TABLE 1

RESULTS FOR THE OPEN CLUSTER NGC 6025

N	HD/CPD	μ_α [mas yr^{-1}]	μ_δ [mas yr^1]	V [mag]	ST	$v \sin i$ [km s^{-1}]
1[a]	143448	−1.49	−4.53	7.3	B1Ve	195
2[b]	143449	−2.34	−3.93	8.11	B5IV	65
3[c]	143413	−1.59	−7.00	8.42	B7 IV	240
4[d]	−60 6332	−5.46	−8.19	9.73	B8 V	60
5	−60 6316	0.98	0.33	10.23	B9 V	60
6[e]	143288	−0.65	27.21	8.96	B6 Ve	215
7[f]	143340	−2.30	−4.50	8.05	B5 IV	60
8	−60 6325	−6.07	−6.10	8.86	B6 V	200
10[g]	−60 6335	0.89	−3.46	10.8	A2:+A2:	20;20
11[h]	143287	−25.52	−12.15	8.34	B9 IVp(Hg−Mn?)	70
12[j]	143309	5.65	0.26	9.3	B6 V	10
13	−60 6319	−3.30	−4.96	9.62	B8 V	185
14[k]	−60 6322	1.85	0.68	9.85	B8.5 V	15
15[l]	−60 6327	−12.39	−29.72	9.63	F0 V	120
16	−60 6339	2.30	−3.99	9.88	B8 V	270
17[m]	−60 6343	−2.84	−11.15	11.17	B6/B7 V::	70
20	−60 6340	1.35	−7.86	11.25	A1V	···
21[n]	−60 6341	−16.76	−9.01	9.98	F5::	20
22[o]	143388	−1.44	5.89	9.15	B5 V	15
23	−60 6336	−3.66	−3.88	10.59	A0 V	60
24	−59 6562	−0.99	−3.76	10.06	B9 V	···
25	143412	−0.44	−3.56	9.7	B8 IIIpSiλ 4200	···
26[p]	143511	−8.02	−20.66	8.31	A0 V+A0 V:	25;25
29	−60 6313	−8.20	−6.75	10.69	B9 V	125
30	−60 6321	−5.77	−6.17	10.88	B9.5 V	···
34	−60 6362	−6.23	−0.69	10.51	B9 V	···
35	−60 6329	−1.35	4.31	10.97	A0 V	···
37	143220	−1.33	1.54	10.15	A3 III	15
38	−60 6311	−2.09	−4.61	10.68	A0 V	···
39[q]	−60 6342	−5.39	1.39	11.24	F0 V	···
43	143123	0.59	−5.43	9.34	B5 V	10
47	−60 6352	−3.74	−6.30	11.01	A1 V	···
59	143447	−1.67	−6.37	10.69	B9.5 p Si	···
60	−59 6578	−3.27	−3.97	10.48	B9.5 V	85
64	−60 6297	−7.91	−1.94	11.71	···	50
65	−60 6298	−4.98	−8.12	10.86	A0V	80
66	−60 6296	−4.29	−3.33	10.87	B9.5 V	80

Additional comments on individual stars:

[a]Variable (MQ TrA) between 7.2 and 7.3 mag in V. Blue struggler (see Mermilliod 1982). Parallax from Hipparcos (HIP 78682): 0.79 mas.
[b]Parallax from Hipparcos (HIP 78683): 0.64 mas.
[c]Parallax from Hipparcos (HIP 78659): 0.86 mas.
[d]m1 large as measured by Kilambi (1975). SB1.
[e]Probably a non-member due to its p.m. Emmission in Hβ.
[f]HIP 78643. Parallax 2.42 mas in new reduction (van Leeuwen 2007).
[g]SB2 (González & Levato 2010, private communication). $\delta V = 45$ km s^{-1} - m1 large.
[h]HIP 78604. parallax 3.58 mas. non-member according to its pm.
[j]Is it a variable (V350 Nor) between 9.2 and 9.310 V magnitude. It was classified by Houk & Cowley (1975) B9/B9 Ib/II.
[k]Radial velocity variable (González & Levato 2010, private communication).
[l]Probably non-member. Source proper motion.
[m]Spectral type not in the MK system. Only high resolution spectrum available.
[n]Probably non-member due to its proper motion.
[o]Radial velocity variable (González & Levato 2010, private communication).
[p]SB2, eclipsing binary, $P = 5.5354$ days. Probably non-member due to its pm.
[q]Probably non-member due to its spectroscopic parallax.