



**Figure S4. *pub20* mutant.** (A) A schematic representation of *pub20* allele, with the T-DNA insertion shown as an inverted triangle. Primer pairs used for genomic PCR analysis (B) and RT-PCR analysis (C) are shown with arrows. The U-box domain (black box) and the ARM repeat domain (gray box) were predicted by comparing the amino acid sequence of PUB20 with PUBs described by Trujillo, Ichimura, Casais and Shirasu (Current Biology 18: 1396-1401, 2008). (B) Confirmation of T-DNA insertion in the *pub20* mutant by genomic PCR. The sequences of primers specific to *PUB20* ORF (FW2 and RV2) is shown in Table S3. The sequence of the T-DNA-specific primer LB3 was obtained from the website of The Nottingham Arabidopsis Stock Centre (NASC; <http://arabidopsis.info/>). (C) Expression analysis of *UBQ5* and *PUB20* by RT-PCR. Primers are listed in Table S2 and S3.