Table 1: Properties of the data set of the RV fitting challenge.

System	Star	Data	M star	Rotation	Magn. cycle	Planet properties						
	(calendar)	type	[$M_\odot$]	period [d]	phase	Planet	Period [d]	Mass [$M_\oplus$]	Ecc.	T transit [d]	Semi-amplitude [m/s]	ω [rad]
1	HD10700	simulated	0.783	25.05	0.0	Kepler-11b	9.89	4.13	0.10	55494.86566	1.45	3.73
						Kepler-11d	23.37	6.28	0.12	55490.59677	1.67	2.55
						Kepler-11e	33.28	8.74	0.08	55473.28821	2.05	0.23
						Kepler-11g	112.46	2.38	0.21	55457.43153	0.38	4.36
						Dummy	273.20	1.90	0.16	55293.88276	0.22	5.94
2	HD10700	simulated	0.783	25.05	0.0	Kepler-20b	3.77	5.68	0.05	55499.70529	2.75	5.51
						Kepler-20e	5.79	0.63	0.11	55499.58933	0.27	3.68
						Kepler-20c	10.64	8.24	0.14	55489.92296	2.85	0.53
						Kepler-20f	20.16	1.23	0.08	55480.55466	0.34	1.78
						Kepler-20d	75.28	7.41	0.19	55430.69600	1.35	1.06
3	HD10700	simulated	0.783	25.05	0.5	HD10180b	1.12	1.32	0.00	55498.92368	0.96	0.00
						HD10180d	17.01	12.42	0.15	55488.48886	3.68	5.92
						Dummy	26.30	1.50	0.08	55484.03573	0.38	4.95
						HD10180e	48.75	24.89	0.06	55484.21874	5.14	5.92
						Dummy	201.50	3.20	0.20	55423.40832	0.42	1.48
						HD10180g	595.98	21.19	0.13	55122.54156	1.91	2.01
						HD10180h	2315.44	67.26	0.16	54859.73755	3.87	5.55
4	HD10700	simulated	0.783	25.05	0.5	-	-	-	-	-	-	-
5	HD192310	simulated	0.800	40.00	0.5	HD10700b	14.66	2.10	0.17	55486.81922	0.65	2.92
						Dummy	26.20	1.70	0.25	55481.40963	0.44	5.45
						HD10700c	34.65	3.04	0.03	55467.37320	0.69	5.52
						HD10700e	173.16	4.43	0.05	55421.08234	0.59	4.43
						Dummy	283.10	3.50	0.30	55462.39275	0.41	4.10
						HD10700f	616.32	6.34	0.03	55414.69085	0.55	1.45
6	**HD192310**	**real**	**0.800**		**REJECTED**							
7	HD192310	simulated	0.800	40.00	0.0	Dummy	38.32	1.54	0.02	55464.01402	0.34	2.46
						HD192310b	72.48	16.39	0.13	55467.62326	2.94	4.14
						Dummy	100.99	1.92	0.24	55412.94504	0.32	5.07
						Dummy	303.80	1.47	0.12	55263.18577	0.16	4.54
						HD192310c	541.57	24.72	0.33	55251.45429	2.38	3.49
8	HD192310	simulated	0.800	40.00	0.5	-	-	-	-	-	-	-
9	**HD128621**	**real**	**0.934**	**36-40**	-	-	-	-	-	-	-	-
10	**HD128621**	**real**	**0.934**	**36-40**	-	Dummy	0.82	0.93	0.05	55499.88682	0.67	0.34
						HD85512b	56.68	3.49	0.11	55498.78199	0.61	5.67
						Dummy	296.30	1.62	0.05	55212.65748	0.16	3.30
11	**HD128621**	**real**	**0.934**	**36-40**	-	HD10700b	14.66	2.10	0.17	55486.23930	0.58	3.73
						HD10700c	34.65	3.04	0.03	55483.21240	0.62	2.38
						HD10700d	96.93	3.71	0.08	55488.09514	0.54	4.23
						Dummy	283.10	3.50	0.30	55492.94069	0.37	0.52
						Dummy	3245.20	27.20	0.60	53636.69331	1.54	3.81

Table 1: continued.

System	Star (calendar)	Data type	M star [$M_\odot$]	Rotation period [d]	Magn. cycle phase	Planet properties						
						Planet	Period [d]	Mass [$M_\oplus$]	Ecc.	T0 [d]	Semi-amplitude [m/s]	ω [rad]
12	HD128621	simulated	0.934	40.00	0.0	HD128621b	3.08	1.04	0.00	55498.05350	0.48	0.00
						HD10700b	14.66	2.10	0.17	55489.46771	0.58	4.50
						HD10700c	34.65	3.04	0.03	55477.87032	0.62	5.36
						HD10700d	96.93	3.71	0.08	55488.62457	0.54	1.82
						Dummy	268.94	3.33	0.28	55421.38699	0.36	3.47
						Dummy	3407.46	28.56	0.63	54870.04638	1.64	1.74
13	HD128621	simulated	0.934	40.00	0.5	-	-	-	-	-	-	-
14	**Corot-7**	**real**	**0.930**	**22.32**	-	-	-	-	-	-	-	-
15	Corot-7	simulated	0.930	22.32	0.5	Corot-7b	0.88	4.87	0.12	55499.85310	3.44	0.04
						Corot-7c	3.63	13.29	0.12	55499.32164	5.85	5.80
						Corot-7d	9.47	17.54	0.00	55496.58304	5.56	0.00