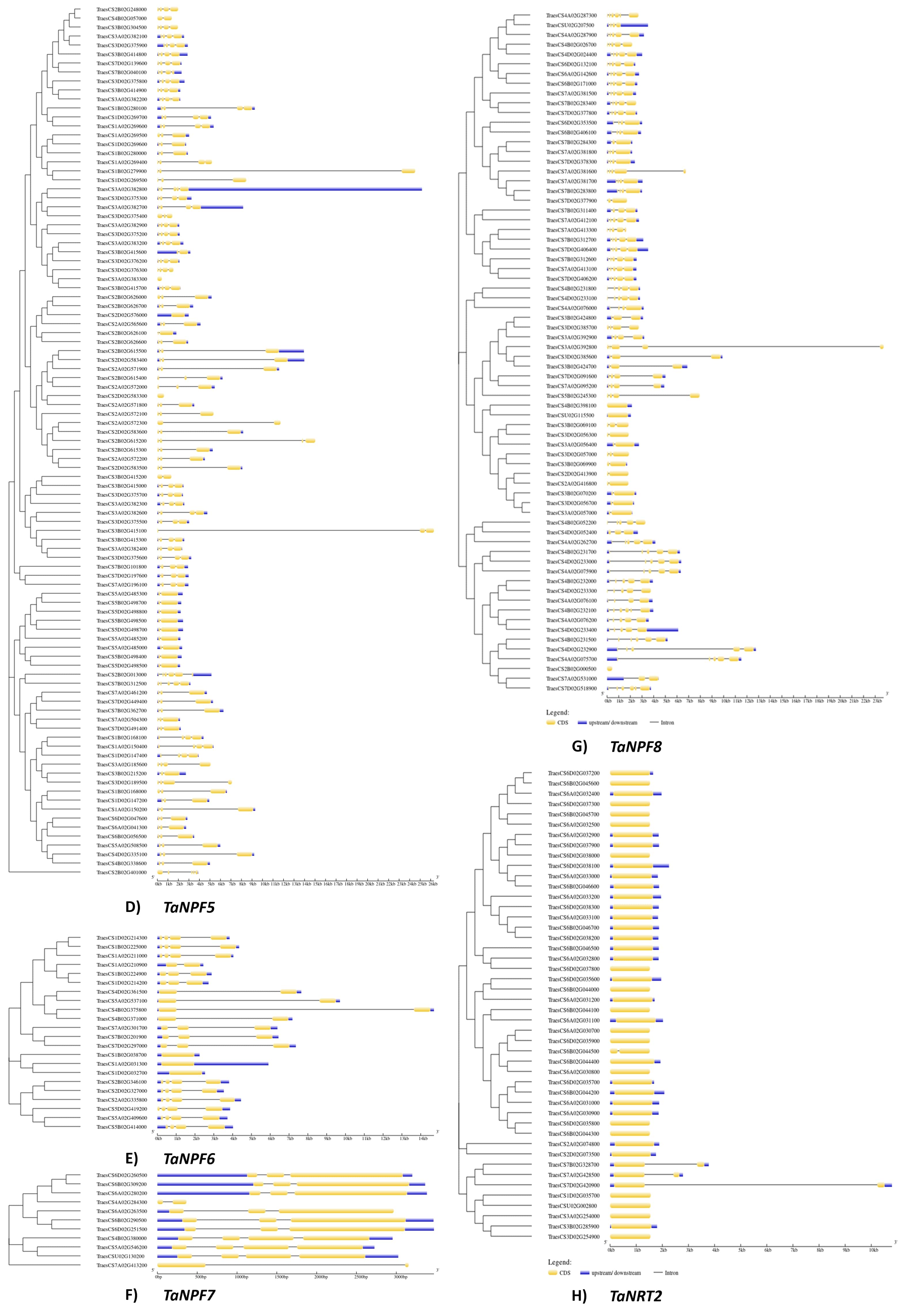
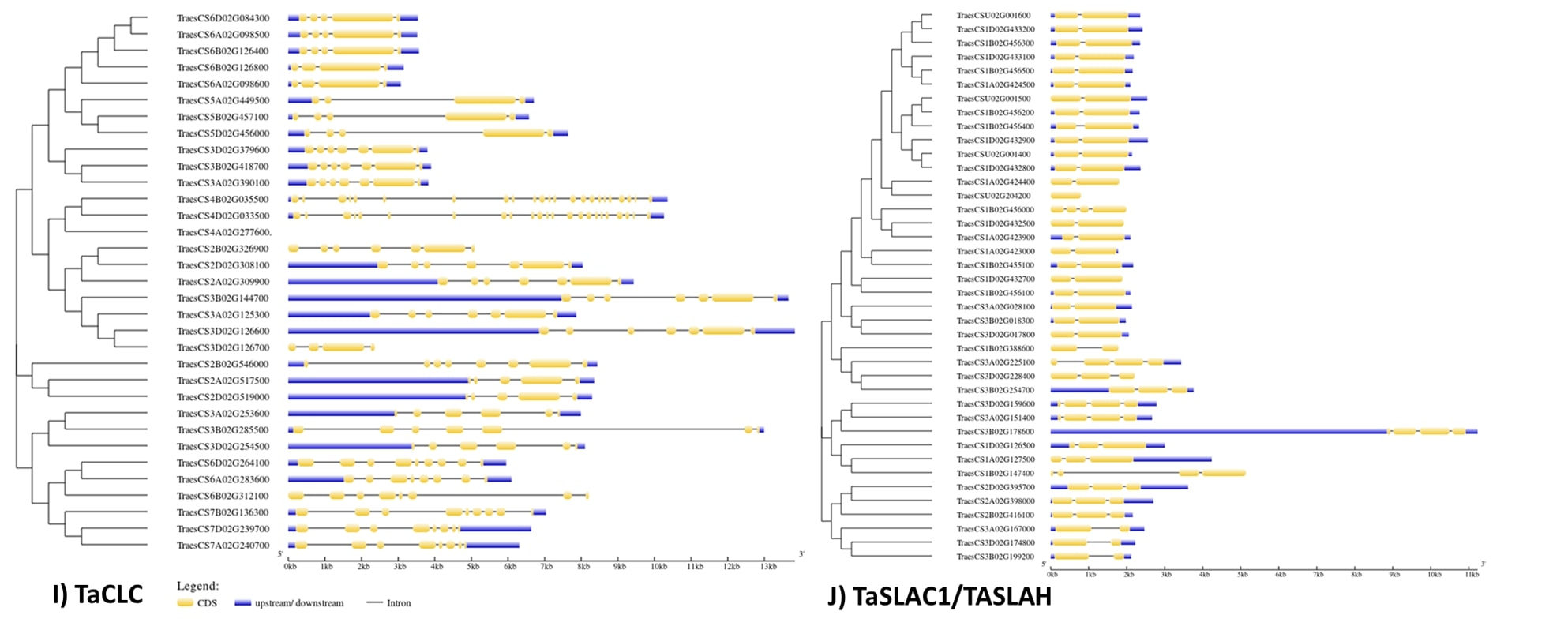


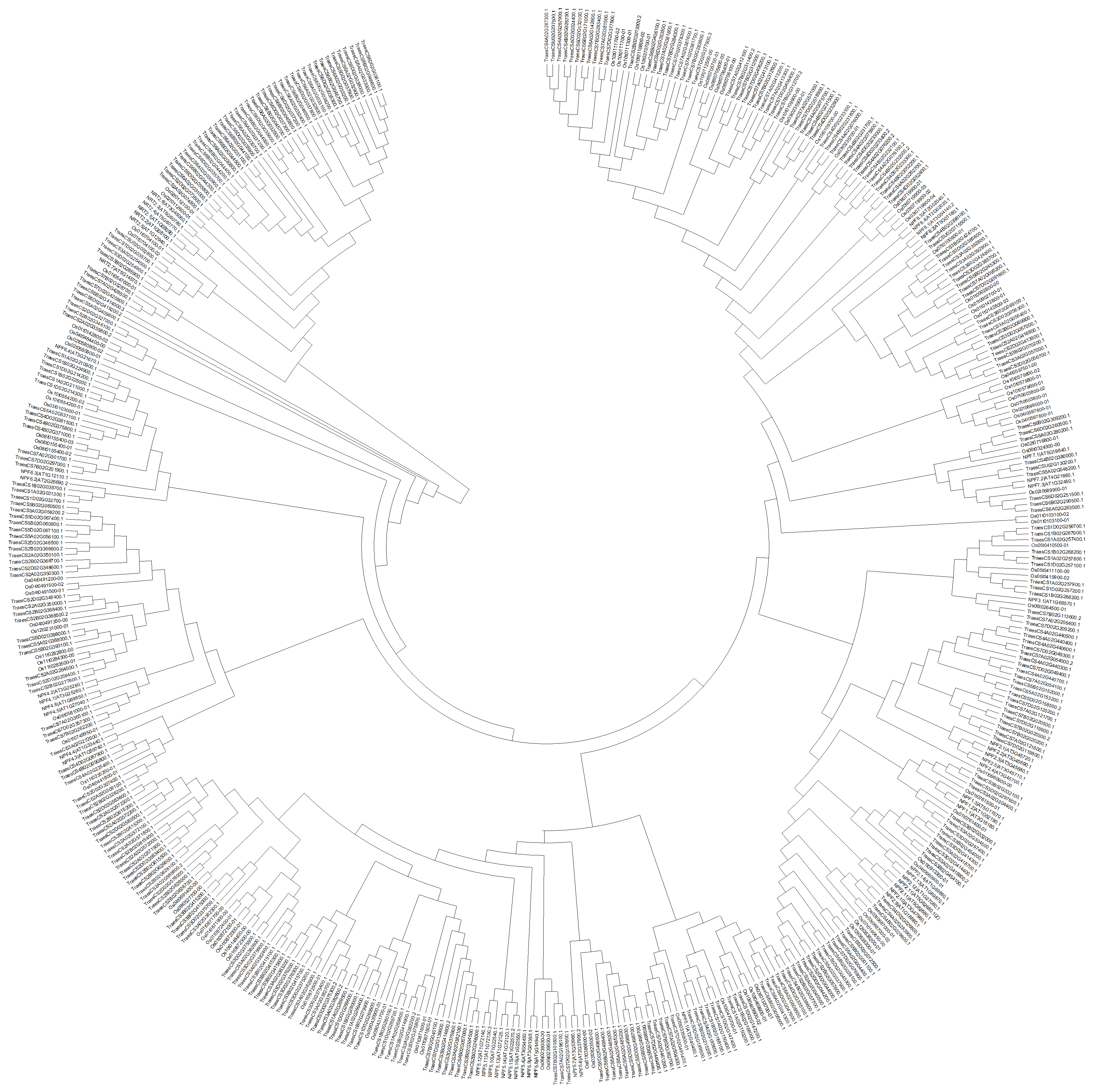
**Supplementary Figure S1a** Gene structures of nitrate transporter genes. **A-** *TaNPF1, TaNPF2,* **B-** *TaNPF3* **C**- *TaNPF4*



**Supplementary Figure S1b** Gene structures of nitrate transporter genes. **D-** *TaNPF5,* **E-** *TaNPF6* **F**- *TaNPF7,* **G-** *TaNPF8,*  **H-** *TaNRT2.*



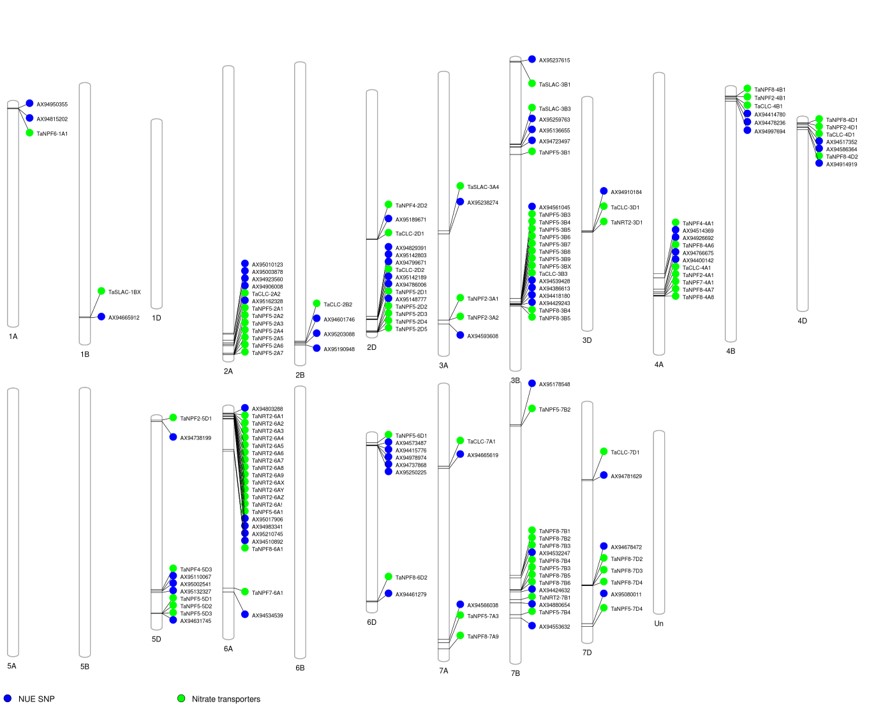
**Supplementary Figure S1c** Gene structures of nitrate transporter genes. **I**-*TaCLC*, **K**- *TaSLAC/TaSLAH.*



**Supplementary Figure S2** Phylogenetic relationship of wheat NPF and NRT2 genes with Arabidopsis and rice nitrate transporter genes



**Figure S3** Expression patterns of all nitrate transporter genes in developmental stages of Chinese spring and Azhurnaya



**Figure S4** Proximity of nitrogen use efficiency (NUE) linked SNPs to nitrate transporters detected in this study