Figure S1. Distribution pattern of free GFP, m03915-GFP, and m04250-GFP in the epidermic cells of N. benthamiana. The full expanded leaves of six true leaf-stage N. benthamiana were used for agroinfiltration to determine the distribution patterns of free GFP, m03915-GFP, and m04250-GFP. Free GFP (A), m03915-GFP (B), and m04250-GFP showed the similar distribution pattern in the epidermic cells of N. benthamiana.

Table S1. Primers used in this research.

| Primers used for phoA assay | Primers used for construction vectors for expression with TMV | Primers used for subcellular localization |
|----------------------------|-------------------------------------------------|------------------------------------------|
| CLIBASIA_03915 PF          | GAGCTCATGAATGCAAGGATTAATAGTAGC                  | GFP F                                      |
| CLIBASIA_03915 PR          | CAATGGTGTGGTCTTTATGCTATTTTC                    | GFP R                                      |
| CLIBASIA_04250 PF          | GAGCTCATGAATACAAGAATAATAGGAACCG                 | GFP FF                                     |
| CLIBASIA_04250 PR          | CAATGGTCTTCTGGATGATTTTACC                      | GFP FR                                     |
| m03915 EF                  | TTAATTAATGTTGGAATCTAAAGCAGCCAATTAGAAAG         | m03915 GF                                 |
| m03915 ER                  | CTGGAGTTATTTGTCCTTTATGCTATTTTC                 | m03915 GR                                 |
| m03915 NF                  | TTAATTAATATGGGATCTAAAGGACCG                    | m04250 GF                                 |
| m04250 EF                  | CTGGAGCTATCTTCTGGATTTTACC                      | m04250 GR                                 |
| m04250 ER                  | TTAATTAATGTTTCTTAAGAGGGAGGTGAAAAAAG            |                                           |
| m04250 NF                  | TTAATTAATGTTTCTTAAGAGGGAGGTGAAAAAAG            |                                           |
| Primers used for yeast two-hybrid | Underlines indicate the added restriction enzyme sites. |
|----------------------------------|---------------------------------------------------|
| Haint F                          | TCTAGATGTACCCATACGATGTTCCAGATTACGTAAGTTTCTGTTCTACCTTG |
| Haint R                          | GAGCTCCCCGGGGATCCAGCCTGACATCAAACAATTCTGTCATAATTAG |
| RFP F                            | **GGATCCGCTCTCTCCGAGGACGTCATCAAGG** |
| RFP R                            | GAGCTCTTAGGCCGCGTGAGTGCGCGCCCTC |
| RFP-NLS F                        | **GGATCCATGGCCTCTCCGAGGACGTCATCAAGG** |
| RFP-NLSR                         | GAGCTCTTCAGATCAGGCTGATCCCGAGGCTATTCCGAGAATAC |

m03915 YF

m03915 YMR

m04250 YF

m04250 YR

GAATCTGGAATCTAAAGCACGCAATTAG

GGATCCTTGGGCTTTATTTGCTATTCTATCTTTC

GAATCTGTTTTTCTAAAAGGAGTGAAAAAAAAG

GGATCCTATCTTTCTGATGTTTTTACC

GAATTCTGGAATCTAAAGCACGCAATTAG

GGATCCTTGGGCTTTATTTGCTATTCTATCTTTC

GAATCTGTTTTTCTAAAAGGAGTGAAAAAAAAG

GGATCCTATCTTTCTGATGTTTTTACC