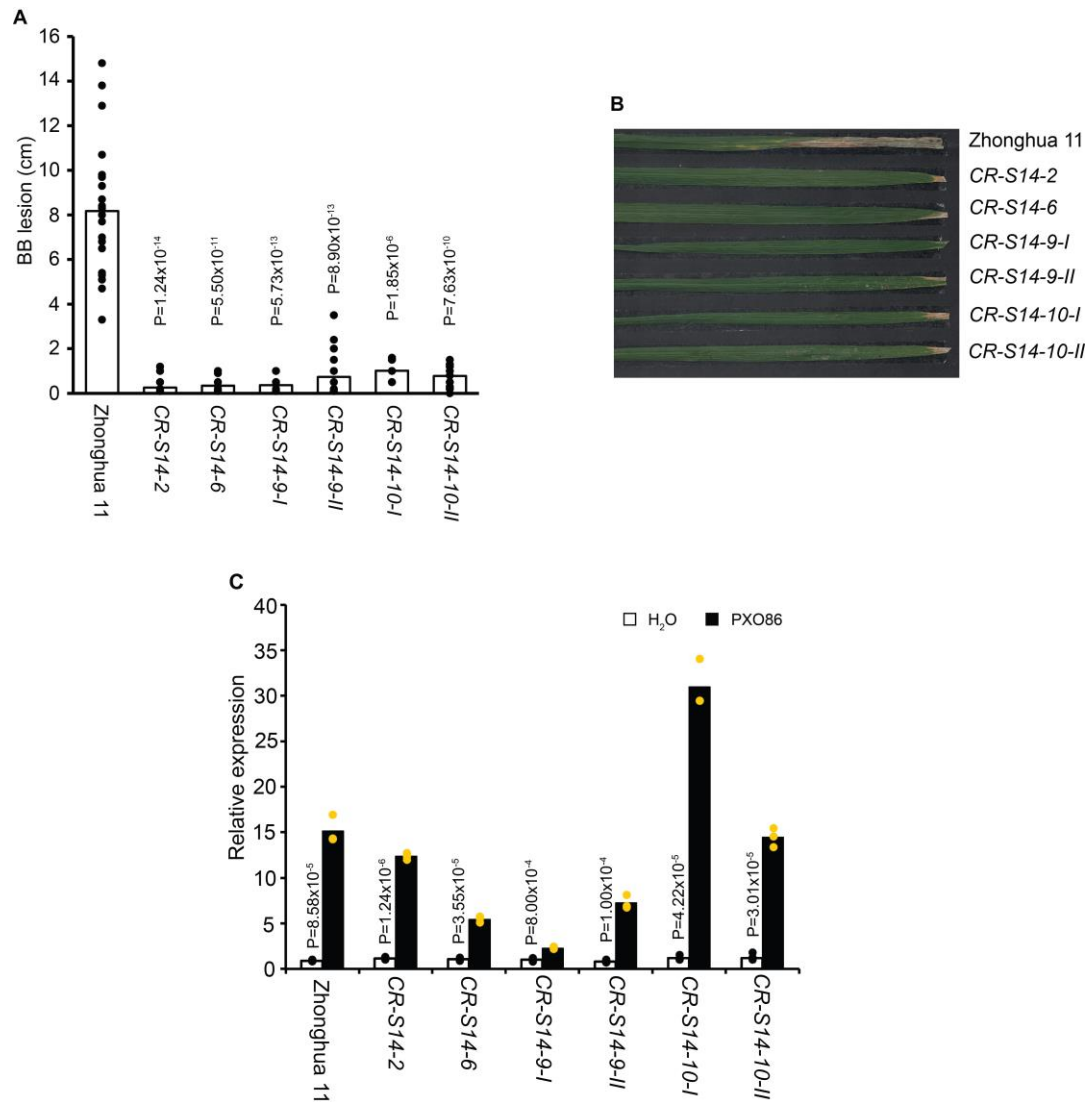




Additional file 5 *CR-S14* confers strong resistance to PXO86. (A) Lesion lengths of *CR-S14* and Zhonghua 11 inoculated with PXO86 which harboring AvrXa7 at 14 days after inoculation ($n > 15$). (B) Phenotype of *CR-S14* and Zhonghua 11 at 14 days after inoculation with PXO86. *CR-S14-2*, *CR-S14-6*, *CR-S14-9-I*, and *CR-S14-9-II* are rice plants harbor different homozygous *OsSWEET14* mutant alleles in Zhonghua 11 background. Lesion lengths on inoculated leaves were scored 14 days after inoculation. (C) Induction of mutant alleles by PXO86. Leaves of six-week-old rice plants were inoculated with PXO86 and H₂O by syringes and collected at 48 hours after inoculation. Zhonghua 11 was used as control. The

expression level of *OsSWEET14* in Zhonghua 11 or *OsSWEET14* mutant alleles in genetic modified plants inoculated with PXO86 was normalized to those inoculated with H₂O which were all set as '1'. Rice ubiquitin gene 5 (*Ubi5*) was used as reference gene. Statistical analysis was performed using two-tailed Student's *t* test.