

Supplementary data

Population structure and genetic diversity among Indian wheat varieties using microsatellite (SSR) markers

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Supplementary Table 1 : Description of wheat accessions used in the study

Sr.No	Genotype	Sub-population ID	Zone	Pedigree
1	AKAW 4210-6	1	Peninsular Zone	DF-99-186SELECTION FROM 3RD SSN99-2000
2	DBW 16	1	North western plain zone	RAJ3765/WR484/HUW468
3	DBW 46	1	North eastern plain zone	PBW343/INQ21
4	DBW 50	1	North western plain zone	KAUZ//ALTAR84/AOS/3/MILAN/KAUZ/4/HUITES
5	DBW 51	1	North western plain zone	SITE/MILAN
6	DBW 74	1	North western plain zone	-
7	FKW1	1	Northern Hill zone	UP2338*4/CHINA84-40022
8	FKW-3	1	Northern Hill zone	PBW343/HD4672
9	FLW-24	1	Northern Hill zone	PBW343/TcLr19F6
10	FLW-27	1	Northern Hill zone	PBW343/Tc*4/ST1(Lr45)F6
11	FLW29	1	Northern Hill zone	PBW343/CAPPELLE DESPREZ/PBW343/Lr28(CS2D2M3/8)F7
12	FLW-3	1	Northern hill zone	UP2338/Chine84
13	GW 322	1	Central zone	PBW173/GW196
14	HD 2781	1	North western plain zone	BOW/C 306//C591/HW2004
15	HD 2985	1	North western plain zone	PBW 343/PASTOR
16	HD 3040	1	Peninsular zone	WR1027/HD2851
17	HD 3043	1	North western plain zone	PJN/BOW//OPATA*2/3/CROC_1/AE.SQUARROSA(224)//OPATA
18	HI 1539	1	Central Zone	HI1391/HI1394
19	HI 1572	1	Central zone	SKAUZ*2/FCT
20	HI 1579	1	North eastern plain zone	-
21	HI 8663	1	Peninsular zone	HI8177/HI8184
22	HI 977	1	North western plain zone	GLL/AUSTII61.157//CNO/NO/3/Y50E/3*KAL

23	HS 295	1	Northern Hill zone	COT/AZ//IAS55/ALD"S"/3/ALD"S"/NAFN"S"/4/PIN"S"/PEZSE127
24	HS 507	1	Northern Hill Zone	KAUZ/MYNA/VUL//BUC/FLK/4/MILAN
25	HS 514	1	Northern Hill Zone	IINQLAB91*2/TUKURU
26	HUW 468	1	North eastern plain zone	CPAN-1962/TONICHI-81/LIRA/PARULA
27	HUW 612	1	North eastern plain zone	HUW 202/HUW 300//HUW 395
28	HUW 616	1	North eastern plain zone	RAJ 3814/WH 283//HD 2402
29	K 0307	1	North eastern plain zone	K8321/UP2003
30	K 0402	1	North eastern plain zone	HP1731/UP2425
31	K 0508	1	North eastern plain zone	PBW343/HD2733
32	K 0607	1	North eastern plain zone	HUW468/HD2402
33	K 9107	1	North eastern plain zone	K8101/K68
34	KRL 210	1	all zones	PBW65/2*PASTOR
35	KRL 213	1	North western plain zone	CNDO/R143//ENTE/MEXI-2/3/AEGILOPS SQUARROSA(TAUS)/4/WEAVER/5/2/*KAUZ
36	KRL 240	1	North western plain zone	RAJ3307/CPAN6207//HI8498
37	LBRL1	1	North western plain zone	PBW343/CHIRYA3
38	MACS 6240	1	Peninsular zone	OPATA/RAYON//KAUZ
39	MP 1201	1	Central zone	CMH82A.1294/2*KAUZ//MUNIA/CHTO/3/MILAN
40	NIDW 295	1	Peninsular Zone	BOOMER 33/PLATA8
41	PBW 175	1	North western plain zone	HD2160/WG1025
42	PBW 509	1	North western plain zone	PBW381/W1634
43	PBW 550	1	North western plain zone	WH594/RAJ3856//W485
44	PBW 568	1	North western plain zone	W485/PBW343//HD2160
45	PBW 573	1	North western plain zone	WH594/RAJ3814
46	PBW 574	1	North western plain zone	HD2643//CS/Ae.sq
47	PBW 579	1	North western plain zone	W7554/PBW427
48	PBW 580	1	North western plain zone	UP2338/MEI319
49	PBW 581	1	North western plain zone	RL6043/RAJ3765
50	PBW 582	1	North western plain zone	PBW343/PBW346
51	PBW 585	1	North western plain zone	PBW342/HD2652
52	PBW 588	1	North western plain zone	RL6043/RAJ3765
53	PBW 590	1	North western plain zone	WH594/RAJ3814//W485
54	PBW 621	1	North western plain zone	KAUZ/ALTAR84/AOS/3/MILAN/KAUZ/4/HUITES
55	PBW 639	1	North western plain zone	HW2019/PBW49
56	PBW 644	1	North western plain zone	PBW175/HD2643
57	PDW 317	1	North western plain zone	PDW248/PDW268//PDW265/PDW268
58	Pusa2019A/11	1	North western plain zone	CS CMS*7/HW2019
59	UP 2425	1	North western plain zone	HD2320/UP2263
60	VL 900	1	Northern Hill zone	KAUZ/3/MYNA/BUL/FLK/4/MILAN
61	VL 907	1	North eastern plain zone	DYBR 1982-83/84 ABVD 50/VW 9365//PBW 343
62	VL858	1	Northern Hill zone	OPATA/RAYON//KAUZ

63	WH 1022	1	North western plain zone	WH283/UP2338
64	WH 1080	1	North western plain zone	21STSAWSN151
65	WH595	1	North western plain zone	PRL 6045/NAC 76
66	DDK 1009	2	Peninsular zone	NP200*4//NP200/ALTAR84
67	DL1266-5	2	North western plain zone	SFW/VAISHALI
68	FLW-12	2	Northern Hill zone	UP2338/MEGA
69	FLW-26	2	Northern Hill zone	PBW343/KS91WGR11(Lr42)F6
70	HD 2962	2	North western plain zone	PBW343*2//KUKUN
71	HS 420	2	Northern Hill zone	KAJ3302//CMH73A-497/3*CNO79
72	HS431	2	Northern Hill zone	V81623//BUC/PVN
73	HW2001	2	Northern Hill zone	SONALIKA//TR-380-14*7/3-AG-14/3/5*SONALIKA
74	ISD215	2	North western plain zone	K.S./T.turgidum/h38/3/SKA//T.carthlium//33/SKA/BLUEBIRD//HD2122
75	Kharchia local	2	North western plain zone	kharchia village, rajasthan
76	KRL 19	2	all zones	PBW255/KRL1-4
77	KRL 238	2	North western plain zone	HW3014/WR765
78	LBRL4	2	North western plain zone	BREEDSEL 172/PC-OE BW 22
79	ML1194	2	North western plain zone	BB-ND/NO 66-P1+C81
80	MP 3224	2	North eastern plain zone	MP 403-2/GW 322
81	MP 3299	2	Peninsular zone	DOVE/BUC/DL788-2
82	MP 4106	2	Central zone	CHIBIA/PRL11/CM65531
83	PAUHD2329-KLM3B	2	North western plain zone	-
84	PAUWL711-KLM3B	2	North western plain zone	SONALIKA/CHRIS//KALYANSONA
85	PBW 612	2	North western plain zone	NIAW34//BAU/KAUZ
86	P-mst (Genic male sterile)	2	North western plain zone	-
87	Pusa T3336	2	North western plain zone	LOKBHARTI/DWARF 7 KITE
88	RL-83	2	Northern Hill zone	-
89	Sel 111	2	North western plain zone	Chinese spring monosomic 5B/Russian Rye (Secale cereale)/C591//Sonalika
90	Sel212	2	North western plain zone	Chinese spring monosomic 5B/Russian Rye (Secale cereale)/USDA Accession 366498//Sonalika
91	Selection T2600	2	North western plain zone	C306*2/Triticum militinae
92	TANK	2	Northern Hill zone	local land race
93	UAS 315	2	North western plain zone	DWR163/DHARWAD DRY//DWR 225
94	UAS 320	2	Peninsular zone	UAS257//GW322/DWR195
95	VL 616	2	Northern Hill zone	SONALIKA/CPAN-1507;SONALIKA/P-46
96	VL 804	2	Northern Hill zone	CPAN3018/CPAN3004//PBW65
97	VL-639	2	Northern Hill zone	VL-421/CPAN-1535
98	WBM1587	2	Northern Hill zone	MILAN/SHA7
99	WCF8-HT13	2		-

100	WH 542	2	North western plain zone	JUP/BJY//URES
101	WH712	2	North western plain zone	TRAP//1//BOW/PFAU
102	A-9-30-1	3	Central Zone	A206/GAZA
103	C306M10	3	North western plain zone	C306 with 60CO(mutant)
104	DBW 52	3	North eastern plain zone	CAL/NH//H567.71/3/SERI/4/CAL/NH//H567.71/5/2*KAUZ/6/PASTOR
105	DL 788-2	3	Central zone	K7537/HD2160/HD2278//L24K-4-14
106	DT-18	3	North western plain zone	TL68/DTS940
107	FLW-13	3	Northern Hill zone	WH542*/Yr15(CN25087)
108	FLW28	3	Northern Hill zone	WH542/WC 1 F8
109	FLW30	3	Northern Hill zone	PBW343/Yr15//PBW34/LR28
110	FLW-8	3	Northern Hill zone	HI 1077/Tc*Lr19(RL 6040)
111	Halna	3	North western plain zone	local collection from farmer's field in Farukhabad, U.P.
112	HS 240	3	Northern Hill zone	AV/KAL/BB/WOP"S"/PVN"S"
113	HS 492	3	Northern Hill zone	HPW42/CPAN2032//UNATH K.S.
114	HUW 609	3	North eastern plain zone	RAJ3879/HD2733//HUW395
115	HW2002	3	Southern Hill zone	KALYANSONA//TR-380-14*7/3-AG-14/3/5*KALYANSONA
116	HW2015	3	Southern Hill zone	-
117	IC296432	3	North western plain zone	-
118	IC296436	3	North western plain zone	-
119	IC296439	3	North western plain zone	-
120	LBRL6	3	North western plain zone	UP262/CHIRYA 7
121	MBL2	3	North western plain zone	NP4/HB208
122	MBL5	3	North western plain zone	NP4/HB209
123	MP 3304	3	Central zone	GW322/J485
124	MP 4010	3	Central zone	ANGOSTURA88(CAM50123-3M-Y-2M-1Y-2M-Y-2M-2Y-OM-OMR/S
125	Pusa 2022A&HW2022	3	North western plain zone	CSC MS*8/HW2022
126	Pusa 2099A	3	North western plain zone	CS CMS*8/HW2099
127	Raj 4037	3	North western plain zone	DL788-2/RAJ 3717
128	Raj 4119	3	North western plain zone	RAJ3777/WR413
129	RL22	3	Northern Hill zone	TL68/Shailja
130	UAS 304	3	Peninsular zone	SERI/CEP 80120//KAUZ/PBW 343
131	VL 829	3	Northern Hill zone	IBWSN149/CPAN2099
132	VL 892	3	Northern Hill zone	WH542/PBW246
133	WBM1591	3	Northern Hill zone	PYN/BAU//MILAN
134	WH423	3	North western plain zone	-
135	WL3203	3	North western plain zone	(USA255/K816)//WL202)
136	AKDW 4021	4	Peninsular zone	AJAIA-12/F3 LOCAL(SELETHI-135.85)
137	Bawaji	4	Central zone	GW1053/RD214
138	C 306	4	Central zone	KAUZ/STAR//HD2643
139	D482	4	Central Zone	HW2002*2//STREMPALLI/PNC5

140	D873	4	Central Zone	HI1182/CPAN1990
141	D879	4	Central zone	RAJ6070/RAJ911
142	D895	4	Central zone	(HG509/HI8381)/BOOMER-33/Plata8)
143	DBP-01-16	4	Central zone	HG822/HI8498
144	DI-9	4	Central zone	GW1113/GW1114//HI8381
145	DW1001	4	North western plain zone	local land race
146	GW 2002-51	4	North western plain zone	REGENT1974/3*CHZ//*2C591/3/P19/C281
147	HD 2932	4	North western plain zone	HD-2252/UP-262
148	HI 1500	4	North western plain zone	HW-2002*2//STRAMPELLI/PNC-5
149	HI 1531	4	North western plain zone	HI-1182/CPAN-1990
150	HI 8498	4	North western plain zone	RAJ-6070/RAJ-911
151	HI 8691	4	North western plain zone	PBW34/DCB 25
152	HI 8704	4	North western plain zone	S948A1/C306M 10
153	HI8591	4	North western plain zone	TOPDY 6
154	HI1552	4	North western plain zone	-
155	HW 2004	4	North western plain zone	HW-2002-A/CPAN-3057; C-306*7//TR-380-14-7/3-AG-14
156	IC296446	4	North western plain zone	-
157	IC296466	4	North western plain zone	-
158	MACS 1967	4	North western plain zone	GULAB/CPAN-1471
159	MACS 3742	4	North western plain zone	BOOMER21/MOJO2
160	MACS 6145	4	North western plain zone	AJAIA12/F3LOCAL(SEL.ETHIO.135.85)//PLATA13/3/SOMAT3/4/SOOTY9/ RASCON37
161	MPO 1215	4	North western plain zone	PDW252/PDW251
162	NI 5439	4	North western plain zone	HD 4502//T.turgidum 46432//RAJ 911/T.turgidum 44
163	NIAW 34	4	North western plain zone	UP 368-SHAILZA//WH 157-Bulk 1858/GP 104
164	PAUHMW Glu`- AI-I	4	North western plain zone	UP 368-SHAILZA/WH 157-Bulk 1858/GP 114
165	PAUMW Glu-AI-7	4	North western plain zone	E4870/C303//5339/PV18
166	PAUMW Glu-AI-8	4	North western plain zone	SIN'S/WH852
167	PDW 291	4	North western plain zone	GLARE/PLATA-16//AJAIA-3/SILVER16
168	PDW 314	4	Northern Hill zone	-
169	PDW 315	4	Northern Hill zone	HD2687/MacS2846
170	RD-20	4	Northern Zone	TL 2732/DT54
171	RL-4	4	Northern Zone	JNIT141/TL1210//JNIT141
172	RNB1001	4	Peninsular Zone	GULAB/CPAN6078
173	SG-15	4	Peninsular Zone	-
174	SG-8809	4	Peninsular Zone	C306+Lr28
175	TL 2942	4	Peninsular zone	NI8883/MP1055
176	TL 2969	4	Peninsular zone	CNO79/PRL"S"
177	UAS 316	4	Peninsular zone	PASTOR/ DHARWAD DRY/DWR39
178	UAS 415	4	Peninsular zone	GALLI/BOOMER20//DWR185

179	UAS 428	4	Peninsular zone	GREEN-14/YAV-10/AUK/UAS402
180	WCF8-W12	4	Southern Hill Zone	C 306*7/TR 380-14*7/3 AG 14
181	WH 147	4	Central zone	E-4870/C-303//S-339/V-18; E-4870/C-36//S-339/V-18; PENJAMO-62(SIB)/P-14//KENTANA-54-B/3/C-286/C-283/4/S-339/PV-18
182	WH 896	4	North western plain zone	STIFFTAIL(SIB)/(SIB)YAVAROS/(SIB)PENELOPE
183	WHD 943	4	Central zone	-
184	AKAW 4627	5	Peninsular zone	WH147/SUNSTAR*/C80.1
185	AKDW 2997-16	5	Peninsular zone	CPAN6140/RAJ1555
186	DBW 31	5	all zones	SELECTION FROM KHARCHIA LOCAL
187	DI 717	5	Central zone	JUP/ZP/COC/3/PVN/4/GEN/5/BOW//BUC/BUC/6/VEE#5//DOVE/BUC/7/GW 273/8/GW273
188	FLW-1	5	Central zone	HD4672/PDW233
189	FLW-6	5	Central zone	LOK1/J.24/SONALIKA"S"/HW2006/RW2358/HW2002
190	GIANT-3	5	Central zone	PICUS/3/KAUZ*2.BOW//KAUZ
191	GW 2002-18	5	Central zone	DL51-91/GW265
192	GW 391	5	North Eastern Plain Zone	C306/T.sphaerococcum//HW2004
193	HD 2833	5	North eastern plain zone	MACS2496*2/MC10
194	HD 2888	5	North eastern plain zone	RAJ3765/GW322
195	HD 2930	5	North eastern plain zone	WH581/HUW395//RAJ3765
196	HD 2967	5	North eastern plain zone	HD 2733/K 9423/K 9351
197	HD 2983	5	North eastern plain zone	HD1696/2*K852
198	HI 1563	5	North western plain zone	DBW14/PBW343
199	HI 1571	5	North western plain zone	C306 M10/Tordo S
200	HI 8627	5	North western plain zone	-
201	Hindi-62	5	North western plain zone	PBW226/HW1042//HD2285
202	HP 1913	5	North western plain zone	CNO79/PRL//CHIL/3/HD2329/CPAN2068
203	HUW 598	5	North western plain zone	ALD/CUC//URES/HD216 OM/HD 2278
204	HW 2044	5	North western plain zone	PYN/BAU/MILA/3/HP1744
205	HW 5021	5	North western plain zone	local land race
206	HW 5205	5	North western plain zone	CNO67/MFD//MON"S"/3/SERI
207	HW 5207	5	North western plain zone	PBW343/HUW235
208	HW 5207-1	5	North western plain zone	PBW 438/PBW 343//PBW 457
209	HW2006	5	North western plain zone	-
210	HW2049	5	North western plain zone	HD2402/VL 639
211	K 0617	5	North western plain zone	PBW373/V1
212	K 8027	5	North western plain zone	RAJ3777/WR413
213	KHARCHIA 65	5	North western plain zone	UP2441/K9330
214	Lok 54	5	North western plain zone	RAJ3777/WH671
215	MP 1202	5	North western plain zone	UP 368-SHAILZA/WH 157-Bulk 1858/GP 104(selection for specific spike form)
216	NW 4035	5	North western plain zone	WEAWER/WL 2926/SW 89.3064
217	PBW 396	5	North western plain zone	BARBET 1 SELECTION

218	PBW 575	5	North western plain zone	21stSAWSN171
219	PBW 613	5	North western plain zone	HD2009/WG 377
220	Pusa5-3	5	Northern Hill zone	UP2338/ARKAN
221	Raj 3765	5	Northern Hill zone	HP1633/HP1776
222	Raj 4120	5	Northern Hill zone	HD2687/MacS2846
223	Raj 4124	5	Northern hill zone	BPRE'S//CNO'S/GLL/HD30//VL804
224	Raj 4125	5	Peninsular zone	RAJ3777/WLT277//HW2045
225	Raj 4132	5	Peninsular zone	WR1027/HD2851
226	SG-22	5	Southern hill zone	MACS2496*1//MC10
227	VL 925	5	Southern hill zone	HW3020/HD2669
228	WCF8-BL10	5	Southern Hill zone	HW3029/Yr15
229	WH 1021	5	Southern hill zone	HW3029/Yr15
230	WH 1061	5	Southern hill zone	-
231	WH 1063	5	Southern Hill zone	HD 2285/SUNSTAR*C/C 80-1
232	WH 1081	5	Southern Hill zone	-
233	WL3526	5	North western plain zone	NYOT95/SONAK
234	CBW 38	6	North western plain zone	19ME 11Q-02
235	AKW2862-1	6	Peninsular zone	VEE#6//DOVE'S/BUC 'S' CM 92225-66Y-OM
236	COW (W) 1	6	Southern hill zone	HD2646/HW1085
237	DBW 17	6	North western plain zone	CMH79A.95/3*CNO79//RAJ3777
238	DBW 22	6	North western plain zone	NW1021/WR368
239	DBW 39	6	North eastern plain zone	ATTILA/c
240	DI-105	6	North western plain zone	TORDOS/C 591
241	FLW-11	6	Northern Hill zone	WH542*/Abbot
242	FLW15	6	Northern Hill zone	PBW343*3/Tc+Lr32
243	FLW20	6	Northern Hill zone	PBW343/Lr19//FLW6F8
244	FLW-25	6	Northern Hill zone	PBW343/CS2D2M3/8(Lr28)F6
245	FLW-4	6	Northern hill zone	PBW343/ARKAN
246	HD 2189	6	North western plain zone	HD1963/HD1931
247	HD 2687	6	North western plain zone	CPAN2009/HD2329
248	HD 2824	6	North western plain zone	PTO/CNO79/PRL/GAA//HD1951
249	HD 2937	6	North western plain zone	TRAP#1/BOW//PFAU/MILAN
250	HD 2997	6	North western plain zone	BOW//HD2285//HD2444
251	HD 3016	6	North eastern plain zone	PBW65/2*PASTOR
252	HD2819	6	North western plain zone	-
253	HPW 251	6	Northern Zone	WW24XLEHMIP2-U149
254	HPW 266	6	North western plain zone	CH01X/STAR/3/HE 1/3* CNO79/2*SERI
255	HS 277	6	Northern Hill Zone	KUZ/CGN
256	HS 375	6	Northern Hill zone	BB/G 11/CJ71/3/TA EST//KAL/BB
257	HS 513	6	Northern Hill zone	HS413/HD2643//HW2044
258	HS424	6	Northern Hill zone	CAPAN3004/HPW(DL)30/HS286

259	HUW 234	6	North eastern plain zone	HUW12*2/CPAN1666
260	HW 5044	6	Southern hill zone	LOK1//WH542
261	IC296440	6	North western plain zone	-
262	KRL35	6	North western plain zone	HD2160/KRL1-4
263	MACS 2496	6	Peninsular zone	SERI"S"
264	MACS 2996	6	Peninsular zone	-
265	MACS 6222	6	Peninsular Zone	HD2189*2/MACS2496
266	MACS 6273	6	Peninsular zone	KAUZ*2/CHEN//BCN/MILAN
267	MP 1203	6	Central zone	FASN/2*TEPOCA/3/CHEN/AEGILOPS SQUARROSA/TA
268	MP 3211	6	Central zone	SKAUZ/2/FCT
269	MP 3288	6	Central zone	DOVE/BUC/DL788-2
270	NIAW 1415	6	Peninsular zone	GW9506/PRL//PRL
271	NIAW 1594	6	Peninsular zone	-
272	NIAW 917	6	Peninsular zone	GW244/BOB WHITE
273	NW 2036	6	North eastern plain zone	BOW/CROW//BUC/PVN
274	NW 3069	6	North eastern plain zone	ATTILA*2/KT/BAGE
275	PBW 343	6	North western plain zone	ND/VG1944//KAL//BB/3/YACO'S/4/VEE#5'S'
276	PBW 373	6	North western plain zone	ND/VG1944//KAL//BB/3/YACO'S/4/VEE#5'S'
277	PBW 502	6	North western plain zone	W485/PBW343/RAJ1482
278	PBW 629	6	North western plain zone	CHIL/ALD//JUP/COC/3/PVN/4/GEN/5/KAUZ/CHO//BUC
279	PBW 660	6	North western plain zone	WG-6761/WG-6798
280	Pusa 2338A	6	North western plain zone	CS CMS*8/UP2338
281	Raj 4083	6	Peninsular zone	PBW343/UP2442/WR258/UP2425
282	UAS 309	6	Peninsular zone	SITE/MO/4/NAC/TH.AC//3*PVN/3/MIRLO/BUC
283	UP 2691	6	North western plain zone	UP2377/HW1085
284	VL 738	6	Northern Hill zone	NS 12.07/LIRA "S"/VEE"S"
285	WL5634	6	North western plain zone	KAVKAZ-CNO-INIA/WL903
286	DBW 14	7	Northern hill zone	UP2338/ CENTURK
287	FLW-5	7	North eastern plain zone	RAJ3765/PBW343
288	GW 173	7	Central zone	TW275/7/7/10/LOKI
289	GW 366	7	Central zone	DL802-3/GW232
290	HD 2733	7	North eastern plain zone	ATTILA/3/TUI/CARC//CHEN/CHTO/4/ATTILA
291	HD 2864	7	Central zone	DL509-2/DL377-8
292	HD 2987	7	North western plain zone	HI1011/HD2348//MENDOS//IWP72/DL153-2
293	HD 30	7	North western plain zone	HD 2160-HD1977/HD 7949-HD 1944/HD2136
294	HD 4672	7	North western plain zone	BRED/PBW34//ALTAR 84
295	HD29	7	North western plain zone	HD 2160-HD1977/HD 7449-HD 1944/HD2136
296	HI 1544	7	Central zone	HINDI62/BOBWHITE/CPAN2099
297	HS 490	7	Northern hill zone	HS364/HPW114//HS240/HS346
298	HS 491	7	Northern Hill zone	SONALIKA/HPW89
299	HS 502	7	Northern HILL Zone	CNO 79/4/CS/TH.CN//CH.CEN/3/ALD/PVN/5/GISVZ

300	HW 2054	7	Southern hill zone	-
301	HW 5204	7	Southern hill zone	HW3018/HW2046
302	HW2031	7	Southern Hill zone	SONALIKA*8/CS2A/2M#4/2
303	KBRL10	7	North western plain zone	-
304	KBRL13	7	North western plain zone	-
305	KBRL22	7	North western plain zone	-
306	Lok 1	7	Central Zone	S308/S331
307	Lok 62	7	Peninsular zone	SHARBATISONARA/C306/LOK1//HS295
308	MACS 2971	7	Peninsular zone	KRT5*2/NP200
309	PBW 596	7	North western plain zone	PBW343/DHARWAD DRY//PBW343
310	PBW 610	7	North western plain zone	W 13334/IBWSN 92//PBW 496
311	Pusa 2046A/8	7	North western plain zone	CS CMS*6/HW2046
312	PWR4099	7	North western plain zone	Selection from CBHW CHN89-R4294OCHN S-2BV-97-(EC4141480)
313	RSP 561	7	North eastern plain zone	HD2637/Ae. crassa// HD2687
314	Sonalika	7	North western /eastern plain zone	II 54.388/AN/3/Y154/N10B/LR64
315	UAS 305	7	Peninsular zone	CMH84.3379/CMH78.578//MILAN/HD2189
316	UP 2744	7	North western plain zone	CPAN4073/HW1085
317	VL798	7	Northern hill zone	CPAN3004/CPAN1922/PBW65
318	WH 1046	7	North western plain zone	VEE/PJN//2*HUI/3/WH756
319	WL3093	7	North western plain zone	USA 251/WL223//WG377