

Supplementary Paper

Unveiling the genetic variability and principal component analysis for yield and yield attributing traits in brinjal

Singh T.H.^{1*}, Pandey S.², Chitra D. Pandey² and Shailesh K. Tiwari³

¹ICAR-Indian Institute of Horticultural Research, Bengaluru - 560 089, India

²ICAR-National Bureau of Plant Genetic Resources, New Delhi - 110 012, India

³ICAR-Indian Institute of Vegetable Research, Varanasi - 221 305, India

*Corresponding author Email: [ttejavathu41@gmail.com](mailto:ttejvathu41@gmail.com)

Supplementary Table 1 : List of brinjal accessions collected from ICAR-National Bureau of Plant Genetic Resources, New Delhi, India, for the study

Sl. No.	Accession	Sl. No.	Accession	Sl. No.	Accession	Sl. No.	Accession
1	IC-0510422	111	IC-0137750	221	IC-0127242	331	IC-0605987
2	IC-0602631	112	IC-0137756	222	IC-0136319	332	IC-0606108
3	IC-0089889	113	IC-0137760	223	IC-0510487	333	IC-0606109
4	IC-0090941	114	IC-0201133	224	IC-0510496	334	IC-0606340
5	IC-0090988	115	IC-0144144	225	IC-0510499	335	IC-0606341
6	IC-0126742	116	IC-0144200	226	IC-0510508	336	IC-0606815
7	IC-0126759	117	IC-0144209	227	EC-0292743	337	IC-0261861
8	IC-0126769	118	IC-0146654	228	EC-0293328	338	IC-0261865
9	IC-0126770	119	IC-0146670	229	EC-0293825	339	IC-0261873
10	IC-0126772	120	IC-0163301	230	EC-0293828	340	IC-0261874
11	IC-0126779	121	IC-0168590	231	EC-0293911	341	IC-0261884
12	IC-0126783	122	IC-0169082	232	IC-0003219	342	IC-0261886
13	IC-0126788	123	IC-0201131	233	IC-0090853	343	IC-0261892
14	IC-0126793	124	IC-0249297	234	IC-0090873	344	IC-0261895
15	IC-0126795	125	IC-0249298	235	IC-0090875	345	IC-0261900
16	IC-0126796	126	IC-0249300	236	IC-0090876	346	IC-0261905
17	IC-0126804	127	IC-0249306	237	IC-0090878	347	IC-0261908
18	IC-0126806	128	IC-0249323	238	IC-0090880	348	IC-0261912
19	IC-0126808	129	IC-0249326	239	IC-0090883	349	IC-0261914
20	IC-0126809	130	IC-0249327	240	IC-0090884	350	IC-0261916
21	IC-0126813	131	IC-0249328	241	IC-0090885	351	IC-0261917
22	IC-0126816	132	IC-0249331	242	IC-0090886	352	IC-0261920
23	IC-0126817	133	IC-0261931	243	IC-0090887	353	IC-0261926
24	IC-0126821	134	IC-0604509	244	IC-0090888	354	IC-0261930
25	IC-0126836	135	IC-0090099	245	IC-0090889	355	IC-0527973
26	IC-0126840	136	IC-0126625	246	IC-0090925	356	IC-0527974
27	IC-0126841	137	IC-0136273	247	IC-0602921	357	IC-0527975
28	IC-0126842	138	IC-0144060	248	IC-0602922	358	IC-0527976
29	IC-0126854	139	IC-0203592	249	IC-0602924	359	IC-0527977
30	IC-0126867	140	IC-0203593	250	IC-0602925	360	IC-0527978
31	IC-0603134	141	IC-0285124	251	IC-0033450	361	IC-0527980



32	IC-0127025	142	IC-0350885	252	IC-0111076	362	IC-0527981
33	IC-0136204	143	IC-0413648	253	IC-0112357	363	IC-0527982
34	IC-0510474	144	IC-0413659	254	IC-0126668	364	IC-0527983
35	IC-0510485	145	IC-0413697	255	IC-0126635	365	IC-0527984
36	IC-0510495	146	IC-0413704	256	IC-0126647	366	IC-0527985
37	IC-0510504	147	IC-0413718	257	IC-0126660	367	IC-0527986
38	IC-0510509	148	IC-0522243	258	IC-0126664	368	IC-0527987
39	IC-0588126	149	IC-0522260	259	IC-0126666	369	IC-0527988
40	EC-0293858	150	IC-0523883	260	IC-0126670	370	IC-0527989
41	EC-0293859	151	IC-0523884	261	IC-0126673	371	IC-0527990
42	EC-0294046	152	IC-0523885	262	IC-0126675	372	IC-0527991
43	IC-0126687	153	IC-0523886	263	IC-0126676	373	IC-0527992
44	IC-0126690	154	IC-0523887	264	IC-0126677	374	IC-0527993
45	IC-0126701	155	IC-0523888	265	IC-0510515	375	IC-0527994
46	IC-0126703	156	IC-0523889	266	IC-0510516	376	IC-0527995
47	IC-0126718	157	IC-0523891	267	IC-0603136	377	IC-0527996
48	IC-0126725	158	IC-0531747	268	EC-0305121	378	IC-0527997
49	IC-0126729	159	IC-0545916	269	IC-0249293	379	IC-0527998
50	IC-0126732	160	IC-0588089	270	IC-0249296	380	IC-0528000
51	IC-0126736	161	IC-0588105	271	IC-0136207	381	IC-0528001
52	IC-0126750	162	IC-0588119	272	IC-0249295	382	IC-0528002
53	IC-0126760	163	IC-0605875	273	IC-0099751	383	IC-0528004
54	IC-0126777	164	IC-0317479	227	IC-0099758	387	IC-0528005
55	IC-0126780	165	IC-0410129	275	IC-0099788-Z	385	IC-0528006
56	IC-0126784	166	IC-0410139	276	IC-0104101	386	IC-0528007
57	IC-0126785	167	IC-0421110	277	IC-0111006	387	IC-0528008
58	IC-0126789	168	IC-0421111	278	IC-0111011	388	IC-0528009
59	IC-0126799	169	IC-0421134	279	IC-0111013	389	IC-0528010
60	IC-0126801	170	IC-0421135	280	IC-0111017	390	IC-0528011
61	IC-0126802	171	IC-0421136	281	IC-0111021	391	IC-0528012
62	IC-0126803	172	IC-0421137	282	IC-0111023	392	IC-0528013
63	IC-0126807	173	IC-0421138	283	IC-0111025	393	IC-0528014
64	IC-0126812	174	IC-0527969	284	IC-0111026	394	IC-0528015
65	IC-0126824	175	IC-0527970	285	IC-0111029	395	IC-0528016
66	IC-0126828	176	IC-0527971	286	IC-0111035	396	IC-0528017
67	IC-0126834	177	IC-0527972	287	IC-0111062	397	IC-0528018
68	IC-0126849	178	IC-0528021	288	IC-0111075	398	IC-0528019
69	IC-0126850	179	IC-0528022	289	IC-0111087	399	IC-0528020
70	IC-0126859	180	IC-0528023	290	IC-0111322	400	IC-0249374
71	IC-0126874	181	IC-0528024	291	IC-0111446	401	IC-0261775
72	IC-0126877	182	IC-0528025	292	IC-0126643	402	IC-0261787
73	IC-0126909	183	IC-0528026	293	IC-0602940	403	IC-0261794
74	IC-0126922	184	IC-0528027	294	IC-0602980	404	IC-0261795
75	IC-0126925	185	IC-0528028	295	IC-0112670	405	IC-0261801

Variability analysis in brinjal



76	IC-0126932	186	IC-0528029	296	IC-0126633	406	IC-0261802
77	IC-0126961	187	IC-0528030	297	IC-0126641	407	IC-0261811
78	IC-0126996	188	IC-0528031	298	IC-0126650	408	IC-0261813
79	IC-0126999	189	EC-0293288	299	IC-0126654	409	IC-0261814
80	IC-0127015	190	EC-0304972	300	IC-0126657	410	IC-0261820
81	IC-0127050	191	EC-0316301	301	IC-0126689	411	IC-0261832
82	IC-0127244	192	EC-0383342	302	IC-0126738	412	IC-0261835
83	IC-0136591	193	EC-0467278	303	IC-0126740	413	IC-0261838
84	IC-0211841	194	IC-0111056	304	IC-0126792	414	IC-0261842
85	IC-0211842	195	IC-0112297	305	IC-0127063	415	IC-0261843
86	IC-0510500	196	IC-0112773	306	IC-0127149	416	IC-0261848
87	IC-0510506	197	IC-0112797	307	IC-0127215	417	IC-0265250
88	IC-0136058	198	IC-0112922	308	IC-0135992	418	IC-0272927
89	IC-0136095	199	IC-0112950	309	IC-0136024	419	IC-0280963
90	IC-0136131	200	IC-0126903	310	IC-0249337	420	IC-0281072
91	IC-0136132	201	IC-0127036	311	IC-0249345	421	IC-0439279
92	IC-0136134	202	IC-0127153	312	IC-0249350	422	IC-0439281
93	IC-0136172	203	IC-0169061	313	IC-0249351	423	IC-0439282
94	IC-0136179	204	IC-0415406	314	IC-0249353	424	IC-0531742
95	IC-0136256	205	IC-0603142	315	IC-0249363	425	IC-0531743
96	IC-0136286	206	IC-0398177	316	IC-0249364	426	IC-0531744
97	IC-0136310	207	IC-0398182	317	IC-0249365	427	IC-0531748
98	IC-0136317	208	IC-0398184	318	IC-0249371	428	IC-0531752
99	IC-0136375	209	IC-0398185	319	IC-0249372	429	IC-0531758
100	IC-0136530	210	IC-0398191	320	IC-0249373	430	IC-0531760
101	IC-0136567	211	IC-0398196	321	IC-0249376	431	IC-0531761
102	IC-0136197	212	IC-0398198	322	IC-0350886	243	IC-0531762
103	IC-0126661	213	IC-0398199	323	IC-0373823	433	IC-0531767
104	IC-0126662	214	IC-0606564	324	IC-0604298	443	IC-0531769
105	IC-0137104	215	EC-0292720	325	IC-0604299	435	IC-0531771
106	IC-0137650	216	EC-0293666	326	IC-0604300		
107	IC-0137656	217	EC-0294034	327	IC-0604303		
108	IC-0137707	218	IC-0090919	328	IC-0604305		
109	IC-0137717	219	IC-0090944	329	IC-0605082		
110	IC-0137738	220	IC-0099600	330	IC-0605331		

