



Figure S1. Effects of BMV infection on the growth of rice CO-39 plants. 2-week-old rice CO-39 plants were inoculated with BMV vector without inserting gene fragments for 15 d. Growth phenotypes of WT, Mock and BMV (without inserting) plants were monitored (A). In addition, fresh weight (B) and length (C) of shoots and roots from these plants was examined. Each experiment was performed with three biological repeats. Values represented mean \pm SD in at least three independent sample collections ($n = 10$). Different letter indicated a significant difference at $p < 0.05$.

Table S1. Primers used in this study.

Gene	Usage	Sequence (5'-3')
<i>OsPDS(s)</i>	Gene silencing	CCATGGTGCCAGATATTTTGCAGGACAAC CCTAGGTCCAGCAATCACGACCTGTAATG
<i>OsPDS(as)</i>	Gene silencing	CCATGGTCCAGCAATCACGACCTGTAATG CCTAGGTGCCAGATATTTTGCAGGACAAC
<i>MoABC1(s)</i>	Gene silencing	CCATGGGGTTTCAATGGCGTGGTA CCTAGGTTTCGCAGCAAAGGTAAGG
<i>MoABC1(as)</i>	Gene silencing	CCATGGTTTCGCAGCAAAGGTAAGG CCTAGGGGTTTCAATGGCGTGGTA
<i>MoMAC1(s)</i>	Gene silencing	CCATGGAGGGCGAGAAGTCCACTG CCTAGGTGGTGTTCGCGTAGAGCGATG
<i>MoMAC1(as)</i>	Gene silencing	CCATGGTGGTGTTCGCGTAGAGCGATG CCTAGGAGGGCGAGAAGTCCACTG
<i>MoPMK1(s)</i>	Gene silencing	CCATGGTACTTCAACCACGAGAACATC CCTAGGAGAACGAGCCAGACCAAA
<i>MoPMK1(as)</i>	Gene silencing	CCATGGAGAACGAGCCAGACCAAA CCTAGGTACTTCAACCACGAGAACATC
<i>OsEF-1α</i>	qRT-PCR	CCGCCAAGAAGAAATGAGCA TCCATGCAACGAGTGCCAT
<i>BMV</i>	qRT-PCR	ATATGGGCTTCCAAGGTCTG TCGCGGTCAAACAACATGGC
<i>MoBT</i>	qRT-PCR	ATTGGTGCTGCTTTCTGGCA GGAAGAGCTGGCCAAAAGGA
<i>OsPDS</i>	qRT-PCR	CATTGCCTGCACCCTTAAAT GAACCTCACCACCCAAAGAG
<i>MoABC1</i>	qRT-PCR	GATGCTGTCGTCGGTGTC CTTGTCCGCTCTTGGTGA
<i>MoMAC1</i>	qRT-PCR	CCAGCGATACACGAAGACA AATACATTGGAGGTGGGAGA
<i>MoPMK1</i>	qRT-PCR	CCAATCCACCAAGCAACT TGATCTTCTTTATGGCAACC