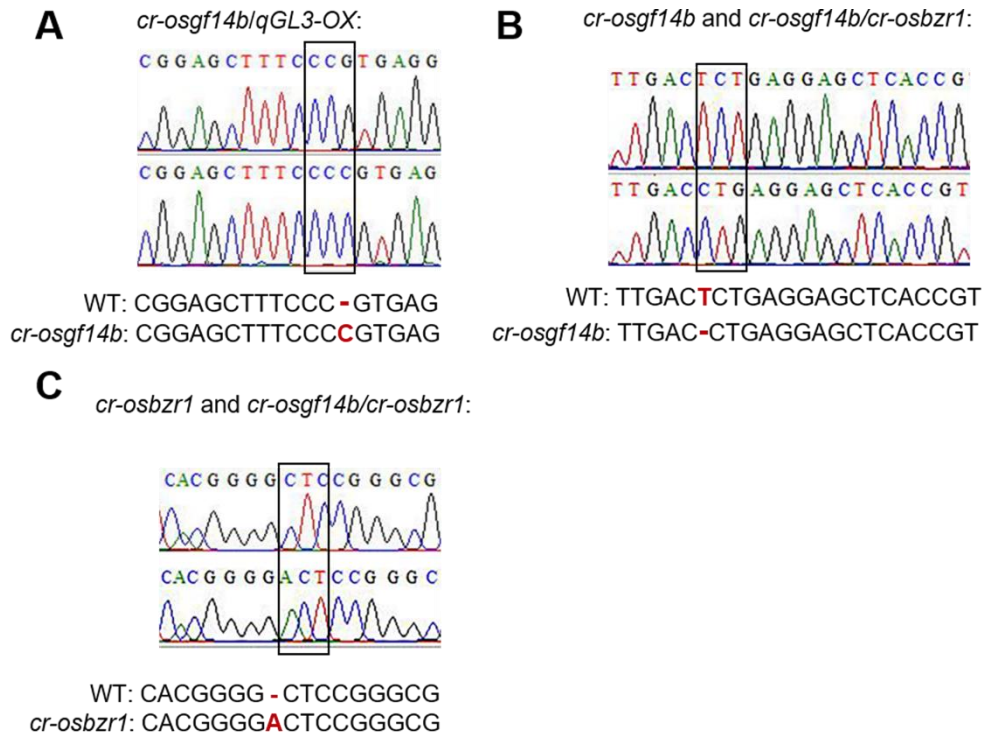
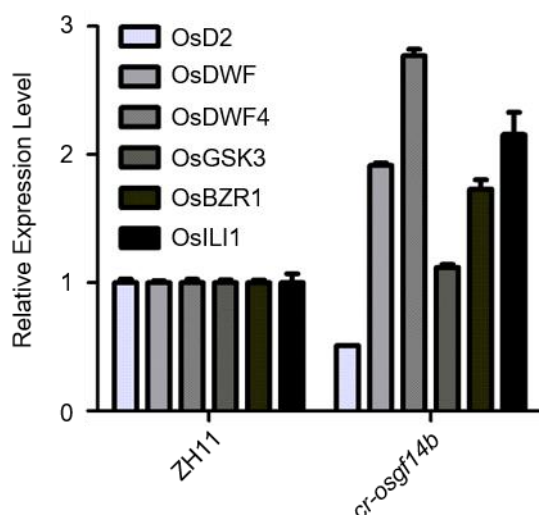


**Supplemental Figure S1.** Molecular characterization of the *osgf14b* mutant. A, Schematic Diagrams of the T-DNA insertion sites in *osgf14b* mutant. Blue boxes represent exons, white boxes represent UTRs, and lines between boxes are introns. B, The mutant was genotyped by PCR using gene- and T-DNA-specific primers. Left panel indicates non T-DNA insertion; right panel, T-DNA insertion. C, The protein level of OsGF14b in the *osgf14b* mutant. The signal was detected by anti-OsGF14b. Rice HSP was used to indicate equal loading of total proteins.



**Supplemental Figure S2.** The sequences of the target genes.



**Supplemental Figure S3.** Expression patterns of BR biosynthesis and signaling-related genes in the seedlings of the WT and *cr-osgf14b* plants. Data are means  $\pm$  SE ( $n = 3$ ).

Supplemental Table S1 Primers used in this study.		
Primer name	Sequence 5'-3'	Purpose
BD-OsBZR1-F	GGCCATGGAGGCCGAATTCATGACGTCCGGGGCGG	Yeast Two-Hybrid assay
BD-OsBZR1-R	CCGCTGCAGGTGCAGGATCCTCATTTCGCGCCGACG	Yeast Two-Hybrid assay
AD-GF14b-F	GAGGCCAGTGAATTCATGTCCGGCACAGGCG	Yeast Two-Hybrid assay
AD-GF14b-R	GAGCTCGATGGATCCTTACTGCCCTCGCT	Yeast Two-Hybrid assay
NE-BZR1-F	GAGAACACGGGGGACTCTAGAATGACGTCCGGGGCGG	BiFC assay
NE-BZR1-R	GTACATCCCGGGAGCGGTACCTTTCGCGCCGACGCCG	BiFC assay
CE-GF14b-F	GAGAACACGGGGGACTCTAGAATGTCGGCACAGGCG	BiFC assay
CE-GF14b-R	GTACATCCCGGGAGCGGTACCCTGCCCTCGCTGGA	BiFC assay
Myc-GF14b-F	AGGACTTGAATTCGGTACCCATGTCCGGCACAGGCG	colP assay
Myc-GF14b-R	AGGCTACGTAGGATCCTTACTGCCCTCGCT	colP assay
BZR1-GFP-F1	GCTTTCGCGAGCTCGGTACCATGACGTCCGGGGCGG	colP assay
BZR1-GFP-R1	CCCTTGCTCACCATGGTACCTTTCGCGCCGACGCCG	colP assay
OsGF14b-target1	ACAGGCGGAGCTTCCCGTG	CRISPR
OsGF14b-target2	GGCCAAGACGGTTGACTCTG	CRISPR
OsBZR1-target	CCAAGATCTTCACGGGGCTC	CRISPR
OsBZR1-qF	TCCCGTACCTGTCATGTGCATC	Primer for RT-qPCR
OsBZR1-qR	GGTACGTCAAAGCGATCATGCC	Primer for RT-qPCR
OsGSK3-qF	AGCAACATGAACCAAGGATGCC	Primer for RT-qPCR
OsGSK3-qR	AGCCAAACCACGGAATATCTGG	Primer for RT-qPCR
OsD2-qF	TTCAACCCATGGAGGTGGAAGGAG	Primer for RT-qPCR
OsD2-qR	AGCTGGTGACCAAGTGGTGAAG	Primer for RT-qPCR
OsDWF4-qF	TAAACGAGACGTTGCGGCTAGG	Primer for RT-qPCR
OsDWF4-qR	CATCCGCTTGAATGTCATAACCC	Primer for RT-qPCR
OsDWF-qF	ATCCAGGCCAAGACCAAGGAGATG	Primer for RT-qPCR

OsDWF-qR	TGCCAAGCACAAGGGTGTAGAG	Primer for RT-qPCR
OsLI1-qF	GTAATTTGCAACCATGTCGAGCAG	Primer for RT-qPCR
OsLI1-qR	CCTGAAGCTTGGAGAGAAGCTC	Primer for RT-qPCR