

Table 4 Description of pedigree/collection number and collecting/breeding organization of 160 lentil accessions used over two years (2011-12 and 2012-13) in the present study

S.No	Accession	Pedigree/Collection Number	Collecting/ Breeding organization
1	IG 2500	PANT-L 538	GBPUAT, Pantnagar
2	IG 2506	PANT-L 643	GBPUAT, Pantnagar
3	IG 2507	LL 3	PAU, Ludhiana, Punjab
4	IG 2508	LL 5	PAU, Ludhiana, Punjab
5	IG 2510	LL 25	PAU, Ludhiana, Punjab
6	IG 2519	PUSA 9	IARI New Delhi
7	IG 2525	T 31	IARI-RS, Kanpur
8	IG 2542	L 543	unknown
9	IG 2543	L 546	unknown
10	IG 2576	L 771	unknown
11	IG 2580	L 1278	unknown
12	IG 2588	LWS 1	JNKVV, Jabalpur, UP
13	IG 2589	LWS 2	JNKVV, Jabalpur, UP
14	IG 2593	LWS 6	JNKVV, Jabalpur, UP
15	IG 2796	P 287	USDA,-RPIP, New Delhi
16	IG 2797	P 290	USDA,-RPIP, New Delhi
17	IG 2802	P 300	USDA,-RPIP, New Delhi
18	IG 2817	P 326	USDA,-RPIP, New Delhi
19	IG 2820	P 332	USDA,-RPIP, New Delhi
20	IG 2821	P 333	USDA,-RPIP, New Delhi
21	IG 2849	P 368	USDA,-RPIP, New Delhi
22	IG 2878	P 405	USDA,-RPIP, New Delhi
23	IG 2879	P 406	USDA,-RPIP, New Delhi
24	IG 2887	P 422	USDA,-RPIP, New Delhi
25	IG 3253	P 912	USDA,-RPIP, New Delhi
26	DPL-58	PL 639 × PRECOZ	IIPR, Kanpur
27	IG 3286	P 949	USDA,-RPIP, New Delhi
28	IG 3290	P 956	USDA,-RPIP, New Delhi
29	IG 3297	P 988	USDA,-RPIP, New Delhi
30	IG 3312	P 1020	USDA,-RPIP, New Delhi
31	IG 3326	P 1046	USDA,-RPIP, New Delhi
32	IG 3327	P 1047	USDA,-RPIP, New Delhi
33	IG 3330	P 1050	USDA,-RPIP, New Delhi
34	IG 3370	P LWS 16	JNKVV, Jabalpur,
35	IG 3365	PI 42	USDA,-RPIP, New Delhi
36	IG 3520	LG 74	PAU, Ludhiana, Punjab
37	IG 3527	LG 112	PAU, Ludhiana, Punjab
38	IG 3529	LG 116	PAU, Ludhiana, Punjab
39	IG 3537	LG 141	PAU, Ludhiana, Punjab
40	IG 3546	LG 150	PAU, Ludhiana, Punjab
41	IG 3558	LG 162	PAU, Ludhiana, Punjab

42	IG 3567	LL 1	PAU, Ludhiana, Punjab
43	IG 3568	LL 3	PAU, Ludhiana, Punjab
44	IG 3575	LL 23	PAU, Ludhiana, Punjab
45	IG 3587	LL 30	PAU, Ludhiana, Punjab
46	IG 3640	NP 22	IARI, New Delhi
47	IG 3641	NP 47	IARI, New Delhi
48	IG 3643	NP 52	IARI, New Delhi
49	IG 3676	P 27	USDA,-RPIP, New Delhi
50	IG 3745	P 175	USDA,-RPIP, New Delhi
51	IG 3770	P 206	USDA,-RPIP, New Delhi
52	IG 3789	P 227	USDA,-RPIP, New Delhi
53	IG 3803	P 241	USDA,-RPIP, New Delhi
54	IG 3955	P 437	USDA,-RPIP, New Delhi
55	IG 3984	P 480	USDA,-RPIP, New Delhi
56	IG 4001	P 505	USDA,-RPIP, New Delhi
57	IG 4014	P 524	USDA,-RPIP, New Delhi
58	IG 4068	P 629	USDA,-RPIP, New Delhi
59	IG 4072	P 633	USDA,-RPIP, New Delhi
60	IG 4079	P 640	USDA,-RPIP, New Delhi
61	IG 4112	P 701	USDA,-RPIP, New Delhi
62	IG 4113	P 702	USDA,-RPIP, New Delhi
63	IG 4147	P 773	USDA,-RPIP, New Delhi
64	IG 4202	P 886	USDA,-RPIP, New Delhi
65	IG 4203	P 887	USDA,-RPIP, New Delhi
66	IG 4206	P 891	USDA,-RPIP, New Delhi
67	IG 4208	P 894	USDA,-RPIP, New Delhi
68	IG 4219	P 916	USDA,-RPIP, New Delhi
69	IG 4221	P 924	USDA,-RPIP, New Delhi
70	IG 4242	P 957	USDA,-RPIP, New Delhi
71	IG 4243	P 959	USDA,-RPIP, New Delhi
72	IG 4246	P 967	USDA,-RPIP, New Delhi
73	IG 4247	P 971	USDA,-RPIP, New Delhi
74	IG 4258	P 985	USDA,-RPIP, New Delhi
75	IG 4278	P 1036	USDA,-RPIP, New Delhi
76	IG 4284	P 1047	USDA,-RPIP, New Delhi
77	IG 4318	P 1132	USDA,-RPIP, New Delhi
78	IG5146	LC 33	POSRS, Berhampore, WB
79	ILL 10965	ILL 8090 X ILL 7980	ICARDA
80	ILL 10969	ILL 7723 X ILL 8090	ICARDA
81	ILL 10712	ILL6783 X ILL 98	ICARDA
82	ILL 10711	ILL 7012 X ILL 4404	ICARDA
83	L-9-12	Selection from local variety	
84	T-36	Local selection from Badaun, UP	CSAUAT, Kanpur
85	PL-406	Selection of P45	GBPUAT, Pantnagar

86	JL-1	Local selection from Madhya Pradesh	JNKVP, Jabalpur
87	IPL-307	L 4076 × DPL 44	IIPR, Kanpur
88	IPL 98/193	(Sehore 74-3 × DPL44) × DPL35	IIPR, Kanpur
89	SEHORE 74-3	Local selection from Sehore	JNKVP, Jabalpur
90	ILL-6002	ILL 4349 × ILL 4605	ICADA, Syria
91	PRECOZ	Argentina cultivar	ICARDA
92	L-4603	Precoz × L 3991	IARI, New Delhi
93	DPL-15	PL406 × L 4076	IIPR, Kanpur
94	DPL-62	JLS 1 x LG 171	IIPR, Kanpur
95	IPL-81	K 75 × PL 639	IIPR, Kanpur
96	IPL-406	DPL 35 x EC 157634/382	IIPR, Kanpur
97	IPL-315	PL 4 × DPL 62	IIPR, Kanpur
98	IG 2639	P 41	USDA,-RPIP, New Delhi
99	IG 2649	P 55	USDA,-RPIP, New Delhi
100	IG 2794	P 285	USDA,-RPIP, New Delhi
101	IG 2836	P 353	USDA,-RPIP, New Delhi
102	IG 3072	P 720	USDA,-RPIP, New Delhi
103	IG 3563	LG 167	PAU, Ludhiana, Punjab
104	IG 3589	LL 31	PAU, Ludhiana, Punjab
105	IG 3662	P 10	USDA,-RPIP, New Delhi
106	IG 3667	P 15	USDA,-RPIP, New Delhi
107	IG 3673	P 23	USDA,-RPIP, New Delhi
108	IG 3750	P 183	USDA,-RPIP, New Delhi
109	IG 3794	P 232	USDA,-RPIP, New Delhi
110	IG 3801	P 239	USDA,-RPIP, New Delhi
111	IG 3802	P 240	USDA,-RPIP, New Delhi
112	IG 3905	P 366	USDA,-RPIP, New Delhi
113	IG 3964	P 450	USDA,-RPIP, New Delhi
114	IG 3973	P 467	USDA,-RPIP, New Delhi
115	IG 3982	P 477	USDA,-RPIP, New Delhi
116	IG 4000	P 504	USDA,-RPIP, New Delhi
117	IG 4013	P 523	USDA,-RPIP, New Delhi
118	IG 4059	P 613	USDA,-RPIP, New Delhi
119	IG 4060	P 617	USDA,-RPIP, New Delhi
120	IG 4071	P 632	USDA,-RPIP, New Delhi
121	IG 4073	P 634	USDA,-RPIP, New Delhi
122	IG 4074	P 635	USDA,-RPIP, New Delhi
123	IG 4076	P 637	USDA,-RPIP, New Delhi
124	IG 4078	P 639	USDA,-RPIP, New Delhi
125	IG 4098	P 667	USDA,-RPIP, New Delhi
126	IG 4149	P 779	USDA,-RPIP, New Delhi
127	IG 4195	P 873	USDA,-RPIP, New Delhi
128	IG 4197	P 876	USDA,-RPIP, New Delhi

129	IG 4216	P 910	USDA,-RPIP, New Delhi
130	IG 4228	P 934	USDA,-RPIP, New Delhi
131	IG 4244	P 961	USDA,-RPIP, New Delhi
132	IG 4253	P 978	USDA,-RPIP, New Delhi
133	IG 4281	P 1044	USDA,-RPIP, New Delhi
134	IG 4286	P 1057	USDA,-RPIP, New Delhi
135	IG 4303	P 1095	USDA,-RPIP, New Delhi
136	IG 4312	P 1109	USDA,-RPIP, New Delhi
137	IG3371	P LWS 19	JNKVV, Jabalpur,
138	ILL 10824	ILL 7620 × ILL 91517	ICARDA, Syria
139	ILL 10835	ILL 7723 × IL× 87062	ICARDA, Syria
140	ILL 10972	ILL 8199 × ILL 7979	ICARDA, Syria
141	ILL 10963	ILL 8090 × ILL 7980	ICARDA, Syria
142	ILL 10970	ILL 7537 × ILL 590	ICARDA, Syria
143	ILL 10833	ILL 358 × IL× 87062	ICARDA, Syria
144	IC 15110	UNKNOWN	NBPGR, NEW DELHI
145	IC 15112	UNKNOWN	NBPGR, NEW DELHI
146	IC 15113	UNKNOWN	NBPGR, NEW DELHI
147	ILL 832	ILL 4402 × ILL 2501	ICARDA, Syria
148	ILL 10831	ILL 2501 × ILL 7537	ICARDA, Syria
149	ILL 10707	ILL 8090 × ILL 7685	ICARDA, Syria
150	ILL 10829	ILL7620 × ILL 91517	ICARDA, Syria
151	ILL 10968	ILL 8090 × ILL 7980	ICARDA, Syria
152	ILL 10708	ILL 7617 × ILL 4404	ICARDA, Syria
153	ILL 10713	ILL 8077 × ILL 6994	ICARDA, Syria
154	ILL 10725	ILL 7713 × ILL 7201	ICARDA, Syria
155	ILL 10825	ILL 7620 × ILL 91517	ICARDA, Syria
156	ILL 10827	ILL 7620 × ILL 91517	ICARDA, Syria
157	ILL 10826	ILL 7620 × ILL 91517	ICARDA, Syria
158	ILL 10973	ILL 6024 × ILL 6829	ICARDA, Syria
159	ILL-7663	Cross between two locals	ICARDA, Syria
160	EC-542161	Unknown	NBPGR, New Delhi
