

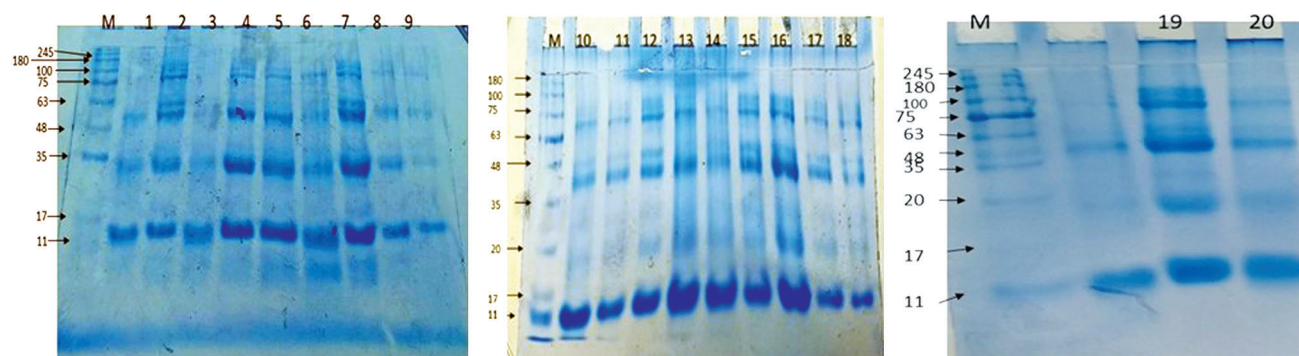
Supplementary Table 1 DNA quantification using UV spectrophotometer

BasmatiVarieties	A (260)	A (280)	A260/280 ratio	DNAconc. (µg/ml)
PunjabBasmati-5	0.073	0.039	1.87	3.65
CSR-30	0.042	0.023	1.82	2.1
PusaBasmati-1609	0.080	0.043	1.86	4
Basmati-386	0.280	0.148	1.89	9
Basmati-1612	0.220	0.119	1.87	6
TarawadiBasmati	0.011	0.006	1.83	0.55
HaryanaBasmati-1	0.070	0.038	1.84	3.5
PusaBasmati-1728	0.064	0.040	1.6	3.2
VallabhBasmati-21	0.080	0.044	1.81	4
UnnatPusaBasmati	0.101	0.057	1.77	5.05
PusaBasmati-1121	0.063	0.035	1.8	3.15
PunjabBasmati-3	0.011	0.006	1.8	0.55
PantSugandh-3	0.062	0.034	1.82	3.1
Malviya Basmati	0.030	0.016	1.87	1.5
VallabhBasmati-22	0.036	0.020	1.8	1.8
Basmati-370	0.030	0.016	1.87	1.5
PusaSugandh-3	0.082	0.045	1.82	4.1
PantBasmati-2	0.063	0.035	1.8	3.15
PusaBasmati-1	0.090	0.050	1.8	4.5
PunjabBasmati-4	0.100	0.054	1.85	5

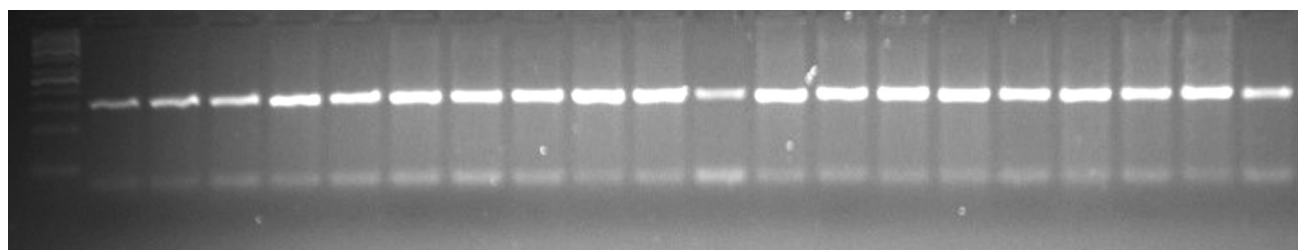
Supplementary Table 2 ANOVA for four characters of 20 genotypes in rice

Source of variation	DF	Plant height (cm)	Spike length	Number of tillers	Number of grains
Replication	2	23.952	0.788	2.771	127.1
Treatment	19	870.862**	9.895**	13.902**	14005.69**
Error	38	5.008	0.818	1.360	0.421

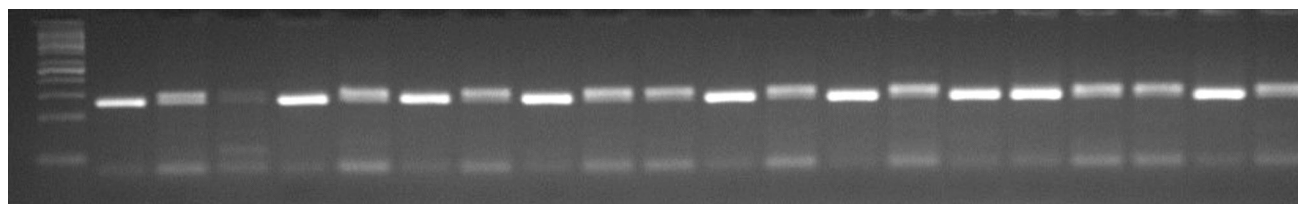
**significant at 1% level, respectively.



Supplementary Fig. 1 SDS-PAGE analysis of total seed proteins of 20 Basmati rice varieties.



Supplementary Fig. 2 Amplification pattern of targeted genomic region in 20 rice varieties obtained with RM-24 monomorphic representation.



Supplementary Fig. 3 Amplification pattern of targeted genomic region in twenty rice varieties obtained with RM-127 polymorphic representation.