

**Table S4 Gene-specific primers for *Rht-dp* candidate genes in DPW and TPW**

<b>Number</b>	<b>Primer Name</b>	<b>Forward Primer</b>	<b>Reverse Primer</b>
1	<i>DELLA protein</i>	CGATGCCGTCTACA ACTACT	CAACTCCTAGATCGGGAAACTT
2	<i>DELLA protein-QDZ1</i>	AGTCACTCAAGCGGATATGC	CACCATCATCTTGTCTCGG
3	<i>DELLA protein-QDZ1</i>	CGGTTCTCTTCTTGACTCG	GCATATCCGCTTGAGTGACT
4	<i>TB1-1</i>	GGTGTTTGAAATCATCATTCTTA	AAGGCAGCTTGAAGAATTAG
5	<i>TB1-2</i>	GGAGAGTATCACATCCAATATTCTA	CTCGATCAATGCTTGTAGTATATG
6	<i>TB1-QDZ</i>	GCCTAAACCCATCCATAATC	GGGAATCATAGAAAGGAAACAT
7	<i>Zinc Finger Protein-1</i>	TTCGCCTTCAACTAACATTAGAGA	GGGGCAGACCGTAACAAA
8	<i>Zinc Finger Protein-2</i>	TCGGCGGTGTCAACTTTG	GCCAATGTGCTATGTAAGCAATG
9	<i>Zinc Finger Protein-3</i>	GCTGTCTACAATACACTTGA	CCACTAATATAGAACAACATGAAGG
10	<i>Zinc Finger Protein-4</i>	CTCAGAATCAGTGTCGTTGC	ACTCCCTCCTCCCTATCC
11	<i>Zinc Finger Protein</i>	TCTGCTTCACGCTCCTCC	CCACCAACACCACCAGAATTG
12	<i>Zinc Finger Protein-QDZ</i>	CGAGGAGGAGCGTGAAGCAGAA	CCTGTCTGGCGGTGACTGTTT
13	<i>42800-NA</i>	GCAGGCCCTTAACAATGCTA	GTGACTAGTACTGGTACAACAGATG
14	<i>42800-QDZ</i>	GCTACTGTCAACCCGTA ACT	CCTTGTCTGGTTCGCTAGT
15	<i>EamA-like</i>	CGTCATCTACGGTAATACCTACTA	GCCCAATCTAAACCATTCTC
16	<i>EamA-like-1</i>	TTCCCCAAACACTTTCAGAC	ACAGCAGCATAATGGATATCG
17	<i>EamA-like-2</i>	GTAGCTATCAACAGTGATACTCTG	CAGGCATTGGATTATCTCTAGTC
18	<i>EamA-like-QDZ</i>	TGCTCTTTAAGTTTCGGTTCGTAAT	GGTGTGAATGTGGCGATGAG

\*Gene sequences were downloaded from wheat genome Refseq v1.0 (IWGSC 2018)