Descriptions of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Primers used for gene mapping.

File Name: Supplementary Data 2

Description: Primers used for amplification of the predicted genes in the candidate

region.

File Name: Supplementary Data 3

Description: ANK domain sequences used for phylogenetic analysis.

File Name: Supplementary Data 4

Description: List of the 47 common wheat cultivars used for haplotype analysis of

TN1.

File Name: Supplementary Data 5

Description: List of differentially expressed genes (DEGs) in the shoot base of

YZ4110 and the *tn1* mutant.

File Name: Supplementary Data 6

Description: List of differentially expressed genes (DEGs) in the tiller bud of YZ4110

and the *tn1* mutant.

File Name: Supplementary Data 7

Description: List of Gene Ontology (GO) terms of differentially expressed genes

(DEGs) between YZ4110 and the *tn1* mutant.

File Name: Supplementary Data 8

Description: Primers used for TN1 cloning, vector construction, expression analysis,

and in situ hybridization.