

Table S3 Primers of *PhC5-MTase* and *PhMBD* genes used in the experiments.

Gene number	Gene name	Primer sequence(5'→3')	
		Forward	Reverse
Peaxi162Scf00326g00710.1	<i>PhDRM2</i>	GGGCAGCAACAGGGTGAG	CGAGGATAGTGATAAAACAAGGAAG
Peaxi162Scf00441g00015.1	<i>PhCMT1</i>	ATGCCGAGAAAACGAAAAGC	TGTCGCTTTGATTTCCTAGTTGT
Peaxi162Scf00164g00518.1	<i>PhDRM3</i>	TCCACCAGTGCCAGTTATTCA	CAAGGATGCGTTCTATTTGTTCT
Peaxi162Scf01053g00039.1	<i>PhMET1</i>	GAGGTGGTTGGTTGTCAGGTG	TCCCCATCCCAGTTTATTTCTT
Peaxi162Scf00062g00201.1	<i>PhCMT3</i>	TAGATTTGTATTCGGGATGTGGA	GCAAAAGGGCTAAGGTCAACG
Peaxi162Scf00045g00047.1	<i>PhCMT2</i>	TGTTTCCAAAGTCAATGTGGTAGA	CCAAGGCTCAACCCCGTA
Peaxi162Scf01039g00228.1	<i>PhMBD1</i>	CACAATGTGGGAAGTGCTTCA	GGGTTTTAGGTTGATTGGCTTA
Peaxi162Scf00320g00413.1	<i>PhMBD2</i>	CCGAGCCACATGCTTTGA	TCTGATTAGCTTGTTCCCTTGC
Peaxi162Scf00915g00037.1	<i>PhMBD3</i>	ACCACTAAAGGAGCGAGAACTG	GGCATACCCAGACAAGGACC
Peaxi162Scf00313g00818.1	<i>PhMBD10</i>	CTGAAGAACTGAACCAGCAAAG	TCAGTTGCTTGGGCTTCCTC