| Star | Period (days) | | sma (AU) | | Msin(i) (MJup) | | Eccentricity | | Baseline (days) | V(km/s)  Gaia Data Release 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | CL survey | This paper | CL survey | This paper | CL survey | This paper | CL survey | This paper |  |  |
| HD4203 | b =  c = | DPASS  b = 437.1  c = 6642 (UP 969370)  MCMC  b = 437.1 ± 0.2  c = 7500 – 40200 | b =  c = | DPASS  b = 1.17  c = 7.2 (UP 200)  MCMC  b = 1.17 ± 0.01  c = 7.2 – 24 | b =  c = | DPASS  b = 1.8  c = 2.5 (UP 6.4)  MCMC  b = 1.82 ± 0.06  c = 2.5 – 5.1 | b =  c = | DPASS  b = 0.51  c = 0.16 (UP 0.95)  MCMC  b = 0.51 ± 0.02  c = 0.18 – 0.65 | 7124 | -14.057 ± 0.154 |
| HD13931 | b = | DPASS  b = 4442  MCMC  b = | b = 5.323 ± 0.091 | DPASS  b = 5.33  MCMC  b = | b = | DPASS  b = 1.92  MCMC  b = 1.92 ± 0.08 | b = | DPASS  b = 0.02  MCMC  b < 0.06 | 7957 | 30.276 ± 0.219 |
| HD26161 | b = | DPASS  b = 64224 (UP 1265126)  MCMC  b = 20000 – 155000 | b = | DPASS  b = 33 (UP 240)  MCMC  b = 15 – 60 | b = | DPASS  b = 14.1 (UP 80)  MCMC  b = 13 – 170 | b = | DPASS  b = 0.78 (UP 0.95)  MCMC  b > 0.75 | 8076 | 13.200 ± 0.127 |
| HD50499 | b =  c = | DPASS  b = 2470  c = 9000 (UP 320000)  MCMC  b = 2470 ± 15  c = 8500 – 19700 | b =  c = | DPASS  b = 3.92  c = 9.3 (UP 100)  MCMC  b =  c = 8.9 – 15.7 | b =  c = | DPASS  b = 1.42  c = 2.7 (UP 14)  MCMC  b = 1.45 ± 0.08  c = 2.6 – 4.6 | b =  c = | DPASS  b = 0.32  c = 0.18 (UP 0.92)  MCMC  b =  c = 0.14 – 0.35 | 8439 | 36.937 ± 0.150 |
| HD66428 | b =  c = | DPASS  b = 2273  c = 9107 (UP 931850)  MCMC  b =  c = 33000 – 167000 | b =  c = | DPASS  b = 3.92  c = 8.7 (UP 190)  MCMC  b = 3.45 ± 0.01  c = 21 – 62 | b = 3.19 ± 0.11  c = | DPASS  b = 3.19  c = 2.2 (UP 52)  MCMC  b = 3.21 ± 0.07  c = 42 – 202 | b =  c = | DPASS  b = 0.45  c = 0.18 (UP 0.95)  MCMC  b =  c = 0.43 – 0.78 | 6937 | 43.989 ± 0.186 |
| HD68988 | b =  c = | DPASS  b = 6.28  c = 12190 (UP 108000)  MCMC  b = 6.281 ± 0.001  c = 13200 – 44800 | b = 0.0702 ± 0.0001  c = | DPASS  b = 0.07  c = 11.1 (UP 47.5)  MCMC  b = 0.071 ± 0.001  c = 11.6 – 26 | b =  c = | DPASS  b = 1.96  c = 13.9 (UP 28.6)  MCMC  b = 1.96 ± 0.01  c = 14 – 21 | b =  c = | DPASS  b = 0.15  c = 0.34 (UP 0.8)  MCMC  b = 0.15 ± 0.01  c = 0.37 – 0.68 | 7354 | -69.228 ± 0.127 |
| HD75732 | b = 14.6517 ± 0.0001  c = 44.383 ± 0.004  d =  e =  f = | DPASS  b = 14.7  c = 44.4  d = 4999  e = 262  f = 0.74  MCMC  b = 14.65 ± 0.01  c =  d =  e =  f = 0.75 ± 0.01 | b = 0.1162  ± 0.0018  c =  d = 5.54 ± 0.1  e =  f = | DPASS  b = 0.12  c = 0.25  d = 5.76  e = 0.8  f = 0.016  MCMC  b = 0.117 ± 0.001  c = 0.245 ± 0.001  d = 5.82 ± 0.04  e = 0.80 ± 0.01  f = 0.016 ± 0.001 | b = 0.841  ± 0.026  c =  d = 2.86 ± 0.25  e =  f = | DPASS  b = 0.88  c = 0.17  d = 3.53  e = 0.16  f = 0.03  MCMC  b =  c = 0.14 ± 0.01  d =  e =  f = | b =  c =  d =  e =  f = | DPASS  b = 0.01  c = 0.0  d = 0.09  e = 0.2  f = 0.0  MCMC  b = 0.03 ± 0.01  c =  d = 0.04 ± 0.03  e =  f = | 11338 | 27.257 ± 0.140 |
| HD92788 | b = 332.39 ± 0.53  c = | DPASS  b = 326  c = 8000 (UP 710000)  MCMC  b =  c = | b = 0.949 ± 0.013  c = | DPASS  b = 0.95  c = 8 (UP 160)  MCMC  b = 0.95 ± 0.01  c = | b = 3.52 ± 0.1  c = | DPASS  b = 3.5  c = 2.9 (UP 4.2)  MCMC  b = 3.50 ± 0.05  c = 2.9 ± 0.3 | b =  c = | DPASS  b = 0.36  c = 0.33 (UP 0.95)  MCMC  b = 0.36 ± 0.01  c = | 8076 | -4.334 ± 0.140 |
| HD95128 (47UMa) | b =  c =  d = | DPASS  b = 1075  c = 2266  d = 12963 (UP 12114000)  MCMC  b =  c = 2294± 22  d = 150000 – 410000 | b =  c =  d = | DPASS  b = 2.1  c = 3.4  d = 10.9 (UP 590)  MCMC  b = 2.08 ± 0.01  c = 3.48 ± 0.03  d = 40 – 113 | b =  c =  d = | DPASS  b = 2.4  c = 0.5  d = 1.4 (UP 173)  MCMC  b = 2.44 ± 0.04  c =  d = 2 – 148 | b =  c =  d = | DPASS  b = 0.05  c = 0.3  d = 0.32 (UP 0.95)  MCMC  b = 0.04 ± 0.01  c =  d = 0.39 – 0.91 | 11957 | 11.418 ± 0.156 |
| HD120066 | b = | DPASS  b = 32435 (UP 206500)  MCMC  b = 18400 – 78300 | b = | DPASS  b = 20.4 (UP 70)  MCMC  b = 14 – 37 | b = | DPASS  b = 3.3 (UP 3.9)  MCMC  b = 3.3 ± 0.1 | b = | DPASS  b = 0.86 (UP 0.95)  MCMC  b = | 8504 | -30.418 ± 0.195 |
| HD134987 | b = 258.25 ± 0.04  c = | DPASS  b = 258.2  c = 6316  MCMC  b = 258.4 ± 0.01  c = | b = 0.817 ± 0.012  c = | DPASS  b = 0.81  c = 6.8  MCMC  b = 0.81 ± 0.01  c = | b = 1.623 ± 0.049  c = | DPASS  b = 1.6  c = 0.99  MCMC  b = 1.61 ± 0.02  c = | b =  c = | DPASS  b = 0.22  c = 0.0  MCMC  b = 0.23 ± 0.01  c < 0.17 | 8439 | 5.206 ± 0.145 |
| HD136925 | b = | DPASS  b = 4238  MCMC  b = | b = | DPASS  b = 4.9  MCMC  b = 5.3 ± 0.3 | b = | DPASS  b = 0.89  MCMC  b = | b = | DPASS  b = 0.28  MCMC  b < 0.38 | 8056 | -48.997 ± 0.166 |
| HD145675  (14Her) | b = 1766.4 ± 0.07  c = | DPASS  b = 1767  c = 11421 (UP 760000)  MCMC  b = 1767±1  c = 18500 – 100200 | b =  c = | DPASS  b = 2.8  c = 9.6 (UP 110)  MCMC  b = 2.77±0.01  c = 13 – 41 | b =  c = | DPASS  b = 4.6  c = 3.3 (UP 13.2)  MCMC  b = 4.66±0.04  c = 4.5 – 9.8 | b =  c = | DPASS  b = 0.36  c = 0.19 (UP 0.92)  MCMC  b = 0.36 ± 0.01  c = 0.32 – 0.75 | 8739 | -13.989 ± 0.146 |
| HD156279 | b = 133.403 ± 0.004  c = | DPASS  b = 133.4  c = 4680  MCMC  b = 134.1 ± 0.1  c = | b =  c = | DPASS  b = 0.5  c = 5.4  MCMC  b = 0.50 ± 0.01  c = 5.45 ± 0.05 | b = 9.5 ± 0.31  c = | DPASS  b = 9.38  c = 9.3  MCMC  b = 9.39 ± 0.02  c = 9.3 ± 0.1 | b =  c = | DPASS  b = 0.65  c = 0.26  MCMC  b = 0.65 ± 0.01  c = 0.26 ± 0.01 | 5407 | -20.691 ± 0.240 |
| HD181234 | b = | DPASS  b = 7500  MCMC  b = | b = | DPASS  b = 7.5  MCMC  b = 7.5 ± 0.1 | c = | DPASS  b = 8.6  MCMC  b = | c = | DPASS  b = 0.73  MCMC  b = 0.73± 0.01 | 7478 | -46.420 ± 0.482 |
| HD183263 | b =  c = | DPASS  b = 624.9  c = 5171  MCMC  b =  c = | b = 1.508 ± 0.02  c = | DPASS  b = 1.51  c = 6.2  MCMC  b = 1.51 ± 0.01  c = 6.18 ± 0.03 | b =  c = 7.97 ± 0.22 | DPASS  b = 3.7  c = 8.6  MCMC  b =  c = 8.6 ± 0.1 | b =  c = | DPASS  b = 0.37  c = 0.0  MCMC  b = 0.37 ± 0.01  c < 0.02 | 6609 | -50.339 ± 0.145 |
| HD213472 | b = | DPASS  b = 17609 (UP 1006075)  MCMC  b = 55000 – 814000 | b = | DPASS  b = 13.5 (UP 200)  MCMC  b = 29 – 193 | b = | DPASS  b = 4 (UP 700)  MCMC  b = 84 – 700 | b = | DPASS  b = 0.08 (UP 0.92)  MCMC  b = 0.43 – 0.81 | 6761 | 17.025 ± 0.151 |
| HD217107 | b =  c = | DPASS  b = 7.13  c = 5135  MCMC  b = 7.13 ± 0.01  c = | b =  c = | DPASS  b = 0.073  c = 5.9  MCMC  b = 0.075 ± 0.001  c = 6.00 ± 0.04 | b = 1.38 ± 0.01  c = 4.31 ± 0.13 | DPASS  b = 1.3  c = 4  MCMC  b = 1.37 ± 0.01  c = 4.2 ± 0.2 | b = 0.127 ± 0.0028  c = | DPASS  b = 0.13  c = 0.41  MCMC  b = 0.14 ± 0.01  c = 0.42 ± 0.03 | 7646 | -13.143 ± 0.127 |
| GL 317 | b = 722.33 ± 0.37  c = | DPASS  b = 695.2  c = 7351 (UP 31074)  MCMC  b =  c = 6970 – 11500 | b = 1.1799 ± 0.0076  c = | DPASS  b = 1.15  c = 5.5 (UP 14.5)  MCMC  b = 1.15 ± 0.01  c = 5.3 – 6.9 | b = 1.852 ± 0.037  c = | DPASS  b = 1.79  c = 1.6 (UP 1.75)  MCMC  b = 1.79 ± 0.03  c = 1.6 ± 0.1 | b = 0.098 ± 0.016  c = | DPASS  b = 0.08  c = 0.22 (UP 0.95)  MCMC  b =  c = 0.17 – 0.41 | 7302 | 87.725 ± 0.117 |

Table: Comparison of the orbital parameters and masses of the CL survey as used by the CLS (left column of each parameter) with those obtained in this paper (right column of each parameter) for the planet with a semi-major axis larger than 5 au. The present study includes the results obtained with a genetic algorithm (DPASS) and those obtained with an MCMC. With MCMC, confidence intervals at 68% are given for each parameter and the median is given and the median is given only when the probability distribution has a profile close to a Gaussian distribution. The baseline of the RV data used in this analysis are the same as the ones used in the CL survey.