

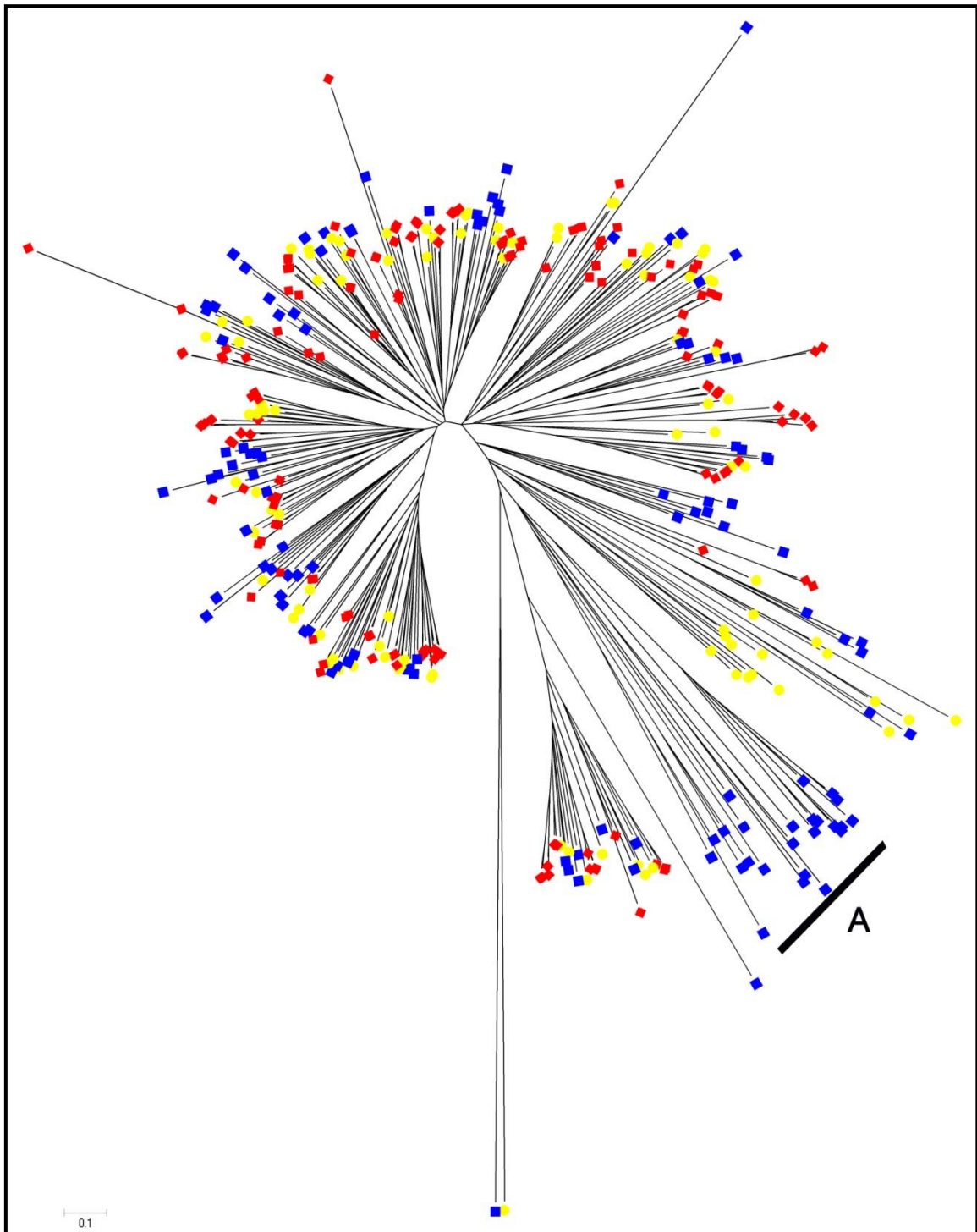
Table with columns for protein IDs (e.g., G1yaa0100880), sequence motifs (e.g., MRSKINSLNVS...), and numerical values (e.g., 102, 63, 56). The table lists numerous entries with varying sequence lengths and associated values.

Table with 3 columns: Gene ID (e.g., G1yma0100880), Protein Name (e.g., VTRDGLSRHRPSPAATCRRRRIQNECDLGGGEPRHRK), and Accession Number (e.g., 196). The table lists numerous protein entries with their corresponding amino acid sequences and identifiers.

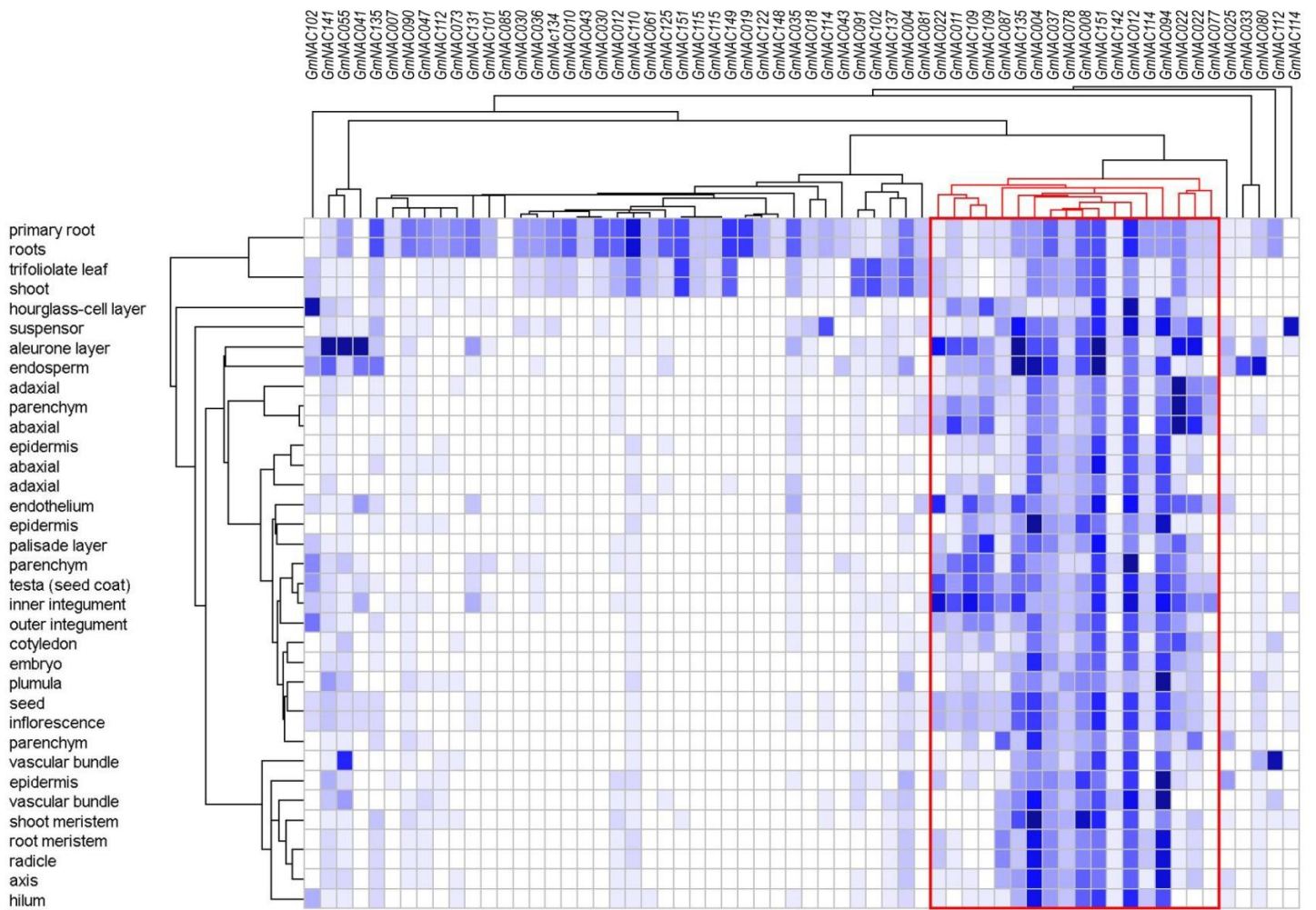
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Glyma01g02510 : ---D... : 262
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Glyma02g07700 : ---T... : 213
Glyma02g07760 : ---A... : 213
Glyma02g11140 : ---D... : 285
Glyma02g11900 : ---P... : 262
Glyma02g12220 : ---G... : 191
Glyma02g2460 : ---H... : 191
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Glyma02g40750 : ---G... : 256
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Glyma04g03320 : ---H... : 273
Glyma04g13660 : ---L... : 238
Glyma04g33270 : ---K... : 220
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Glyma04g39140 : ---V... : 229
Glyma04g40450 : ---G... : 273
Glyma04g42800 : ---N... : 196
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Glyma05g04250 : ---Q... : 233
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Glyma05g23840 : ---C... : 262
Glyma05g24310 : ---G... : 262
Glyma05g32470 : ---I... : 237
Glyma05g32590 : ---R... : 163
Glyma05g3350 : ---T... : 194
Glyma05g3580 : ---S... : 273
Glyma05g36030 : ---E... : 239
Glyma05g38380 : ---V... : 180
Glyma06g0440 : ---S... : 238
Glyma06g11970 : ---N... : 196
Glyma06g14290 : ---G... : 268
Glyma06g15840 : ---V... : 229
Glyma06g15990 : ---S... : 161
Glyma06g16440 : ---N... : 185
Glyma06g17480 : ---Y... : 180
Glyma06g21020 : ---K... : 236
Glyma06g35660 : ---A... : 262
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Glyma07g05660 : ---G... : 257
Glyma07g35630 : ---G... : 193
Glyma07g40140 : ---K... : 265
Glyma08g01280 : ---V... : 265
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Glyma08g04610 : ---K... : 220
Glyma08g08010 : ---K... : 158
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Glyma08g19300 : ---K... : 264
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ANAC05 : ---T... : 194
ANAC07 : ---S... : 210

Table with protein identifiers (e.g., Glyma01g00880, Glyma01g05680, Glyma01g06150, Glyma01g22510, Glyma01g37310, Glyma02g07700, Glyma02g07760, Glyma02g11140, Glyma02g11900, Glyma02g12220, Glyma02g26480, Glyma02g39710, Glyma02g40750, Glyma03g35570, Glyma04g08320, Glyma04g13660, Glyma04g33270, Glyma04g38560, Glyma04g38990, Glyma04g39140, Glyma04g40450, Glyma04g42800, Glyma05g00930, Glyma05g04250, Glyma05g09110, Glyma05g23840, Glyma05g24910, Glyma05g32470, Glyma05g32590, Glyma05g32850, Glyma05g35090, Glyma05g36030, Glyma05g38380, Glyma06g08440, Glyma06g11970, Glyma06g14290, Glyma06g15840, Glyma06g15990, Glyma06g16440, Glyma06g17480, Glyma06g21020, Glyma06g35660, Glyma06g38410, Glyma06g38440, Glyma06g47680, Glyma07g05360, Glyma07g05370, Glyma07g05660, Glyma07g10240, Glyma07g15180, Glyma07g32230, Glyma07g39630, Glyma07g40140, Glyma08g01280, Glyma08g03590, Glyma08g04610, Glyma08g08010, Glyma08g16630, Glyma08g17140, Glyma08g18050, Glyma08g18470, Glyma08g19300, Glyma08g41260, Glyma08g41990, Glyma08g47520, Glyma09g29760, Glyma09g31850, Glyma09g36600, Glyma09g36820, Glyma09g37050, Glyma10g04350, Glyma10g34130, Glyma10g36050, Glyma10g36360, Glyma11g03340, Glyma11g07990, Glyma11g10230, Glyma11g18770, Glyma11g39210, Glyma12g00760, Glyma12g02540, Glyma12g09970, Glyma12g19710, Glyma12g22790, Glyma12g22880, Glyma12g26190, Glyma12g29360, Glyma12g31150, Glyma12g31210, Glyma12g33460, Glyma12g34990, Glyma12g35000, Glyma12g35530, Glyma13g05350, Glyma13g09540, Glyma13g18620, Glyma13g24320, Glyma13g30800, Glyma13g31660, Glyma13g34950, Glyma13g35550, Glyma13g35560, Glyma13g39090, Glyma13g39160, Glyma13g40250, Glyma14g03440, Glyma14g09240, Glyma14g20340, Glyma14g24220, Glyma14g36840, Glyma14g39080, Glyma15g05690, Glyma15g07620, Glyma15g08480, Glyma15g40510, Glyma15g40950, Glyma15g41830, Glyma15g42050, Glyma16g01900, Glyma16g01930, Glyma16g01940, Glyma16g02200, Glyma16g04720, Glyma16g04740, Glyma16g05620, Glyma16g24200, Glyma16g26740, Glyma16g26810, Glyma16g34310, Glyma17g00650, Glyma17g10970, Glyma17g14700, Glyma17g16500, Glyma17g23740, Glyma17g35930, Glyma18g05020, Glyma18g13570, Glyma18g19020, Glyma18g49620, Glyma19g02580, Glyma19g02850, Glyma19g08510, Glyma19g26950, Glyma19g28520, Glyma19g36420, Glyma19g44890, Glyma19g44910, Glyma20g04440, Glyma20g31210, Glyma20g32690, Glyma20g33390, Glyma20g33430, ANACO19, ANACO55, ANACO72

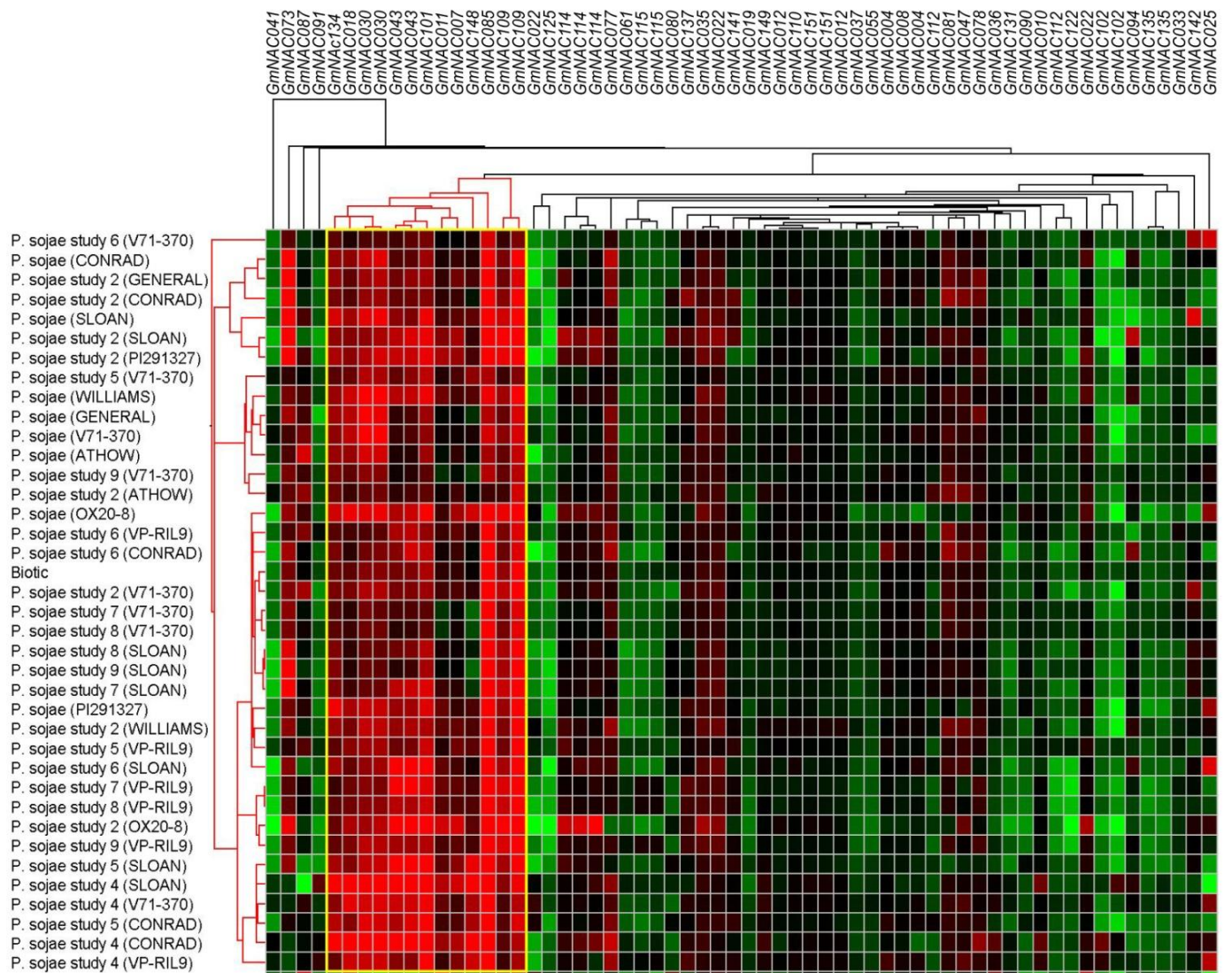
Supplementary Figure S1. Identification of conserved NAC subdomains and putative nuclear localization signal in 152 identified GmNAC TFs by sequence analysis. Multiple alignment of 152 GmNACs and three representative ANACs. The consensus NAC subdomains (A-E) are indicated by lines above the sequences. The putative nuclear localization signal is shown by a double-headed arrow below the sequence. NAC-like proteins lacking A and B subdomains and C and D subdomains are indicated by red-colored and green-colored lines, respectively, under the name of the proteins. NAC proteins lacking the conserved nuclear localization signal are indicated by red-colored asterisks next to the name of the proteins.



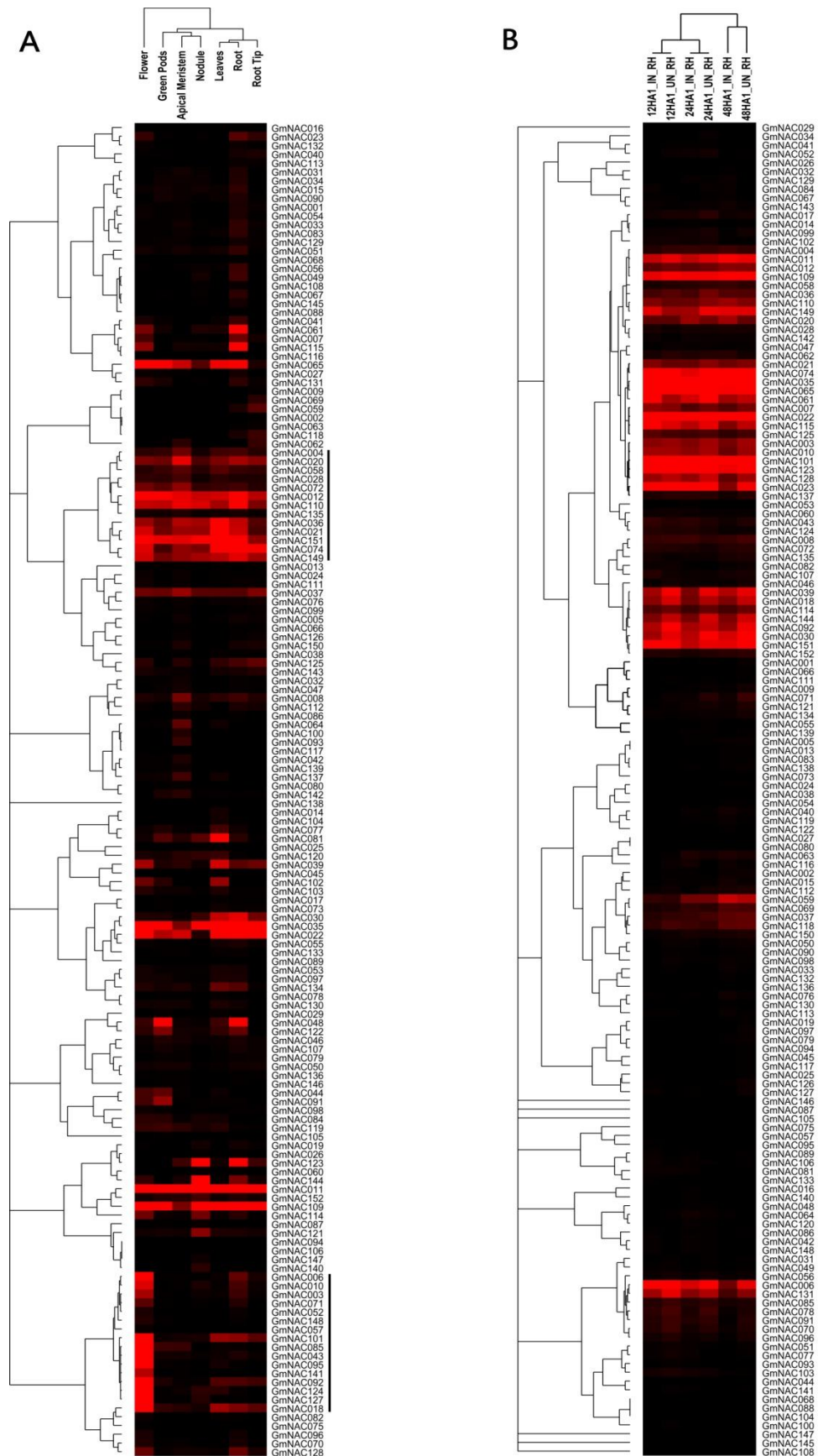
Supplementary Figure S2. Phylogenetic relationship of NAC proteins from *Arabidopsis* (yellow), rice (blue) and soybean (red). The unrooted phylogenetic tree was constructed using the full ORFs of NAC proteins. “A” indicates the unique subgroup of ONACs of rice.



Supplementary Figure S3. Heat map representation for tissue-specific expression of 48 *GmNAC* genes in soybean. Expression patterns of the *GmNAC* genes were analyzed using expression data housed within Geninvestigator. Elevated expression levels are indicated by increasing intensities of blue color. A group of *GmNAC* genes that are ubiquitously expressed in the soybean tissues examined is boxed.



Supplementary Figure S4. Heat map representation for the expression of 48 *GmNAC* genes in soybean in response to *P. sojae* infection. Expression patterns of the *GmNAC* genes were analyzed by using expression data housed within Genvestigator. Elevated expression levels are indicated by increasing intensities of blue color. A group of *GmNAC* genes that are highly responsive to *P. sojae* infection in all of the examined conditions is boxed.



Supplementary Figure S5. Heat map representation for the expression of 152 *GmNAC* genes in soybean. Expression patterns of the *GmNAC* genes were analyzed using Illumina transcriptome data. The colors indicate expression intensity (red, high expression; green, low expression; grey, no expression). Lines shown next to the genes indicate clusters of genes which exhibit similar expression patterns. (A) Heat map representation for the expression of 152 *GmNAC* genes in seven different soybean tissues. (B) Heat map representation for the expression of 152 *GmNAC* genes in soybean root hairs (RH) in response to *B. japonicum* inoculation.