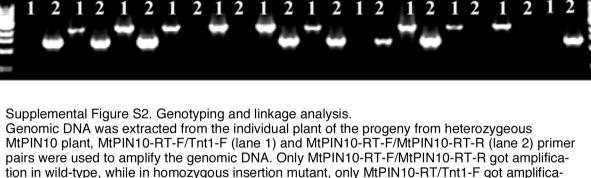


Tissue-specific expression pattern of MtPIN4, MtPIN5 and MtPIN10 was analyzed using Affymetrix GeneChip Medicago Genome Array-based Medicago Gene Expression Atlas (http://mtgea.noble.org/v2/). Shown are the expression profiles of MtPin4, MtPIN5 and MtPIN10 in major organs including roots, nodules, stems, petioles, leaves, vegetative buds, flowers, seeds and seed pods

with detailed developmental time series for nodules and seeds.



tion, both primer pairs got amplification in heterozygous plant. Only the homozygous plants showed the abnormal phenotype, including abnormal phylotaxy and flower development, deformed compound leave, smooth leaf margins and plants being infertile.