

Table S1. Monthly temperature data at the experimental location during the growing seasons.

Parameters <i>Months</i>	Temperature (°C)					
	Maximum		Minimum		Average	
	<i>S1</i>	<i>S2</i>	<i>S1</i>	<i>S2</i>	<i>S1</i>	<i>S2</i>
November	35.37	34.82	5.05	5.84	20.21	20.33
December	27.40	27.46	4.01	4.95	15.71	16.21
January	29.34	28.65	1.23	2.01	15.29	15.33
February	33.79	32.43	1.21	2.08	17.50	17.26
March	35.80	36.19	6.98	7.01	21.39	21.60
April	39.91	38.63	14.13	15.11	27.02	26.87

S1, Season 2019/2020; *S2*, Season 2020/2021.

Table S2. Names and pedigree of the 20 bread wheat genotypes (6 cultivars and 14 doubled haploid lines (DHLs)) used in this study.

Name	Pedigree
Gemmeiza-9	Ald"s"/Huac//CMH74 .630/SxCGM 4583 -5GM- 1GM- OGM
Gemmeiza-12	OTUS/3/SARA/THB//VEEMSS97Y00227S-5y-010M-010Y-010M-2Y-1M-0Y-OGM
Sakha-93	Sakha 92/TR810328 S8871-IS-2S-IS-0S
Misir1	OASSIS / SKAUZ//4*BCN/3/2*PATOR CMSS00Y01881T-050M-030Y-030M-030WGY-33M-0Y-0S
Pavone-76	Vcm//Cno/7C/3/Kal/Bb
KSU106	Barouk/R1474-75-3-53-3-3
DHLs (23,25)	Derived from the cross (Line-115 × Gemmeiza-7) (El-Hennawy et al. 2011)
DHLs (5,7,8,11)	Derived from the cross (Line-115 × Giza-164) (El-Hennawy et al. 2011)
DHLs (12,14,15,26,29)	Derived from the cross (Gemmeiza-7× Giza-164) (El-Hennawy et al. 2011)
DHLs (1,2, 6)	Derived from the cross (Giza-164× Giza-168) (El-Hennawy et al. 2011)