

Supplementary Table S1. Stages at which quantitative traits were measured.

No	Quantitative traits	Observations
1.	Days to 50% flowering	The time taken by the chilli plant to reach 50% flowering
2.	Days to fruiting	Number of days from transplanting until 50% of the plants bear mature fruits at the first and second bifurcation,
3.	Fruit length	Average fruit length of 10 ripe fruits of the second harvest.
4.	Fruit diameter	Measured at the widest point. Average fruit width of 10 ripe fruits of the second harvest.
5.	Fruit girth	Average measurement of 10 fruits of its circumference, or the distance around it.
6.	Pedicle Length	Average length of 10 pedicels of the second harvest to one decimal place
7.	Pedicle Diameter	Average width of 10 pedicels of the second harvest to one decimal place
8.	Fruit weight	Average fruit weight of 10 ripe fruits of the second harvest.

Supplementary Table S2. Details of descriptors and descriptor states and stage of recording observation for qualitative traits recorded in the study.

N	Qualitative traits	State	Code	Recorded at
1	Flower Position	Pendant	3	Recorded at anthesis
		Intermediate	5	
		Erect	7	
2	Corolla Colour	White	1	Recorded at anthesis
		Light yellow	2	
		Yellow	3	
		Yellow-green	4	
		Purple with white base	5	
		White with purple base	6	
		White with purple margin	7	
		Purple	8	
		Other	9	
3	Anther Colour	White	1	Observed immediately after blooming before anthesis
		Yellow	2	
		Pale blue	3	
		Blue	4	
		Purple	5	
		Other	6	
4	Stigma exertion	Inserted	1	Recorded at full anthesis
		Same level	2	
		Exserted	3	

Supplementary Table S2. Cont.

N	Qualitative traits	State	Code	Recorded at
5	Fruit Shape	Elongate	1	Recorded at ripe fruits of the second harvest
		Almost round	2	
		Triangular	3	
		Campanulate	4	
		Blocky	5	
		Other	6	
6	Fruit shape at pedicel attachment	Acute	1	Recorded at ripe fruits of the second harvest
		Obtuse	2	
		Truncate	3	
		Cordate	4	
		Lobate	5	
7	Neck at base of fruit	Absent	1	Recorded at ripe fruits of the second harvest
		Present	2	
8	Fruit shape at blossom end	Pointed	1	Recorded at ripe fruits of the second harvest
		Blunt	2	
		Sunken	3	
		Sunken and pointed	4	
9	Fruit Surface	Smooth	1	Recorded at ripe fruits of the second harvest
		Semi wrinkled	2	
		Wrinkled	3	
10	Fruit position	Pendant	1	Recorded at ripe fruits of the second harvest
		Intermediate	2	
		Erect	3	

Supplementary Table S3. Mean values of eight quantitative traits of chilli germplasm selections.

N.	ACCESSIONS	DFF	DTFF	FL (cm)	FD (cm)	FG (cm)	PDL (cm)	PDD (cm)	FW (g)
1	CH11 Sel-1	35	44	6.600	1.210	3.933	1.733	0.300	32.000
2	CH12 Sel-1	38	44	6.733	1.046	3.700	2.300	0.345	37.000
3	CH15 Sel-1	34	40	8.100	1.343	4.200	2.733	0.215	64.000
4	CH19 Sel-1	33	41	8.300	0.912	3.267	2.167	0.234	31.000
5	CH21 Sel-1	24	30	8.633	1.396	4.400	1.900	0.359	75.000
6	CH21 Sel-2	26	34	6.467	0.743	2.433	3.033	0.185	16.500
7	CH21 Sel-3	27	35	7.900	0.890	3.100	2.867	0.212	30.500
8	CH24 Sel-1	34	40	8.033	0.971	3.367	3.267	0.259	35.000
9	CH24 Sel-2	38	44	4.867	0.731	2.400	2.333	0.205	12.000
10	CH92 Sel-1	34	42	7.733	0.755	2.433	2.300	0.294	24.500
11	CH99 Sel-1	42	49	5.067	0.796	2.900	2.767	0.258	26.500
12	CH99 Sel-2	42	48	3.567	1.067	3.100	2.133	0.227	23.500
13	CH99 Sel-3	42	49	4.800	0.842	2.867	2.267	0.220	11.500

14	CH100 Sel-1	34	41	6.900	0.896	2.900	2.600	0.225	21.000
15	CH100 Sel-2	34	40	4.767	0.811	2.600	2.700	0.269	16.000
16	CH101 Sel-1	34	40	5.400	1.258	4.233	2.700	0.248	40.500
17	CH101 Sel-2	36	43	8.100	1.075	3.767	2.633	0.373	39.000
18	CH103 Sel-1	23	30	6.433	1.012	3.367	2.633	0.246	35.500
19	CH103 Sel-2	24	31	3.867	1.883	6.167	2.633	0.369	48.500
20	CH103 Sel-3	22	28	7.600	1.136	3.933	2.933	0.235	43.333
21	CH104 Sel-1	38	44	6.900	0.698	2.633	2.333	0.245	20.500
22	CH105 Sel-1	34	41	4.433	0.742	2.333	2.200	0.269	11.000
23	CH106 Sel-1	41	48	6.333	1.176	3.767	2.433	0.213	33.500
24	CH106 Sel-2	36	43	4.100	0.698	1.833	1.333	0.148	10.000
25	CH107 Sel-1	36	42	5.567	0.929	3.600	2.433	0.208	28.500
26	CH107 Sel-2	38	44	6.733	1.104	3.800	2.100	0.333	36.000
27	CH112 Sel-1	34	41	5.100	0.843	2.900	2.333	0.194	17.143
28	CH113 Sel-1	34	40	5.633	0.872	3.100	2.867	0.245	21.000
29	CH117 Sel-1	38	44	5.800	0.829	2.800	2.033	0.208	15.000
30	CH118 Sel-1	34	40	6.833	0.858	3.333	3.667	0.270	21.000
31	CH120 Sel-1	42	49	4.933	0.983	2.900	2.367	0.151	21.000
32	CH120 Sel-2	44	51	6.100	0.839	3.033	3.533	0.252	5.000
33	CH124 Sel-1	34	40	3.967	0.736	2.133	1.833	0.152	8.000
34	CH124 Sel-2	34	40	5.767	0.649	1.567	3.067	0.144	13.000
35	CH126 Sel-1	36	45	8.667	0.981	3.933	3.533	0.285	35.833
36	CH126 Sel-2	38	44	5.967	1.050	3.167	3.333	0.225	28.000
37	CH127 Sel-1	34	42	5.933	0.833	2.533	2.567	0.238	24.000
38	CH127 Sel-2	24	30	6.800	0.819	3.967	2.300	0.201	26.500
39	CH128-A Sel-1	33	40	5.067	1.175	3.867	2.600	0.271	28.333
40	CH130 Sel-1	24	31	7.267	0.807	2.933	3.167	0.207	21.500
41	CH131 Sel-1	21	30	3.700	0.903	3.033	2.400	0.216	15.500
42	CH132 Sel-1	19	28	3.967	1.277	4.333	2.467	0.338	25.500
43	CH133 Sel-1	25	33	6.467	0.789	3.000	3.133	0.233	21.000
44	CH137 Sel-1	32	40	4.900	0.886	3.300	2.733	0.273	12.500
45	CH138-A Sel-1	35	42	5.133	1.129	4.067	2.833	0.279	26.500
46	CH145 Sel-1	28	36	5.433	1.218	4.467	2.967	0.278	25.500
47	CH145 Sel-2	28	36	6.467	1.132	4.100	2.767	0.418	40.500
48	CH146 Sel-1	38	46	7.600	0.899	2.933	2.667	0.308	29.000
49	CH147 Sel-1	36	44	6.900	0.739	2.533	3.000	0.202	19.500
50	CH147 Sel-2	38	46	4.833	1.170	4.133	3.100	0.227	32.500
51	CH148 Sel-1	34	40	6.867	1.225	4.600	3.133	0.309	35.000
52	CH153 Sel-1	33	43	7.500	0.816	2.600	3.333	0.209	23.000
53	CH161 Sel-1	24	34	7.000	1.049	4.467	2.800	0.217	41.000
54	CH165 Sel-1	33	40	6.000	0.972	3.000	2.400	0.320	30.000
55	CH165 Sel-2	33	40	3.733	1.303	4.267	2.133	0.270	20.500
56	CH165 Sel-3	33	40	4.233	1.157	3.600	2.167	0.254	28.000
57	CH166 Sel-1	24	30	6.067	1.022	3.000	2.500	0.181	25.000

58	CH166 Sel-2	24	30	5.433	1.213	3.967	2.700	0.220	41.000
59	CH167 Sel-1	24	30	6.500	0.982	3.100	2.467	0.233	29.000
60	CH167 Sel-2	24	30	4.633	1.141	4.367	3.033	0.249	24.000
61	CH168 Sel-1	32	42	6.667	1.102	3.800	2.600	0.292	33.000
62	CH171 Sel-1	38	44	5.367	1.029	3.200	2.500	0.260	26.500
63	CH184 Sel-1	40	46	8.567	0.842	3.300	3.200	0.235	22.500
64	CH184 Sel-2	41	49	6.367	0.908	3.033	2.500	0.213	16.500
65	CH185 Sel-1	42	48	4.967	0.969	3.267	2.200	0.283	15.000
66	CH186 Sel-1	38	44	8.233	0.908	2.900	2.767	0.259	35.000
67	CH189 Sel-1	39	46	6.833	1.014	3.767	2.200	0.331	45.000
68	CH191-A Sel-1	33	40	13.567	0.668	2.167	3.533	0.265	21.000
69	CH194 Sel-1	39	45	7.800	0.775	2.533	3.600	0.268	20.800
70	CH196 Sel-1	32	38	8.167	1.192	3.733	3.333	0.320	34.000
71	CH198 Sel-1	38	44	6.867	1.038	3.367	3.200	0.339	37.500
72	CH199 Sel-1	33	40	10.067	0.771	2.433	3.167	0.314	21.250
73	CH200 Sel-1	36	43	6.633	1.061	4.233	2.900	0.307	27.000
74	CH200 Sel-2	36	43	7.467	0.709	2.200	2.667	0.332	25.000
75	CH201 Sel-1	47	54	2.767	1.444	4.100	2.100	0.291	26.000
76	CH202 Sel-1	34	40	5.933	0.781	2.467	2.433	0.221	18.000
77	CH202 Sel-2	34	40	6.233	0.909	3.267	2.480	0.221	26.000
78	CH203 Sel-1	41	48	7.300	0.827	2.833	2.833	0.277	25.500
79	CH203 Sel-2	41	48	3.767	1.512	4.833	2.033	0.355	42.000
80	CH205 Sel-1	34	40	4.867	0.824	2.667	2.300	0.236	16.000
81	CH206 Sel-1	30	36	6.000	0.828	3.100	2.067	0.277	17.222
82	CH206 Sel-2	30	36	7.500	1.058	3.400	3.033	0.244	43.000
83	CH207 Sel-1	34	42	6.700	1.016	3.333	3.067	0.296	28.750
84	CH207 Sel-2	34	43	8.467	0.912	3.267	3.167	0.302	38.000
85	CH207 Sel-3	34	42	7.933	1.069	3.533	3.200	0.286	38.889
86	CH209 Sel-1	32	39	5.533	0.780	3.133	2.000	0.266	16.667
87	CH212 Sel-2	36	44	5.367	1.721	4.667	2.067	0.319	52.000
88	CH212 Sel-3	36	44	7.733	1.418	4.467	2.833	0.284	54.000
89	CH212 Sel-4	36	44	5.400	2.056	6.167	2.333	0.356	73.333
90	CH214-A Sel-1	38	45	5.100	1.060	3.133	1.733	0.318	35.000
91	CH216 Sel-1	32	38	6.167	0.939	3.567	3.200	0.267	31.000
92	CH219 Sel-1	19	26	5.767	0.909	3.267	2.533	0.243	22.727
93	CH222 Sel-1	30	36	4.800	1.244	3.967	2.400	0.344	33.333
94	CH222 Sel-2	30	36	2.900	1.053	3.367	3.167	0.431	14.000
95	CH223 Sel-1	32	40	3.033	1.299	4.933	2.833	0.182	20.000
96	CH223 Sel-2	32	40	4.900	1.241	4.133	3.067	0.221	31.667
97	CH223 Sel-3	34	42	7.100	0.989	3.533	1.867	0.325	33.000
98	CH224 Sel-1	31	37	3.200	1.793	5.367	1.667	0.332	45.000
99	CH224 Sel-2	31	38	4.467	1.093	3.667	1.933	0.230	24.000
100	CH224 Sel-3	31	38	5.633	1.392	4.467	1.767	0.324	46.000
101	CH224 Sel-4	31	37	5.133	1.217	3.900	1.867	0.259	26.000

102	CH225 Sel-1	36	42	6.567	1.087	3.300	2.100	0.238	25.500
103	CH226 Sel-1	20	28	5.633	1.335	4.467	2.133	0.245	35.000
104	CH226 Sel-2	21	28	5.767	0.854	2.867	1.933	0.224	21.000
105	CH227 Sel-1	36	42	6.100	1.005	3.333	2.000	0.237	23.889
106	CH227 Sel-2	38	44	7.033	1.117	4.133	3.133	0.290	33.000
107	CH230 Sel-1	33	41	6.567	0.828	2.867	2.500	0.246	17.273
108	CH233 Sel-1	32	39	2.767	1.086	3.200	1.967	0.187	13.333
109	CH233 Sel-2	32	39	6.867	0.992	3.233	2.667	0.255	25.455
110	CH233 Sel-3	32	40	3.067	0.974	2.700	2.267	0.212	11.818
111	CH233 Sel-4	32	40	4.567	1.255	3.733	2.867	0.249	25.417
112	CH234 Sel-1	24	31	4.200	0.956	3.333	1.633	0.261	17.000
113	CH235 Sel-1	24	33	5.367	0.972	3.633	1.900	0.303	24.000
114	CH235 Sel-2	24	30	6.800	0.752	2.600	2.367	0.220	15.455
115	CH235 Sel-3	24	33	6.033	1.096	3.800	2.033	0.269	27.500
116	CH237 Sel-1	32	40	6.640	0.851	3.033	2.700	0.227	17.727
117	CH237 Sel-2	32	40	5.867	0.996	3.300	2.000	0.240	23.750
118	CH240 Sel-1	38	46	6.033	1.264	4.200	2.600	0.226	38.500
119	CH242 Sel-1	38	44	5.400	1.257	4.400	2.100	0.354	32.000
120	CH243 Sel-1	38	46	4.767	1.127	3.600	2.600	0.264	25.000
121	CH244 Sel-1	39	47	4.733	0.993	2.633	2.800	0.198	27.000
122	CH246 Sel-1	24	30	5.967	1.001	2.500	2.000	0.235	22.000
123	CH246 Sel-2	24	31	5.167	1.197	3.433	2.000	0.263	24.000
124	CH246 Sel-3	24	30	4.600	0.955	3.000	1.967	0.245	19.000
125	CH247 Sel-1	36	42	3.167	1.280	4.400	1.800	0.306	18.000
126	CH248 Sel-1	40	46	4.067	1.327	3.600	2.000	0.308	23.000
127	CH252 Sel-1	38	46	5.667	1.010	2.067	2.200	0.242	20.000
128	CH256 Sel-1	32	38	5.367	1.135	3.867	2.667	0.288	28.000
129	CH256 Sel-2	32	38	5.700	0.803	2.567	2.900	0.246	22.000
130	CH257 Sel-1	33	40	5.300	1.003	3.300	2.600	0.282	29.500
131	CH258 Sel-1	33	40	5.333	0.863	3.167	2.367	0.307	12.500
132	CH261 Sel-1	42	49	7.333	1.022	3.167	2.900	0.301	22.500
133	CH262 Sel-1	38	44	4.600	0.978	3.400	2.100	0.232	20.000
134	CH262 Sel-2	38	40	4.600	1.390	4.400	1.533	0.366	52.000
135	CH263 Sel-1	34	42	5.833	0.885	3.000	2.300	0.270	25.000
136	CH264 Sel-1	40	47	5.433	0.988	2.933	2.167	0.265	22.000
137	CH281 Sel-1	36	42	6.000	0.854	2.800	1.667	0.253	16.000
138	CH281 Sel-2	36	42	9.133	0.681	2.433	2.667	0.246	16.000
139	CH282 Sel-1	43	49	5.633	0.890	2.667	2.967	0.253	18.500
140	CH282 Sel-2	44	51	6.500	0.870	3.367	2.400	0.245	18.500
141	CH286 Sel-1	46	55	6.533	1.299	4.200	2.900	0.328	35.000
142	CH287 Sel-1	34	40	10.000	0.895	2.633	2.600	0.323	37.500
143	CH287 Sel-2	34	40	7.333	0.873	2.867	2.267	0.299	25.000
144	CH296 Sel-1	33	41	5.267	1.090	3.933	1.467	0.314	27.000
145	CH296 Sel-2	33	41	5.800	1.035	3.900	3.000	0.287	35.000

146	CH296 Sel-3	33	41	3.233	1.259	4.300	2.167	0.288	32.000
147	CH297 Sel-1	21	30	4.167	1.386	4.367	1.900	0.321	22.000
148	CH297 Sel-2	21	30	6.967	1.930	6.167	2.167	0.422	61.667
149	CH298 Sel-1	38	48	6.033	1.603	5.233	1.600	0.405	38.333
150	CH299 Sel-1	33	41	5.833	1.681	5.233	2.467	0.427	50.000
151	CH299 Sel-2	33	41	5.033	1.652	5.367	2.633	0.417	51.667
152	CH300 Sel-1	40	46	4.200	1.535	5.300	3.267	0.309	42.000
153	CH301 Sel-1	34	42	9.867	0.891	3.200	3.267	0.297	38.000
154	CH301 Sel-2	34	42	8.200	1.123	3.767	2.100	0.383	48.000
155	CH301 Sel-3	34	42	11.333	0.849	3.067	3.100	0.294	47.000
156	CH305 Sel-1	36	42	6.833	1.095	2.833	3.300	0.289	28.000
157	CH308 Sel-1	32	40	9.767	0.996	3.600	2.500	0.301	40.000
158	CH308 Sel-2	32	40	7.033	1.081	3.300	2.367	0.318	38.000
159	CH308 Sel-3	32	40	8.267	1.171	3.767	2.300	0.428	38.000
160	CH308 Sel-4	32	40	8.967	1.218	4.533	3.500	0.212	58.333
161	CH309 Sel-1	33	44	9.667	1.277	4.200	3.000	0.314	59.000
162	CH309 Sel-2	33	43	9.233	0.974	3.233	3.167	0.296	39.000
163	CH310 Sel-1	34	44	8.233	1.075	2.700	2.333	0.282	32.000
164	CH311 Sel-1	34	44	11.600	1.217	4.200	4.300	0.432	92.000
165	CH311 Sel-2	34	44	9.200	1.291	4.267	4.833	0.275	45.000
166	CH312 Sel-1	33	44	5.633	1.003	4.033	2.500	0.278	26.000
167	CH317 Sel-1	32	48	8.233	1.203	4.133	2.867	0.429	41.000
168	CH317 Sel-2	32	38	8.267	0.830	2.967	2.100	0.389	40.000
169	CH317 Sel-3	32	38	7.633	0.717	2.933	2.300	0.289	31.000
170	CH318 Sel-1	31	38	5.167	1.009	3.000	1.900	0.237	33.000
171	CH318 Sel-2	31	39	6.400	1.193	4.567	1.667	0.377	31.000
172	CH319 Sel-1	23	39	6.767	0.916	2.900	2.233	0.233	24.000
173	CH319 Sel-2	23	33	6.533	0.948	3.300	2.367	0.246	28.000
174	CH319 Sel-3	23	33	8.000	0.881	3.167	2.100	0.314	28.000
175	CH323-B Sel-1	32	38	3.833	1.473	4.767	1.433	0.397	34.000
176	CH325 Sel-1	30	36	7.100	0.929	3.200	2.167	0.259	25.000
177	CH325 Sel-2	30	36	5.033	0.746	3.000	1.800	0.226	16.000
178	CH326 Sel-1	36	44	10.833	0.935	3.100	4.033	0.314	43.000
179	CH328 Sel-1	40	48	5.767	0.963	3.467	2.300	0.270	32.500
180	CH332 Sel-1	31	38	9.867	1.312	4.467	3.333	0.251	57.000
181	CH332 Sel-2	31	38	6.433	1.269	4.033	2.267	0.274	38.000
182	CH332 Sel-3	31	38	8.867	1.186	4.500	3.800	0.274	46.000
183	CH332 Sel-4	31	38	9.600	1.141	4.100	4.033	0.206	52.000
184	CH335 Sel-1	33	40	9.500	1.116	3.433	2.500	0.290	58.000
185	CH336 Sel-1	33	40	9.933	1.216	4.233	3.233	0.298	49.000
186	CH336 Sel-2	33	40	3.300	1.460	5.167	5.200	0.260	32.000
187	CH337 Sel-1	33	40	5.200	0.934	3.233	1.767	0.266	22.500
188	CH337 Sel-2	33	41	4.800	1.195	4.167	2.333	0.283	29.000
189	CH337 Sel-3	33	41	4.800	0.979	2.600	2.900	0.198	21.500

190	CH338 Sel-1	38	44	6.733	1.180	4.100	1.867	0.295	31.667
191	CH338 Sel-2	38	44	8.200	0.952	3.033	2.167	0.144	19.000
192	CH340-A Sel-1	32	40	7.900	0.895	3.600	3.100	0.221	29.000
193	CH343 Sel-1	33	43	4.000	1.306	3.900	2.167	0.144	19.000
194	CH344 Sel-1	20	26	8.200	1.057	3.633	4.200	0.323	47.000
195	CH345 Sel-1	33	41	8.567	0.950	3.000	3.100	0.228	29.000
196	CH347 Sel-1	32	39	5.267	0.952	3.600	2.233	0.196	21.000
197	CH349 Sel-1	32	39	9.500	1.094	4.100	3.300	0.290	51.000
198	CH354 Sel-1	39	47	9.900	0.921	2.867	3.400	0.291	31.000
199	CH355 Sel-1	39	47	7.333	0.946	2.900	2.033	0.262	30.000
200	CH359 Sel-1	41	48	8.900	0.922	3.600	3.100	0.163	26.000
201	CH360 Sel-1	20	27	11.333	1.360	4.590	2.600	0.348	80.000
202	CH360 Sel-2	20	27	7.033	1.123	4.133	2.200	0.209	27.000
203	CH367 Sel-1	33	41	6.333	0.998	3.800	3.300	0.314	30.000
204	CH369 Sel-1	28	36	6.733	1.076	3.633	3.667	0.297	38.000
205	CH370-A Sel-1	28	35	4.167	1.020	3.100	1.867	0.265	12.500
206	CH371 Sel-1	38	46	4.667	0.746	2.500	2.400	0.194	13.125
207	CH373 Sel-1	30	36	6.167	1.006	3.200	2.600	0.224	26.000
208	CH373 Sel-2	30	36	4.800	1.598	5.267	2.433	0.435	44.000
209	CH373 Sel-3	30	36	6.600	0.898	3.333	3.000	0.252	34.000
210	CH375 Sel-1	41	48	4.400	0.916	3.000	2.400	0.223	17.000
211	CH375 Sel-2	41	48	6.333	0.924	3.333	2.433	0.201	25.000
212	CH378 Sel-1	38	44	8.300	1.064	3.600	3.600	0.190	10.833
213	CH379 Sel-1	40	48	8.200	1.089	3.900	3.533	0.227	49.000
214	CH379 Sel-2	40	48	4.900	1.135	4.333	4.033	0.234	28.000
215	CH380 Sel-1	36	43	5.800	0.782	2.833	2.967	0.194	18.571
216	CH380 Sel-2	36	43	11.833	1.137	3.600	2.967	0.344	47.000
217	CH381 Sel-1	33	41	3.900	1.389	4.200	2.333	0.293	33.000
218	CH381 Sel-2	33	41	7.100	1.135	3.833	2.533	0.241	38.000
219	CH381 Sel-3	33	41	7.467	0.850	2.900	2.367	0.245	24.000
220	CH381 Sel-4	33	41	8.167	1.102	4.300	3.400	0.314	47.000
221	CH382 Sel-1	33	42	5.967	0.850	2.600	1.633	0.247	19.500
222	CH384 Sel-1	21	26	5.500	2.067	6.800	2.900	0.337	80.000
223	CH385 Sel-1	39	46	10.233	1.593	5.333	3.033	0.336	80.000
224	CH385 Sel-2	39	46	8.433	1.166	4.033	3.800	0.346	50.000
225	CH387 Sel-1	39	45	10.433	1.407	4.600	2.900	0.292	72.000
226	CH388 Sel-1	36	42	9.533	1.118	3.967	2.233	0.298	56.000
227	CH389 Sel-1	28	36	10.467	1.181	4.200	3.900	0.325	63.000
228	CH389 Sel-2	28	36	6.733	0.890	2.667	2.833	0.242	25.000
229	CH389 Sel-3	28	36	10.867	1.608	5.000	2.667	0.191	96.667
230	CH389 Sel-4	28	36	7.300	1.019	3.500	2.200	0.347	34.000
231	CH391 Sel-1	30	36	9.500	1.188	3.867	2.900	0.304	43.500
232	CH391 Sel-2	30	36	9.467	1.064	3.467	2.800	0.397	40.000
233	CH397 Sel-1	32	39	11.800	1.202	3.867	3.133	0.320	73.333

234	CH398 Sel-1	24	33	9.033	2.065	6.800	3.633	0.465	151.667
235	CH398 Sel-2	24	32	10.167	1.483	5.167	3.800	0.431	86.667
236	CH399 Sel-1	32	40	9.800	1.513	4.933	3.233	0.400	62.000
237	CH399 Sel-2	32	40	13.167	1.685	5.467	3.033	0.539	95.000
238	CH399 Sel-4	32	40	7.833	1.933	6.033	3.200	0.394	87.000
239	CH399 Sel-5	32	40	9.967	1.119	3.733	2.800	0.334	72.000
240	CH400 Sel-1	33	41	8.100	0.990	3.800	3.167	0.327	40.556
241	CH430 Sel-1	33	42	6.350	3.215	10.887	1.600	0.623	82.000
242	CH430 Sel-2	33	41	5.800	2.320	7.700	1.500	0.477	120.000
243	CH411-A Sel-1	34	71	8.900	1.208	4.133	2.333	0.401	180.000
244	CH441 Sel-1	33	40	3.767	0.933	3.600	2.567	0.211	6.250
245	CH442 Sel-1	33	40	4.833	1.101	3.833	2.267	0.228	22.500
246	CH446 Sel-1	36	44	8.700	0.876	3.233	2.667	0.124	23.500
247	CH452 Sel-1	33	40	6.767	0.995	3.567	2.933	0.178	32.000
248	CH454-A Sel-1	40	46	6.300	0.994	3.133	1.900	0.206	19.286
249	CH456-A Sel-1	32	39	6.100	0.840	2.833	3.067	0.164	22.000
250	CH456-A Sel-2	32	39	5.633	0.892	3.000	2.800	0.166	29.167
251	CH457-A Sel-1	33	41	7.300	1.031	3.900	2.233	0.244	37.143
252	CH458 Sel-1	30	38	3.767	1.018	3.700	2.500	0.155	21.000
253	CH459 Sel-1	32	39	4.267	0.921	3.233	2.867	0.162	17.500
254	CH459 Sel-2	32	39	5.067	1.174	3.900	3.333	0.180	14.286
255	CH460 Sel-1	32	39	5.267	0.879	2.833	2.833	0.162	12.222
256	CH461 Sel-1	28	35	4.733	1.216	4.633	2.867	0.254	25.000
257	CH461 Sel-2	28	35	4.900	0.772	2.733	3.367	0.148	15.556
258	CH465 Sel-1	26	34	4.833	1.319	4.767	2.800	0.200	24.286
259	CH465 Sel-2	26	34	5.000	0.852	3.233	2.433	0.156	14.375
260	CH472 Sel-1	36	43	6.300	1.114	4.267	2.833	0.246	35.000
261	CH472 Sel-2	36	43	6.900	0.936	3.267	2.033	0.237	27.000
262	CH472 Sel-3	36	43	6.533	1.125	3.900	2.600	0.165	32.500
263	CH473 Sel-1	32	39	6.333	1.308	4.333	2.833	0.238	28.125
264	CH475 Sel-1	28	35	6.200	0.929	3.300	2.900	0.192	17.857
265	CH477 Sel-1	30	36	8.033	0.897	3.333	2.233	0.225	30.000
266	CH477 Sel-2	30	36	7.967	0.940	2.767	3.300	0.192	25.000
267	CH477 Sel-3	30	36	7.000	0.852	3.167	2.800	0.154	21.667
268	CH478 Sel-1	30	36	6.033	0.914	3.200	2.400	0.191	23.750
269	CH478 Sel-2	30	36	7.700	0.807	3.333	2.600	0.179	23.333
270	CH479 Sel-1	24	31	5.500	0.908	3.033	2.133	0.179	12.857
271	CH479 Sel-2	24	31	5.767	0.929	2.933	2.500	0.194	18.000
272	CH479 Sel-3	24	31	1.900	1.100	3.567	2.200	0.136	10.000
273	CH479 Sel-4	24	31	4.500	0.880	3.000	2.233	0.159	18.333
274	CH480 Sel-1	26	33	6.667	1.015	3.667	2.767	0.238	41.000
275	CH480 Sel-2	26	33	5.700	1.091	3.767	3.133	0.242	28.333
276	CH480 Sel-3	26	33	3.867	0.975	2.667	2.300	0.216	17.143
277	CH481-A Sel-1	28	34	6.433	0.725	2.367	2.167	0.182	17.143

278	CH482 Sel-1	28	35	5.100	1.145	3.633	2.700	0.218	25.000
279	CH482 Sel-2	28	35	4.867	0.814	2.667	2.133	0.181	21.250
280	CH483 Sel-1	31	38	5.700	0.740	2.500	2.400	0.197	16.111
281	CH484 Sel-1	28	34	5.667	0.716	2.467	3.100	0.199	19.286
282	CH484 Sel-2	28	34	2.233	1.326	4.367	2.933	0.255	26.500
283	CH484 Sel-3	28	34	3.733	1.479	4.667	2.767	0.264	35.714
284	CH484 Sel-4	28	34	3.600	1.386	4.300	2.300	0.258	23.333
285	CH485 Sel-1	28	34	7.500	1.825	5.900	2.600	0.399	81.000
286	CH490 Sel-1	41	48	2.167	1.657	5.533	2.000	0.280	38.333
287	CH490 Sel-2	41	48	4.133	1.081	3.633	2.100	0.207	19.375
288	CH491 Sel-1	30	36	7.733	1.331	4.633	3.200	0.296	62.000
289	CH491 Sel-2	30	36	7.700	0.702	2.633	3.267	0.186	24.286
290	CH491 Sel-3	30	36	8.233	0.910	3.300	3.100	0.185	27.857
291	CH491 Sel-4	30	36	7.300	0.875	2.400	3.333	0.176	22.000
292	CH493 Sel-1	30	36	4.300	1.765	6.233	2.833	0.314	65.000
293	CH493 Sel-2	30	36	8.267	1.029	3.800	2.633	0.253	36.000
294	CH493 Sel-3	30	36	4.750	1.980	6.033	2.700	0.263	77.500
295	CH494 Sel-1	24	30	6.400	1.131	3.700	2.900	0.196	28.750
296	CH494 Sel-2	24	30	7.567	1.169	4.133	3.233	0.254	44.000
297	CH494 Sel-3	24	31	8.100	0.968	3.133	2.667	0.236	32.500
298	CH494 Sel-4	24	31	5.133	0.852	3.267	2.433	0.206	23.571
299	CH495 Sel-1	30	36	5.900	0.853	3.100	2.400	0.268	31.667
300	CH495 Sel-2	30	36	7.133	0.863	3.067	2.133	0.286	31.667
301	CH495 Sel-3	30	36	5.133	0.621	2.500	2.333	0.134	12.000
302	CH495 Sel-4	30	36	4.733	1.084	4.333	2.167	0.272	20.000
303	CH500 Sel-1	32	38	2.300	1.635	5.400	2.133	0.279	26.875
304	CH501 Sel-1	36	42	5.500	1.029	3.600	2.233	0.276	28.333
305	CH501 Sel-2	36	42	5.067	0.753	3.400	2.033	0.202	17.000
306	CH501 Sel-3	36	42	5.700	1.036	3.600	2.200	0.171	25.000
307	CH503 Sel-1	32	38	6.333	1.089	4.133	1.833	0.253	30.000
308	CH506 Sel-1	42	48	6.100	1.104	4.200	1.967	0.172	32.000
309	CH507 Sel-1	41	48	5.467	1.012	2.500	2.600	0.278	30.000
310	CH509 Sel-1	28	35	5.733	1.210	4.267	2.367	0.268	36.000
311	CH509 Sel-2	28	35	5.233	1.196	3.533	2.267	0.204	25.000
312	CH510 Sel-1	30	36	4.033	1.209	4.233	2.100	0.216	25.714
313	CH513 Sel-1	33	40	5.933	0.949	3.833	2.400	0.208	29.286
314	CH513 Sel-2	33	40	7.600	1.091	3.500	2.233	0.196	34.167
315	CH535 Sel-1	30	36	7.033	0.814	3.000	2.100	0.144	20.000
316	CH537 Sel-1	36	42	4.600	1.146	3.533	2.300	0.217	21.667
317	CH540 Sel-1	30	36	4.500	1.381	4.800	2.200	0.232	38.000
318	CH540 Sel-2	30	36	7.867	1.166	4.033	2.900	0.193	42.500
319	CH540 Sel-3	30	36	5.900	1.092	4.167	1.933	0.216	40.000
320	CH540 Sel-4	30	36	4.400	1.702	5.433	1.600	0.266	44.167
321	CH540 Sel-5	30	36	6.900	0.939	3.600	2.233	0.209	41.000

322	CH541 Sel-1	32	38	4.000	1.283	4.367	2.033	0.231	28.000
323	CH541 Sel-2	32	38	8.633	0.925	3.067	2.900	0.208	32.000
324	CH543 Sel-1	36	42	6.000	0.765	2.533	1.900	0.203	19.000
325	CH545 Sel-1	32	38	6.533	0.919	3.267	2.000	0.148	24.000
326	CH546 Sel-1	32	38	5.800	0.840	2.700	2.200	0.189	29.000
327	CH546 Sel-2	32	38	6.200	0.916	3.200	1.533	0.199	32.000
328	CH546 Sel-3	32	38	5.233	0.946	3.333	1.900	0.215	24.167
329	CH548 Sel-1	33	40	3.867	1.445	4.733	1.500	0.183	26.667
330	CH554 Sel-4	24	38	7.300	1.155	2.900	2.300	0.196	25.714
331	CH549 Sel-1	32	39	5.233	0.784	2.833	2.000	0.190	16.667
332	CH554 Sel-1	24	38	6.967	1.130	3.667	2.003	0.155	36.667
333	CH554 Sel-2	24	38	6.200	0.845	3.633	2.000	0.203	30.833
334	CH554 Sel-3	24	38	7.900	0.827	3.233	3.200	0.189	24.000
335	CH566 Sel-1	36	42	4.733	1.084	3.633	2.133	0.158	29.000
336	CH566 Sel-2	36	42	4.233	1.016	3.133	1.867	0.147	17.333
337	CH566 Sel-3	36	42	5.600	0.825	2.867	2.100	0.224	16.500
338	CH567 Sel-1	33	41	6.000	1.049	4.033	1.567	0.208	35.000
339	CH568 Sel-1	32	39	4.233	1.292	4.100	2.400	0.295	32.000
340	CH568 Sel-2	32	40	6.333	0.847	3.167	1.967	0.200	25.000
341	CH569 Sel-1	34	40	8.467	1.170	4.367	2.333	0.203	42.000
342	CH570 Sel-1	30	36	7.000	1.125	3.867	2.233	0.215	56.667
343	CH570 Sel-2	30	36	7.300	0.877	3.300	2.000	0.200	25.000
344	CH576-A Sel-1	34	41	3.900	0.976	2.900	2.300	0.139	17.500
345	CH578-A Sel-1	34	40	4.467	1.377	4.900	2.400	0.261	36.000
346	CH582 Sel-1	35	41	4.600	1.106	3.433	1.233	0.172	25.000
347	CH586 Sel-1	34	40	5.033	0.960	3.033	2.467	0.150	17.000
348	CH588-A Sel-1	32	39	7.200	0.876	3.167	1.900	0.168	24.000
349	CH590-A Sel-1	35	40	7.000	1.136	3.300	2.900	0.277	30.000
350	CH590-A Sel-2	35	40	6.267	0.924	3.200	2.233	0.205	19.167
351	CH591 Sel-1	32	32	7.800	0.740	3.100	1.900	0.185	28.333
352	CH592-A Sel-1	33	40	6.567	1.039	3.300	2.000	0.198	37.000
353	CH593-A Sel-1	33	40	5.133	1.149	3.300	2.300	0.261	24.000
354	CH598 Sel-1	34	40	6.333	1.107	4.100	2.000	0.211	33.333
355	CH600 Sel-1	35	40	4.233	0.741	2.900	1.400	0.151	31.667
356	CH608 Sel-1	33	40	6.000	0.900	2.633	1.800	0.134	12.500
357	CH638 Sel-1	34	40	4.400	1.067	3.867	3.133	0.206	19.000
358	CH639 Sel-1	30	36	4.000	0.876	2.300	1.167	0.144	10.000
359	CH640 Sel-1	21	28	3.500	1.104	3.400	2.100	0.208	16.667
360	CH646 Sel-1	36	43	5.033	1.005	3.500	2.300	0.214	21.667
361	CH647 Sel-1	31	38	7.300	1.178	4.900	3.000	0.273	40.000
362	CH647 Sel-2	34	41	8.833	0.901	3.133	2.233	0.222	29.000
363	CH648 Sel-1	42	48	5.933	0.867	2.600	2.500	0.207	18.333
364	CH650 Sel-1	43	49	7.267	1.390	4.900	2.500	0.302	45.000
365	CH650 Sel-2	43	49	8.333	0.937	3.200	2.800	0.198	30.833

366	CH652 Sel-1	38	44	6.433	0.881	2.900	1.700	0.190	21.000
367	CH653 Sel-1	36	42	7.000	1.144	3.400	2.433	0.238	29.000
368	CH653 Sel-2	36	42	7.867	1.228	4.033	2.900	0.257	44.000
369	CH653 Sel-3	36	42	5.000	0.943	3.233	2.033	0.203	21.667
370	CH654 Sel-1	30	36	6.000	1.508	5.367	2.900	0.332	63.333
371	CH654 Sel-2	30	36	8.733	1.236	4.000	2.233	0.328	64.000
372	CH654 Sel-3	30	36	8.800	0.903	3.167	2.233	0.309	26.000
373	CH655 Sel-1	30	36	5.100	0.816	3.100	4.400	0.202	22.000
374	CH655 Sel-2	30	36	4.267	0.988	3.333	1.800	0.279	21.667
375	CH656 Sel-1	26	33	5.800	1.094	4.033	2.567	0.219	30.000
376	CH656 Sel-2	26	33	7.000	1.151	4.367	2.500	0.311	38.000
377	CH656 Sel-3	26	33	4.200	0.992	3.400	1.367	0.155	16.667
378	CH660 Sel-1	42	48	8.233	1.222	4.300	2.267	0.326	46.000
379	CH666 Sel-1	36	42	7.867	0.952	3.200	2.633	0.247	27.000
380	CH669 Sel-1	42	48	6.033	1.221	4.033	2.233	0.216	36.000
381	CH671 Sel-1	49	55	6.767	0.949	3.433	2.233	0.233	32.500
382	CH672 Sel-1	34	40	8.900	1.075	3.333	2.267	0.188	34.000
383	CH674 Sel-1	34	40	5.167	1.020	2.733	1.967	0.197	20.833
384	CH674 Sel-2	34	40	5.167	0.768	2.667	1.900	0.179	16.667
385	CH677 Sel-1	33	40	5.467	0.917	3.300	2.533	0.224	26.667
386	CH678 Sel-1	37	43	6.867	0.834	2.767	2.233	0.190	18.750
387	CH679 Sel-1	42	48	5.900	0.782	2.300	2.100	0.254	8.333
388	CH680 Sel-1	31	38	8.233	0.853	2.233	2.533	0.225	21.000
389	CH681 Sel-1	39	45	4.700	0.702	2.433	2.033	0.177	20.000
390	CH681 Sel-2	39	45	6.400	1.184	3.633	2.200	0.304	17.500
391	CH683 Sel-1	40	46	5.300	1.190	4.100	1.900	0.241	29.000
392	CH683 Sel-2	40	46	5.200	1.147	3.500	2.500	0.215	28.000
393	CH684 Sel-1	40	46	7.867	1.117	3.500	2.300	0.232	73.333
394	CH684 Sel-2	40	46	5.767	0.934	2.567	2.300	0.213	17.500
395	CH684 Sel-3	40	46	5.533	0.846	3.500	3.067	0.216	27.500
396	CH688 Sel-1	34	40	3.767	0.693	2.500	1.300	0.155	6.000
397	CH691 Sel-1	33	40	3.900	0.713	2.200	1.500	0.160	2.500
398	CH691 Sel-2	33	40	6.467	1.651	5.833	3.100	0.327	73.333
399	CH691 Sel-3	33	40	7.033	1.750	5.333	2.667	0.250	33.000
400	CH700 Sel-1	33	40	5.167	0.837	3.133	2.233	0.235	10.000
401	CH702 Sel-1	36	42	6.367	0.750	4.033	2.900	0.280	36.000
402	CH705 Sel-1	39	45	5.200	0.849	2.500	2.567	0.200	9.167
403	CH706 Sel-1	36	42	6.633	0.914	2.800	2.433	0.273	23.333
404	CH713 Sel-1	34	40	6.267	0.815	3.200	2.833	0.176	19.167
405	CH723 Sel-1	29	35	7.600	1.146	4.067	3.200	0.237	35.833
406	CH723 Sel-2	29	35	5.600	1.023	3.833	2.467	0.182	14.000
407	CH723 Sel-3	29	35	6.900	1.113	3.667	3.567	0.222	63.333
408	CH723 Sel-4	29	35	3.700	1.222	3.933	1.767	0.175	18.333
409	CH731 Sel-1	36	42	9.667	0.783	3.233	3.333	0.202	42.000

410	CH731 Sel-2	36	42	7.100	0.889	3.267	3.833	0.165	22.143
411	CH735 Sel-1	42	49	6.933	0.749	3.200	3.000	0.172	21.429
412	CH738 Sel-1	42	48	9.000	1.021	3.067	2.467	0.226	32.500
413	CH741 Sel-1	32	38	7.200	0.916	3.200	2.833	0.201	19.444
414	CH751 Sel-1	49	55	7.733	0.938	3.567	2.933	0.204	26.429
415	CH764 Sel-1	31	38	3.333	1.588	4.633	2.533	0.205	34.000
416	CH766 Sel-1	34	41	5.700	0.921	3.400	2.333	0.157	40.000
417	CH767 Sel-1	31	37	6.867	1.052	3.633	2.333	0.181	20.714
418	CH771 Sel-1	34	40	5.267	1.042	3.267	2.300	0.183	35.000
419	CH776 Sel-1	34	40	7.600	0.665	2.267	2.967	0.208	22.857
420	CH777-A Sel-1	34	39	4.767	1.275	3.933	2.233	0.170	19.286
421	CH782 Sel-1	24	38	7.667	1.021	3.567	2.933	0.187	33.333
422	CH782 Sel-2	24	38	8.500	0.974	3.600	3.167	0.209	71.667
423	CH785 Sel-1	30	36	6.367	0.851	3.633	2.667	0.224	33.000
424	CH787 Sel-1	32	38	7.033	1.031	3.433	3.300	0.215	36.000
425	CH787 Sel-2	32	38	6.067	0.771	2.900	2.900	0.177	42.000
426	CH789 Sel-1	34	40	5.767	1.077	4.167	2.167	0.201	21.875
427	CH790 Sel-1	34	40	5.967	1.110	3.967	3.100	0.166	42.000
428	CH792 Sel-1	31	37	4.367	1.230	4.600	2.300	0.162	12.500
429	CH793 Sel-1	32	38	5.733	0.772	2.933	3.900	0.114	48.333
430	CH793 Sel-2	32	38	5.100	0.803	3.967	2.567	0.147	16.429
431	CH803 Sel-1	43	49	3.333	0.633	2.467	2.600	0.137	4.167
432	CH807 Sel-1	35	41	5.133	1.192	3.833	2.000	0.255	32.500
433	CH808 Sel-1	34	40	5.400	0.784	2.633	1.833	0.219	14.286
434	CH809 Sel-1	44	51	4.400	0.974	3.600	1.633	0.259	18.333
435	CH810 Sel-1	38	44	5.867	1.064	3.767	2.033	0.263	25.000
436	CH814 Sel-1	38	44	4.167	1.041	3.533	2.167	0.234	20.714
437	CH815 Sel-1	38	44	8.767	0.837	3.067	3.100	0.210	25.000
438	CH823-B Sel-1	37	43	4.467	1.292	4.567	1.867	0.230	32.000
439	CH828 Sel-1	46	51	9.733	1.028	3.433	2.533	0.246	31.667
440	CH838 Sel-1	35	41	7.200	1.233	4.633	2.133	0.288	48.000
441	CH839 Sel-1	42	48	9.700	1.210	3.933	2.400	0.250	51.000
442	CH854 Sel-1	19	27	5.933	1.036	3.700	2.033	0.228	25.000
443	CH854 Sel-2	19	27	6.800	0.895	3.100	2.633	0.235	25.833
444	CH854 Sel-3	19	27	4.433	0.839	2.500	1.633	0.230	13.889
445	CH855 Sel-1	48	48	8.933	0.736	2.533	3.367	0.243	26.667
446	CH855 Sel-2	48	48	7.833	0.808	2.467	2.367	0.183	23.333
447	CH855 Sel-3	48	48	8.967	0.896	3.300	2.500	0.216	20.000
448	CH856 Sel-1	30	36	7.533	0.782	2.633	3.067	0.245	16.667
449	CH856 Sel-2	30	36	6.800	0.944	3.333	2.500	0.224	31.667
450	CH857 Sel-1	33	39	7.033	0.765	2.400	2.533	0.217	18.000
451	CH857 Sel-2	33	39	7.933	0.961	3.200	2.200	0.248	32.000
452	CH857 Sel-3	33	39	8.567	0.783	2.433	2.500	0.236	22.500
453	CH857 Sel-4	33	39	7.067	0.754	2.667	1.967	0.214	22.500

454	CH859 Sel-1	34	39	10.833	1.164	4.133	2.567	0.343	34.000
455	CH859 Sel-2	34	39	6.767	0.861	2.633	2.433	0.178	20.500
456	CH859 Sel-3	34	39	6.933	1.148	3.933	3.200	0.225	31.000
457	CH859 Sel-4	34	39	7.567	0.844	3.067	1.400	0.235	19.375
458	CH862 Sel-1	36	42	7.067	0.989	3.433	2.333	0.215	27.857
459	CH862 Sel-2	36	42	6.367	0.866	3.500	2.700	0.218	24.167
460	CH863 Sel-1	42	48	6.567	0.759	3.133	2.233	0.170	19.375
461	CH863 Sel-2	42	48	4.900	0.843	2.567	1.833	0.169	18.125
462	CH864 Sel-1	35	41	7.367	0.667	2.367	1.600	0.170	14.375
463	CH865 Sel-1	36	42	6.867	0.927	3.333	2.333	0.218	19.000
464	CH866 Sel-1	34	39	6.300	0.785	3.467	2.500	0.230	18.000
465	CH866 Sel-2	34	39	6.000	1.013	3.600	2.133	0.228	17.500
466	CH869 Sel-1	36	42	13.700	2.905	8.467	4.200	0.434	270.000
467	CH870 Sel-1	34	40	3.733	0.695	3.333	2.167	0.170	16.000
468	CH870 Sel-2	34	40	9.467	1.210	4.200	2.300	0.317	53.000
469	CH880 Sel-1	56	71	6.350	1.369	4.233	2.400	0.247	32.500
470	CH883 Sel-1	42	48	7.733	1.124	3.567	2.400	0.269	35.000
C1	Pusa Jwala	35.3	44.4	6.10	0.65	2.35	2.51	0.26	18.49
C2	Kashi Anmol	38	46.5	5.88	0.92	3.37	2.36	0.25	20.72
C3	LCA620	41.7	49.4	8.08	0.97	3.45	3.44	0.28	22.43

N: number, DFF: days to 50% flowering, DTFF: days to first fruiting, FL: fruit length, FD: fruit diameter, FG: fruit girth, PDL: pedicel length, PDD: pedicel diameter, FW: fruit weight and C1-3: check varieties 1-3.



Supplementary Figure S1. Variability in morphological traits among *Capsicum annuum* germplasm selections (1 cm = 1 centimeter scale bar).