

**Table S2 Primer sequences for qRT-PCR of genes underlying QTL *qPH-b\_13* and *qPH-b\_19-1*.**

Gene ID	Sequence of primer (5'-3')	Size(bp)
<i>Glyma.13G291700</i>	F:AGCTAGTGACTTGCAAACCTTG R:ATCCAAAGGAAACATCAGTGC	223
<i>Glyma.13G292500</i>	F:GGCTTCATCAGAACATCATCAC R:CAAGTTTGTGGTCAGTGATGAG	183
<i>Glyma.13G292600</i>	F:AATGGGTCACCTAAGGTTAGTG R:TTGAATCCTCCTCATCGATCTG	90
<i>Glyma.19G194100</i>	F:TCACACATTGTTCACTTTGTCC R:GAAGTTGGTTGAAAACCTGGGT	106
<i>Glyma.19G195200</i>	F:GAATGCAACAACGACAAGTTTG R:TGCTGAAAGTTCACTAAATCGC	271
<i>Gmactin11</i>	F:GGTGGTTCTATCTTGGCATC R:CTTTCGCTTCAATAACCCTA	246