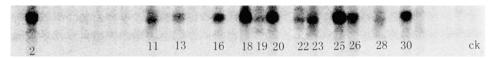
Supplemental figures

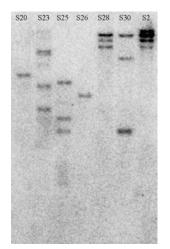
Query: 1	atggattttccgggagggagcgggaggcagcagcagc	tgccgccgatgacg 51
Chints 1		constant and another on CO

Query: CDS of OsbZIP23 from IRAT109 (*Oryza sativa* L. *ssp japonica*) Sbjct: CDS of OsbZIP23 from ZS97 (*Oryza sativa* L. *ssp indica*)

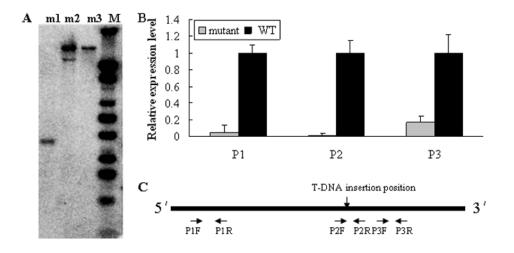
Supplemental Figure 1 A 9-bp deletion in the cDNA sequence of *OsbZIP23* from *japonica* rice IRAT109 compared to *indica* rice ZS97 (only partial cDNA sequence containing the polymorphism was shown.



Supplemental Figure 2 Northern blot analysis of the expression level of *OsbZIP23* in transgenic plants under normal growth conditions. 1-30: 30 independent transgenilc plants. CK; WT.



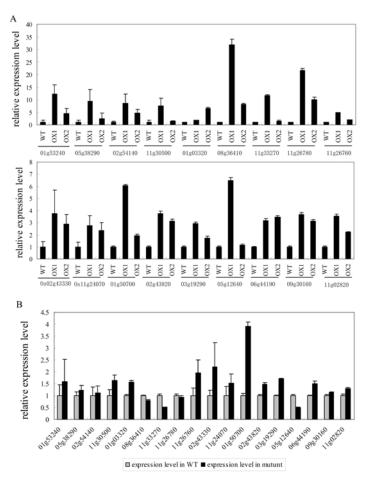
Supplemental Figure 3 Southern blot analysis of T-DNA copy number of *OsbZIP23* transgene. DNA probe of hygromicin phosphotransferase gene was used for hybridization.



Supplemental Figure 5. Identification of *osbzip23* mutant. A, T-DNA copy number of mutant lines checked. m1 is *osbzip23* mutant and the other two mutant lines are for other osbZIP genes. B, Relative transcript levels of the Osbzip23 genes in upstream (P1), across (P2) and downstream of the insertion site checked by real-time PCR. C, Schematic diagram of the amplification regions of the primers used in (B).



Supplemental Figure 5 Phenotype of *Osbzip23* transgenic plants and WT grown on normal MS medium for 10 days.



Supplemental Figure 6 Confirmation of additional genes with expression level changed in the *OsbZIP23* overexpressors (A) and mutant (B) by real time PCR. This result is an addition to the data in Figure 8.