

Table 1S - Details of the garlic accessions used in the study

SN	Genotypes	Origin	Nature of germplasm
1	VGS-4	Mojhra, Himachal Pradesh	Local germplasm
2	VGS-5-1	Jageshwar, Uttarakhand	Local germplasm
3	VGS-5-2	Jageshwar, Uttarakhand	Local germplasm
4	VGS-6	Kumoun, Uttarakhand	Local germplasm
5	VGS-7	Pithoragarh, Uttarakhand	Local germplasm
6	VGS-8	Mukteshwar, Uttarakhand	Local germplasm
7	VGS-9	Kumoun, Uttarakhand	Local germplasm
8	VGS-10A	Kumoun, Uttarakhand	Local germplasm
9	VGS-11B	Kumoun, Uttarakhand	Local germplasm
10	VGS-11 (Agrifound Parvati)	AINP on Onion & Garlic	Released Variety
11	VGS-12 (IC 35265)	NBPGR, New Delhi	Indigenous collection
12	VGS-13 (GNIS-78)	NBPGR, Bhowali	Indigenous collection
13	VGS-14 (GNIS-65)	Kapkot, Uttarakhand	Local germplasm
14	VGS-15 (IC 49373)	NBPGR, New Delhi	Indigenous collection
15	VGS-16 (IC 49388)	NBPGR, New Delhi	Indigenous collection
16	VGS-17 (IC25222)	NBPGR, New Delhi	Indigenous collection
17	VGS-18 (VLS 5)	VPKAS, Almora	Advance line
18	VGS-19 (VLS 5)	VPKAS, Almora	Advance line
19	VGS-20	Munsyari, Uttarakhand	Local germplasm
20	VGS-21	Jabalpur, M.P.	Local germplasm
21	VGS-22 (IC 49345)	NBPGR, New Delhi	Indigenous collection
22	VGS-31	Kumoun, Uttarakhand	Local germplasm
23	VGS-32 (IC 49374)	NBPGR, New Delhi	Indigenous collection
24	VGS-33	Garampani, Uttarakhand	Local germplasm
25	VGS-34	Pithoragarh, Uttarakhand	Local germplasm
26	VGS-35	Pithoragarh, Uttarakhand	Local germplasm
27	VGS-36	Pithoragarh, Uttarakhand	Local germplasm
28	VGS-37	Pithoragarh, Uttarakhand	Local germplasm
29	VGS-38	Darma, Uttarakhand	Local germplasm
30	VGS-39 (EC158250)	NBPGR, New Delhi	Exotic germplasm
31	VGS-40	Munakot, Uttarakhand	Local germplasm
32	VGS-41	Munakot, Uttarakhand	Local germplasm
33	VGS-42	Jhulegoan, Uttarakhand	Local germplasm
34	VGS-43	Jhulegoan, Uttarakhand	Local germplasm
35	VGS-44	Ooty, Tamil Nadu	Local germplasm
36	VGS-45	Ooty, Tamil Nadu	Local germplasm
37	VGS-47	Ooty, Tamil Nadu	Local germplasm
38	VGS-49	Salt, Almora, Uttarakhand	Local germplasm
39	VGS-51	Shimla, Himachal Pradesh	Local germplasm
40	VGS-52	Kumoun, Uttarakhand	Local germplasm
41	VGS-54	Kumoun, Uttarakhand	Local germplasm
42	VGS-55	Kumoun, Uttarakhand	Local germplasm
48	VGS-62	Uttarakhand	Local germplasm
49	VGS-65	Uttarakhand	Local germplasm
50	VGS-67	Uttarakhand	Local germplasm
51	VGS-70	Uttarakhand	Local germplasm
52	VGS-73	Uttarakhand	Local germplasm
53	VGS-74	Uttarakhand	Local germplasm
54	VGS-75	Uttarakhand	Local germplasm
55	VGS-76	Uttarakhand	Local germplasm
56	VGS-77	Uttarakhand	Local germplasm
57	VGS-78	Uttarakhand	Local germplasm
58	VGS-79	Uttarakhand	Local germplasm
59	VGS-80	Uttarakhand	Local germplasm
60	VGS-81	Uttarakhand	Local germplasm
61	VGS-82	Uttarakhand	Local germplasm
62	VGS-83	Uttarakhand	Local germplasm
63	VGS-84	Selection from GRL 1349	Advance line
64	VGS-85	Rajasthan	Local germplasm
65	VGS-86	Dunagiri, Uttarakhand	Local germplasm
66	VGS-87	Kumoun, Uttarakhand	Local germplasm
67	VGS-88	Garhwal, Uttarakhand	Local germplasm
68	VGS-89	Kumoun, Uttarakhand	Local germplasm
69	VGS-90	Kumoun, Uttarakhand	Local germplasm
70	VGS-91	Kumoun, Uttarakhand	Local germplasm

SN	Genotypes	Origin	Nature of germplasm
71	VGS-92	Garhwal, Uttarakhand	Local germplasm
72	VGS-93	Garhwal, Uttarakhand	Local germplasm
73	VGS-94	Garhwal, Uttarakhand	Local germplasm
74	VGS-95	Garhwal, Uttarakhand	Local germplasm
75	VGS-96	Kumoun, Uttarakhand	Local germplasm
76	VGS-97	Kumoun, Uttarakhand	Local germplasm
77	VGS-98	Kumoun, Uttarakhand	Local germplasm
78	VGS-99	Kumoun, Uttarakhand	Local germplasm
79	VGA-100	Garhwal, Uttarakhand	Local germplasm
80	VGS-101	Garhwal, Uttarakhand	Local germplasm
81	VGS-102	Garhwal, Uttarakhand	Local germplasm
82	VGS-103	Garhwal, Uttarakhand	Local germplasm
83	VGS-104	Garhwal, Uttarakhand	Local germplasm
84	VGS-105	Garhwal, Uttarakhand	Local germplasm
85	VGS-106	Kumoun, Uttarakhand	Local germplasm
86	VGS-107	Kumoun, Uttarakhand	Local germplasm
87	VGS-108	Kumoun, Uttarakhand	Local germplasm
88	VGS-109	Kumoun, Uttarakhand	Local germplasm
89	VGS-110	Kumoun, Uttarakhand	Local germplasm
90	Swarna-9	Kumoun, Uttarakhand	Local landrace
91	Chakrata	Kumoun, Uttarakhand	Local landrace
92	Bhima Omkar	AINP on Onion & Garlic	Released Variety
93	Bhima Purple	AINP on Onion & Garlic	Released Variety
94	VGS-9-1 (Agrifound Parvati-2)	AINP on Onion & Garlic	Released Variety