

Table S4. Primers used in this study.

| Name | Sequence (5'-3') | Application |
|-------------|---|--|
| B1F | TCGCTGTTCTCCTGTGTCC | <i>FgBNI4</i> deletion |
| B2R | TTGACCTCCACTAGCTCCAGCCAAGCCAAGTCCCCGATACTGGTGG | <i>FgBNI4</i> deletion |
| B3F | GAATAGAGTAGATGCCGACCGCGGGTTGCGACATTCTCTCCTCGCAT | <i>FgBNI4</i> deletion |
| B4R | GCAGCTTTCCCCAGATGAGT | <i>FgBNI4</i> deletion |
| B5F | AATCAACATGGCCGCTCTCA | <i>FgBNI4</i> deletion |
| B6R | CATCGTAGGCCTCGTCAGTC | <i>FgBNI4</i> deletion |
| B7F | TCCCTGGGCCGATAACCTTA | <i>FgBNI4</i> deletion |
| B8R | GACGTCATTGTGACATGCG | <i>FgBNI4</i> deletion |
| HT/F | GATGTAGGAGGGCGTGGATATGTCCT | <i>FgBNI4</i> deletion |
| HY/R | GTATTGACCGATTCTTGCGGTCCGAA | <i>FgBNI4</i> deletion |
| YG/F | GGCTTGGCTGGAGCTAGTGGAGGTCAA | <i>FgBNI4</i> deletion |
| HT/R | AACCCGCGGTCGGCATCTACTCTATTC | <i>FgBNI4</i> deletion |
| H852 | AACTACCGCGACGTCTGTC | <i>FgBNI4</i> deletion |
| H850 | TTGTCCGTCAGGACATTGTT | <i>FgBNI4</i> deletion |
| H855R | GCTGATCTGACCAGTTGC | <i>FgBNI4</i> deletion |
| H866F | GTCGATGCGACGCAATCGT | <i>FgBNI4</i> deletion |
| FgBNI4/CF | AGGGAACAAAAGCTGGGTACCCCTTGTCCTGCATGCTTA | generation of complementation construct for <i>Fgbni4</i> mutant |
| FgBNI4/CR | GAACAGCTCCTCGCCCTTGCTCACGCAGCTTTCCCCAGATGAGT | generation of complementation construct for <i>Fgbni4</i> mutant |
| Y1F | GCTGTTCCCTAGCAGTCCAG | <i>FgYCK1</i> deletion |
| Y2R | CAGATACGGCAGAGAAATCGCAACCTCACGGTAGTGAACGCCTACG A | <i>FgYCK1</i> deletion |
| Y3F | GTTTAGATTCCAAGTGTCTACTGCTGGCGCCAGCTAACCCTCAGCCTA | <i>FgYCK1</i> deletion |
| Y4R | CGCATCTTCGATCATTCTCATCAA | <i>FgYCK1</i> deletion |
| Y5F | CAATCTACTCAACAACCAGCAAGTT | <i>FgYCK1</i> deletion |
| Y6R | CCTTTCCCGAATCCTTAGAGATCTT | <i>FgYCK1</i> deletion |
| Y7F | CGTACAGTACGCAACTAGAAAAGTG | <i>FgYCK1</i> deletion |
| Y8R | TGAGACCAACCAGATTGAGAGC | <i>FgYCK1</i> deletion |
| GEN/F | GAGGTTGCGATTTCTCTGCCGTATCTG | <i>FgYCK1</i> deletion |
| GEN/R | GCCAGCAGTAGACACTTGGAATCTAAAC | <i>FgYCK1</i> deletion |
| G850 | TCGGCTATGACTGGGCACAACA | <i>FgYCK1</i> deletion |
| G852 | GAGCGGCGATACCGTAAAGCAC | <i>FgYCK1</i> deletion |
| G855/R | TGTTGGGTTTGAGCTAGGTGGG | <i>FgYCK1</i> deletion |
| G866/F | GAATGGTCAAATCAAAGTCTAGATAT | <i>FgYCK1</i> deletion |
| FgYCK1/CF | CGACTCACTATAGGGCGAATTGGGTACTCAAATTGGCGACAAGAACC TTGAATCTCAAC | generation of complementation construct for <i>Fgyck1</i> mutant |

| | | |
|------------|---|---|
| FgYCK1/CR | CTTTATAATCACCGTCATGGTCTTTGTAGTCTCGATCATTCTTCATCAA GCAGA | generation of complementation construct for <i>Fgyck1</i> mutant |
| P1F | GGCCGATCATTGTGGAATCTTC | generation of <i>FgBNI4</i> ^{R699C} transformants |
| P1R | GCAGTCGTA CTCTGGCTAG | generation of <i>FgBNI4</i> ^{R699C} transformants |
| P2F | CTAGCCAGGAGTACGACTGC | generation of <i>FgBNI4</i> ^{R699C} transformants |
| P2R | CAGATACGGCAGAGAAATCGCAACCTCTCTGTAAATCACTTTCAACG GCAT | generation of <i>FgBNI4</i> ^{R699C} transformants |
| P3F | GTTTAGATTCCAAGTGTCTACTGCTGGCTCTGGTGTCTGATCCATACT TGATA | generation of <i>FgBNI4</i> ^{R699C} transformants |
| P3R | CTCCTTCATCCATTCTGTATCGTCT | generation of <i>FgBNI4</i> ^{R699C} transformants |
| S1F | AGGGCGCAAGCTAAGAGC | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| S1R | TGCGCAAGCAGAGGAGTCAATCGATTGCACGT | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| S2F | CGATTGACTCCTCTGCTTGCGCAACAGATCAAGG | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| S2R | TTGACCTCCACTAGTCCAGCCAAGCCCGTTCCAGTTTCAACGGTG A | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| S3F | CGTCCGCAATGTGTTATTAAGTCGACCTCAATGGAGCGGACATAACG | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| S3R | TTCTGGTAAGCATGCGCCAGG | generation of <i>FgBNI4</i> ^{ΔCT} transformants |
| GFP/1F | GTAGGAACCCAATCTTCAAACCTCGAGATGGTGAGCAAGGGCGAGGA | generation of GFP- <i>FgRHO1</i> construct with RP27 promoter |
| GFP/2R | TCCTCCTCCTCCTCCTCCTCCTCCTCCTTGTACAGCTCGTCCATG CCGA | generation of GFP- <i>FgRHO1</i> construct with RP27 promoter |
| GFP-RHO1/F | GGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGATCC ATGGCTGAGATCCGCCGAA | generation of GFP- <i>FgRHO1</i> construct with RP27 promoter |
| GFP-RHO1/R | TGATTTCAGTAACGTAAAGTGGATCCAAACGAAAAGATTTATGGCCTG ACC | generation of GFP- <i>FgRHO1</i> construct with RP27 promoter |
| FgSPA2/F | AGGGAACAAAAGCTGGGTACCCCCATAAACTTGAGGCCTCT | generation of GFP- <i>FgSPA2</i> construct |
| FgSPA2/R | GAACAGCTCCTCGCCCTTGCTCACCGAAAAAGTCATCAGGTCGTCCG | generation of GFP- <i>FgSPA2</i> construct |
| FgBNI4/TF | AACAATTAACAAAAGCGACTCTCGT | DNA sequencing of <i>FgBNI4</i> gene |
| FgBNI4/TR | GAGACTGGTTAGAGTAATTGAACGC | DNA sequencing of <i>FgBNI4</i> gene |
| FgTNA1/TF | ATAATACCCAGCGATGTCTTGTGTA | DNA sequencing of <i>FgTNA1</i> gene |
| FgTNA1/TR | CTCGTGAGGTGTGGAGTTATGATAT | DNA sequencing of <i>FgTNA1</i> gene |