

Additional File 8: Table S1. Primers used in this study.

I. The SSR, STS, and dCAPS markers used for map-based cloning of the <i>zebra3</i> locus		
Marker	Forward primer (5'→3')	Reverse primer (5'→3')
STS1	AGGGCATATATTGTGTTAGTCCT	GTTGGCGTGGCAGTCCTAAC
dCAPS7	AGTGCGGCTGTACAGAAATC	TCACCCACACAAGACACTGAGGGATC
dCAPS2	CTTGAGAGGTATGGAGAATGGTA	CAGCTCCTTTCGGCTAGCACTGCA
STS3	GAAGAGGTGGCAGTTTGGC	GAGCTGAACTCGCTGTCACT
RM14395	AATATCCGCAGCCGAAACATAGC	ACCGACCAAACCAACACAATCG
RM3126	TTCTTGCTCGTCTGCCTCC	CATCTTGCCATGCCTGATG
RM489	ACTTGAGACGATCGGACACC	TCACCCATGGATGTTGTCAG
RM5444	AACGTACCAGTCGCTGGTTC	CCCGTGATTTCCTCCGAC
RM7576	CTGCCCTGCCTTTTGACAC	GCGAGCATTCTTTCTTCCAC
RM1022	CATGGGATGAGGGAGTAATG	CTTTGATAGCGGCTTTGTCC
RM1338	GAAGGGATTCAAGGGGTAGG	TCCAGTCATCCCTGTGAAAG
RM7	TTCGCCATGAAGTCTCTCG	CCTCCCATCATTTCTGTTGT
RM1284	ACACTCCCCTTTTGTAAGC	CTAGAACTACGGCATTTTCG
RM5748	CAGTTGGCAATTGTCACGAG	TCGAACATATCCAAGCCTCC
RM16	CGCTAGGGCAGCATCTAAA	AACACAGCAGGTACGCGC
RM168	TGCTGCTTGCTGCTTCCTTT	GAAACGAATCAATCCACGGC
RM3585	TTGATGAGAGTGAACCAGCG	CGTTTATGCAGAACAACCCC
II. Primer set used for cloning <i>Z3</i>		
Gene	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Z3</i>	ATGGCGTTGGCAGGGACCTCC	GTAAGTGGTGACGATGAGCA
III. Primer sets used for semi-quantitative RT-PCR or qRT-PCR		
Gene	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Z3</i> (Full)	ATGGCGTTGGCAGGGACCTCC	GTAAGTGGTGACGATGAGCA
<i>Z3</i> (Transgene-1)	AGGGTGTGCTCTTCTTGCTGTG	TAATTATCCTAGTTGCGCGCT
<i>Z3</i> (qRT-PCR)	AGGGTGTGCTCTTCTTGCTGTG	CGAGCCCAGTAGTGTGAGGTTC
<i>Ubiquitin5</i>	ACCACTTCGACCGCCACTACT	ACGCCTAAGCCTGCTGGTT
<i>GAPDH</i>	TTGGTGACAACAGGTCAAGC	AAACTTGTGCTCAATGCAA
IV. Primer set used for confirmation of rice transformation		
Primer	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Z3</i> (Transgene-2)	CTATCCTTCGCAAGACCCTT	TGACGACCATGGTGCCAAAGA
V. Primer sets used for genotyping of T-DNA insertion lines		
Primer	Forward primer (5'→3')	Reverse primer (5'→3')
<i>z3-2</i> (LP1/RP1)	CGTGCAGTCGATCTAACACC	ATCATCCGGGTTCAAGAGATG
<i>z3-2</i> (RB/RP1)	TTGGGGTTTCTACAGGACGTAAC	ATCATCCGGGTTCAAGAGATG
<i>z3-3</i> (LP2/RP2)	ACCTGTGGGAACATTTGAGG	TCTTCACCAATGACACCTGC
<i>z3-3</i> (RB/RP2)	TTGGGGTTTCTACAGGACGTAAC	TCTTCACCAATGACACCTGC
VI. Primer set used for dCAPS analysis		
Primer	Forward primer (5'→3')	Reverse primer (5'→3')
dCAPS	CCACCTCCGGTTCGGGGTGAC	CAAAGGGTTCGTTTCATCTATCTC