

Table S1 List of primers used in this study

Primer name	Function	Primer sequences (5'-3')
TaZFP8-CDS	Full cDNA of TaZFP8	F:ATGGCCATGAGCGAGCAAGA R:TTACAGGGTGAGATCCAGGCTCA
TaCML21-CDS	Full cDNA of TaCML21	F:ATGGGAGGCGTGTGGGA R:TCATTCATCGTCGCCTC
q-TaZFP8-5B	qRT-PCR	F:TGCTCCCGCCAGGCAGC R:ACGCGTGGGCGGGTAGTGA
TaZFP8-1as	qRT-PCR	F:CGAGTGCCACTACTGCT R:CTGCCGTTGATCGGCTG
TaZFP8-2as	qRT-PCR	F:CACGCGTACCCCGCCTTC R:CTGCCGTTGATCGGCTG
TaCML21-1as	qRT-PCR	F:ACATGGAACCTTCGGTCAA R:TGAAAGCAATTCCTCAGCTC
TaCML21-2as	qRT-PCR	F:ATAAGTGATCTCTTTGAAGCC R:AGATCTCCTAATCCCATCTTTG
<i>TaPR1</i>	qRT-PCR	F:GAGAATGCAGACGCCCAAGC R:CTGGAGCTTGCACTCGTTGATC
<i>TaPR2</i>	qRT-PCR	F:AGGATGTGCTTCCATGTTGCCG R:AAGTAGATGCGCATGCCGTTGATG
<i>TaEF-1a</i>	qRT-PCR	F:TGGTGTCAAGCCTGGTATGGT R:ACTCATGGTGCATCTCAACGGACT
<i>PstEF1</i>	qRT-PCR	TTCGCCGTCCGTGATATGAGACAA ATGCCATCATGGTGGTGGAGTGA
<i>TaRboh</i>	qRT-PCR	F:ATGTTCCGCAACTTGGTGACT R:CGTCTGCTCTAAGAAGACCACTTTT
<i>TaSOD</i>	qRT-PCR	F:TCCTTTGACTGGCCCTAATG R:CTTCCACCAGCATTTCCAGT
<i>TaCAT</i>	qRT-PCR	F:CGCTCACTGATGCTCGTGTACC R:TCCATCTACATGCTCGGCTTAATCTTG
<i>OsUBQ5</i>	qRT-PCR	F:AACCAGCTGAGGCCCAAGA R:ACGATTGATTTAACCAGTCCATGA
<i>OsUG</i>	qRT-PCR	F:TTCTGGTCCTTCCACTTTCAG R:ACGATTGATTTAACCAGTCCATGA
<i>MoPot2</i>	qRT-PCR	F:ACGACCCGTCTTTACTTATTTGG R:AAGTAGCGTTGGTTTTGTTGGAT
<i>OsRbohA</i>	qRT-PCR	F:GAGCGCGTCTGCCAATAAAC R:TCAATGTAGCCGAGCCCTTC
<i>OsCAT</i>	qRT-PCR	F:TGAAGCCAAGCATGTGAAGA R:GCCCAACGACAACAGAAGAT
<i>OsSOD</i>	qRT-PCR	F:AACAAAGGCAGGGCTGTAGA R:TAAGGTTCCAGGCATCAAG
TaZFP8-1as	VIGS	F:GCTAGCTGAGCGCCGCCGAGTGCCACTACTGCTG R:TTAGCTAGCTGATTAATTAACCTGCCGTTGATCGGC

Primer name	Function	Primer sequences (5'-3')
TaZFP8-2as	VIGS	F:GCTAGCTGAGCGGCCGCCACGCGTACCCCG R:TTAGCTAGCTGATTAATTAACCGGGCTGCCG
TaCML21-1as	VIGS	F:GCTAGCTGAGCGGCCGCTGAAAGCAATTCTTCAGCTCTTCT R:TTAGCTAGCTGATTAATTAACATGGAACCTCCGGTCAAG
TaCML21-2as	VIGS	F:GCTAGCTGAGCGGCCGAGATCTCCTAATCCCATCTTG R:TTAGCTAGCTGATTAATTAATAAGTGATCTCTTTGAAGCCTG
NE-TaZFP8-5B	BiFC	F:CACGGGGGACTCTAGAATGGCCATGAGCGAG R:TCCATCCCGGAGCGGTACCCAGGGTGAGATCCAGGC
CE-TaCML21	BiFC	F:CACGGGGGACTCTAGAATGGGAGGCGTGTTG R:CCCGTTAACTCTAGATTCATCGTCGTCCTCG
BD-TaZFP8-5B	Yeast two-hybrid	F:CATGGAGGCCGAATTCATGGCCATGAGCGAGCA R:GCAGGTCGACGGATCCTTACAGGGTGAGATCCAGGC
BD-TaZFP8-5B ^{AEAR}	Yeast two-hybrid	F:CATGGAGGCCGAATTCATGGCCATGAGCGAGCA R:GCAGGTCGACGGATCCACGTTTGCCCTGTTC
AD-TaCML21	Yeast two-hybrid	F:CATCGATACGGGATCCATGGGAGGCGTGTTG R:GAGGACGACGATGAATGAGGATCCATCGAGCTCG
BD-TaCML21	Yeast two-hybrid	F:CATGGAGGCCGAATTCATGGGAGGCGTGTTT R:GCAGGTCGACGGATCCTCATTCATCGTCGTCCTCG
nLUC-TaZFP8-5B	Split-LUC	F:TCGGTACCCGGGATCCATGGCCATGAGCG R:ACGAGATCTGGTCGACCAGGGTGAGATCCAGGC
cLUC-TaCML21	Split-LUC	F:GCGGTACCCGGGATCCGATGGGAGGCGTGTTG R:AGCTCTGCAGGTCGACTCAITTCATCGTCGTCCTCG
2300-TaZFP8-5B	Subcellular localization Rice transformation	F:GGGTACCCGGGATCCATGGCCATGAGCG R:TGGTACTAGTGTGACCAGGGTGAGATCCAGGC
2300-TaCML21	Subcellular localization	F:TTTGAGAGGACAGGGTACCATGGGAGGCGTGTTG R:TCACCATGGTACTAGTTTCATCGTCGTCCTCGTTT
1300-TaZFP8-5B	Wheat transformation	GGCCTACTAGGATCATGGCCATGAGCGAGC CGAACGAAAGCTCTGTTACAGGGTGAGATCCAGGCTCAC