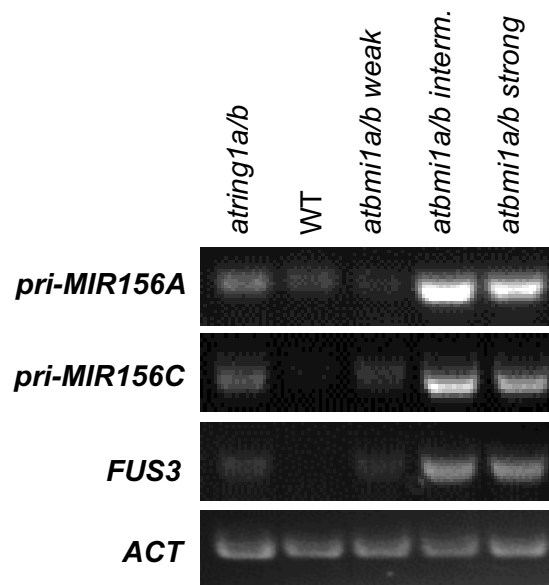


Supplemental Figure S1. Expression of *FLC*, *MAF1*, *MAF2*, *MAF3*, *MAF4* and *MAF5* in 14-day-old *ating1a/b*, WT and *atbmi1a/b* different phenotypes at ZT1 under LD conditions. *ACT2* was used as internal control. *MAF4* and *MAF5* are upregulated in *ating1a/b* mutants as in *atbmi1a/b* mutants. *FLC* is also upregulated but less that in *atbmi1a/b* mutants.



Supplemental Figure S2. AtRING1 together with AtBMI1 regulates the expression of *pri-MIR156A/C*. Expression levels of *pri-MIR156A*, *pri-MIR156C*, and the seed maturation gene *FUS3* in *ating1a/b*, WT and *atbmi1a/b* mutants at 14 DAG growing under LD at ZT1. *ACT2* was used as internal control. *FUS3* and *pri-MIR156A/C* are derepressed in *ating1a/b* mutants to *atbmi1a/b* weak levels.

Supplemental Table S1. Primers used in this work

qRT-PCR primers

Name	5' to 3'
FLC Fw	GCCACCTTAAATCGGCGTTG
FLC Rev	CACAAAGTCTCTTGGCCAAAGAGAGAG
MAF1 Fw	CGGCTGAGTTTTACCTTAAACTCAAAGCC
MAF1 Rev	GAGGAAGATAAAAGGTTTGAGATTACACAGC
MAF2 Fw	GGCTGAGCTTTCACCTTAAACTTACAGC
MAF2 Rev	CCACATTGGCGCGAGGAAGATAAAAAGG
MAF3 Fw	GGCTGAGCTTTCACCTTAAACTTACAGC
MAF3 Rev	GCTTCGTTTTGTTTTACCTTATTCCACATTGGG
MAF4 Fw	GCTACGGAAAAGTCATCCAAGGAGATGC
MAF4 Rev	CGAAAGTAAATACTATATCATCTGTCTCCGAAGG
MAF5 Fw	CCACCAATCATCAACGGCTGATTTTTTCATCATCC
MAF5 Rev	CCGTATGCAGGGGGAGAAGAGG
FT Fw	CGAACGGTGATGATGCCTATAGTAG
FT Rev	CACTCTATTTTCTCCCTCTCT
CO Fw	CCAATGGACAGAGAAGCCAGG
CO Rev	GCATCGTGTGAACCTTGC
Pri-MIR156A Fw	CTTCGTTCTCTATGTCTCAATCTCTC
Pri-MIR156A Rev	TGATTAAGGCTAAAGGTCCTCTC
Pri-MIR156C Fw	GTGATAATGAGTGATGACTGATG
Pri-MIR156C Rev	GAAAACGTGACCGGGACCGAATCG
FUS3 Fw	TCATGGTCTGCAGCTAGGTGACTT
FUS3 Rev	CGTCTACTTCTTCTTCCGATGC
LEC1 Fw	TGGAGCTCCCTTCTCTACTATCA
LEC1 Rev	CTGCTGGACCACGATACCATTGTT
pri-miR172b Fw	CGGATTAGGGCGTTAATTACAATG
pri-miR172b Rev	GGTCTCTGGACGAACTATTCTGTA
SLP3 Fw	CTTAGCTGGACACAACGAGAGAAGGC
SLP3 Rev	GAGAAACAGACAGAGACACAGAGGA
SLP9 Fw	CAAGGTTCAAGTTGGTGGAGGA
SLP9 Rev	TGAAGAAGCTCGCCATGTATTG
ACT2 Fw	CACTTGCACCAAGCAGCATGAAGA
ACT2 Rev	AATGGAACCACCGATCCAGACACT

ChIP-PCR primers

Name	5' to 3'
FLC ChIP Fw	TCTGGTTATCGATTGCGATTCT
FLC ChIP Rev	CGTGATATACAAATCCAAGAGAAC
MAF4 ChIP Fw	CCCGGTAGATTTGTTGAGAAAC
MAF4 ChIP Rev	CACTTGAAATTAACCAAGGAATGC
MAF5ChIP Fw	CAAGTCATCTTAACTTTGTCTTGCT
MAF5ChIP Rev	GGCACTCGTTCCACTAGATT
MIR156A ChIP Fw	CTCTCAAATCTCAAGTTCATTGCC
MIR156A ChIP Rev	GGCTCTTGTCGCTTTCTTATC
MIR156C ChIP Fw	TCTCCGTTTTGCTTGTTAAC
MIR156C ChIP Rev	AGAAGATTGGAAGGAGGCAG
FUS3 ChIP Fw	ACTTTTGCTACACTTGTCCACCATG
FUS3 ChIP Rev	CGCAACAAGATCTAATGCCACT
WUS ChIP Fw	CAAACCTCTCTTCTCTTGTCTCTCTC
WUS ChIP Rev	GGCTCCATGTGTGTTGATTGAC
ACT7 ChIP Fw	GCGATGTTTGAGTTTCAATAAACGCTGC
ACT7 ChIP Rev	CTCACCTTCACCATTCAGTTCCA