Table S2. Primers used in this study.

Primers	Primer sequence (5' to 3')	Purpose
LOC_Os02g38470(BPF)-F	ATGGATGGTGCTGTTCGAG	
LOC_Os02g38470(BPF)-R	TCACTTTCTTGTGATATAAACCTGG	
LOC_Os02g35140-F	ATGGCTGGCTCCGTCGT	
LOC_Os02g35140-R	TCAGCAATCCTTATCGGTGACG	
LOC_Os06g04870-F	ATGATGGATCTCGGCCTCAGC	
LOC_Os06g04870-R	CTAGAAGAGCTCTCTGGTGACGAG	
LOC_Os02g07430-F	ATGGGGCGCGGCAAGATCG	
LOC_Os02g07430-R	TTACCACAGCTGCAGGCCGT	
LOC_Os06g22760-F	ATGACAAAGCGGAAGATTGAGATCAAG	
LOC_Os06g22760-R	TCACTTCGGAAAGTACCTCCTGG	
LOC_Os02g38470(BPF)-fusion-F	CAAAGCTAGAAAGAAAAACCATGGATGGTGCTGTTCGAGG	
LOC_Os02g38470(BPF)-fusion-R	GGAAATTCGAGCTGGTCACCTCACTTTCTTGTGATATAAA	
LOC_Os02g35140-fusion-F	CAAAGCTAGAAAGAAAAACCATGGCTGGCTCCGTCGTTGC	
LOC_Os02g35140-fusion-R	GGAAATTCGAGCTGGTCACCTCAGCAATCCTTATCGGTGA	
LOC_Os06g04870-fusion-F	CAAAGCTAGAAAGAAAAACCATGATGGATCTCGGCCTCAG	Vector construction
LOC_Os06g04870-fusion-R	GGAAATTCGAGCTGGTCACCCTAGAAGAGCTCTCTGGTGACGAGC	
LOC_Os02g07430-fusion-F	CAAAGCTAGAAAGAAAAACCATGGGGCGCGGCAAGATCGA	
LOC_Os02g07430-fusion-R	GGAAATTCGAGCTGGTCACCTTACCACAGCTGCAGGCCGT	
LOC_Os06g22760-fusion-F	CAAAGCTAGAAAGAAAAACCATGACAAAGCGGAAGATTGA	
LOC_Os06g22760-fusion-R	GGAAATTCGAGCTGGTCACCTCACTTCGGAAAGTACCTCC	
OsECA1_promoter-F	TATACATGGGAGTCTAGTGC	
OsECA1_promoter-R	GGTTTTTCTTTCTAGCTTTG	
OsECA1_promoter-fusion-F	ATATCCTGTCAAACACTGATAGTTTATACATGGGAGTCTAGTGC	
NOS-F	GGTGACCAGCTCGAATTTCC	
NOS-R	TCCCGCCTTCAGTTTCCCGATCTAGTAACATAGATGACACC	
OSD1-F	GGAGTGAGTACGGTGTGCTATCAGGAGGACGACGTCGCCG	
OSD1-R	GAGTTGGATGCTGAGTGGCTCCTCCTCTTGGGTGTAGC	
PAIR1-H	GGAGTGAGTACGGTGTGCCTTCTTGCGCGCGAGAAGAGTCTC	Mutation detection of OSD1, PAIR1, and REC8 target site
PAIR1-R	GAGTTGGATGCTGAGTGGGAGATGTAGTGCGTGGGTCTTG	
REC8-F	GGAGTGAGTACGGTGTGCTTGGGTTAGTGAGGAGAT	
REC8-R	GAGTTGGATGCTGAGTGGTGCGATCGGAACTATGGAGAC	
HYG-F	GAACTCACCGCGACGTCTGTCGAG	Positive transgenic plants detection
HYG-R	GCTGTTATGCGGCCATTGTCCGTC	