

# Supplemental Information 1

## Description

List of major loci which affect plant height and heading date. For reduced height genes (e.g., *Rht*), wild type refers to the tall allele at the locus and dwarf refers to the dwarfing allele (e.g., *Rht-B1b*). For photoperiod genes (e.g., *Ppd*), photoperiod-sensitive means that the line has the allele which encodes response to day length and photoperiod-insensitive means the line has the allele which leads to a lack of response to day length. For vernalization genes (e.g., *Vrn*), long vernalization refers to the three-copy haplotype at the locus and short vernalization indicates the two-copy haplotype at the locus.

Gene	NC13-20076	GA06493-13LE6
Rht-B1	Wild Type	Wild Type
Rht-D1	Dwarf	Dwarf
Ppd-A1	Photoperiod Sensitive	Photoperiod Sensitive
Ppd-B1	Photoperiod Sensitive	Photoperiod Sensitive
Ppd-D1	Photoperiod Insensitive	Photoperiod Insensitive
Vrn-A1	Short Vernalization (2 Copies)	Long Vernalization
Vrn-B1	Long Vernalization	Long Vernalization
Vrn-D1	Long Vernalization	Long Vernalization