

Table S2. Details of check varieties used in this study

Origin of the germplasm	Number of Accessions	Name of variety / cultivar
Afghan modern cultivars	11	Bakhtawar, Lalmi 2, Rana 96, Darulaman 7, Ariana 07, Chonti, Herat 99, Mazar 99, Parva 2, Kabul 2000, Solh 02
CIMMYT varieties	4	Pavon, Roelf, Cappelle, Avocets, Morocco
Land races from Pakistan	5	NBRP39, NBRP40, NBRP41, NBRP60 and NBRP61
Land races from Iran	17	NBRP47, NBRP48, NBRP49, NBRP50, NBRP51, NBRP52, NBRP53, NBRP54, NBRP55, NBRP56, NBRP57, NBRP58, NBRP59, NBRP103, NBRP105, NBRP106 and NBRP107
Japanese cultivars	4	Fukuho, Norin 61, Norin 10 and Nobeokabouzo-komugi
Others	6	Chinese spring, Sumai 3, Synthetic wheat line (ABD4), <i>Aegilops tauschii</i> , Kharkov

NBRP stands for National Bio-Resource Project, Japan