

**Table S1. *Magnaporthe oryzae* strains used in this study**

Strain	Genotype	Reference
Br48	Wild type (wheat infecting isolate)	Urashima <i>et al.</i> , 1999
$\Delta mokmt1.9$	<i>Mokmt1</i> deletion mutant of Br48	This study
$\Delta mokmt1.13^*$	<i>Mokmt1</i> deletion mutant of Br48	This study
MoKMT1E	Ectopic transformant for $\Delta mokmt1$ deletion mutant	This study
MoKMT1C	Complementation strain of $\Delta mokmt1.9$ mutant	This study
$\Delta moset1.35$	<i>Moset1</i> deletion mutant of Br48	Vu <i>et al.</i> 2013
$\Delta moset1.36^*$	<i>Moset1</i> deletion mutant of Br48	Vu <i>et al.</i> 2013
MoSET1.19E	Ectopic transformant for $\Delta moset1$ deletion mutant	Vu <i>et al.</i> 2013
MoSET1C	Complementation strain of $\Delta moset1.36$ mutant	Vu <i>et al.</i> 2013
$\Delta mokmt3.22^*$	<i>Mokmt3</i> deletion mutant of Br48	This study
$\Delta mokmt3.26$	<i>Mokmt3</i> deletion mutant of Br48	This study
MoKMT3E	Ectopic transformant for $\Delta mokmt3$ deletion mutant	This study
MoKMT3C	Complementation strain of $\Delta mokmt3.26$ mutant	This study
$\Delta mokmt4.17^*$	<i>Mokmt4</i> deletion mutant of Br48	This study
$\Delta mokmt4.19$	<i>Mokmt4</i> deletion mutant of Br48	This study
MoKMT4E	Ectopic transformant for $\Delta mokmt4$ deletion mutant	This study
$\Delta mokmt5.2^*$	<i>Mokmt5</i> deletion mutant of Br48	This study
$\Delta mokmt5.4$	<i>Mokmt5</i> deletion mutant of Br48	This study
MoKMT5E	Ectopic transformant for $\Delta mokmt5$ deletion mutant	This study
MoKMT5C	Complementation strain of $\Delta mokmt5.2$ mutant	This study
$\Delta mokmt6.5^*$	<i>Mokmt6</i> deletion mutant of Br48	This study
$\Delta mokmt6.10$	<i>Mokmt6</i> deletion mutant of Br48	This study
MoKMT6E	Ectopic transformant for $\Delta mokmt6$ deletion mutant	This study
MoKMT6C	Complementation strain of $\Delta mokmt6.5$ mutant	This study
$\Delta mokmt2h.8$	<i>Mokmt2h</i> deletion mutant of Br48	This study
$\Delta mokmt2h.13^*$	<i>Mokmt2h</i> deletion mutant of Br48	This study
MoKMT2hE	Ectopic transformant for $\Delta mokmt2h$ deletion mutant	This study
MoKMT2hC	Complementation strain of $\Delta mokmt2h.13$ mutant	This study
$\Delta moset6.14^*$	<i>Moset6</i> deletion mutant of Br48	This study
$\Delta moset6.16$	<i>Moset6</i> deletion mutant of Br48	This study
MoSET6E	Ectopic transformant for $\Delta moset6$ deletion mutant	This study

\*representative strains were used throughout this study unless otherwise noted.