

Localization of *myo*-inositol-1-phosphate synthase to the endosperm in developing seeds of *Arabidopsis*.

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Supplemental Figure and Figure Legends

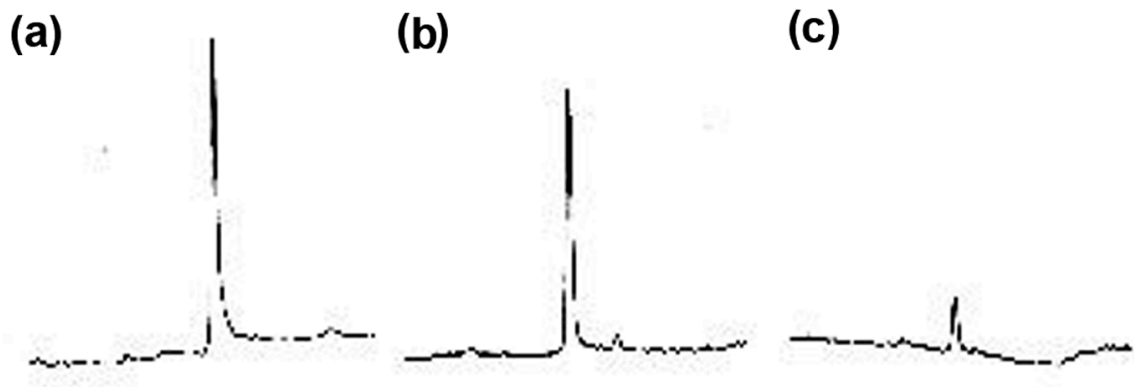


Figure S1. Examples of chromatogram of InsP₆ measurements with ion chromatography. (a) InsP₆ in endosperm and embryo. (b) InsP₆ in embryo after washing-out with pure water. (c) InsP₆ in seed coat.

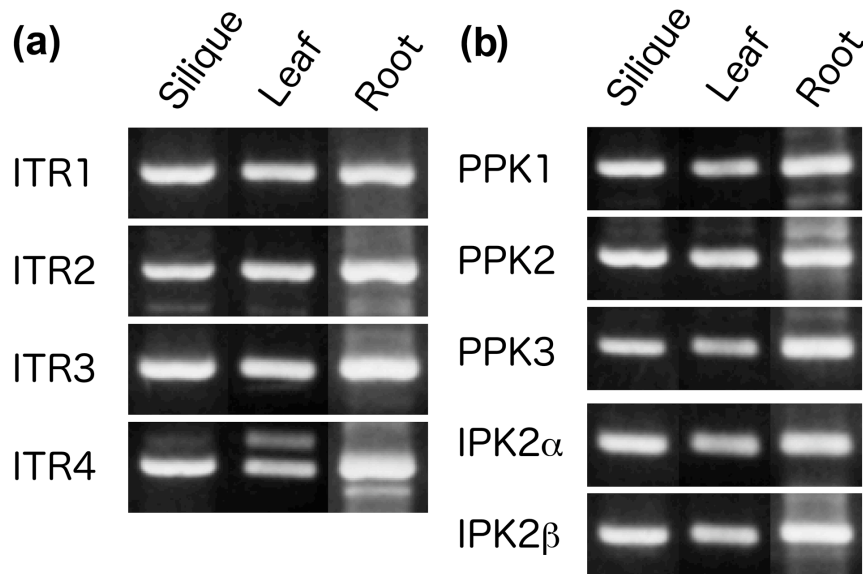


Figure S2. Expression of inositol transporters (a) and several InsP₃ kinase genes (b) in silique, leaf and root tissue. PPK: Inositol 1,3,4-trisphosphate 5/6-kinase, ITR: Inositol transporter, IPK2: Ins(1,4,5)P₃ kinase. The following primer sets were used for RT-PCR, AtITR1 (At4g16480) 5'-GCATGTCTTATCATCTTAGCCACG-3', 5'-GCCCAAACAACTATAGCTAAGA-3', AtITR2 (At2g35740) 5'-ACTTGCCTTGTCATTTTGGCT-3' and 5'-AAGGAAGACAATGGCCAGGT-3', AtITR3 (At2g43330) 5'-GATAGTCCAAATGGCTGGATTTC-3' and 5'-CTAAGCCAAGCACAGCGAG-3', AtITR4 (At1g30220) 5'-CATTATCTCGCTAGGAATACTAACCG-3' and 5'-GTCCCAATCCAAGAAGAGCA-3', PPK1 (At5g16760) 5'-TCGAACACTCAAGGCAACGA-3' and 5'-TCCGGGACACCAAATCTCTC-3', PPK2 (At4g08170) 5'-CCGGAGGCTGTCAATAATGC-3' and 5'-CACAAGAGACCCGTGGGAAG-3', PPK3 (At4g33770) 5'-GCAGACTTGGACCCTCGTGT-3' and 5'-TTTGACCTGCGCCAGATTTT-3', AtIPK2 α (At5g07370) 5'-TAAAGGGAATGATGATGATGCTA-3' and 5'-CTAAGAATCTGCAGACTCATCTGG-3', AtIPK2 β (At5g61760) 5'-CAATCTTGATGCAAGGAGGAG-3' and 5'-CTAGCGCCCGTTCTCAAGT-3'