

Confirmed exoplanets ^[4]													
Host star system				Companion exoplanet (in order from star)									Notes and additional planetary observations
Name	Distance (ly)	Apparent magnitude (V)	Mass (M _☉)	Label ^[note 5]	Mass (M _J) ^[note 6]	Radius (R _J)	Semi major axis (AU)	Orbital period (days)	Eccentricity	Inclination (°)	Discovery method	Discovery year	
Sun [*]	0.000016	−26.7	1	Mercury	0.055	0.3829	0.387	88.0	0.205	—	—	—	—
				Earth	1	1	1	365.3	0.0167	—	—	—	
				Jupiter	317.8	10.973	5.20	4,333	0.0488	—	—	—	
Proxima Centauri [#]	4.2465	11.13	0.123	d	≥0.26	—	0.0289	5.122	0.04	—	RV	2022	^{[14][15]} one disputed candidate (c) ^{[16][17][18][19]}
				b [†]	≥1.07	—	0.0486	11.19	0.02	—	RV	2016	
Lalande 21185 [#]	8.304	7.52	0.46	b	≥2.69	—	0.0788	12.94	0.06	—	RV	2019	1 candidate ^[20]
				c	≥13.6	—	2.94	2,946	0.13	—	RV	2021	
Epsilon Eridani	10.489	3.73	0.781	Ægir	242	—	3.53	2,689	0.26	166.5	RV	2000	1 inferred planet, 1 or possibly 2 inner debris discs, and an outer disc ^{[21][22]}
Lacaille 9352 [#]	10.724	7.34	0.489	b	≥4.2	—	0.068	9.262	0.03	—	RV	2019	1 candidate ^{[23][24]}
				c	≥7.6	—	0.120	21.79	0.03	—	RV	2019	
Ross 128	11.007	11.1	0.168	b [†]	≥1.40	—	0.0496	9.866	0.12	—	RV	2017	^[25]
Groombridge 34 A [#]	11.619	8.1	0.38	b	≥3.03	—	0.072	11.44	0.09	~54?	RV	2014	^{[26][27]}
				c	≥36	—	5.4	7,600	0.27	~54?	RV	2018	
Epsilon Indi A	11.867	4.83	0.762	b	941	—	11.08	15,700	0.42	98.7	RV	2018	^{[28][22]}
Tau Ceti [#]	11.912	3.50	0.78	g	≥1.75	—	0.133	20.0	0.06	~35?	RV	2017	4 candidates ^{[29][30][8][31][32][33]}
				h	≥1.8	—	0.243	49.4	0.23	~35?	RV	2017	
				e	≥3.9	—	0.538	163	0.18	~35?	RV	2017	
				f	≥3.9	—	1.33	640	0.16	~35?	RV	2017	
GJ 1061 [#]	11.984	7.52	0.113	b	≥1.37	—	0.021	3.204	<0.31	—	RV	2019	two solutions for d's orbit ^[34]
				c [†]	≥1.74	—	0.035	6.689	<0.29	—	RV	2019	
				d [†]	≥1.64	—	0.054	13.03	<0.53	—	RV	2019	
YZ Ceti [#]	12.122	12.1	0.130	b	≥0.70	—	0.0163	2.021	0.06	—	RV	2017	^[35]
				c	≥1.14	—	0.0216	3.060	0.0	—	RV	2017	
				d	≥1.09	—	0.0285	4.656	0.07	—	RV	2017	
Luyten's Star [#]	12.348	11.94	0.29	c	≥1.18	—	0.0365	4.723	0.10	—	RV	2017	^{[36][23]}
				b [†]	≥2.89	—	0.0911	18.65	0.17	—	RV	2017	
				d	≥10.8	—	0.712	414	0.17	—	RV	2019	
				e	≥9.3	—	0.849	542	0.03	—	RV	2019	
Teegarden's Star [#]	12.497	15.40	0.08	b [†]	≥1.05	—	0.0252	4.910	0	—	RV	2019	^[37]
				c [†]	≥1.11	—	0.0443	11.41	0	—	RV	2019	
Wolf 1061 [#]	14.050	10.1	0.25	b	≥1.91	—	0.0375	4.887	0.15	—	RV	2015	^[36]
				c [†]	≥3.41	—	0.0890	17.87	0.11	—	RV	2015	
				d	≥7.7	—	0.470	217	0.55	—	RV	2015	
TZ Arietis	14.578	12.30	0.14	b	≥67	—	0.88	771	0.46	—	RV	2019	2 refuted candidates ^{[23][38][39]}
Gliese 687 [#]	14.839	9.15	0.41	b	≥17.2	—	0.163	38.14	0.17	—	RV	2014	^{[23][38]}
				c	≥16.0	—	1.165	728	0.40	—	RV	2019	
Gliese 674	14.849	9.38	0.35	b	≥11.1	—	0.039	4.694	0.20	—	RV	2007	^[40]
Gliese 876 [#]	15.238	10.2	0.33	d	6.68	—	0.0210	1.938	0.04	56.7	RV	2005	^[41]
				c	235	—	0.1309	30.10	0.26	56.7	RV	2000	
				b	749	—	0.2098	61.10	0.03	56.7	RV	1998	
				e	16	—	0.3355	123.6	0.05	56.7	RV	2010	
GJ 1002 [#]	15.806	13.84	0.12	b [†]	≥1.08	—	0.0457	10.35	—	—	RV	2022	^[42]
				c [†]	≥1.36	—	0.0738	21.2	—	—	RV	2022	
Gliese 832	16.200	8.67	0.45	b	315	—	3.7	3,853	0.05	51 or 134	RV	2008	1 refuted candidate ^{[43][44]}
GJ 3323 [#]	17.531	12.2	0.164	b	≥2.0	—	0.0328	5.36	0.2	—	RV	2017	^[45]
				c	≥2.3	—	0.126	40.5	0.2	—	RV	2017	
Gliese 251	18.215	9.65	0.372	b	≥4.0	—	0.0818	14.2	0.10	—	RV	2020	^[46]
Gliese 229 A [#]	18.791	8.14	0.58	c [†]	≥7.3	—	0.339	122	0.19	—	RV	2020	Ab not confirmed until 2020. ^[47]
				b	≥8.5	—	0.898	526	0.10	—	RV	2014	
Gliese 752 A	19.292	9.13	0.46	b	≥13.6	—	0.338	106	0.03	—	RV	2018	^{[48][23]}
82 G. Eridani [#]	19.704	4.26	0.85	b	≥2.7	—	0.121	18.3	~0	—	RV	2011	2 candidates ^{[49][50][51]}
				c	≥2.4	—	0.204	40.1	~0	—	RV	2011	
				d	≥4.8	—	0.350	90	~0	—	RV	2011	
				e	≥4.8	—	0.509	147	0.29	—	RV	2017	
EQ Pegasi A	20.400	10.38	0.436	b	718	—	0.643	284	0.35	69.2	Astrometry	2022	^[52]
Gliese 581 [#]	20.549	10.5	0.31	e	≥1.7	—	0.0282	3.15	0.0	~45?	RV	2009	3 refuted candidates and a disc ^{[53][54][55][56]}
				b	≥16	—	0.0406	5.37	0.0	~45?	RV	2005	
				c	≥5.5	—	0.072	12.9	0.0	~45?	RV	2007	
Gliese 338 B	20.658	7.0	0.64	b	≥10.3	—	0.141	24.5	0.11	—	RV	2020	^[57]
Gliese 625	21.131	10.2	0.30	b	≥2.8	—	0.0784	14.6	~0.1	—	RV	2017	^[58]
HD 219134 [#]	21.336	5.57	0.78	b	4.7	1.60	0.0388	3.09	~0	85.05	RV	2015	^{[59][60][61]}
				c	4.4	1.51	0.065	6.77	0.062	87.28	RV	2015	
				d	≥16	—	0.237	46.9	0.138	~87?	RV	2015	
				f	≥7.3	—	0.146	22.7	0.148	~87?	RV	2015	
				g	≥11	—	0.375	94.2	0	~87?	RV	2015	
				h (e)	≥108	—	3.11	2,247	0.06	~87?	RV	2015	
LTT 1445 A [#]	22.387	10.53	0.26	c	1.54	1.15	0.0266	3.12	<0.22	87.43	Transit	2021	^{[62][63]}
				b	2.87	1.30	0.0381	5.36	<0.11	89.68	Transit	2019	
Gliese 393	22.953	8.65	0.41	b	≥1.71	—	0.0540	7.03	0.00	—	RV	2019	^{[23][64]}
Gliese 667 C [#]	23.623	10.2	0.33	b	≥5.4	—	0.049	7.20	0.13	~52?	RV	2009	5 dubious candidates ^{[65][8][66][67][23]}
				c [†]	≥3.9	—	0.1251	28.2	0.03	~52?	RV	2011	
Gliese 514	24.878	9.03	0.53	b	≥5.2	—	0.421	140	0.45	—	RV	2022	^[68]
Gliese 486	26.351	11.395	0.32	Su	2.8	1.31	0.0173	1.47	<0.05	88.4	Transit	2021	^[69]
Gliese 686	26.613	9.58	0.42	b	≥7.1	—	0.097	15.5	0.04	—	RV	2019	^{[70][23]}
61 Virginis [#]	27.836	4.74	0.95	b	≥5.1	—	0.0502	4.22	~0.1	~77?	RV	2009	a debris disc, ^[71] 1 disputed candidate ^[72]
				c	≥18	—	0.218	38.0	0.14	~77?	RV	2009	
CD Ceti	28.052	14.001	0.161	b	≥3.95	—	0.0185	2.29	0	—	RV	2020	^[73]
Gliese 785 [#]	28.739	6.13	0.78	b	≥17	—	0.32	75	0.13	—	RV	2010	^[74]
				c	≥24	—	1.18	530	~0.3	—	RV	2011	
Gliese 849 [#]	28.750	10.4	0.49	b	≥270	—	2.26	1,910	0.05	—	RV	2006	^{[75][23]}
				c	≥300								