

Table S1: Details of germplasm material of the 44 wheat accessions used in this study

SL. No.	Accession	Collector No/Other ID/Cultivar name/Pedigree	Collection source/ developer institution /country
1	EC576886	E-7220	CIMMYT, Mexico
2	IC279230	Tro Elite line (FRL-387)	Jammu and Kashmir
3	KRL 210	Released variety (PBW-65/2*PASTOR)	Central Soil Salinity Research Institute (CSSRI), Karnal, Haryana
4	IC529195	Local germplasm (Collector ID:VWFW-2138)	Uttarakhand
5	IC533742	Local germplasm collection (Collector ID:B-1-C-2)	ICAR-NBPGR, New Delhi
6	IC539469	EIGN-1(03-04)/50	Haryana
7	IC542040	8-EGPSN-115, a line of Eastern Gangetic Plain Screening Nursery	ICAR-NBPGR, New Delhi
8	IC82216	NKG-129	Himachal Pradesh
9	EC178071-428	Germplasm introduced from Mexico	CIMMYT, Mexico
10	IC543390	Elite wheat line	Himachal Pradesh
11	IC281570	Elite wheat line (VR-CW-1660)	Uttarakhand
12	IC535225	NC-55621	CIMMYT, Mexico
13	EC498425	SERI.1B/KAUZ/GEN/3/AMAD	Mexico
14	EC178071-283	Germplasm introduced from Mexico	CIMMYT, Mexico
15	IC290188	Germplasm collection	NBPGR, New Delhi
16	IC512662	PI615325	United States of America
17	IC82247	Germplasm collection	NBPGR, New Delhi
18	IC252799	K-9441	CSUA&T, Kanpur
19	EC178071-434	Germplasm introduced from Mexico	CIMMYT, Mexico
20	IC534688	PI-322100	NBPGR, New Delhi

21	IC107946	BDJ89-342	Himachal Pradesh
22	IC529729	VVFW-753	Uttarakhand
23	IC138901	BDJ-89-2	NBPGR, New Delhi
24	IC177789	BW 4021	CIMMYT, Mexico
25	IC104622	CH-79-1/ Local cultivar hybrid	Haryana
26	IC539574	KYZ-0142	IIWBR, Karnal, Haryana
27	IC542090	13HMN05-23-1	Delhi
28	IC290081	Germplasm collection	NBPGR, New Delhi
29	IC445343	ET-96265	Karnal, Haryana
30	IC82209	Germplasm collection	NBPGR, New Delhi
31	HD2009	Released variety (Nainari 60 X Lerma)	Indian Agricultural Research Institute, Delhi
32	IC104581	Local germplasm collection (Collector ID:CH-42-1)	Chittorgarh, Rajasthan
33	IC532075	P-2477-1	NBPGR, New Delhi
34	IC290260	MP-867-1	Himachal Pradesh
35	IC535678	Germplasm collection	NBPGR, New Delhi
36	EC553089	KCM-986 Elite line	Uttarakhand
37	IC532149	P-2855	ICAR-NBPGR, New Delhi
38	IC290221	Germplasm collection	NBPGR, New Delhi
39	IC536084	Germplasm collection	NBPGR, New Delhi
40	EC576356	E-209-1-1	CIMMYT, Mexico
41	IC406521	AKS/RRA/BS-171 Elite line	Uttarakhand
42	EC576404	E-2293-1-1	CIMMYT, Mexico
43	IC533596	PI-343434	NBPGR, New Delhi

44	EC192829	B.V.-86 SI.No:1588	MEXICO
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