

Supplementary Table 1 List of wheat genotypes used under this study

Genotypes	Pedigree	Origin
HI8713	HD-4672/PDW-233	IARI, Indore
DBW14	RAJ3765/PBW343	IWBR, Karnal
DBW90	HUW-468/WH-730	IWBR, Karnal
DBW93	WHEAR/TUKURU//WHEAR	IWBR, Karnal
HD2329	HD-2252/UP-262	IARI, New Delhi
HD2864	K7537/HD2160/HD2278//L24/K4.14	IARI, New Delhi
HD2888	STAMPALLI/C-306//DL-153-2/HW-2003	IARI, New Delhi
HD2932	KAUZ/STAR/HD 2643	IARI, New Delhi
HD2967	ALD/CUC//URES/HD2160/HD2278	IARI, New Delhi
HD2985	PBW 343/ PASTOR	IARI, New Delhi
HD3086	DBW14/HD2733//HUW468	IARI, New Delhi
HS375	BLUEBIRD/GALLO//CAJEME-71/3/TR.AE//KALYANSONA/BLUEBIRD	IARI, Tutikandi, Shimla
HS 490	HS-364/HPW-114//HS-240/HS-346	IARI, RRS, Shimla
HS507	KAUZ/MYNA/VULTURE//BUCKBUCK/FLICKER/4/MILAN	IARI, RRS, Shimla
HUW234	HUW-12*2/CPAN-1666//HUW-12	BHU, Varanasi
PBW 343	ND/VG1944//KAL//BB/3/YACO's/4/VEE5's'	PAU, Ludhiana
PBW644	PBW-175/HD-2643	PAU, Ludhiana
RAJ4083	PBW-343/UP-2442//WR-258/UP-2425	RAU, Durgapura
WH1021	NY0T95/SONAK	CCS HAU, Hisar
WH1080	PRL/2*PASTOR	CCS HAU, Hisar
WH1124	MUNIA/CHTO/AMSEL	CCS HAU, Hisar
WH147	E4870-C303/S339-PV18	CCS HAU, Hisar
DBW71	PRINIA/UP2425	IWBR, Karnal
WH1142	CHENAEGILOPSSQUARROSA (TA US)	CCS HAU, Hisar

	//FCT/3/2*WE AVER	
PBW723	PBW343+Lr57/Yr40+Lr37/Yr17	PAU, Ludhiana
HD4728	ALTAR84/STINT// SILVER 453/ SOMAT 3.1/4/ GREEN14/YAV10 /AUK	IARI, New Delhi
WB02	DICOCCON CI9309/AE. S Q U A R R O S A (4 0 9) / 3 / M I L A N / S 8 7 2 3 0 / / BAV92/4/2*MILAN/S8732 0//BA	IIWBR, Karnal
PBW757	PBW550/YR15/6*AVOCET/3/2*PBW550/4/ PBW568+YR36/3*PBW550	PAU, Ludhiana
HD3226	GRACKLE/HD2894	IARI, New Delhi
DBW303	WBLL1*2/BRAMBLING/4/BABAX/LR42//BABAX* 2/3/SHAMA*2/5/PBW343*2/ KUKUNA*2//FRTL/PIFED	IIWBR, Karnal

Supplementary Table 2 Result of principal component analysis based on grain yield of genotypes and STI

Component	PC1	PC2
Eigen value	8.10	1.88
Variance %	81.00	18.85
SSI	-0.34	0.15
MP	0.29	0.42
TOL	-0.31	0.33
STI	0.35	-0.15
GMP	0.32	0.30
YI	0.35	0.09
YSI	0.35	-0.15
PYR	-0.34	0.15
YS	0.35	0.10
YP	0.04	0.72

PC1, First principal component; PC2, Second principal component; SSI, Stress susceptibility index; MP, Mean Productivity; TOL, Stress tolerance; STI, Stress tolerance index; GMP,

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Geometric mean productivity; YI, Yield index; YSI, Yield stability index; PYR, Percent yield reduction; YS, Yield of genotypes under late sown condition; YP, Yield of genotypes under timely sown condition.