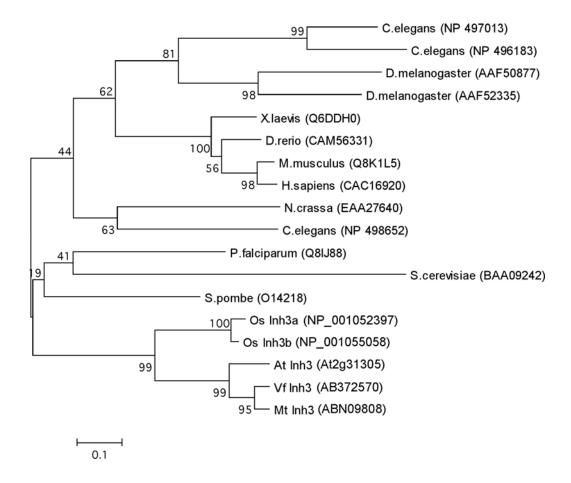
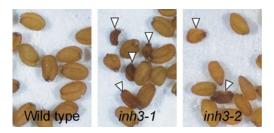
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Vf Inh3 (AB372570) Mt Inh3 (ABM09808) At Inh3 (AEM09808) At Inh3 (AF2g31305) OS Inh3a (NP_001052397) OS Inh3b (NP_001055058) P.falciparum (081388) N.crassa (EAA27640) S.cerevisiae (BAA09242) S.pombe (014218) C.elegans (NP_498652) C.elegans (NP_497013) C.elegans (NP_497013) C.elegans (NP_496183) D.melanogaster (AAF50877) D.melanogaster (AAF52335) D.rerio (CAM56331) X.laevis (Q6DDH0) M.musculus (Q8K1L5) H.sapiens (CAC16920)		-SDE-DDIPHHSDHIP -SEEEDDNNHHCDHN -SDDDPDGG-RRSPP -SSDLEDDGGGRRSPP -SSDL SDWLEPDTQ -SSSDL SDWLEPDTQ -SSSDL SDWLEPDTQ -HHSDDGSSSSSSSSSDSDSDNEYETEHCRGHTLPE -EEHETEHCRGHTLPE -TDDECEHCFGHPEKRQ -SESSEGDDEFGCGSAH -SESSE DDDDCCESAH -SESSE DDDDCCESAH		[115] [115] [99] [110] [113] [96] [148] [117] [99] [107] [140] [116] [110] [108] [1105]
Vf Inh3 (AB372570) Mt Inh3 (ABN09808) At Inh3 (AP09808) At Inh3 (AP_001052397) OS Inh3a (NP_001055058) P.falciparum (Q81388) N.crassa (EAA27640) S.cerevisiae (BAA09242) S.pombe (014218) C.elegans (NP_498652) C.elegans (NP_497013) C.elegans (NP_496183) D.melanogaster (AAF50877) D.melanogaster (AAF50877) D.melanogaster (AAF50877) D.melanogaster (AAF50877) M.musculus (Q8K1L5) H.sapiens (CAC16920)		SPGGSK		

Supplemental Figure S1. Multiple Alignments of the Inh3 Protein Sequences by CLUSTAL W.

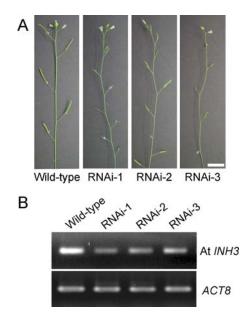


Supplemental Figure S2. Neighbor-Joining Phylogenetic Tree of Inh3 Protein Sequences with Bootstrap Values (1000 replicates).



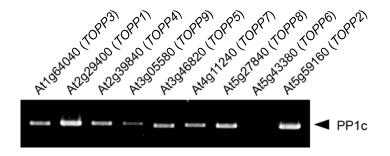
Supplemental Figure S3. Dry Mature Seeds from Siliques of Wild-type and Heterozygous *inh3* Mutants.

Arrowheads indicate shriveled and dark brown seeds.



Supplemental Figure 4. Seed Development Defect by RNAi-mediated Suppression of At *INH3* Expression

- **(A)** Phenotypes of inflorescence in wild-type and At *INH3*-RNAi T2 lines (RNAi-1, RNA-2, and RNAi-3). The bar represents 1 cm.
- **(B)** Expression of At *INH3* transcripts in wild-type and three At *INH3*-RNAi T2 lines determined by RT-PCR. Total RNA was extracted from immature siliques of both wild-type and RNAi lines. *ACT8* was used as an internal control.



Supplemental Figure S5. RT-PCR Analysis of the Expression of the Arabidopsis PP1c Isoforms in Young Green Siliques.