

**Supplemental Table S6** Oligonucleotides for qRT-PCR.

Isogene	Primer_fw	Primer_rev
<b>Wheat</b>		
<i>TaPAPhy_a1</i>	5'-ACAAGCACAACCTCGAGCAGG-3'	5'-CGATTCCCCTGTGGTGTGTTGA-3'
<i>TaPAPhy_a2</i>	5'-CGGGAATCGGGAGGTTAACT-3'	5'-CGCCCGATCTACTCCAGCA-3'
<i>TaPAPhy_b1</i>	5'-CAGCTTCAGCCACGGCATTCTTG-3'	5'-TCATTTCGTGTGCCATTTCCAG-3'
<i>TaPAPhy_b2</i>	5'-TACTGGAGGTGAAGAATGAGACGC-3'	5'-CTGCTTCCTGTCCCATTTCCAC-3'
<i>Ta_alpha2-tubulin</i>	5'-CCAACCTGGTGCCCT-3'	5'-GGGCATAGGAGGAAA-3'
<i>Ta_GAPDH</i>	5'-GCTCAAGGGTATCATGGGTTACG-3'	5'-GCAATTCAGCCTTAGCATCAAAG-3'
<b>Barley</b>		
<i>HvPAPhy_a</i>	5'-AGCTTGAGATTAACCTGTTCTACCAC-3'	5'-GTCTATAGTTGCCATTATTGCAC-3'
<i>HvPAPhy_b1</i>	5'-CATCCATTTTCATCATGCTCGCT-3'	5'-CATCTGTACTGGTCTCCTGATTTA-3'
<i>HvPAPhy_b2</i>	5'-TCTGTATCAAGGTGCTGTTGGG-3'	5'-AAATATGCTGCTATGCTCGAGC-3'
<i>HvPAP_c</i>	GCAGTTTCGCCACGGTATTT-3'	5'-CGGTGCCATGTCCACAAAGCATAT-3'
<i>Hv_GAPDH</i>	5'-GCTCAAGGGTATCATGGGTTACG-3'	5'-GCAATTCAGCCTTAGCATCAAAG-3'