC16373 | PSBT3.. | 56.7 | 64.1 | 0.0520±86.9% | 0.0863±77.7% | 1.61±77.7% | 11.66±117.1% | 0.3992 | 0.0245 |
| NGC2151 | PGC18040 | .SBS4*. | 52.9 | 173.3 | 0.0406±40.5% | 0.0601±33.6% | 3.03±33.6% | 5.09±49.8% | 0.1374 | 0.0834 |
| NGC2200 | PGC18652 | .SBR5.. | 27.0 | — | 0.0207±51.1% | 0.0207±39.6% | — | 7.28±110.6% | 0.0721 | 0.0270 |
| NGC2206 | PGC18736 | .SXT4*. | 58.3 | 81.3 | 0.0716±20.2% | 0.1717±15.6% | 4.06±15.6% | 5.88±57.7% | 0.2802 | 0.0298 |
| NGC2207 | PGC68211 | .SBR4.. | 21.1 | 125.3 | 0.0434±30.7% | 0.0627±21.5% | 2.28±21.5% | 10.01±23.6% | 0.3170 | 0.0442 |
| NGC2227 | PGC19030 | .SBT5.. | 57.5 | 27.7 | 0.0185±36.3% | 0.0396±27.1% | 0.32±27.1% | 5.72±94.8% | 0.1089 | 0.0446 |
| NGC2280 | PGC19531 | .SAS6.. | 60.7 | 22.8 | 0.0097±37.8% | 0.0610±33.1% | 0.40±33.1% | 11.01±50.4% | 0.3129 | 0.0093 |
| NGC2283 | PGC19562 | .SBS6.. | 40.7 | 8.6 | 0.0217±22.1% | 0.0789±17.5% | 0.20±17.5% | 4.23±37.7% | 0.1831 | 0.0176 |
| NGC2307 | PGC19648 | .SBT3.. | 21.1 | 57.9 | 0.0397±40.2% | 0.0690±28.7% | 1.16±28.7% | 11.62±52.3% | 0.4063 | 0.0342 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | d(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| NGC2397 | PGC20766 | .SBS3*. | 61.4 | 14.7 | 0.0574±35.6% | 0.1410±28.7% | 0.60±28.7% | 6.32±25.7% | 0.3572 | 0.0348 |
| NGC2537 | PGC29179 | .SXT5.. | 47.5 | 34.3 | 0.0127±38.1% | 0.0326±33.5% | 0.33±33.5% | 7.40±43.9% | 0.1215 | 0.0303 |
| NGC2613 | PGC23997 | .SAS3.. | 75.8 | 19.6 | 0.0205±37.6% | 0.1483±35.3% | 0.84±35.3% | 12.87±29.1% | 0.7448 | 0.0154 |
| NGC2627 | PGC33860 | .SAS4*. | 29.4 | 25.2 | 0.0282±24.4% | 0.0760±19.8% | 0.56±19.8% | 4.56±37.2% | 0.1698 | 0.0433 |
| NGC2815 | PGC26157 | .SBR3*. | 71.1 | 31.1 | 0.0336±23.9% | 0.1163±19.3% | 1.05±19.3% | 8.63±71.6% | 0.2560 | 0.0164 |
| NGC2835 | PGC26259 | .SBT5.. | 48.6 | 9.1 | 0.0100±22.8% | 0.0659±20.5% | 0.17±20.5% | 5.47±18.4% | 0.1915 | 0.0241 |
| NGC2997 | PGC27978 | .SXT5.. | 40.7 | 11.6 | 0.0089±14.6% | 0.0792±12.3% | 0.27±12.3% | 6.52±15.5% | 0.2681 | 0.0112 |
| NGC3054 | PGC28571 | .SXR3.. | 51.9 | 29.6 | 0.0284±15.3% | 0.1079±10.7% | 0.93±10.7% | 9.06±26.4% | 0.4980 | 0.0110 |
| NGC3095 | PGC28919 | .SXT5.. | 54.9 | 33.4 | 0.0523±15.9% | 0.1812±11.3% | 1.76±11.3% | 5.62±23.4% | 0.3275 | 0.0435 |
| NGC3124 | PGC29377 | .SXT4.. | 31.7 | 44.9 | 0.0251±27.2% | 0.0741±22.5% | 0.97±22.5% | 9.99±39.3% | 0.3632 | 0.0178 |
| NGC3173 | PGC29883 | .SAS5.. | 33.7 | 30.6 | 0.0247±21.4% | 0.0517±12.1% | 0.46±12.1% | 6.83±55.2% | 0.1649 | 0.0188 |
| NGC3208 | PGC30180 | .SXT4.. | 29.4 | 35.9 | 0.0174±24.3% | 0.0316±17.4% | 0.33±17.4% | 8.62±36.6% | 0.1390 | 0.0361 |
| NGC3285 | PGC31293 | .SXR3*. | 40.7 | 36.7 | 0.0322±44.8% | 0.0488±37.9% | 0.52±37.9% | 4.57±97.1% | 0.0950 | 0.0282 |
| NGC3312 | PGC31513 | .SAS3P* | 67.7 | 35.5 | 0.0392±15.9% | 0.1298±11.3% | 1.34±11.3% | 5.87±53.4% | 0.1843 | 0.0279 |
| NGC3318 | PGC31373 | .SXT5*. | 72.8 | — | 0.0517±59.1% | 0.0747±49.8% | — | 4.29±185.1% | 0.0992 | 0.0146 |
| NGC3318 | PGC31565 | .SBS5.. | 42.2 | 34.0 | 0.0359±66.7% | 0.0531±57.5% | 0.53±57.5% | 2.96±74.0% | 0.0907 | 0.0256 |
| NGC3336 | PGC31754 | .SXT5P. | 37.4 | 50.6 | 0.0517±29.8% | 0.1007±20.6% | 1.48±20.6% | 6.44±43.7% | 0.2914 | 0.0124 |
| NGC3450 | PGC32270 | .SBR3.. | 27.0 | 49.7 | 0.0223±27.9% | 0.0559±21.0% | 0.81±21.0% | 15.33±38.6% | 0.4294 | 0.0154 |
| NGC3456 | PGC32730 | .SBT5*. | 47.5 | 53.5 | 0.0297±36.1% | 0.0553±26.9% | 0.86±26.9% | 6.10±48.9% | 0.1450 | 0.0213 |
| NGC3463 | PGC32813 | .S..3.. | 64.7 | 48.2 | 0.0418±161.0% | 0.0647±151.8% | 0.91±151.8% | 7.17±159.6% | 0.1392 | 0.0053 |
| NGC3464 | PGC32778 | .SBT5.. | 49.8 | 47.4 | 0.0179±32.0% | 0.0460±27.4% | 0.63±27.4% | 5.61±41.4% | 0.1297 | 0.0390 |
| NGC3479 | PGC33053 | .SXR4.. | 44.9 | 58.3 | 0.0362±33.2% | 0.0630±21.7% | 1.07±21.7% | 8.68±69.9% | 0.2274 | 0.0242 |
| NGC3511 | PGC33385 | .SAS5.. | 69.2 | 12.2 | 0.0196± 9.8% | 0.1129± 7.5% | 0.40± 7.5% | 8.91±36.5% | 0.1937 | 0.0289 |
| NGC3513 | PGC33410 | .SBT5.. | 37.4 | 13.4 | 0.0381±18.6% | 0.1075±14.0% | 0.42±14.0% | 5.17±24.9% | 0.2937 | 0.0109 |
| NGC3673 | PGC35097 | .SBT3.. | 48.6 | 23.4 | 0.0302±15.1% | 0.1095±10.5% | 0.75±10.5% | 7.14±22.2% | 0.3749 | 0.0357 |
| NGC3887 | PGC36754 | .SBR4.. | 40.7 | 14.0 | 0.0194±15.4% | 0.0642±10.8% | 0.26±10.8% | 16.94±14.4% | 0.5457 | 0.0338 |
| NGC3956 | PGC37325 | .SAS5*. | 72.8 | 19.9 | 0.0238±50.7% | 0.0806±46.1% | 0.47±46.1% | 5.98±59.1% | 0.1161 | 0.0281 |
| NGC4232 | PGC46779 | .S..4*P | 72.0 | — | 0.0277±69.5% | 0.0311±60.3% | — | 5.53±144.9% | 0.0897 | 0.0456 |
| NGC4253 | PGC47161 | PSBT4.. | 63.5 | 134.0 | 0.0507±32.3% | 0.0700±23.1% | 2.73±23.1% | 6.58±47.6% | 0.2403 | 0.0587 |
| NGC4298 | PGC48036 | PSAS4.. | 60.7 | 88.4 | 0.0297±30.9% | 0.0449±21.7% | 1.16±21.7% | 6.65±105.5% | 0.1040 | 0.0157 |
| NGC4319 | PGC48617 | .SAS4?. | 70.2 | 61.5 | 0.0495±50.9% | 0.0749±41.7% | 1.34±41.7% | 6.38±115.4% | 0.0923 | 0.0133 |
| NGC4330 | PGC48881 | .SBT5.. | 62.1 | 151.6 | 0.0511±46.9% | 0.0629±37.7% | 2.77±37.7% | 4.74±38.9% | 0.1372 | 0.0613 |
| NGC4366 | PGC50230 | .SXT5P. | 35.6 | 59.9 | 0.0128±152.8% | 0.0198±143.6% | 0.34±143.6% | 2.51±72.1% | 0.0461 | 0.1171 |
| NGC4468 | PGC52324 | .SBS5?. | 72.8 | 31.6 | 0.0476±33.8% | 0.1041±24.6% | 0.96±24.6% | 4.20±64.9% | 0.2329 | 0.0681 |
| NGC4472 | PGC52410 | .S..5?/ | 77.1 | — | 0.0351±34.3% | 0.0750±25.1% | — | 9.06±115.3% | 0.1533 | 0.0503 |
| NGC4523 | PGC53845 | .SXS5.. | 43.6 | 61.9 | 0.0514±36.2% | 0.1002±22.4% | 1.80±22.4% | 5.25±45.6% | 0.2187 | 0.0143 |
| NGC4574 | PGC42166 | .SXS5.. | 50.9 | 39.0 | 0.0165±103.1% | 0.0287±93.9% | 0.33±93.9% | 5.00±31.9% | 0.0514 | 0.0557 |
| NGC4578 | PGC56305 | PSBS3.. | 53.9 | — | 0.0308±90.6% | 0.0586±76.8% | — | 6.43±138.4% | 0.1678 | 0.0251 |

(continued)

| NGC | PGC | Type | $\gamma(^\circ)$ | $d$(Mpc) | $H/D_{25}$ | $h(')$ | $H$(kpc) | $\Lambda$ | $\rho_0(')$ | $S_R$ |
|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| NGC4603 | PGC42510 | .SAS5*. | 43.6 | 31.7 | 0.0141±24.6% | 0.0478±17.6% | 0.44±17.6% | 8.91±40.2% | 0.1896 | 0.0155 |
| NGC4661 | PGC60990 | .SAS5.. | 33.7 | — | 0.0085±84.1% | 0.0194±72.6% | — | 6.27±54.6% | 0.0668 | 0.0363 |
| NGC4680 | PGC61598 | PSBR2*. | 59.9 | 55.9 | 0.0639±72.8% | 0.1061±61.3% | 1.73±61.3% | 8.39±86.2% | 0.4382 | 0.0873 |
| NGC4694 | PGC61647 | .SBS5*. | 68.2 | 32.2 | 0.0427±102.9% | 0.0955±93.7% | 0.90±93.7% | 1.57±155.4% | 0.0844 | 0.0372 |
| NGC4722 | PGC62071 | .SAS5P* | 39.1 | — | 0.0188±44.7% | 0.0298±35.5% | — | 5.84±53.6% | 0.0893 | 0.0273 |
| NGC4728 | PGC62166 | .SBT2.. | 68.7 | 61.3 | 0.0561±53.5% | 0.1119±44.3% | 2.00±44.3% | 7.11±98.1% | 0.2470 | 0.0173 |
| NGC4740 | PGC62306 | .SXS5.. | 21.1 | — | 0.0232±61.2% | 0.0222±49.7% | — | 5.47±100.5% | 0.0646 | 0.0336 |
| NGC4789 | PGC62582 | .SAS5*. | 63.5 | — | 0.0297±46.8% | 0.0449±37.6% | — | 5.07±87.5% | 0.1062 | 0.0772 |
| NGC4799 | PGC62643 | .SBT2.. | 40.7 | 58.7 | 0.0464±110.0% | 0.0687±96.2% | 1.17±96.2% | 13.02±120.2% | 0.4365 | 0.0157 |
| NGC4804 | PGC62685 | .SAS5.. | 31.7 | — | 0.0176±69.4% | 0.0217±57.9% | — | 7.10±66.2% | 0.0691 | 0.0503 |
| NGC4806 | PGC44116 | .SBS5?. | 33.7 | 30.4 | 0.0314±26.5% | 0.0369±17.3% | 0.33±17.3% | 6.92±38.3% | 0.1284 | 0.0584 |
| NGC4831 | PGC62951 | PSAS2.. | 74.8 | 56.4 | 0.0743±29.3% | 0.2517±20.1% | 4.13±20.1% | 3.70±52.0% | 0.2607 | 0.0880 |
| NGC4845 | PGC63081 | .SAT3*. | 31.7 | 51.6 | 0.0367±44.5% | 0.0667±35.2% | 1.00±35.2% | 7.28±38.5% | 0.2189 | 0.0209 |
| NGC4857 | PGC63256 | .SBS5P. | 49.8 | 61.9 | 0.0245±86.3% | 0.0445±74.8% | 0.80±74.8% | 3.51±83.7% | 0.0674 | 0.0188 |
| NGC4938 | PGC64096 | RSBS2*. | 44.9 | 48.3 | 0.0443±44.7% | 0.0825±33.2% | 1.16±33.2% | 6.74±75.2% | 0.2345 | 0.0239 |
| NGC4987 | PGC64428 | .SXS5*. | 39.1 | 166.1 | 0.0251±47.5% | 0.0263±36.0% | 1.27±36.0% | 6.44±84.6% | 0.0885 | 0.0382 |
| NGC4998 | PGC64546 | .SBS5*. | 37.4 | 88.9 | 0.0198±66.3% | 0.0306±57.1% | 0.79±57.1% | 4.80±60.7% | 0.0788 | 0.0277 |
| NGC4999 | PGC64613 | .SBT5?. | 54.9 | 42.3 | 0.0797±28.6% | 0.1450±19.4% | 1.78±19.4% | 3.77±34.6% | 0.1785 | 0.0669 |
| NGC5012 | PGC64802 | .SBT5.. | 62.1 | — | 0.0301±84.5% | 0.0337±73.0% | — | 4.92±66.3% | 0.0462 | 0.0125 |
| NGC5022 | PGC65186 | .SXR5.. | 48.6 | — | 0.0331±44.5% | 0.0309±33.0% | — | 5.32±98.7% | 0.0619 | 0.0454 |
| NGC5042 | PGC46126 | .SXT5.. | 57.5 | 16.8 | 0.0238±11.4% | 0.0991± 6.7% | 0.48± 6.7% | 7.75±43.9% | 0.2564 | 0.0208 |
| NGC5051 | PGC46194 | .SXT4*. | 62.1 | 58.3 | 0.0524±47.3% | 0.0707±38.1% | 1.20±38.1% | 8.17±69.6% | 0.2179 | 0.0688 |
| NGC5068 | PGC46400 | .SXT6.. | 29.4 | 7.3 | 0.0426± 8.4% | 0.3089± 6.1% | 0.66± 6.1% | 6.48± 7.6% | 0.9269 | 0.0120 |
| NGC5085 | PGC46531 | .SAS5.. | 29.4 | 24.4 | 0.0162±24.9% | 0.0549±20.2% | 0.39±20.2% | 6.62±35.6% | 0.1695 | 0.0278 |
| NGC5092 | PGC66452 | .SBT5*. | 33.7 | 45.1 | 0.0290±14.1% | 0.0837± 7.2% | 1.10± 7.2% | 10.27±27.2% | 0.3667 | 0.0454 |
| NGC5100 | PGC66628 | .SB.5?. | 78.2 | 66.7 | 0.0424±72.9% | 0.0790±63.7% | 1.53±63.7% | 3.94±117.8% | 0.1050 | 0.0136 |
| NGC5150 | PGC47169 | .SB.4*. | 39.1 | 56.1 | 0.0240±27.2% | 0.0310±18.0% | 0.51±18.0% | 12.59±34.6% | 0.1885 | 0.0276 |
| NGC5161 | PGC47321 | .SAS5*. | 67.1 | 30.0 | 0.0163±15.5% | 0.0919±10.9% | 0.80±10.9% | 10.15±24.9% | 0.2220 | 0.0425 |
| NGC5178 | PGC68287 | .SBS5.. | 39.1 | 71.8 | 0.0300±50.6% | 0.0314±41.4% | 0.66±41.4% | 5.17±42.4% | 0.0738 | 0.0367 |
| NGC5182 | PGC47489 | PSBR4.. | 46.2 | 56.9 | 0.0633±30.2% | 0.1179±21.0% | 1.95±21.0% | 6.78±46.7% | 0.3184 | 0.0800 |
| NGC5188 | PGC68539 | .SXS5*. | 33.7 | 60.0 | 0.0243±35.5% | 0.0313±24.0% | 0.55±24.0% | 7.11±60.3% | 0.1070 | 0.0722 |
| NGC5202 | PGC68707 | .SBT5.. | 63.5 | — | 0.0352±43.8% | 0.0464±34.6% | — | 6.41±53.5% | 0.1334 | 0.0330 |
| NGC5203 | PGC68684 | .SBS5P. | 57.5 | 62.3 | 0.0543±35.5% | 0.0716±26.2% | 1.30±26.2% | 4.82±104.7% | 0.1004 | 0.0293 |
| NGC5236 | PGC48082 | .SXS5.. | 27.0 | 5.1 | 0.0163±10.4% | 0.2100± 8.1% | 0.31± 8.1% | 9.52±14.5% | 0.9422 | 0.0307 |
| NGC5247 | PGC48171 | .SAS4.. | 29.4 | 16.7 | 0.0212±17.1% | 0.1194±14.8% | 0.58±14.8% | 3.83±24.0% | 0.2503 | 0.0201 |
| NGC5260 | PGC48371 | .SBS5.. | 29.4 | 85.5 | 0.0281±25.4% | 0.0445±16.1% | 1.11±16.1% | 7.56±39.2% | 0.1735 | 0.0083 |
| NGC5261 | PGC69969 | .SBS6.. | 31.7 | 45.7 | 0.0498±31.8% | 0.0737±24.9% | 0.98±24.9% | 4.88±70.7% | 0.1674 | 0.0215 |
| NGC5483 | PGC50600 | .SAS5.. | 24.2 | 21.8 | 0.0198±22.9% | 0.0734±16.0% | 0.47±16.0% | 6.59±32.8% | 0.2410 | 0.0345 |
| NGC5494 | PGC50732 | .SAS5.. | 29.4 | 34.4 | 0.0315±31.7% | 0.0705±27.1% | 0.70±27.1% | 4.95±23.2% | 0.1784 | 0.0803 |
| NGC5495 | PGC50729 | PSXR5.. | 37.4 | — | 0.0476±46.5% | 0.0687±37.3% | — | 3.20±78.4% | 0.1038 | 0.0104 |

(continued)

| NGC | PGC | Type | $\gamma(^\circ)$ | $d$(Mpc) | $H/D_{25}$ | $h(')$ | $H$(kpc) | $\Lambda$ | $\rho_0(')$ | $S_R$ |
|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| NGC5592 | PGC51428 | .SBS4?. | 57.5 | 56.9 | 0.0260±56.7% | 0.0394±49.8% | 0.65±49.8% | 10.22±74.2% | 0.1129 | 0.0245 |
| NGC5643 | PGC51969 | .SXT5.. | 29.4 | 14.2 | 0.0261±12.6% | 0.1193± 8.0% | 0.49± 8.0% | 7.25±24.4% | 0.4484 | 0.0210 |
| NGC5757 | PGC52839 | RSBR3.. | 35.6 | 34.8 | 0.0414±18.1% | 0.0825±11.1% | 0.84±11.1% | 7.27±28.7% | 0.3001 | 0.0525 |
| NGC6000 | PGC56145 | .SBS4*. | 29.4 | 27.4 | 0.0366±42.2% | 0.0681±32.9% | 0.54±32.9% | 8.06±53.4% | 0.2634 | 0.0341 |
| NGC6215 | PGC59112 | .SAS5.. | 33.7 | 19.3 | 0.0153±90.7% | 0.0327±83.8% | 0.18±83.8% | 2.94±41.9% | 0.0581 | 0.0415 |
| NGC6221 | PGC59175 | .SBS5.. | 46.2 | 18.2 | 0.0388±19.3% | 0.1376±14.7% | 0.73±14.7% | 5.39±34.0% | 0.2760 | 0.0418 |
| NGC6707 | PGC62563 | .SBS5?. | 63.5 | 35.6 | 0.0352±39.7% | 0.0736±28.2% | 0.76±28.2% | 5.15±82.9% | 0.1177 | 0.0127 |
| NGC6780 | PGC63151 | .SXT5.. | 33.7 | 45.7 | 0.0167±65.6% | 0.0326±56.4% | 0.43±56.4% | 5.59±31.8% | 0.0880 | 0.0669 |
| NGC6806 | PGC63416 | .SXT5P. | 50.9 | 76.3 | 0.0273±71.3% | 0.0432±64.4% | 0.96±64.4% | 3.47±56.9% | 0.0813 | 0.0461 |
| NGC6816 | PGC63584 | .SBT4P. | 64.1 | — | 0.0374±28.2% | 0.0837±19.0% | — | 5.38±43.2% | 0.2236 | 0.0429 |
| NGC6844 | PGC64025 | RSXT3.. | 39.1 | 41.4 | 0.0655±32.8% | 0.0947±21.3% | 1.14±21.3% | 5.11±39.9% | 0.2064 | 0.0792 |
| NGC6907 | PGC64650 | .SBS4.. | 35.6 | 43.0 | 0.0241±25.2% | 0.0798±20.6% | 1.00±20.6% | 5.34±23.8% | 0.2052 | 0.0290 |
| NGC6919 | PGC64883 | .SXS5*. | 43.6 | 88.3 | 0.0177±42.4% | 0.0294±35.5% | 0.76±35.5% | 8.09±71.5% | 0.0892 | 0.0294 |
| NGC6984 | PGC65798 | .SBR5.. | 48.6 | 61.7 | 0.0273±24.4% | 0.0496±17.5% | 0.89±17.5% | 9.89±44.2% | 0.1711 | 0.0544 |
| NGC7038 | PGC66414 | .SXS5*. | 59.1 | 65.5 | 0.0186±30.2% | 0.0589±23.3% | 1.12±23.3% | 9.58±40.3% | 0.1569 | 0.0138 |
| NGC7059 | PGC66784 | .SXT5.. | 61.4 | 22.3 | 0.0358±21.8% | 0.1242±17.2% | 0.80±17.2% | 5.19±33.9% | 0.1706 | 0.0094 |
| NGC7072 | PGC66870 | .SXS5*. | 44.9 | — | 0.0346±95.7% | 0.0288±86.5% | — | 3.08±123.1% | 0.0529 | 0.0655 |
| NGC7095 | PGC67546 | .SBS5.. | 17.3 | 32.2 | 0.0310±17.9% | 0.0874± 8.7% | 0.82± 8.7% | 6.92±30.1% | 0.3022 | 0.0219 |
| NGC7106 | PGC67215 | .SXT5*. | 53.9 | 42.7 | 0.0163±71.0% | 0.0284±64.1% | 0.35±64.1% | 6.34±58.2% | 0.0723 | 0.0294 |
| NGC7119 | PGC67322 | .S..5*P | 62.8 | 127.6 | 0.0632±63.9% | 0.0372±43.2% | 1.38±43.2% | 7.70±83.1% | 0.0688 | 0.1385 |
| NGC7152 | PGC67601 | .SBT3?P | 61.4 | 88.1 | 0.0310±67.0% | 0.0382±57.8% | 0.98±57.8% | 4.33±165.4% | 0.0602 | 0.0583 |
| NGC7162 | PGC67795 | .SAS5.. | 68.2 | 30.4 | 0.0214±23.1% | 0.0602±16.2% | 0.53±16.2% | 8.78±83.3% | 0.1887 | 0.0361 |
| NGC7167 | PGC67816 | .SBS5*. | 42.2 | 35.2 | 0.0173±66.9% | 0.0294±57.7% | 0.30±57.7% | 5.20±74.0% | 0.0628 | 0.0334 |
| NGC7184 | PGC67904 | .SBR5.. | 75.8 | 35.9 | 0.0236±23.6% | 0.1419±19.0% | 1.48±19.0% | 12.51±49.6% | 0.2220 | 0.0349 |
| NGC7214 | PGC68152 | .SBS4P* | 48.6 | 91.5 | 0.0298±36.8% | 0.0653±27.6% | 1.74±27.6% | 5.27±53.4% | 0.1469 | 0.0306 |
| NGC7229 | PGC68344 | .SBS5.. | 31.7 | 57.9 | 0.0227±33.1% | 0.0413±26.2% | 0.70±26.2% | 6.69±24.4% | 0.1302 | 0.0372 |
| NGC7258 | PGC68710 | .S..3*. | 64.1 | 52.3 | 0.0427±38.5% | 0.0618±29.3% | 0.94±29.3% | 5.19±104.6% | 0.0957 | 0.0312 |
| NGC7259 | PGC68718 | .S..3.. | 33.7 | 23.5 | 0.0273±37.8% | 0.0306±26.3% | 0.21±26.3% | 6.27±63.0% | 0.0887 | 0.0250 |
| NGC7306 | PGC69132 | PSB.3?. | 65.4 | 48.2 | 0.0292±96.9% | 0.0496±87.6% | 0.70±87.6% | 11.85±137.5% | 0.2136 | 0.0484 |
| NGC7314 | PGC69253 | .SXT4.. | 62.8 | 19.7 | 0.0153±14.3% | 0.0698±12.0% | 0.40±12.0% | 7.79±61.2% | 0.1690 | 0.0198 |
| NGC7513 | PGC70714 | PSBS3P. | 48.6 | 21.3 | 0.0511±30.7% | 0.1615±23.8% | 1.00±23.8% | 8.46±36.3% | 0.5609 | 0.0453 |
| NGC7645 | PGC71314 | .SBR5.. | 31.7 | 91.9 | 0.0389±37.7% | 0.0562±28.5% | 1.50±28.5% | 5.69±29.1% | 0.1604 | 0.0431 |
| | PGC00520 | .SBR5*. | 59.1 | — | 0.0460±62.7% | 0.0504±51.2% | — | 4.15±130.5% | 0.0780 | 0.0859 |
| | PGC00879 | .SAR6.. | 44.9 | 137.2 | 0.0587±55.1% | 0.0659±43.6% | 2.63±43.6% | 7.97±98.6% | 0.1968 | 0.0378 |
| | PGC01024 | RSAR3*. | 56.7 | 129.3 | 0.0721±44.9% | 0.0908±35.7% | 3.42±35.7% | 6.24±66.4% | 0.2822 | 0.0797 |
| | PGC02001 | PSBT4.. | 59.1 | 84.8 | 0.0756±77.5% | 0.0930±63.7% | 2.30±63.7% | 3.34±140.4% | 0.1273 | 0.0148 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| | PGC02047 | PSBR4.. | 47.5 | 108.0 | 0.0773±38.5% | 0.1092±29.3% | 3.43±29.3% | 4.70±58.9% | 0.2028 | 0.0708 |
| | PGC02229 | .SBS5*P | 24.2 | 110.5 | 0.0297±53.0% | 0.0311±41.5% | 1.00±41.5% | 5.01±49.5% | 0.0782 | 0.0165 |
| | PGC02619 | PSBR3.. | 44.9 | 102.7 | 0.0710±37.0% | 0.0936±23.2% | 2.80±23.2% | 6.17±42.3% | 0.2394 | 0.0279 |
| | PGC03046 | .SB.5?. | 64.7 | — | 0.0239±95.9% | 0.0274±84.3% | — | 5.83±76.8% | 0.0516 | 0.0454 |
| | PGC03453 | .SXR5*. | 21.1 | 75.1 | 0.0110±43.8% | 0.0187±34.6% | 0.41±34.6% | 7.79±56.1% | 0.0724 | 0.0179 |
| | PGC03579 | RSAR2P? | 27.0 | 91.5 | 0.0354±40.3% | 0.0478±28.8% | 1.27±28.8% | 8.16±63.6% | 0.1939 | 0.0242 |
| | PGC03828 | .SXS5.. | 62.1 | — | 0.0556±47.8% | 0.0668±36.2% | — | 4.49±52.9% | 0.0778 | 0.0139 |
| | PGC04441 | .SBT5.. | 46.2 | 72.8 | 0.0270±68.0% | 0.0289±56.5% | 0.61±56.5% | 5.82±53.1% | 0.0745 | 0.0301 |
| | PGC04570 | .SXS5.. | 31.7 | — | 0.0145±116.4% | 0.0159±104.9% | — | 5.00±100.0% | 0.0460 | 0.0847 |
| | PGC04912 | .SBR4.. | 72.4 | 78.5 | 0.0298±23.4% | 0.0580±16.5% | 1.32±16.5% | 7.71±131.5% | 0.0889 | 0.0229 |
| | PGC05158 | .SBT5P. | 50.9 | — | 0.0566±35.5% | 0.0566±23.9% | — | 5.29±48.2% | 0.1334 | 0.0420 |
| | PGC05227 | .SXT5.. | 31.7 | 144.1 | 0.0096±48.3% | 0.0152±39.1% | 0.64±39.1% | 9.48±67.6% | 0.0733 | 0.0170 |
| | PGC05362 | .SXT5.. | 24.2 | 73.2 | 0.0285±56.6% | 0.0556±47.4% | 1.18±47.4% | 8.20±71.5% | 0.2425 | 0.0151 |
| | PGC05597 | .SAR5.. | 33.7 | 89.2 | 0.0111±61.1% | 0.0176±51.9% | 0.46±51.9% | 6.81±71.6% | 0.0623 | 0.0269 |
| | PGC05617 | .SBR4.. | 59.9 | 79.9 | 0.0330±44.5% | 0.0488±35.3% | 1.13±35.3% | 7.38±87.0% | 0.1307 | 0.0403 |
| | PGC06161 | .S..4./ | 76.8 | 78.6 | 0.1234±92.1% | 0.2245±85.1% | 5.13±85.1% | 4.21±151.0% | 0.4792 | 0.0371 |
| | PGC06520 | .SAR3*. | 54.9 | — | 0.0425±42.5% | 0.0354±28.7% | — | 6.84±93.6% | 0.0991 | 0.0599 |
| | PGC06646 | PSBS3.. | 66.5 | — | 0.0424±122.0% | 0.0405±110.5% | — | 9.73±170.0% | 0.1748 | 0.0140 |
| | PGC06926 | .S..5*/ | 71.6 | — | 0.0804±99.2% | 0.0881±87.7% | — | 2.04±219.4% | 0.0587 | 0.0524 |
| | PGC07034 | .SAS5?. | 55.8 | 75.3 | 0.0285±52.6% | 0.0313±41.0% | 0.69±41.0% | 7.51±37.1% | 0.0684 | 0.0509 |
| | PGC07398 | PSBR3.. | 43.6 | 91.6 | 0.0646±32.4% | 0.1097±20.9% | 2.92±20.9% | 8.07±33.0% | 0.3325 | 0.0593 |
| | PGC07727 | .S..5.. | 51.9 | 83.6 | 0.0201±38.4% | 0.0318±29.2% | 0.77±29.2% | 7.67±87.4% | 0.1018 | 0.0282 |
| | PGC07742 | .SBS5.. | 61.4 | 65.9 | 0.0292±37.0% | 0.0474±27.8% | 0.91±27.8% | 5.29±108.9% | 0.1062 | 0.0252 |
| | PGC08223 | .S..4.. | 57.5 | 70.4 | 0.0551±33.5% | 0.1002±26.6% | 2.05±26.6% | 6.64±35.7% | 0.2046 | 0.0370 |
| | PGC08773 | .SAS5.. | 42.2 | 107.9 | 0.0118±50.2% | 0.0192±41.0% | 0.60±41.0% | 9.90±65.3% | 0.0732 | 0.0186 |
| | PGC08980 | PSBR3.. | 46.2 | 64.7 | 0.0498±40.0% | 0.0672±28.5% | 1.26±28.5% | 7.82±68.6% | 0.1876 | 0.0239 |
| | PGC09204 | .SBS6*. | 37.4 | 63.9 | 0.0192±26.6% | 0.0312±17.4% | 0.58±17.4% | 7.84±96.4% | 0.1063 | 0.0093 |
| | PGC09578 | .SB.5.. | 54.9 | 66.9 | 0.0389±49.5% | 0.0427±38.0% | 0.83±38.0% | 5.47±84.1% | 0.0808 | 0.1342 |
| | PGC09832 | .SBT4.. | 46.2 | — | 0.0385±53.2% | 0.0352±41.7% | — | 6.19±76.5% | 0.0927 | 0.0815 |
| | PGC10326 | .SXT5*. | 66.5 | — | 0.0247±42.9% | 0.0392±33.6% | — | 9.74±67.9% | 0.1576 | 0.0288 |
| | PGC10502 | PSXT4P* | 47.5 | 93.1 | 0.0251±39.5% | 0.0388±30.3% | 1.05±30.3% | 6.85±61.2% | 0.1301 | 0.0323 |
| | PGC10520 | .SBS4*. | 69.2 | 139.7 | 0.0382±71.7% | 0.0578±62.4% | 2.35±62.4% | 6.64±153.9% | 0.1171 | 0.0317 |
| | PGC11090 | .SBS3.. | 54.9 | — | 0.0512±46.2% | 0.0691±32.4% | — | 6.91±95.6% | 0.1440 | 0.0182 |
| | PGC11494 | .SBT3.. | 17.3 | — | 0.0235±89.1% | 0.0219±77.6% | — | 15.52±133.3% | 0.1683 | 0.0102 |
| | PGC11515 | .SXT5*P | 63.5 | 43.4 | 0.0515±31.6% | 0.0797±24.7% | 1.01±24.7% | 4.91±82.1% | 0.0984 | 0.0177 |
| | PGC12999 | .SBS3P. | 35.6 | 146.0 | 0.0468±70.3% | 0.0389±56.5% | 1.65±56.5% | 8.01±106.1% | 0.1582 | 0.0219 |
| | PGC13372 | .SAS5?. | 39.1 | 28.7 | 0.0249±79.0% | 0.0273±67.5% | 0.23±67.5% | 5.52±47.7% | 0.0677 | 0.0098 |
| | PGC13379 | .SAS5.. | 62.1 | — | 0.0246±61.9% | 0.0339±52.7% | — | 7.25±56.0% | 0.0658 | 0.0540 |
| | PGC13837 | .SXS5*. | 47.5 | 75.0 | 0.0174±68.2% | 0.0234±59.0% | 0.51±59.0% | 7.11±79.6% | 0.0672 | 0.0492 |
| | PGC13871 | .SXT5.. | 52.9 | 19.4 | 0.0167±36.6% | 0.0429±29.7% | 0.24±29.7% | 7.08±58.6% | 0.1032 | 0.0185 |

(continued)

| NGC | PGC | Type | $\gamma(^\circ)$ | $d$(Mpc) | $H/D_{25}$ | $h(')$ | $H$(kpc) | $\Lambda$ | $\rho_0(')$ | $S_R$ |
|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| | PGC13952 | .SXT5.. | 24.2 | 53.0 | 0.0262±27.5% | 0.0397±18.3% | 0.61±18.3% | 6.65±74.1% | 0.1337 | 0.0248 |
| | PGC14157 | .SBS5.. | 61.4 | — | 0.0225±105.4% | 0.0303±96.2% | — | 2.91±120.9% | 0.0508 | 0.0491 |
| | PGC14158 | .SBS5.. | 48.6 | — | 0.0436±60.7% | 0.0724±44.6% | — | 3.53±85.1% | 0.0983 | 0.0670 |
| | PGC14371 | .SBS5?. | 54.9 | 145.8 | 0.0465±46.1% | 0.0510±34.6% | 2.16±34.6% | 6.84±57.3% | 0.1503 | 0.0538 |
| | PGC14423 | .SBS5.. | 37.4 | — | 0.0249±61.6% | 0.0237±50.1% | — | 5.54±69.6% | 0.0681 | 0.0238 |
| | PGC14607 | .SBS4.. | 40.7 | 73.2 | 0.0267±52.8% | 0.0329±43.6% | 0.70±43.6% | 6.28±79.6% | 0.0926 | 0.0107 |
| | PGC14617 | .SBS5.. | 42.2 | 15.8 | 0.0143±56.0% | 0.0237±46.8% | 0.11±46.8% | 7.34±70.0% | 0.0754 | 0.0318 |
| | PGC14717 | .SBS5.. | 44.9 | 65.4 | 0.0343±78.6% | 0.0360±67.1% | 0.68±67.1% | 4.27±78.0% | 0.0778 | 0.0752 |
| | PGC15727 | .SXS5.. | 12.2 | — | 0.0225±46.4% | 0.0259±34.9% | — | 7.35±25.8% | 0.0982 | 0.0233 |
| | PGC16128 | .SBR4?/ | 75.1 | — | 0.0695±80.9% | 0.1388±71.7% | — | 4.81±98.3% | 0.3594 | 0.0304 |
| | PGC16130 | .S..5*P | 40.7 | 76.7 | 0.0718±50.7% | 0.0751±39.2% | 1.68±39.2% | 2.74±124.4% | 0.1329 | 0.0428 |
| | PGC16504 | .SXT6*. | 64.1 | 88.2 | 0.0404±31.9% | 0.0640±25.0% | 1.64±25.0% | 7.15±26.5% | 0.2374 | 0.0217 |
| | PGC16541 | .SAR3*. | 63.5 | 149.1 | 0.0177±45.8% | 0.0307±34.3% | 1.33±34.3% | 14.56±134.3% | 0.1008 | 0.0284 |
| | PGC16702 | .SXR5.. | 49.8 | 50.6 | 0.0228±30.4% | 0.0323±21.2% | 0.47±21.2% | 7.51±99.6% | 0.1020 | 0.0206 |
| | PGC16803 | .SXS5P. | 51.9 | 116.0 | 0.0162±95.3% | 0.0218±83.8% | 0.74±83.8% | 4.99±110.2% | 0.0630 | 0.0345 |
| | PGC16842 | .SBT4.. | 42.2 | 141.6 | 0.0301±36.9% | 0.0477±27.7% | 1.97±27.7% | 10.48±31.2% | 0.1979 | 0.0256 |
| | PGC16920 | .SBS5.. | 57.5 | 62.6 | 0.0277±58.3% | 0.0365±46.8% | 0.67±46.8% | 5.49±72.8% | 0.0994 | 0.0348 |
| | PGC16937 | .SAS5*. | 31.7 | — | 0.0184±98.7% | 0.0222±87.2% | — | 4.69±102.9% | 0.0481 | 0.0353 |
| | PGC17455 | .SXS5*. | 35.6 | 48.5 | 0.0116±73.3% | 0.0207±61.8% | 0.29±61.8% | 6.33±74.3% | 0.0627 | 0.0347 |
| | PGC17654 | .S..5.. | 21.1 | — | 0.0381±39.2% | 0.0408±27.7% | — | 5.42±64.7% | 0.1177 | 0.0244 |
| | PGC17901 | .SBR5*. | 62.1 | — | 0.0348±53.1% | 0.0364±41.6% | — | 7.27±71.0% | 0.0753 | 0.0654 |
| | PGC17985 | .SBR3.. | 27.0 | — | 0.0740±42.7% | 0.0812±26.6% | — | 4.38±55.6% | 0.1781 | 0.0353 |
| | PGC18034 | .SBR5*P | 31.7 | 39.9 | 0.0101±64.3% | 0.0137±50.5% | 0.16±50.5% | 10.84±70.7% | 0.0738 | 0.0566 |
| | PGC18197 | .SXT5P. | 39.1 | — | 0.0193±50.9% | 0.0286±41.7% | — | 6.88±44.3% | 0.1013 | 0.0272 |
| | PGC18446 | .SAT5.. | 59.1 | 162.6 | 0.0171±94.7% | 0.0221±83.1% | 1.04±83.1% | 5.60±49.0% | 0.0626 | 0.0597 |
| | PGC18953 | .SAR4*. | 42.2 | — | 0.0831±37.9% | 0.1046±28.7% | — | 3.95±46.0% | 0.1922 | 0.0471 |
| | PGC19106 | .SXS5.. | 33.7 | 197.2 | 0.0231±54.5% | 0.0290±43.0% | 1.66±43.0% | 5.27±100.2% | 0.0737 | 0.0392 |
| | PGC19300 | .SXS5.. | 35.6 | — | 0.0316±52.7% | 0.0447±41.1% | — | 4.73±24.3% | 0.1143 | 0.0380 |
| | PGC19360 | .SBS5.. | 63.5 | — | 0.0213±43.1% | 0.0406±36.2% | — | 4.89±68.3% | 0.1017 | 0.0132 |
| | PGC20363 | .SXT3P. | 46.2 | — | 0.0253±40.4% | 0.0541±31.2% | — | 9.17±78.8% | 0.2114 | 0.0099 |
| | PGC20427 | .SBT5?. | 64.7 | — | 0.0513±50.6% | 0.0741±41.4% | — | 3.75±58.4% | 0.1327 | 0.0833 |
| | PGC20510 | .SBS5.. | 46.2 | — | 0.0281±72.5% | 0.0415±56.4% | — | 5.05±81.4% | 0.0931 | 0.0184 |
| | PGC20742 | .SXR5*. | 44.9 | — | 0.0255±36.8% | 0.0336±27.6% | — | 6.22±83.0% | 0.0779 | 0.0172 |
| | PGC20908 | .SXT3*. | 37.4 | — | 0.0246±48.4% | 0.0399±39.2% | — | 11.89±93.9% | 0.1921 | 0.0124 |
| | PGC21717 | .SAR5.. | 21.1 | 65.1 | 0.0103±89.7% | 0.0115±78.1% | 0.22±78.1% | 7.99±83.5% | 0.0474 | 0.0532 |
| | PGC22224 | .SBT5.. | 60.7 | — | 0.0298±54.7% | 0.0431±45.4% | — | 5.17±122.2% | 0.0602 | 0.0295 |
| | PGC22558 | .SBS5*/ | 78.2 | — | 0.0374±71.6% | 0.0516±60.1% | — | 6.54±172.4% | 0.0480 | 0.0489 |
| | PGC23149 | .SXT5*. | 56.7 | — | 0.0147±39.2% | 0.0228±27.7% | — | 8.28±62.4% | 0.0698 | 0.0118 |
| | PGC23986 | .SXS5.. | 48.6 | — | 0.0097±107.0% | 0.0150±97.8% | — | 6.42±32.5% | 0.0483 | 0.0385 |
| | PGC24427 | .SBT4*. | 60.7 | — | 0.0408±38.2% | 0.0662±31.3% | — | 5.98±68.6% | 0.1921 | 0.0273 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| | PGC24516 | .SBS5.. | 69.2 | — | 0.0307±42.9% | 0.0584±31.4% | — | 8.21±52.0% | 0.2415 | 0.0108 |
| | PGC24836 | .SBT4*. | 39.1 | 70.7 | 0.0634±50.7% | 0.0817±36.9% | 1.68±36.9% | 6.29±78.0% | 0.2354 | 0.0239 |
| | PGC25200 | .SAS5.. | 46.2 | — | 0.0279±61.3% | 0.0395±45.2% | — | 5.22±69.4% | 0.1012 | 0.0278 |
| | PGC26057 | .SXS5.. | 71.6 | — | 0.0419±41.2% | 0.0816±34.3% | — | 4.70±108.3% | 0.1299 | 0.0389 |
| | PGC26093 | .SXT5.. | 40.7 | — | 0.0353±54.1% | 0.0658±44.9% | — | 8.84±75.4% | 0.2983 | 0.0385 |
| | PGC26276 | .SBR5.. | 42.2 | — | 0.0340±39.9% | 0.0578±33.0% | — | 9.71±38.7% | 0.2371 | 0.0098 |
| | PGC26463 | .SBS5*. | 40.7 | — | 0.0290±57.8% | 0.0460±46.3% | — | 5.19±120.6% | 0.1083 | 0.0377 |
| | PGC27006 | .SAT5.. | 21.1 | — | 0.0107±66.1% | 0.0307±54.6% | — | 6.09±44.3% | 0.0940 | 0.0184 |
| | PGC27584 | .SXR3P. | 0.0 | — | 0.0390±51.1% | 0.0381±39.6% | — | 9.80±89.1% | 0.1906 | 0.0457 |
| | PGC28025 | .SAS5.. | 53.9 | — | 0.0190±43.1% | 0.0415±33.9% | — | 6.54±73.3% | 0.0856 | 0.0346 |
| | PGC28313 | .SBR3*. | 60.7 | — | 0.0212±59.4% | 0.0465±50.2% | — | 17.15±92.5% | 0.2979 | 0.0485 |
| | PGC28323 | .SBS4.. | 42.2 | — | 0.0771±38.4% | 0.1016±29.2% | — | 4.08±54.8% | 0.2270 | 0.0340 |
| | PGC28510 | .SBR4.. | 35.6 | — | 0.0346±26.9% | 0.0548±20.0% | — | 10.04±34.9% | 0.2468 | 0.0488 |
| | PGC28667 | .SXT4P. | 54.9 | — | 0.0353±37.6% | 0.0599±26.1% | — | 10.18±65.3% | 0.2664 | 0.0116 |
| | PGC29577 | .SXR3.. | 46.2 | — | 0.0560±37.8% | 0.0614±26.3% | — | 8.52±59.0% | 0.2424 | 0.0370 |
| | PGC29723 | .SAS5P. | 42.2 | — | 0.0091±50.4% | 0.0155±38.9% | — | 9.90±99.5% | 0.0783 | 0.0205 |
| | PGC29888 | PSBS3.. | 69.7 | — | 0.0105±1093.2% | 0.0118±1079.4% | — | 52.52±1235.7% | 0.1206 | 0.0180 |
| | PGC30022 | .SAS5.. | 49.8 | 33.5 | 0.0165±50.7% | 0.0573±41.5% | 0.56±41.5% | 4.93±54.0% | 0.0994 | 0.0247 |
| | PGC30984 | .SXT5*. | 37.4 | 51.6 | 0.0198±79.6% | 0.0307±70.4% | 0.46±70.4% | 3.09±92.1% | 0.0659 | 0.0659 |
| | PGC31316 | .SBT4.. | 40.7 | 43.2 | 0.0351±21.4% | 0.0767±14.5% | 0.96±14.5% | 6.83±26.6% | 0.2731 | 0.0203 |
| | PGC31360 | .SXR4P* | 51.9 | 41.1 | 0.0564±31.7% | 0.1050±24.8% | 1.26±24.8% | 5.11±26.2% | 0.2858 | 0.0257 |
| | PGC31805 | .SAS5*. | 57.5 | 66.5 | 0.0136±71.1% | 0.0296±64.2% | 0.57±64.2% | 18.81±138.0% | 0.1602 | 0.0178 |
| | PGC31855 | .SAS5.. | 24.2 | 55.9 | 0.0205±22.4% | 0.0632±13.2% | 1.03±13.2% | 10.12±25.7% | 0.2932 | 0.0343 |
| | PGC31948 | .SXS5.. | 35.6 | 39.7 | 0.0560±33.7% | 0.0888±24.5% | 1.02±24.5% | 4.27±50.6% | 0.1707 | 0.0273 |
| | PGC31951 | .SBT4*. | 64.7 | 57.9 | 0.0592±50.4% | 0.1006±41.1% | 1.69±41.1% | 2.35±70.6% | 0.1482 | 0.0450 |
| | PGC31987 | .SXS4.. | 62.1 | — | 0.0258±100.4% | 0.0481±93.5% | — | 3.60±24.1% | 0.0820 | 0.0300 |
| | PGC32303 | .SAT5.. | 33.7 | — | 0.0203±48.4% | 0.0286±39.2% | — | 6.08±67.1% | 0.0820 | 0.0241 |
| | PGC32515 | .SBS5*P | 37.4 | 50.5 | 0.0448±28.0% | 0.0648±18.8% | 0.95±18.8% | 6.79±31.4% | 0.2264 | 0.0264 |
| | PGC32660 | .SXS5*. | 72.0 | — | 0.0298±45.8% | 0.0609±36.6% | — | 5.61±110.6% | 0.0733 | 0.0234 |
| | PGC33813 | .SXS5*. | 33.7 | 15.9 | 0.0273±59.5% | 0.0386±50.3% | 0.18±50.3% | 4.17±80.7% | 0.0757 | 0.0537 |
| | PGC34101 | .SAT5*P | 31.7 | 36.3 | 0.0214±45.1% | 0.0295±35.9% | 0.31±35.9% | 6.50±65.5% | 0.0939 | 0.0425 |
| | PGC34443 | .SXS5.. | 44.9 | 54.3 | 0.0181±53.3% | 0.0256±44.1% | 0.40±44.1% | 6.41±46.4% | 0.0797 | 0.0421 |
| | PGC34466 | .SBS5.. | 64.7 | 13.8 | 0.0373±27.8% | 0.0679±20.9% | 0.27±20.9% | 6.71±47.6% | 0.2369 | 0.0360 |
| | PGC34504 | .SXS6.. | 55.8 | — | 0.0647±31.4% | 0.0853±22.2% | — | 5.52±49.8% | 0.2505 | 0.0500 |
| | PGC35480 | PSBR3.. | 39.1 | 85.4 | 0.0545±32.4% | 0.0925±23.2% | 2.30±23.2% | 6.85±26.4% | 0.2637 | 0.0139 |
| | PGC36045 | .SXS6P* | 33.7 | 66.4 | 0.0566±39.6% | 0.0782±25.8% | 1.51±25.8% | 5.35±40.3% | 0.1920 | 0.1234 |
| | PGC37263 | .SXS5*. | 43.6 | 45.8 | 0.0160±78.4% | 0.0259±66.9% | 0.35±66.9% | 6.20±78.9% | 0.0662 | 0.0625 |
| | PGC37920 | .SXS5.. | 0.0 | — | 0.0236±43.4% | 0.0334±25.0% | — | 5.48±79.3% | 0.0973 | 0.0166 |
| | PGC38239 | .S..5.. | 67.7 | — | 0.0232±23.1% | 0.0452±13.9% | — | 8.57±109.2% | 0.0853 | 0.0134 |
| | PGC39623 | .SXS6.. | 21.1 | — | 0.0227±44.4% | 0.0336±28.3% | — | 7.05±75.5% | 0.1160 | 0.0284 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| | PGC39723 | .SBT5*. | 68.7 | — | 0.0222±58.5% | 0.0360±49.3% | — | 8.66±129.8% | 0.0777 | 0.0126 |
| | PGC39839 | PSXT4?. | 66.0 | — | 0.0218±56.0% | 0.0345±46.7% | — | 5.02±115.8% | 0.0854 | 0.0627 |
| | PGC41213 | .SBS5.. | 37.4 | — | 0.0208±101.8% | 0.0250±92.5% | — | 3.95±79.6% | 0.0545 | 0.0516 |
| | PGC42123 | .SBT6.. | 69.7 | 18.1 | 0.0583±43.5% | 0.1719±36.6% | 0.90±36.6% | 5.44±67.2% | 0.4184 | 0.0134 |
| | PGC42334 | .SBS6.. | 24.2 | 37.6 | 0.0275±29.6% | 0.0331±20.4% | 0.36±20.4% | 6.97±76.9% | 0.1094 | 0.0467 |
| | PGC42968 | .S..5.. | 59.1 | 64.2 | 0.0264±30.9% | 0.0552±21.7% | 1.03±21.7% | 6.09±70.6% | 0.1099 | 0.0126 |
| | PGC43022 | .SBT5.. | 31.7 | — | 0.0271±28.1% | 0.0383±18.9% | — | 10.65±58.1% | 0.2014 | 0.0263 |
| | PGC43181 | .SBT4P. | 62.8 | — | 0.0480±47.9% | 0.0577±38.6% | — | 5.62±131.4% | 0.1018 | 0.0199 |
| | PGC43206 | .SBT4.. | 49.8 | 44.3 | 0.0449±34.8% | 0.0895±25.6% | 1.15±25.6% | 4.15±44.3% | 0.1979 | 0.0169 |
| | PGC43562 | .SBR5.. | 37.4 | — | 0.0318±59.5% | 0.0340±48.0% | — | 11.47±92.8% | 0.1774 | 0.0226 |
| | PGC43812 | .S..3.. | 59.1 | 40.6 | 0.0463±51.3% | 0.0544±42.1% | 0.64±42.1% | 5.50±90.2% | 0.1590 | 0.0300 |
| | PGC44930 | .SBT5.. | 37.4 | 39.3 | 0.0192±47.4% | 0.0350±38.2% | 0.40±38.2% | 7.49±49.4% | 0.1110 | 0.0242 |
| | PGC45738 | .SBT5*. | 21.1 | 36.3 | 0.0279±35.5% | 0.0531±26.3% | 0.56±26.3% | 4.66±39.0% | 0.1345 | 0.0271 |
| | PGC47051 | .SXT4.. | 39.1 | 130.1 | 0.0327±26.4% | 0.0342±14.9% | 1.30±14.9% | 10.47±36.2% | 0.1478 | 0.0391 |
| | PGC47230 | .SXT5.. | 72.4 | — | 0.0396±33.1% | 0.0614±23.9% | — | 6.44±105.0% | 0.0730 | 0.0324 |
| | PGC49091 | .SXT4P* | 54.9 | — | 0.0450±43.0% | 0.0493±31.4% | — | 7.70±41.0% | 0.1613 | 0.0580 |
| | PGC49242 | .SBS5.. | 44.9 | 36.0 | 0.0412±46.2% | 0.0654±34.7% | 0.68±34.7% | 4.86±51.8% | 0.1573 | 0.0488 |
| | PGC49372 | .SBS5.. | 44.9 | 150.4 | 0.0257±80.8% | 0.0346±71.6% | 1.52±71.6% | 3.36±99.0% | 0.0659 | 0.0374 |
| | PGC49558 | .SBR4.P | 58.3 | 200.1 | 0.0440±38.3% | 0.0541±29.1% | 3.15±29.1% | 7.71±59.7% | 0.2120 | 0.0368 |
| | PGC49922 | .SBS6.. | 40.7 | 83.4 | 0.0214±82.6% | 0.0269±73.3% | 0.65±73.3% | 4.87±76.8% | 0.0587 | 0.0266 |
| | PGC49968 | .SXR4.. | 37.4 | — | 0.0432±36.3% | 0.0403±24.7% | — | 5.77±67.0% | 0.1230 | 0.0428 |
| | PGC50075 | PSBR4P. | 33.7 | 128.1 | 0.0271±31.5% | 0.0391±22.3% | 1.46±22.3% | 7.78±66.0% | 0.1426 | 0.0452 |
| | PGC50195 | .SBS6.. | 33.7 | — | 0.0422±27.4% | 0.1061±20.5% | — | 4.94±30.1% | 0.2537 | 0.0436 |
| | PGC50371 | .SBT4.. | 33.7 | — | 0.0312±28.1% | 0.0411±18.9% | — | 6.40±74.0% | 0.1304 | 0.0370 |
| | PGC50478 | .SBR5P* | 48.6 | — | 0.0660±29.6% | 0.1173±20.4% | — | 5.75±32.7% | 0.2780 | 0.0862 |
| | PGC50497 | .SBT5*. | 52.9 | — | 0.0427±97.8% | 0.0590±81.7% | — | 3.55±63.0% | 0.0785 | 0.0268 |
| | PGC50506 | PSBS3P* | 50.9 | — | 0.0670±78.4% | 0.0625±62.3% | — | 8.56±69.9% | 0.2056 | 0.0235 |
| | PGC50531 | PSBR3.. | 67.7 | — | 0.0759±63.2% | 0.0833±49.4% | — | 4.90±163.0% | 0.1112 | 0.0622 |
| | PGC50733 | .SBR3P* | 44.9 | — | 0.0601±69.1% | 0.0548±55.3% | — | 7.39±64.4% | 0.2073 | 0.0566 |
| | PGC50799 | .SBS6.. | 24.2 | 33.9 | 0.0148±39.4% | 0.0295±32.5% | 0.29±32.5% | 7.09±58.6% | 0.1097 | 0.0339 |
| | PGC50878 | .SXR5P. | 31.7 | — | 0.0785±33.3% | 0.1011±21.8% | — | 4.62±21.7% | 0.2334 | 0.0832 |
| | PGC51890 | .SAS4.. | 69.7 | — | 0.0389±52.5% | 0.0645±43.3% | — | 4.52±116.5% | 0.1073 | 0.0534 |
| | PGC51956 | PSBR3.. | 64.7 | — | 0.0336±65.1% | 0.0432±53.6% | — | 10.06±150.6% | 0.1008 | 0.0370 |
| | PGC52090 | .SXT6*. | 61.4 | 48.9 | 0.0448±22.6% | 0.1074±13.4% | 1.53±13.4% | 6.40±39.4% | 0.2872 | 0.0743 |
| | PGC52827 | .SBS6*. | 39.1 | — | 0.0161±55.6% | 0.0285±48.7% | — | 4.49±67.9% | 0.0694 | 0.0207 |
| | PGC54677 | .SBS5.. | 39.1 | — | 0.0266±31.9% | 0.0350±22.7% | — | 6.80±76.7% | 0.1091 | 0.0193 |
| | PGC55081 | .SXT5.. | 50.9 | 30.4 | 0.0222±32.4% | 0.0557±25.5% | 0.49±25.5% | 5.29±42.8% | 0.1548 | 0.0278 |
| | PGC55146 | .SBR2.. | 57.5 | — | 0.0084±605.5% | 0.0222±594.0% | — | 74.21±665.1% | 0.4434 | 0.0335 |
| | PGC55251 | .SXR5.. | 58.3 | — | 0.0404±54.6% | 0.0769±47.7% | — | 7.61±41.5% | 0.2699 | 0.0173 |
| | PGC56147 | .SXT5*. | 56.7 | 97.1 | 0.0136±83.2% | 0.0237±73.9% | 0.67±73.9% | 4.59±55.9% | 0.0566 | 0.0467 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| | PGC56497 | .S..5*. | 31.7 | — | 0.0226±46.2% | 0.0312±32.4% | — | 5.25±71.9% | 0.0871 | 0.0402 |
| | PGC56670 | .SAR5*. | 67.7 | — | 0.0469±69.1% | 0.0648±53.0% | — | 5.85±57.0% | 0.0988 | 0.0333 |
| | PGC59019 | .SBT5.. | 40.7 | — | 0.0198±41.2% | 0.0360±27.3% | — | 8.25±44.6% | 0.1197 | 0.0347 |
| | PGC59078 | .SAT5P* | 66.0 | — | 0.0446±70.2% | 0.0588±56.4% | — | 3.76±162.5% | 0.0960 | 0.0776 |
| | PGC59880 | .SXS5*. | 21.1 | — | 0.0246±24.7% | 0.0491±15.5% | — | 6.14±51.5% | 0.1507 | 0.0087 |
| | PGC60509 | PSAS2*. | 72.8 | — | 0.0627±143.0% | 0.0753±131.5% | — | 7.26±213.5% | 0.1025 | 0.0769 |
| | PGC60815 | PSBR2.. | 27.0 | 66.3 | 0.0744±35.5% | 0.1101±26.3% | 2.13±26.3% | 7.22±45.7% | 0.3682 | 0.0263 |
| | PGC60946 | PSBT2.. | 37.4 | — | 0.0978±42.2% | 0.1048±28.3% | — | 3.79±37.6% | 0.2169 | 0.2041 |
| | PGC62277 | .SBS5*P | 46.2 | — | 0.0570±47.0% | 0.0752±30.9% | — | 5.52±99.1% | 0.1544 | 0.0110 |
| | PGC62346 | PSBS3*. | 58.3 | 54.9 | 0.0833±35.4% | 0.1351±26.2% | 2.16±26.2% | 5.48±45.2% | 0.2638 | 0.0257 |
| | PGC63447 | .SXS5.. | 59.1 | — | 0.0607±85.9% | 0.0681±74.4% | — | 3.35±74.6% | 0.0688 | 0.2126 |
| | PGC63518 | .SBR4*. | 27.0 | — | 0.0592±39.8% | 0.0695±28.3% | — | 3.85±67.9% | 0.1350 | 0.0737 |
| | PGC63602 | .SAT4*. | 57.5 | — | 0.0329±35.1% | 0.0509±23.6% | — | 6.06±80.9% | 0.1227 | 0.0298 |
| | PGC63711 | .SAR4*. | 46.2 | — | 0.0300±36.3% | 0.0948±27.1% | — | 9.31±44.8% | 0.3154 | 0.0188 |
| | PGC63728 | .SAT4?. | 70.7 | — | 0.0656±47.7% | 0.1221±38.5% | — | 2.93±70.5% | 0.1296 | 0.0591 |
| | PGC63895 | .SBS5*. | 64.1 | — | 0.0399±108.6% | 0.0469±97.1% | — | 2.60±233.4% | 0.0590 | 0.0635 |
| | PGC63967 | .SAS5P. | 33.7 | — | 0.0096±80.3% | 0.0214±71.1% | — | 6.61±66.3% | 0.0615 | 0.0266 |
| | PGC64007 | .SAT6.. | 40.7 | — | 0.0148±120.9% | 0.0132±109.4% | — | 4.95±113.4% | 0.0380 | 0.0537 |
| | PGC64140 | .SBS6.. | 46.2 | — | 0.0324±38.9% | 0.0550±29.7% | — | 5.62±21.8% | 0.1616 | 0.0291 |
| | PGC64161 | .SAR5*. | 68.2 | — | 0.0267±47.2% | 0.0395±38.0% | — | 7.07±116.0% | 0.1358 | 0.0296 |
| | PGC64410 | .SAS5.. | 59.1 | 81.4 | 0.0123±76.9% | 0.0224±65.4% | 0.53±65.4% | 7.54±39.1% | 0.0824 | 0.0143 |
| | PGC64512 | .SBS5P. | 64.7 | — | 0.0629±55.8% | 0.0848±46.6% | — | 3.03±140.6% | 0.0991 | 0.0440 |
| | PGC64549 | .SXS5*. | 50.9 | 42.0 | 0.0388±64.5% | 0.0523±53.0% | 0.64±53.0% | 4.54±52.6% | 0.0855 | 0.0426 |
| | PGC64594 | .SAT5.. | 40.7 | 71.5 | 0.0248±49.5% | 0.0312±40.3% | 0.65±40.3% | 5.96±58.6% | 0.0799 | 0.0365 |
| | PGC64605 | .SAS6.. | 46.2 | 40.2 | 0.0216±48.2% | 0.0367±38.9% | 0.43±38.9% | 6.14±19.7% | 0.1093 | 0.0616 |
| | PGC65041 | PSBS3*. | 64.1 | 102.9 | 0.0601±59.9% | 0.0849±50.7% | 2.54±50.7% | 8.53±117.8% | 0.1664 | 0.0135 |
| | PGC65090 | .SBR3*. | 53.9 | — | 0.0341±71.4% | 0.0365±59.9% | — | 8.78±127.1% | 0.1186 | 0.0092 |
| | PGC65116 | .SBS5.. | 70.7 | 136.5 | 0.0525±83.5% | 0.0758±74.3% | 3.01±74.3% | 10.13±143.6% | 0.1929 | 0.0107 |
| | PGC65237 | .SBS5.. | 60.7 | 78.2 | 0.0408±52.5% | 0.0617±43.2% | 1.40±43.2% | 4.77±41.6% | 0.1502 | 0.0281 |
| | PGC65335 | .SBS5*. | 71.1 | 57.7 | 0.0476±55.3% | 0.0994±46.1% | 1.67±46.1% | 5.52±39.0% | 0.2606 | 0.0314 |
| | PGC65392 | .SXR6*. | 43.6 | — | 0.0350±32.8% | 0.0392±21.3% | — | 6.03±48.9% | 0.1154 | 0.0569 |
| | PGC65671 | .SBR6.. | 31.7 | 81.2 | 0.0202±31.0% | 0.0254±17.2% | 0.60±17.2% | 10.44±64.5% | 0.1232 | 0.0253 |
| | PGC65892 | .SAS5.. | 31.7 | 97.0 | 0.0146±53.3% | 0.0261±41.8% | 0.74±41.8% | 7.52±20.2% | 0.0962 | 0.0276 |
| | PGC65994 | .S..4.. | 37.4 | 78.0 | 0.0299±59.1% | 0.0328±49.9% | 0.74±49.9% | 5.08±33.8% | 0.0713 | 0.0260 |
| | PGC66169 | .SBS5.. | 53.9 | 125.0 | 0.0234±35.6% | 0.0282±24.1% | 1.02±24.1% | 8.23±113.1% | 0.0717 | 0.0274 |
| | PGC66327 | .SXT5.. | 35.6 | — | 0.0139±105.2% | 0.0145±93.7% | — | 6.30±86.9% | 0.0489 | 0.0174 |
| | PGC66421 | .SBS5.. | 58.3 | — | 0.0536±64.8% | 0.0602±53.3% | — | 2.89±169.6% | 0.0626 | 0.0536 |
| | PGC66436 | .SBS5.. | 46.2 | 65.3 | 0.0195±53.3% | 0.0256±44.1% | 0.49±44.1% | 7.20±61.4% | 0.0927 | 0.0431 |
| | PGC66454 | .SAS5*. | 44.9 | 165.3 | 0.0305±46.9% | 0.0350±37.7% | 1.68±37.7% | 6.31±38.4% | 0.1134 | 0.0602 |
| | PGC66735 | PSBR6.. | 29.4 | 143.6 | 0.0349±42.8% | 0.0383±33.6% | 1.60±33.6% | 8.25±84.2% | 0.1607 | 0.0308 |

(continued)

| NGC (1) | PGC (2) | Type (3) | $\gamma(^\circ)$ (4) | $d$(Mpc) (5) | $H/D_{25}$ (6) | $h(')$ (7) | $H$(kpc) (8) | $\Lambda$ (9) | $\rho_0(')$ (10) | $S_R$ (11) |
|---|---|---|---|---|---|---|---|---|---|---|
| | PGC67413 | PSXR2.. | 42.2 | — | 0.0635±34.7% | 0.0650±20.9% | — | 6.47±58.2% | 0.1824 | 0.0341 |
| | PGC67615 | .SAT2.. | 40.7 | 194.8 | 0.0454±34.5% | 0.0498±23.0% | 2.82±23.0% | 6.65±38.2% | 0.1426 | 0.0569 |
| | PGC67656 | .SBS5*. | 73.2 | 104.5 | 0.0409±54.4% | 0.0605±42.9% | 1.84±42.9% | 7.83±182.6% | 0.0784 | 0.0329 |
| | PGC67778 | .SXS6*. | 72.8 | 82.3 | 0.0299±68.8% | 0.0519±59.6% | 1.24±59.6% | 4.25±217.1% | 0.0655 | 0.0236 |
| | PGC67861 | .SBS6.. | 49.8 | 127.5 | 0.0350±36.7% | 0.0452±27.5% | 1.67±27.5% | 7.68±70.3% | 0.1546 | 0.0284 |
| | PGC68027 | PSXR4P* | 55.8 | 93.4 | 0.1546±44.4% | 0.2183±35.2% | 5.93±35.2% | 2.39±39.5% | 0.3231 | 0.1118 |
| | PGC68114 | .SAS5*. | 62.1 | 59.2 | 0.0328±43.8% | 0.0453±34.6% | 0.78±34.6% | 5.62±74.6% | 0.0766 | 0.0392 |
| | PGC68118 | .SBR4.. | 29.4 | — | 0.0737±47.9% | 0.0546±34.1% | — | 4.36±43.2% | 0.1166 | 0.0600 |
| | PGC68218 | .SAT4.. | 49.8 | 116.0 | 0.0298±108.2% | 0.0342±96.7% | 1.15±96.7% | 13.45±173.3% | 0.1673 | 0.0223 |
| | PGC68374 | PSXT4*. | 64.1 | 70.6 | 0.0535±88.7% | 0.0810±79.5% | 1.67±79.5% | 5.74±138.7% | 0.1738 | 0.0185 |
| | PGC68391 | PSAT3.. | 72.8 | 54.8 | 0.0536±48.0% | 0.0889±38.7% | 1.42±38.7% | 5.53±97.5% | 0.0869 | 0.0300 |
| | PGC68728 | .SBR3*. | 27.0 | — | 0.0627±48.1% | 0.0585±36.6% | — | 8.30±81.7% | 0.2247 | 0.0576 |
| | PGC68810 | .SAS5.. | 46.2 | 148.0 | 0.0159±79.3% | 0.0187±67.8% | 0.81±67.8% | 8.40±80.1% | 0.0628 | 0.0349 |
| | PGC69097 | .SBR3.. | 37.4 | 77.6 | 0.0544±48.6% | 0.0991±39.4% | 2.24±39.4% | 7.17±52.3% | 0.3644 | 0.0272 |
| | PGC69168 | .SBS5*. | 37.4 | — | 0.0360±61.7% | 0.0413±52.5% | — | 3.81±76.6% | 0.0856 | 0.1068 |
| | PGC69313 | RSBR3*. | 60.7 | 135.5 | 0.0429±32.5% | 0.0664±23.3% | 2.62±23.3% | 7.70±62.1% | 0.1404 | 0.0401 |
| | PGC69899 | .S..5*P | 29.4 | 128.7 | 0.0295±77.6% | 0.0295±66.1% | 1.10±66.1% | 4.90±27.7% | 0.0696 | 0.1000 |
| | PGC70079 | .SXS5*. | 64.7 | 122.8 | 0.0203±88.5% | 0.0286±79.3% | 1.02±79.3% | 4.24±148.4% | 0.0596 | 0.0420 |
| | PGC70165 | .SXT5.. | 53.9 | 116.9 | 0.0227±82.4% | 0.0279±73.2% | 0.95±73.2% | 5.40±96.0% | 0.0490 | 0.0633 |
| | PGC70611 | .S..4?. | 69.2 | 112.9 | 0.0652±67.2% | 0.1057±58.0% | 3.47±58.0% | 6.26±95.7% | 0.1920 | 0.0595 |
| | PGC70966 | .SBS5?. | 53.9 | 36.8 | 0.0266±40.5% | 0.0506±31.3% | 0.54±31.3% | 8.86±35.8% | 0.1354 | 0.0670 |
| | PGC71044 | .SXS4P. | 54.9 | 81.3 | 0.0743±58.2% | 0.1233±46.6% | 2.92±46.6% | 3.17±64.5% | 0.2194 | 0.0383 |
| | PGC71503 | .SBT4.. | 39.1 | — | 0.0495±43.6% | 0.0421±32.1% | — | 5.67±115.4% | 0.0984 | 0.0283 |
| | PGC72098 | .SAT4*. | 69.2 | 112.5 | 0.0359±48.4% | 0.0751±41.5% | 2.46±41.5% | 8.47±110.2% | 0.1637 | 0.0277 |
| | PGC72564 | .SB.3.. | 49.8 | — | 0.0479±67.3% | 0.0513±55.8% | — | 12.51±90.1% | 0.2889 | 0.0132 |
| | PGC72860 | .SBS5.. | 66.5 | 53.5 | 0.0413±45.7% | 0.0669±36.5% | 1.04±36.5% | 8.13±87.9% | 0.2536 | 0.0284 |
| | PGC72907 | .SA.5*. | 73.2 | 55.8 | 0.0340±62.6% | 0.0633±53.4% | 1.03±53.4% | 6.91±93.3% | 0.1140 | 0.0221 |
| | PGC72969 | .SBS5.. | 29.4 | 309.3 | 0.0275±32.9% | 0.0355±21.4% | 3.19±21.4% | 5.86±63.0% | 0.1038 | 0.0476 |
| | PGC73027 | .SBR3*. | 57.5 | 117.5 | 0.0432±43.1% | 0.0751±33.9% | 2.57±33.9% | 6.23±77.3% | 0.1954 | 0.0563 |