Table 3. CORAVEL and ELODIE vsini measurements of Pleiades stars from the Hertzsprung and Soderblom samples

star HII	B–V$_0$	$v \sin i$ (km s^{-1}) CORAVEL	ELODIE	star HII	B–V$_0$	$v \sin i$ (km s^{-1}) CORAVEL	ELODIE	star HII	B–V$_0$	$v \sin i$ (km s^{-1}) CORAVEL	ELODIE
25	0.443	44.2±4.9		793	1.378		5.0±0.8	1593	0.716	3.0±1.4	1.8±1.0
34	0.888	7.3±1.1	5.9±0.8	799	1.287		4.7±0.8	1613	0.494	20.1±0.8	
97	1.043		6.8±0.8	870	0.68		9.7±0.9	1726	0.505	12.9±0.7	
102	0.684	18.3±0.5		879	1.032	7.2±1.3	5.6±0.8	1756	1.325		5.0±0.8
120	0.666	9.4±1.2		882	1.040	no dip		1766	0.435	22.7±1.3	
129	0.830	5.3±1.4		883	1.086		3.8±0.8	1776	0.680	10.3±1.0	9.8±0.9
152	0.647	11.1±1.2	11.8±0.9	885	0.988	6.1±1.1	5.2±0.8	1785	1.361		6.5±0.8
164	0.459	38.9±5.1		890	1.344		5.4±0.8	1794	0.589	11.2±0.8	
173a	0.73	7.8±1.2		915	1.199		9.3±0.8	1797	0.515	19.6±0.9	
173b	0.83	6.3±2.2		916	0.824	6.7±1.0	5.6±0.8	1856	0.514	15.4±0.9	
174	0.811	no dip		923	0.579	18.2±0.6		1924	0.568	14.2±0.7	
186	0.76	11.1±0.7		974	1.288		4.2±0.8	2016	1.181		9.8±0.9
189	1.328		4.7±0.8	996	0.603	11.9±0.8		2027a	0.76	5.6±1.6	
191	1.36		9.1±0.8	1015	0.609	9.6±1.1		2106	0.823	3.7±1.5	8.0±0.8
193	0.758	6.3±1.4	6.8±0.8	1032	0.733	37.2±1.9		2126	0.815	2.6±1.7	5.3±0.8
233	0.493	14.1±0.7		1039	0.958	< 5	4.9±0.8	2147a	0.742	6.9±3.2	
248	0.738	12.1±1.1		1061	1.358		7.1±0.8	2147b	0.742	10.8±2.3	
250	0.637	6.9±1.1	5.9±0.8	1095	0.858	3.6±2.6	3.6±0.8	2172	0.582	10.3±0.4	
253	0.648	38.2±1.8		1100	1.088		5.4±0.8	2209	1.336		5.4±0.8
263	0.836	7.8±0.8		1101	0.572	SB2		2278	0.828	6.1±0.9	7.7±0.8
293	0.665	6.6±1.0	5.1±0.8	1110	1.170		5.9±0.8	2284	0.743	3.5±1.3	3.7±0.8
296	0.799	14.7±0.9		1114	1.357		7.3±0.8	2311	0.780	6.2±1.3	6.5±0.8
298	0.835	6.6±1.1	6.3±0.8	1117a	0.62	6.4±2.6		2341	0.672	3.4±1.7	3.6±0.8
303	0.856	17.4±0.7		1117b	0.67	3.6±2.5		2366	0.779	2.9±1.7	4.3±0.8
314	0.613	41.9±1.6		1122	0.425	28.6±1.2		2406	0.720	9.2±0.5	8.5±0.8
320	0.840	10.8±0.5		1124	0.924	5.6±3.3	3.5±0.8	2407†	0.910		6.3±0.8
338	0.428	>40		1132	0.451	>40		2462	0.791	5.4±1.2	4.9±0.8
345	0.806	18.9±0.7		1136	0.784	no dip		2500	0.58	33.0±3.4	
357	1.182		10.0±0.9	1139	0.437	31.4±1.9		2506	0.552	13.8±0.8	
380	1.171		6.0±0.8	1182	0.597	16.4±1.1		2548	1.297		5.7±0.8
405	0.495	18.2±1.0		1200	0.507	13.7±0.9		2588	1.133		5.2±0.8
430	0.777	7.3±1.0	6.3±0.8	1207	0.591	5.1±1.3		2644	0.698	3.6±1.9	5.0±0.8
451	1.169		5.7±0.8	1215	0.599	6.5±0.9	4.1±0.8	2665	0.790	5.9±1.2	5.4±0.8
476	0.53	21.0±1.0		1220	0.830	4.8±1.3	6.3±0.8	2741	0.972		7.8±0.8
489	0.594	18.3±0.8		1275	0.791	6.4±1.2	6.4±0.8	2786	0.562	22.0±1.0	
513	1.275		7.4±0.8	1298	0.957	5.6±2.2	4.8±0.8	2870	0.974		4.0±0.8
514	0.657	10.5±1.0		1332	0.988	< 2	5.3±0.8	2880	0.818	6.3±1.1	6.0±0.8
522	0.879	3.6±0.8	4.4±0.8	1348a	1.05		5.1±0.8	2881*	0.920	7.8±1.1	13.3±1.0
571	0.748	7.6±0.5	6.8±0.8	1348b	1.35		1.8±0.8	2984	0.961		5.4±0.8
590	1.323		6.9±0.8	1355	1.362		12.5±0.9	3019	1.174		6.0±0.8
627	0.473	33.2±1.3		1392	0.55	15.7±1.6		3096	0.948	6.2±1.3	
636	0.981		3.5±0.8	1454	1.068		3.3±0.8	3097	0.697	14.6±0.3	
659	0.66	12.2±1.1		1485	1.309		42.0±2.2	3104	1.24		7.1±0.8
676	1.065		5.5±0.8	1512	1.207		5.3±0.8	3179	0.529	5.5±1.2	4.3±0.8
727	0.519	>40		1514	0.609	13.6±0.8		3187	1.139		6.2±0.8
739	0.586	14.4±0.6		1516	1.267		105±10				
746	0.768	4.9±1.0	4.8±0.8	1553	1.078		9.6±0.9				

Table 4. CORAVEL vsini measurement of stars located in the corona of the Pleiades and recently selected by Rosvick et al. and by Mermilliod et al. as cluster members

star	$(B-V)_0$	$v \sin i$ ($km\,s^{-1}$)	star	$(B-V)_0$	$v \sin i$ ($km\,s^{-1}$)	star	$(B-V)_0$	$v \sin i$ ($km\,s^{-1}$)
R60	0.440	no dip	Pels 39*	0.83	2.0±2.0	Pels 143	0.85	5.2±1.2
S151x	0.46	21.6±1.0	Pels 40	0.53	11.9±0.7	Pels 146	0.62	17.6±1.4
S183x	0.5	32.3±1.4	Pels 44	0.86	3.9±3.1	Pels 150	0.48	26.3±1.7
S37	0.403	no dip	Pels 45	0.78	7.8±1.3	Pels 151	0.67	5.5±2.2
S39	0.424	no dip	Pels 46	0.7	8.1±1.2	Pels 173	0.41	36.7±3.0
Pels 3	0.47	SB2	Pels 47	0.86	4.5±1.5	Pels 174	0.54	>40
Pels 4	0.78	2.6±1.7	Pels 50	0.8	7.0±1.5	Ia 317	0.5	>40
Pels 5	0.66	11.1±0.9	Pels 56	0.77	>40	Ib 038	0.66	10.9±0.9
Pels 6	0.47	35.9±3.1	Pels 60	0.52	no dip	Ib 055	0.74	6.6±1.0
Pels 7	0.62	2.7±1.9	Pels 68	0.81	6.7±2.0	Ib 078	1.03	6.4±1.1
Pels 8	0.64	15.5±1.0	Pels 69	0.81	16.3±0.8	Ib 146a	0.45	12.4±3.5
Pels 11	0.82	5.2±1.3	Pels 71	0.77	9.1±1.1	Ib 146b	0.5	8.6±5.3
Pels 12	0.69	11.2±0.9	Pels 75	0.87	>40	Ib 288	1.01	SB2
Pels 15	0.54	24.4±1.1	Pels 78	0.7	8.8±1.1	II 293	0.65	8.5±0.9
Pels 17	0.5	29.3±2.0	Pels 79	0.73	2.8±1.7	II 359	0.57	16.6±0.9
Pels 18	0.58	11.8±1.0	Pels 83	0.69	14.5±1.1	III 059	0.8	4.1±1.2
Pels 19	0.85	4.8±1.4	Pels 86	0.45	no dip	III 079	0.43	no dip
Pels 20	0.61	9.6±1.1	Pels 89	0.84	3.2±2.1	III 391	0.73	2.3±1.8
Pels 23	0.55	36.2±1.7	Pels 121	0.62	4.9±1.1	III 679	0.96	4.1±1.5
Pels 25	0.443	no dip	Pels 123	0.92	3.1±2.1	III 700	0.67	9.3±0.9
Pels 28	0.94	8.9±1.2	Pels 124	0.5	20.5±0.9	IV 131	0.77	2.2±1.5
Pels 29	0.6	33.8±1.9	Pels 126	0.58	9.8±1.0	IV 314	0.98	2.7±2.8
Pels 30	0.9	6.7±1.1	Pels 128	0.61	4.6±1.5	V 088	0.77	5.2±1.2
Pels 31	0.94	12.2±1.0	Pels 135	0.45	no dip	V 198a	0.6	10.5±1.1
Pels 34	0.69	3.6±1.4	Pels 137	1.01	3.6±1.6	V 198b	0.87	2.0±2.0
Pels 35	0.51	19.4±1.1	Pels 138	0.76	5.6±1.6	V 308	0.78	8.0±1.0
Pels 37	0.63	13.4±2.6	Pels 140	0.45	11.5±1.2			
Pels 38	0.73	3.1±2.0	Pels 142	0.81	3.9±1.5			

Table 5. ELODIE vsini and radial velocity measurements of new members of the Pleiades corona

star	$(B-V)_0$	$v \sin i$	V_r	$(O-C)$	star	$(B-V)_0$	$v \sin i$	V_r	$(O-C)$
Pels 9	1.0	5.5±0.8	6.41	−0.15	Pels 72	0.72	160±10	6.0:	0.78
Pels 22	0.90	12.1±0.9	5.08	0.34	Pels 109	1.31	5.5±0.8	4.96	−0.35
Pels 41	0.90	5.1±0.8	5.59	0.56	Pels 114	1.04	6.0±0.8	6.70	0.21
Pels 43	0.92	6.8±0.8	4.92	0.04	Pels 115	1.06	5.5±0.8	6.28	0.24
Pels 59	0.99	5.6±0.8	5.06	0.02	Pels 137	1.01	5.2±0.8	4.90	0.12
Pels 63	1.07	2.9±0.8	7.41	−0.36	Pels 162	0.91	3.2±0.8	6.10	−0.18
Pels 66	1.0	4.9±0.8	7.39	0.45	Pels 189	0.93	4.9±0.8	5.87	0.53
Pels 71	0.77	11.1±0.9	6.25	0.23	Pels 192	1.34	11.4±0.9	6.77	0.34

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