

Supplementary Table 1:

Primers used in this study.

Primer	Sequence	Usage
OJD387	aagcaggcttaaagcttAAGGGATCTTTAAACATACGAAC	
OJD388	aaagctgggtaggatccAAAAAAAAAGCACCGACTCG	
OJD389	aagcaggcttaaagcttATTTTTTCCTGTAGTTTTCCC	Constructing donor vectors
OJG109	<i>Agatatac</i> GAGAGGGATGGGGgttttagagctatgctgaaa	
OJG110	CCCCATCCCTCTC <i>gatatac</i> Tgccacggatcatctgcac	
OJG112	CCCCATCCCTCTC <i>gatatac</i> Tggcagccaagccagcacc	
OJG645	gtgctggettggctgccGGTCTCTgttttagagctagaaatag	Amplifying the cassette of sgRNA-OsU6a
OJG646	CTATTTCTAGCTCTAAAACAGAGACCGGCAG CCAAGCCAGCAC	
OJK121	agggtctcATAACGcAGACCGGCACAC	Removing BsaI sites of pH-Ubi-cas9-7
OJK122	agggtctcAGGAAAcAGACCTTTTCGACCTT	
OJD383	ACGTGCGCCGGGTTGATGCTttgccacggatcatctgcac	Constructing PJD392
OJD384	AGCATCAACCCGGCGCACGTgttttagagctatgctgaaa	
OJG521	GAAGCGAGCGTACCGGGGAGgttttagagctagaaatag	Constructing PJF645
OJG522	CTCCCCGGTACGCTCGCTTCggcagccaagccagcacc	
OJH307	agggtctcAGGCAagtagtatacgtccagctctgttttagagctatgc	Constructing PJF943
OJH308	agggtctcACAAACAAATATAAGAGATTCTC ACggcagccaagccagc	
OJI541	GAGATTTTTTCAGGATCTTGCT	Genotyping analysis of PJF943
OJI542	AACATAGTATATTGGGCAAGAGG	
OJG723	CACCGCCATCCTCGACAAGCTC	Genotyping analysis of PJD392
OJG724	ATGGTGACACTAACCGTCGTCT	
OJG581	CAATCCGCCGCGCTGGTGT	Genotyping analysis of PJF645
OJG582	AGATGTCCGGGCGCATGTTG	
OJP051	GGGGACAAGTTTGTACAAAAAAGCAGGCTTA	Universal primers
OJP052	GGGGACCACTTTGTACAAGAAAGCTGGGTA	
OJP001	TCGCGTTAACGCTAGCATGGATCTC	Universal primers
OJP002	GTAACATCAGAGATTTTGAGACAC	