Group I_N

```
AtWRKY33N  : EDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKVER-SLEGQITEIVYKGSHNHP
AhWRKY50N  : EDGYNWRKYGQKQVKGSENPRSYYKCT-H--PNCAMKKKVER-SLEGQITEIVYKGTHNHP
AhWRKY133N : EDGYNWRKYGQKQVKGSENPRSYYKCT-H--PNCAMKKKVER-SLEGQITEIVYKGTHNHP
AhWRKY56N  : DDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKVER-SLDGQITEIVYKGTHNHP
AhWRKY131N : DDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKVER-SLDGQITEIVYKGTHNHP
AhWRKY139N : DDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKVER-SLDGQITEIVYKGTHNHP
AhWRKY153N : DDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKVER-SLDGQITEIVYKGTHNHP
AhWRKY122N : DDGYNWRKYGQKQVKGSENPRSYYKCT-F--PNCPTKKKFER-SLDRQITEIVYKGTHNHP
AhWRKY48N  : -DGYNWRKYGQKQVKGSEYPRSYYKCT-H--PNCPVKKKVER-SFDGQIAEIVYKGEHNHP
AhWRKY130N : -DGYNWRKYGQKQVKGSEYPRSYYKCT-H--PNCPVKKKVER-SFDGQIAEIVYKGEHNHP
AhWRKY34N  : EDGYNWRKYGQKQVKGSEYPRSYYKCT-Q--PNCQVKKKVER-SHDGQITEIIYKGTHNH-
AhWRKY115N : EDGYNWRKYGQKQVKGSEYPRSYYKCT-Q--PNCQVKKKVER-SHDGQITEIIYKGTHNH-
AhWRKY42N  : EDGYNWRKYGQKQVKGSEYPRSYYKCT-H--PNCPVKMKVER-SHEGHITEIIYKGAHNHP
AhWRKY124N : EDGYNWRKYGQKQVKGSEYPRSYYKCT-H--PNCPVKKKVER-SHEGHITEIIYKGAHNHP
AhWRKY13   : EDGYNGRKYGQKQVKGSEYPRSYYKCT-H--SNCPVKDKVEQ-SHEGHITKIIYKGVHNYP
AhWRKY78N  : DDGYNWRKYGQKLVKGSEFPRSYYKCT-H--PNCEVKKLFER-SHDGQITEIIYKGTHDHP
AhWRKY136N : DDGYNWRKYGQKLVKGSEFPRSYYKCT-H--PNCEVKKLFER-SHDGQITEIIYKGTHDHP
AhWRKY53N  : DDGYNWRKYGQKLVKGSEFPRSYYKCT-H--PNCEVKKLFER-SHDGQITEIIYKGTHDHP
AhWRKY1N   : DDGYNWRKYGQKLVKGSEFPRSYYKCT-H--PNCEVKKLFER-SHDGQITEIIYKGTHDHP
AhWRKY52N  : KDGYNWRKYGQKNVKGNEFIRSYYKCT-H--PNCQAKKQLEQ-SNDGQITDSICIGQHNHP
AhWRKY135N : KDGYNWRKYGQKNVKGNEFIRSYYKCT-H--PNCQAKKQLEQ-SNDGQITDSICIGQHNHP
AhWRKY37N  : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--LNCPVKKKVER-APDGHITEIIYKGQHNHE
AhWRKY118N : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--LNCPVKKKVER-APDGHITEIIYKGQHNHE
AhWRKY77N  : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--LSCNVKKKVER-AIDGHITEIIYKGQHNHE
AhWRKY158N : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--LSCNVKKKVER-AIDGHITEIIYKGQHNHE
AhWRKY40N  : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--ASCPVKKKVER-SLNGHITAIIYKGEHNHQ
AhWRKY121N : DDGYNWRKYGQKQVKGSEFPRSYYKCT-H--ASCPVKKKVER-SLDGHITAIIYKGEHNHQ
AhWRKY14N  : NDGYNWRKYGEKRTKGGENPRSYYRCG-E--PNCTMKKKVGR-NLDGKIIAIMYKGNHNHP
AhWRKY91N  : -DGYNWRKYGEKRTKGGENPRSYYRCA-E--PNCTMKKKVGR-NLDGKIIAIMYKGNHNHP
AhWRKY4N   : -DGYSWRKYGQKQVKSPTGSRS YRCT-H--SECAAKKIECN-DDAGRVIDVVYKSQHSHD
AhWRKY84N  : -DGYSWRKYGQKQVKSPTGSRSYYRCT-H--SECSAKKIECN-DDVGRVIDVVYKSQHSHD
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Group I_C

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AtWRKY33C  : DDGYRWRKYGQKVVKGNPNPRSYYKCT-T--IGCPVRKHVERASHDMRAVITTYEGKHNHD
AhWRKY52C  : NDGYRWRKYGQKLVKGNANPRSYYRCS-S--PGCPVKKHVERASHDSKVVITTYEGQHDHE
AhWRKY135C : NDGYRWRKYGQKLVKGNANPRSYYRCS-S--PGCPVKKHVERASHDSKVVI TYEGQHDHE
AhWRKY4C   : -DGYRWRKYGQKMVKGNPHPRNYYRCT-S--AGCPVRKHIETAVDNSNAVIITYKGVHDHD
AhWRKY84C  : -DGYRWRKYGQKMVKGNPHPRN----------------------------------------
AhWRKY56C  : DDGYRWRKYGQKVVKGNPNPRSYYKCT-H--PGCPVRKHVERASHDLRAVITTYEGKHNHD
AhWRKY139C : DDGYRWRKYGQKVVKGNPNPRSYYKCT-H--PGCPVRKHVERASHDLRAVITTYEGKHNHD
AhWRKY78C  : DDGYRWRKYGQKVVRGNPNPRSYYKCT-N--AGCPVRKHVERASHDPKAVITTYEGKHNHD
AhWRKY136C : DDGYRWRKYGQKVVRGNPNPRSYYKCT-N--AGCPVRKHVERASHDPKAVITTYEGKHNHD
AhWRKY1C   : DDGYRWRKYGQKVVRGNPNPRSYYKCT-N--AGCPVRKHVERASHDPKAVITTYEGKHNHD
AhWRKY53C  : DDGYRWRKYGQKVVRGNPNPRSYYKCT-N--AGCPVRKHVERASHDPKAVITTYEGKHNHD
AhWRKY42C  : DDGYRWRKYGQKVVKGNPNPRSYYKCT-N--AGCTVRKHVERESHDLKSVITTYEGKHNHD
AhWRKY124C : DDGYRWRKYGQKVVKGNPNPRSYYKCT-N--AGCTVRKHVERASHDLKSVITTYEGKHNHD
AhWRKY34C  : DDGYRWRKYGQKVVKGNPNPRSYYKCT-S--AGCPVRKHVERASHNTKYVITTYEGKHNHE
AhWRKY115C : DDGYRWRKYGQKVVKGNPNPRSYYKCT-S--AGCPVRKHVERASHNTKYVITTYEGKHNHE
AhWRKY14C  : DDGYRWRKYGQKVVKGNPNPRNYYKCV-S--PGCNVKKHVERAADDIKSVMTTYEGKHNHD
AhWRKY91C  : DDGYKWRKYGQKVVKGNPNPRNYYKCV-S--PGCNVKKHVERAADDIKSVMTTYEGKHNHD
AhWRKY122C : DDGYRWRKYGQKVVKGNPNPR----------------------------------------
AhWRKY93   : DDGYGWRKYGQKVVKGNPNARSYYKCT-A--PGCSVRKHVERAATDIKSVITTYEGKHNHD
AhWRKY92   : DDGYGWRKYGQKVVKGNPNARSYYKCT-A--PGCSVRKHVERAATDIKSVITTYEGKHNHD
AhWRKY50C  : DDGYRWRKYGQKVVKGNPNARSYYKCT-A--PGCSVRKHVERAATDIKSVITTYEGKHNHD
AhWRKY133C : DDGYRWRKYGQKVVKGNPNARSYYKCT-A--PGCSVRKHVERAATDIKSVITTYEGKHNHD
AhWRKY5    : DDAYRWRKYGQKVVKGNPNARSYYKCT-A--PGCSVRKHVERAATNIKSVITTYEGKHNHD
AhWRKY131C : DDGYRWRKYGQKV----------------------------------------------
AhWRKY153C : DDGYRWRKYGQKVVKGNPNPSLTQLCH-H----------------------------------
AhWRKY37C  : DDGYRWRKYGQKVVKGNPHPRSYYKCT-S--AGCNVRKHVERASSDPKAVITTYEGKHNHD
AhWRKY118C : DDGYRWRKYGQKVVKGNPHPRSYYKCT-S--AGCNVRKHVERASSDPKAVITTYEGKHNHD
AhWRKY77C  : DDGYKWRKYGQKVVKGNPHPRSYYKCT-S--AGCNVRKHIERASMDPKAVITTYEGKHNHD
AhWRKY158C : DDGYKWRKYGQKVVKGNPHPRSYYKCT-S--AGCNVRKHIERASMDPKAVITTYEGKHNHD
AhWRKY40C  : DDGYRWRKYGQKVVKGNPYPRSYYKCT-T--PGCNVRKHVERASTDPKAVITTYEGKHNHD
AhWRKY121C : DDGYRWRKYGQKVVKGNPYPRSYYKCT-T--PGCNVRKHVERASTDPKAVITTYEGKHNHD
AhWRKY48C  : -DGFRWRKYGQKVVKGNPYPRSYYRCT-N--VKCNVRKHVERAIDDPRAFVTTYEGKHNHE
AhWRKY130C : -DGFHWRKYGQKVVKGNPYPRSYYRCT-N--VKCNVRKHVERAIDDPRAFVTTYEGKHNHE
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Group II a

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AtWRKY60   : KDGYQWRKYGQKITRDNPSPRAYFRCSFS--PSCLVKKKVQRSAEDPSFLVATYEGTHNHT
AhWRKY51   : MDGYQWRKYGQKVTRDNPSPRAYFRCSFA--PSCPVKKKVQRSVEDPTILVATYEGEHNHG
AhWRKY134  : MDGYQWRKYGQKVTRDNPSPRAYFRCSFA--P-------------- --TTYEGEHNHG
AhWRKY68   : KDGYQWRKYGQKVTRDNPSPRAYFKCSFA--PSCPVKKKVQRSVEDQSVLVATYEGEHNHP
AhWRKY148  : KDGYQWRKYGQKVTRDNPSPRAYFKCSFA--PSCPVKKKVQRSVEDQSVLVATYEGEHNHP
AhWRKY76   : RDGYQWRKYGQKVTRDNPSPRAYFRCSNA--PNCPVKKKVQRSAEDRRMLVATYEGEHNH-
AhWRKY157  : RDGYQWRKYGQKVTRDNPSPRAYFRCSNA--PNCPVKKKVQRSAEDRRMLVATYEGEHNHV
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Group II b

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AtWRKY47   : NDGCQWRKYGQKMAKGNPCPRAYYRCTMA--VGCPVRKQVQRCAEDTTILTTTYEGNHNHP
AhWRKY7    : SDGCQWRKYGQKMAKGNPCPRAYYRCTMA--VGCPVRKQVQRCAEDRTILITTYEGTHNHP
AhWRKY82   : SDGCQWRKYGQKMAKGNPCPRAYYRCTMA--VGCPVRKQVQRCAEDRTILITTYEGTHNHP
AhWRKY26   : SDGCQWRKYGQKMAKGNPCPRAYYRCTMA--VGCPVRKQVQRCAEDRTILVTTYEGTHSHP
AhWRKY108  : SDGCQWRKYGQKMAKGNPCPRAYYRCTMA--VGCPVRKQVQRCAEDRTILVTTYEGTHSHP
AhWRKY15   : TDGCQWRKYGQKMAKGNPCPRAYYRCTMA--SGCPVRKQVQRCAEDRTVLVTTYEGKHNHP
AhWRKY95   : TDGCQWRKYGQKMAKGNPCPRAYYRCTMA--SGCPVRKQVQRCAEDRTVLVTTYEGKHNHP
AhWRKY65   : TDGCQWRKYGQKMAKGNPCPRAYYRCTMA--AGCPVRKQVQRCAEDRTILVTTYEGNHNHP
AhWRKY44   : SDGCQWRKYGQKMAKGNPSPRAYYRCTMA--AGCPVRKQVQRCAEDSTVLITTYEGNHNHP
AhWRKY128  : SDGCQWRKYGQKMAKGNPSPRAYYRCTMA--AGCPVRKQVQRCAEDSTVLITTYEGNHNHP
AhWRKY54   : ADGCQWRKYGQKMAKGNPCPRAYYRCTMS--TGCPVRKQVQRCAEDRSVLITTYEGQHNHP
AhWRKY137  : ADGCQWRKYGQKMAKGNPCPRAYYRCTMS--T-------------------GQHNHP
AhWRKY9    : NDGCQWRKYGQKISKGNPCPRAYYRCTVA--PSCPVRKQVQRCAEDMSILITTYEGNHNHP
AhWRKY80   : NDGCQWRKYGQKISKGNPCPRAYYRCTVA--PSCPVRKQVQRCAEDMSILITTYEGNHNHP
AhWRKY36   : NDGCQWRKYGQKIAKGNPCPRAYYRCTVA--PACPVRKQVQRCAEDLSILITTYEGTHNHP
AhWRKY117  : NDGCQWRKYGQKIAKGNPCPRAYYRCTVA--PACPVRKQVQRCAEDLSILITTYEGTHNHP
AhWRKY22   : NDGCQWRKYGQKIAKGNPCPRAYYRCTVA--PGCPVRKQVQRCIDDMSILITTYEGTHNHP
AhWRKY104  : NDGCQWRKYGQKIAKGNPCPRAYYRCTVA--PGCPVRKQVQRCIDDMSILITTYEGTHNHP
AhWRKY70   : NDGCQWRKYGQKIAKGNPCPRAYYRCT------------VQRCLDDMSILITTYEGTHNHP
AhWRKY151  : NDGCQWRKYGQKIAKGNPCPRAYYRCTVA--PGCPVRKQVQRCLDDMSILITTYEGTHNHP
AhWRKY102  : NDGCQWRKYGQKIAKGNPCPRSYYRCTVS--SSCPVRKQVQRCAQDMSILITTYEGTHNHP
AhWRKY8    : VDGCQWRKYGQKTSKGNPCPRAYYRCSMG--QTCPVRKQVQRCAMDERVVITTYEGNHNHP
AhWRKY81   : VDGCQWRKYGQKTSKGNPCPRAYYRCSMG--QTCPVRKQVQRCAMDERVVITTYEGNHNHP
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Group II c

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AtWRKY48   : DDGYRWRKYGQKAVKNSPYPRSYYRCT-T--VGCGVKKRVERSSDDPSIVMTTYEGQHTHP
AhWRKY6    : DDGYRWRKYGQKAVKNSPYPRSYYRCT-T--SGCGVKKRVERSSDDPSIVVTTYEGQHTHP
AhWRKY83   : DDGYRWRKYGQKAVKNSPYPRSYYRCT-T--SGCGVKKRVERSSDDPSIVVTTYEGQHTHP
AhWRKY21   : EDGYRWRKYGQKAVKNSPFPRSYYRCT-N--NNCSVKKRVERSSEDPTIVITTYEGQHCHH
AhWRKY103  : EDGYRWRKYGQKAVKNSPFPRSYYRCT-N--NNCSVKKRVERSSEDPTIVITTYEGQHCHH
AhWRKY45   : EDGYRWRKYGQKAVKNSPFPRSYYRCT-S--GSCNVKKRVERSFTDPTIVVTTYEGQHTHP
AhWRKY127  : EDGYRWRKYGQKAVKNSPFPRSYYRCT-S--GSCNVKKRVERSFTDPTIVVTTYEGQHTHP
AhWRKY150  : EDGYRWRKYGQKAVKNSPFPRSYYRCT-S--ASCNVKKRVERSFTDPSVVVTTYEGQHIHP
AhWRKY24   : EDGYRWRKYGQKAVKNSPYPRSYYRCT-T--QKCSVKKRVERCYQDPTTVITTYEGQHNHP
AhWRKY106  : EDGYRWRKYGQKAVKNSPYPRSYYRCT-T--QKCSVKKRVERCYQDPTTVITTYEGQHNHP
AhWRKY55   : EDGYRWRKYGQKAVKNSPYPRSYYRCT-T--QKCNVKKRVERSYQDPSIVITTYEGQHNHH
AhWRKY138  : EDGYRWRKYGQKAVKNSPYP-----------------RSYQDPSIVITTYEGQHNHH
AhWRKY11   : DDGYRWRKYGQKSVKNSMYPRSYYRCT-H--HTCNVKKQVQRLSKDTSIVVTTYEGIHNHP
AhWRKY114  : DDGYRWRKYGQKAVKNSTYPRSYYRCT-H--HTCNVKKQVQRLSKDTSIVVTTYEGIHNHP
AhWRKY49   : DDGYRWRKYGQKAVKNNKFPRSYYRCT-H--QGCNVKKQVQRLTKDEGVVVTTYEGVHTHP
AhWRKY132  : DDGYRWRKYGQKAVKNNKFP-S----------------------------------------
AhWRKY99   : DDGYRWRKYGEKSVKNNKFPRSYYRCS-Y--RGCNVKKQIQRHSMDEQIVITTYEGVHIHP
AhWRKY20   : DDGYRWRKYGKKAVKNTPNLR----------------------------------------
AhWRKY101  : DDGYRWRKYGKKAVKNTPNLRNYYKCS-S--EGCGVKKRVERDRDDSSYVITTYEGIHNHA
AhWRKY74   : DDGFKWRKYGKKSVKNSPNPRNYYKCS-S--VGCGVKKRVERDAEDRSYVLTSYDGVHNHQ
AhWRKY155  : DDGFKWRKYGKKSVKNSPNPRNYYKCS-S--VGCGVKKRVERDAEDRSYVLTSYDGVHNHQ
AhWRKY64   : DDGYRWRKYGKKMVKNSPNPRNYYRCT-V--DGCPVKKRVERDREDPTYVITTYEGNHTH-
AhWRKY142  : DDGYRWRKYGKKMVKNSPNPRNYYRCT-V--DGCRVKKRVERDREDPTYVITTYEGNHTH-
AhWRKY28   : EDGYRWRKYGRKTVRNSPYPRNYYRCT-T--IGCNVKKRVERWLDDPTHVLTTYEGLHLHA
AhWRKY110  : EDGYKWRKYGRKTVRNSPYPRNYYRCT-A--IGCNVKKRVERWLDDPTHVLTTYEGLHLHG
AhWRKY29   : RYGYKWRKYGKKTVRNSPYPRNYYHCT-A--IGCNVKRRVERWLDDPTHVLTTYEGLHLHD
AhWRKY90   : EDGYKWHKYGKKSLKKSPFP------S-A--IGCNAKKRVERYMDDPTHVLTTYVGLHAHN
AhWRKY89   : EDGYKWRKYDKKSFKKSPFLRSYYRCT-A--IGCNAKKRMERYVDDPTHVLTTYVGLHAHD
AhWRKY31   : EDGYKWRKYGKKSLKKSPFQRNYYRCT-T--IGCNAKKRVERCLNDPTYALTTYEGFHTHD
AhWRKY19   : DDGYKWRKYGQKVVKNTQHPRSYYRCT-Q--DNCRVKKRVERLAEDPRMVITTYEGRHAH-
AhWRKY100  : DDGYKWRKYGQKVVKNTQHPRSYYRCT-Q--DNCRVKKRVERLAEDPRMVITTYEGRHAH-
AhWRKY75   : DDGYKWRKYGQKVVKNTQHPRSYYHCT-E--EKCRVKKRVERLAEDPRMVITTYEGRHVH-
AhWRKY156  : DDGYKWRKYGQKVVKNTQHPRSYYRCT-E--EKCRVKKRVERLAEDPRMVITTYEGRHVH-
AhWRKY35   : DDGYKWRKYGQKVVKNSLHPRSYYRCT-H--SNCRVKKRVERLSEDCRMVITTYEGRHNH-
AhWRKY116  : DDGYKWRKYGQKVVKNSLHPRSYYRCT-H--SNCRVKKRVERLSEDCRMVITTYEGRHNH-
AhWRKY69   : DDGYKWRKYGQKVVKNSLHPRSYYRCT-H--NNCRVKKRVERLSEDCRMVITTYEGRHNH-
AhWRKY149  : DDGYKWRKYGQKVVKNSLHPRSYYRCT-H--NNCRVKKRVERLSEDCRMVITTYEGRHNH-
AhWRKY30   : DDGYKWRKYGQKSIKNSPNPRSYYRCT-N--PRCSAKKQVERSNEDPDTLIITYEGLHLHF
AhWRKY111  : DDGYKWRKYGQKSIKNSPNPRSYYRCT-N--PRCSAKKQVERSNEDPDTLIITYEGLHLHF
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Group II d

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AtWRKY11   : PDEYSWRKYGQKPIKGSPHPRGYYKCSTF--RGCPARKHVERALDDPAMLIVTYEGEHRH-
AhWRKY16   : PDEFSWRKYGQKPIKGSPYPRGYYKCSTV--RGCPARKHVERAQDDPKMLIVTYEGEHRHN
AhWRKY96   : PDEFSWRKYGQKPIKGSPYPRGYYKCSTV--RGCPARKHVERAQDDPKMLIVTYEGEHRHN
AhWRKY67   : ADEYSWRKYGQKPIKGSPYPRGYYKCSTV--RGCPARKHVERAPDDPSMLIVTYEGEHRH-
AhWRKY147  : ADEYSWRKYGQKPIKGSPYPRGYYKCSTV--RGCPARKHVERAPDDPSMLIVTYEGEHRHS
AhWRKY2    : PDDYSWRKYGQKPIKGSPHPRGYYKCSSV--RGCPARKHVERALDDPSMLVVTYEGEHNH-
AhWRKY79   : PDDYSWRKYGQKPIKGSPHPRGYYKCSSV--RGCPARKHVERALDDPSMLVVTYEGEHNH-
AhWRKY12   : PDDYSWRKYGQKPIKGSPHPRGYYKCSSM--RGCPARKHVERCLEEPTMLIVTYEGEHNHP
AhWRKY94   : PDDYSWRKYGQKPIKGSPHPRGYYKCSSM--RGCPARKHVERCLEEPTMLIVTYEGEHNHP
AhWRKY47   : PDDYSWRKYGQKPIKGSPHPRGYYKCSSM--RGCPARKHVERCLEEPSMLIVTYEGEHNHP
AhWRKY125  : PDDYSWRKYGQKPIKGSPHPRGYYKCSSM--RGCPARKHVERCLEEPSMLIVTYEGEHNHP
AhWRKY3    : GDEYSWRKYGQKPIKGSPYPRSYYKCSSV--RGCPARKHVERAQDDPNTLIVTYEGDHRH-
AhWRKY85   : TDEYSWRKYGQKPIKGSPYPRSYYRCSSV--RGCPARKHVERAQDDPNTLIVTYEGDHRHT
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Group II e

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AtWRKY22   : -DVWAWRKYGQKPIKGSPYPRGYYRCSTS--KGCLARKQVERNRSDPKMFIVTYTAEHNHP
AhWRKY33   : -DIWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCLARKQVERNRTDPTMFIVTYTAEHNHP
AhWRKY113  : -DIWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCLARKQVERNRTDPTMFIVTYTAEHNHP
AhWRKY10   : SDVWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCLARKQVERDRSDPTKFIVTFTGVHNHP
AhWRKY86   : SDVWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCLARKQVERDRSDPTKFIVTFTGVHNHP
AhWRKY18   : CDAWAWRKYGQKPIKGSPYPRSYYRCSSS--KGCLARKQVERNHLDPTIFLVTYTAEHNHP
AhWRKY98   : CDAWAWRKYGQKPIKGSPYPRSYYRCSSS--KGCVARKQVERNHLDPTIFLVTYTAEHNHP
AhWRKY39   : SDGWAWRKYGQKPIKGSEYPRSYYRCSSC--KGCLARKQVERSHSDPQVFIVTYTAEHTH-
AhWRKY119  : -DGWAWRKYGQKPIKGSEYPRSYYRCSSC--KGCLARKQVERSHSDPQVFIVTYTAEHTH-
AhWRKY41   : SDLWAWRKYGQKPIKGSPYPRNYYRCSSC--KGCVARKQVERSLSDPTMFVVTYTGEHKHA
AhWRKY123  : SDLWAWRKYGQKPIKGSPYPRNYYRCSSC--KGCVARKQVERSLSDPTMFVVTYTGEHKHA
AhWRKY23   : SDLWAWRKYGQKPIKGSPYPRGYYRCSST--KGCPARKQVERSRTDPNMLVITYTSEHNHS
AhWRKY105  : SDLWAWRKYGQKPIKGSPYPRGYYRCSST--KGCPARKQVERSRTDPNMLVITYTSEHNHS
AhWRKY27   : SDLWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCSARKQVERSRTDPNMLVITYTSEHNHP
AhWRKY109  : SDLWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCSARKQVERSRTDPNMLVITYTSEHNHP
AhWRKY25   : SDSWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCPARKQVERSRVDPTMLVVTYSCEHNHP
AhWRKY107  : SDSWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCPARKQVERSRVDPTMLV TYSCEHNHP
AhWRKY66   : SDSWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCPARKQVERSRVYPTKLIVTYNYEHNHS
AhWRKY143  : SDSWAWRKYGQKPIKGSPYPRGYYRCSSS--KGCPARKQVERSRVDPTKLIVTYNYEHNHS
AhWRKY46   : SDFWSWRKYGQKPIKGSPYPRGYYRCSTS--KGCSAKKQVERCRTDASMIIITYTSTHNHP
AhWRKY126  : SDFWSWRKYGQKPIKGSPYPRGYYRCSTS--KGCSAKKQVERCRTDASMLIITYTSTHNHP
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Group III

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AtWRKY55   : DDNHTWRKYGQKEILGSRFPRAYYRCTHQKLYNCPAKKQVQRLNDDPFTFRVTYRGSHTCY
AhWRKY57   : EDGFTWRKYGQKEILGSKYQRSYYRCTHQKQYGCPAKKQVQKIDNNPNIFEVTYVGDHTCH
AhWRKY141  : EDGFTWRKYGQKEILGSKYQRSYYRCTHQKQYGCPAKKQVQKIDNNPNIFEVTYVGDHTCH
AhWRKY17   : EDGYNWRKYGQKDILGAKYPRSYYRCTFRNTQGCWATKQVQRSDEDPTIFDITYKGRHTCS
AhWRKY97   : EDGYNWRKYGQKDILGAKYPRSYYRCTFRNTQGCWATKQVQRSDEDPTIFDITYKGRHTCS
AhWRKY43   : DDGYSWRKYGQKDILGAKFPRGYYRCTYRNVQGCLATKQVQRSDVDPTMIEVNYRGRHTCT
AhWRKY129  : DDGYSWRKYGQKDILRAKFPRGYYRCTYRNVQGCLATKQVQRSDVDPTMIEVNYRGRHTCT
AhWRKY63   : DDGYSWRKYGQKDILEATYPRGYYRCTHRNVQGCLATKQVQRSDEDPNMFEITYRGSHTCT
AhWRKY87   : -DGHSWRKYGQKDILGAKFPRGYFRCTHRHVQGCLATKQVQKSDEDPNVLEITYKGRHTCI
AhWRKY38   : EDGYSWRKYGQKDILGSKYPRSYYRCTFRNTKDCWATKQVQRSEDDPNIFEITYKGSHTCS
AhWRKY120  : EDGYSWRKYGQKDILGSKYPRSYYRCTFRNTKDCWATKQVQRSEDNPNIFEITYKGSHTCS
AhWRKY32   : DDGHQWRKYGQKVILNTKHPRNYYRCTHKYDQGCLATKQVQQVEDEPTLYKTTYYGNHTCR
AhWRKY112  : DDGHQWRKYGQKVILNTKHPRNYYRCTHKYDQGCLATKQVQQVEDEPTLYKTTYYGNHTCR
AhWRKY72   : DDGHTWRKYGQKALLNNKYPRNYYRCTHKYDQGCLATKHVQQIGEDPPLYKTVYSGQHTC-
AhWRKY152  : DDGHTWRKYGQKALLNNKYPRNYYRCTHKYDQGCMATKHVQQIGEDPPLYKTAYFGHHTC-
AhWRKY88   : EDGHQWRKYGQKAIQNEKYTRNYFRCTHKYEQGCRATKQVQRIQEKPPLYRATYHGRHTCT
AhWRKY60   : -DGLEWRKYGQKKTKDCRYIRSYYKCSYKNEEDCKAIKHVQRIQEDPPLYRTTYSGHHTCK
AhWRKY145  : -DGLEWRKYGQKKTKDCRYIRSYYKCSYKNEEDCKAIKRVQRIQEDPPLYRTTYYGHHTCK
AhWRKY59   : EDGHAWRKYGQKKTINSNYLRSYYKCSYKNEKDCKAIKHVQRIQEDPPLYRTTYYGHHTCK
AhWRKY146  : EDGHAWRKYGQKKTINSNYLRSYYKCSYKNEKDCKAIKHVQRIQEDPPLYRTTYYGHHTCK
AhWRKY61   : EDGHAWRKYGQKKTMNSKYLRNYYRCSHKHDEGCPAMKHVQRIQENPPLYRTTYYGHHTCK
AhWRKY144  : EDGHAWRKYGQKKTMNSKYLRNYYRCSHKCDEGCPAMKQVQRIQENPPLYRTTYYGHHTCK
AhWRKY62   : EDGHEWRKYGQKMTMNSKYLRNYYRCSHKNDQGCPATKKVQQIQDNPPLFRTSYYGHHICK
AhWRKY58   : DDNYTWRKYGQKQILSSIFPRSYFRCSRKYEEGCRAIKQVQKTQENPIMYQTTYTGMHTCK
AhWRKY140  : DDNYTWRKYGQKQILSSIFPRSYFRCSRKYEEGCRAIKQVQKTQENPVMYETTYTGMHTCK
AhWRKY73   : EDNLAWRKYGQKDILNSKFPRSYYRCTRKHDQGCKATKQVQRIQDNPVLYQITYIGRHTC-
AhWRKY154  : EDNLAWRKYGQKDILNSKFPRSYYRCTRKYDQGCKATKQVQRIQDNPVLYQITYIGRHTC-
AhWRKY71   : YDGYTWRKYGQKDILGTVHQRGYYRCNGR---GCPAKKRVQRIRDDPPLYRITYQGHHTCG
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