

**Supplementary Table 1.** Sequences of the primers used in this study were listed below.

<b>Purpose</b>	<b>Primer_ID</b>	<b>Sequence (5'-3')</b>
NG1928 genotyping	P1_F	CGTGAGGCCATGACATATTG
	P1_R	AATGGCTGGTGTCTGTAAGG
NC2778 genotyping	P2_F	AGCTTGTTGCTGCTTGGATT
	P2_R	TAGGCTAGAGCCACTGCCAT
Tos17 primer	Tos_tail6	AGGTTGCAAGTTAGTTAAGA
qRT-PCR for <i>OsAKT1</i>	qAKT1_F	GCTTCCAAAGGAAACGAGCAA
	qAKT1_R	GCAAGCGTATAAGCCCGTGTC
Reference gene, <i>OsUBQ5</i>	UBQ5_F	ACCACTTCGACCGCCACTACT
	UBQ5_R	ACGCCTAAGCCTGCTGGTT
qRT-PCR for <i>OsFRDL1</i>	qFRDL1_F	TCACCAATGCTAAGGCCTGC
	qFRDL1_R	AACCACGGAAAACACCCTG
qRT-PCR for <i>OsIRT1</i>	qIRT1_F	TTCGCCGTCGTCAAGGC
	qIRT1_R	GGCGAGGTGAGGTTGTTGA
qRT-PCR for <i>OsYSL2</i>	qYSL2_F	TGCTGAGTTCGACATGGTATG
	qYSL2_R	GGCCGGTCTATCCATTACCT
qRT-PCR for <i>OsYSL15</i>	qYSL15_F	ATCTCACCTTGACATCGCCG
	qYSL15_R	AAACGCCCTGTAGAACAGCA

*OsAKT1*: potassium ion channel, LOC\_Os01g45990; *OsUBQ5*: rice ubiquitin gene, LOC\_Os01g22490, *OsFRDL1*: FRD3-like protein 1, LOC\_Os03g11734, *OsIRT1*: iron-regulated transporter 1, LOC\_Os03g46470, *OsYSL2*: yellow strip-like gene 2, LOC\_Os02g43370, *OsYSL15*: yellow strip-like gene 15, LOC\_Os02g43410. qRT-PCR: quantitative reverse transcription PCR, F: forward, R: reverse.