

SUPPLEMENTARY INFORMATION

Efficiency to Discovery Transgenic Loci in GM Rice Using Next Generation Sequencing Whole Genome Re-sequencing

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Korea

※ pJKS131 vector sequence

1060-2085 : HPTII

2376-2401 : LB T-DNA

8634-8661 : RB T-DNA

8907-9938 : RAmy3D promoter

9945-9965 : Hwang`s 5`UTR

9966-10040 : RAmy3D signal peptide

10041-10204 : EGF mature peptide

10211-10519 : RAmy3D 3`UTR

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      70      80      90     100     110     120
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     190     200     210     220     230     240
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     250     260     270     280     290     300
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     310     320     330     340     350     360
GACCAAAGGG CTATTGAGAC TTTTCAACAA AGGGTAATAT CGGGAAACCT CCTCGGATTC

     370     380     390     400     410     420
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     430     440     450     460     470     480
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     490     500     510     520     530     540
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     550     560     570     580     590     600
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     610     620     630     640     650     660
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     670     680     690     700     710     720
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     730     740     750     760     770     780
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TTATATATGT AATTTTGTAT CCGATTGTAG CGTTCGAATA AGTAGGCAGG CTCTCTAGCC

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10390      10400      10410      10420      10430      10440
TCTAGGTTAA TTGCGGGGCA TATGTAGCTT GCCAGTTAAT TGTGTTTGTA TCACGCAGTT

10450      10460      10470      10480      10490      10500
TGTAACCGTT GGTGCAATAT ATAATGTCAG GTTCAGGATG CAGTAAAAAA TCATACTGCA

10510      10520      10530      10540      10550      10560
CCGATCAGTG AGTTTTTATG AATTC..... .....
```

Supplementary Fig. 1. pJKS131 vector sequence to transfer the *EGF* to the rice genome.