Title: The AtTudor2, a protein with SN-Tudor domains, is involved in control of seed germination in Arabidopsis

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Supplementary Figures

Fig. S1 The prediction of functional domains of AtTudor1 and AtTudor2 in Smart database. a Structural analysis of AtTudor1. b Structural analysis of AtTudor2. SN1, SN2, SN3 and SN4 means four SN domains; TSN means C-terminal Tudor-SN domain. Numbers indicated amino acid positions.
**Fig. S2** Expression of *AtGA20ox1*, *AtGA20ox2* and *AtGA3ox2* in seeds of WT and *tudor2* detected by semi-quantitative RT-PCR. *Actin8* was used as control.

**Fig. S3** Expression of *AtGA20ox1*, *AtGA20ox2* and *AtGA3ox2* in dry seeds of RNAi transgenic lines detected by semi-quantitative RT-PCR. *Actin8* was used as control. CK, RNAi transgenic line R#4 not induced with DEX; R#1, R#2, R#3, R#4 and R#5, various RNAi transgenic lines induced with DEX.
**Fig. S4** Expression of *AtGA20ox3* in developing siliques of RNAi transgenic lines detected by quantitative real-time PCR. CK, RNAi transgenic line R#4 not induced with DEX; R#2, R#4, RNAi transgenic lines induced with DEX. Error bars indicate SE for average of three independent experiments.