



Supplementary Fig 1 Weather data for 2021–22 during the growing period of wheat. The maximum and minimum mean temperature was recorded as 25.70°C and 10.60°C, respectively.

Gene name	Primer sequence (5' to 3')
<i>TaActin</i>	F: TCGGTGAAGGGGACTTACAAAGG R: CGTACCACACAATGTCGCTTAGG
<i>TaNCED3</i>	F: CGTTCGTCACCTACTTCAG R: GGGTTCATCACGATCTGTATC
<i>TaAAO3</i>	F: CGACCTTGTGTATGACTGTG R: TACGCTCGGGATCTTGTAG
<i>TaABA8'OH1</i>	F: CGTGGATGGTCAAGTTCC R: AGGTGAAGGAGAGGATGG
<i>TaP5CS1</i>	F: ACAGAGATAAAGTAGCAGAGAC R: AGACCTTCAACACCCACAG
<i>TaP5CS2</i>	F: GATTCTCCGATGGTGCTCGT R: TTCAACACCCACAGGTCCAC
<i>TaP5CR</i>	F: TAAATGCCGTTGTTGCTGCC R: AGCAAAACTAACAATGGCTACCAG

Supplementary Fig 2 Details of primer sequence for candidate genes.