

Table 1 The sequences of targets and primers used in this study

Name	Sequences (5'-3')	Application
TeOsSUT1-1	<u>YACGTRGTGCCGGAAAGTCGGGCCAAGGGGGTCTC</u>	Gene knock-out
TeOsSUT1-2	<u>YACGTRGCTTCAGGAACTTACCTACTGGGGGTCTC</u>	Gene knock-out
TeOsSUT2-1	<u>YACGTRAACATACTTGGATATGCCACTGGGGTCTC</u>	Gene knock-out
TeOsSUT2-2	<u>YACGTRAGATCACCTAGCACAGAACAGGGGTCTC</u>	Gene knock-out
TeOsSUT3-1	<u>YACGTRAGCCCCGACAGGCTTATCTGCGGGGTCTC</u>	Gene knock-out
TeOsSUT3-2	<u>YACGTRACGCAAGGAATAGCCCCGACAGGGGTCTC</u>	Gene knock-out
TeOsSUT4-1	<u>YACGTRAGGGCAGGCGGATGGCCGTGAGGGGTCTC</u>	Gene knock-out
TeOsSUT4-2	<u>YACGTRCCAGCAGATCTGTAAGAGTTTGGGGTCTC</u>	Gene knock-out
TeOsSUT5-1	<u>YACGTRGTGGCTTCCGGAGGATCGTGCGGGGTCTC</u>	Gene knock-out
TeOsSUT5-2	<u>YACGTRACTCGTACGTTCCCTGACATGGGGTCTC</u>	Gene knock-out
DOsSUT1-F	ACAAAATCAAACGAGCCAGC	Sequence analysis
DOsSUT1-R	CTTTGCGTTTCTTGGAGTCC	
DOsSUT2-F	CCCAAGGAGGACTCGGATAG	Sequence analysis
DOsSUT2-R	CCTCTTGATACCGATTGGAT	
DOsSUT3-F	CTTCGATCTCTTGGGATATAAC	Sequence analysis
DOsSUT3-R	CTATATGAATTTGAACACACAC	
DOsSUT4-F	TCGTTGTTCCGCAGGTTAG	Sequence analysis
DOsSUT4-R	GCTCTGCCCGAATGACAT	
DOsSUT5-F	CACAACCTTCCCTCTCCAAAA	Sequence analysis
DOsSUT5-R	CTGGTTCCTTGACTTCGCTAA	

Note: Underlined letters: The sites recognized by *Bsa* I and *Eco*31 I