

Figure S16

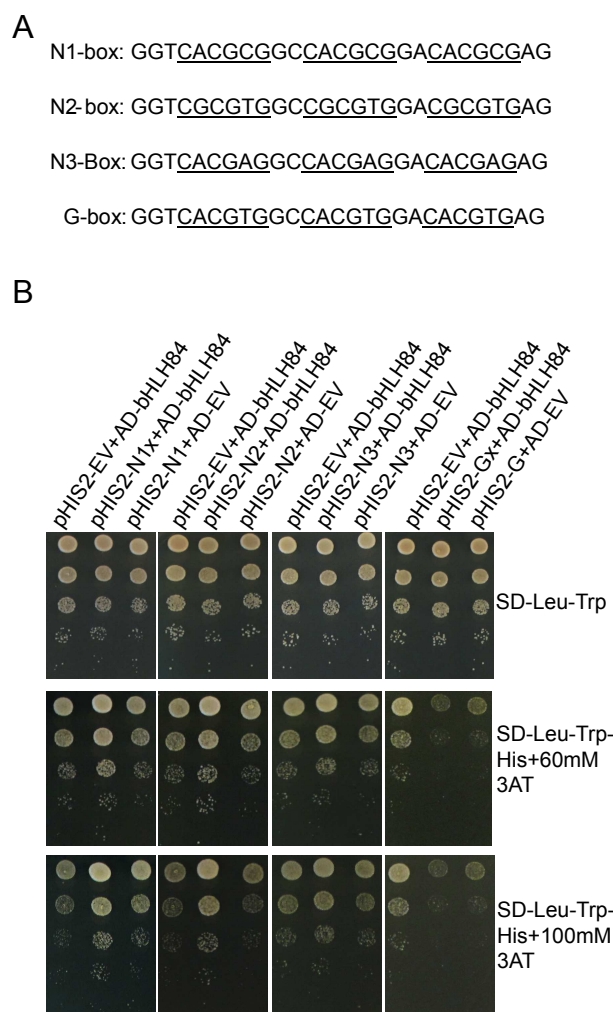


Figure S16. bHLH84 exhibits DNA binding activity with N1- and N2-box cis elements.

- A. The sequences of the tested DNA fragments in the yeast-one-hybrid assays. The tripled cis-element sequences are indicated with the underline.
- B. bHLH84 only exhibited detectable binding activity to N1- and N2-boxes. Yeast cell Y187 cotransformed with constructs harboring *bHLH84* fused with *GAL4* activation domain (AD) and *pHIS2* constructs containing the indicated DNA fragment were plated on the SD-Leu-Trp and SD-Leu-Trp-His with 60 mM or 100mM 3-Amino-1,2,4-Triazole (3AT). The growth of yeast cells on SD-Leu-Trp-His with 60mM 3AT or 100mM 3AT reflects the binding activity of bHLH84 while that on SD-Leu-Trp serves as loading control. Yeast cells cotransformed with *pHIS2* empty vector (EV) and *bHLH84-AD* together with yeast strains cotransformed with *AD* empty vector (EV) and *pHIS2* constructs with the indicated DNA fragments served as negative controls.