

Table S1. Details of cowpea germplasm accessions used in the present study. Germplasm were obtained from the National Gene Bank, ICAR-National Bureau of Plant Genetic Resources, New Delhi India.

S.N.	Accession	Source	Type of Germplasm
1	IC198323	Delhi	Elite Line
2	IC198327	Delhi	Elite Line
3	IC201077	Unknown	Unknown
4	IC201098	Andhra Pradesh	Landrace
5	IC202718	Andhra Pradesh	Primitive Cultivar
6	IC202777	Goa	Landrace
7	IC202790	Goa	Landrace
8	IC202886	Odisha	Landrace
9	IC002931	Telangana	Landrace
10	IC20584	Madhya Pradesh	Landrace
11	IC219529	Unknown	Unknown
12	IC219544	Unknown	Unknown
13	IC243313	Bihar	Registered germplasm
14	IC249137	Andhra Pradesh	Landrace
15	IC249586	Andhra Pradesh	Landrace
16	IC249588	Andhra Pradesh	Landrace
17	IC253277	Delhi	Landrace
18	IC253279	Unknown	Unknown
19	IC2946	Haryana	Landrace
20	IC322273	Punjab	Unknown
21	IC326042	Maharashtra	Landrace
22	IC326718	Madhya Pradesh	Landrace
23	IC326793	Madhya Pradesh	Landrace
24	IC330950	Gujarat	Landrace
25	IC330968	Gujarat	Landrace
26	IC331212	Gujarat	Landrace
27	IC332240	Madhya Pradesh	Landrace
28	IC347189	Jharkhand	Elite Line
29	IC371749	Uttar Pradesh	Landrace
30	IC385869	Jharkhand	Landrace
31	IC394237	Assam	Landrace
32	IC396667	Gujarat	Landrace
33	IC396744	Madhya Pradesh	Landrace
34	IC397349	Madhya Pradesh	Landrace
35	IC397455	Madhya Pradesh	Landrace
36	IC397618	Madhya Pradesh	Landrace
37	IC397847	Himachal Pradesh	Elite Line
38	IC397907	Himachal Pradesh	Landrace

S.N.	Accession	Source	Biological Status
39	IC397942	Himachal Pradesh	Landrace
40	IC398065	Himachal Pradesh	Landrace
41	IC398083	Himachal Pradesh	Elite Line
42	IC398142	Himachal Pradesh	Landrace
43	IC398828	Bihar	Landrace
44	IC402162	Delhi	Elite Line
45	IC421893	Himachal Pradesh	Elite Line
46	IC433448	Kerala	Elite Line
47	IC433465	Kerala	Elite Line
48	IC433467	Kerala	Elite Line
49	IC433510	Kerala	Elite Line
50	IC58905	Bihar	Landrace
51	EC240747	Nigeria	Unknown
52	EC332352	Nigeria	Unknown
53	EC367713	United States of America	Unknown
54	EC390216	United States of America	Landrace
55	EC390223	United States of America	Unknown
56	EC390225	United States of America	Landrace
57	EC390244	United States of America	Landrace
58	EC390254	United States of America	Landrace
59	EC390257	United States of America	Unknown
60	EC390261	United States of America	Unknown
61	EC390293	United States of America	Landrace
62	EC394779	Nigeria	Unknown
63	EC4506	United States of America	Unknown
64	EC472257	Nigeria	Unknown
65	EC472273	Nigeria	Landrace
66	EC472276	Nigeria	Unknown
67	EC472293	Nigeria	Landrace
68	EC496737	United States of America	Elite Line
69	EC501045	United States of America	Unknown
70	EC514422	United States of America	Elite Line
71	EC528381	Nigeria	Unknown
72	EC528382	Nigeria	Landrace
73	EC528383	Nigeria	Unknown
74	EC528386	Nigeria	Unknown
75	EC528387	Nigeria	Landrace
76	EC528388	Nigeria	Unknown
77	EC528392	Nigeria	Unknown
78	EC528393	Nigeria	Unknown

S.N.	Accession	Source	Biological Status
79	EC528397	Nigeria	Landrace
80	EC528402	Nigeria	Landrace
81	EC528404	Nigeria	Landrace
82	EC528405	Nigeria	Unknown
83	EC528406	Nigeria	Landrace
84	EC528407	Nigeria	Landrace
85	EC528408	Nigeria	Unknown
86	EC528410	Nigeria	Unknown
87	EC528415	Nigeria	Landrace
88	EC528423	Nigeria	Unknown
89	EC528425	Nigeria	Unknown
90	EC528429	Nigeria	Unknown
91	EC528457	United States of America	Elite Line
92	EC528687	Nigeria	Unknown
93	EC528689	Nigeria	Unknown
94	EC528691	Nigeria	Unknown
95	EC528695	Nigeria	Landrace
96	EC528700	Nigeria	Unknown
97	EC717129	Nigeria	Landrace
98	EC717131	Nigeria	Landrace
99	EC717139	Nigeria	Landrace
100	EC98442	Nigeria	Landrace