



Fig. S5 RNA *in situ* hybridization assays to validate the expression pattern of marker genes. *ARF1* exhibits predominant expression in the phloem and cambium across both aboveground and subterranean pegs. *ncbi_112740337* shows strong enrichment in the xylem of both aerial and subterranean pegs. *ncbi_112703413* is primarily detected in the epidermis and exodermis of aerial and underground pegs, with additional detectable expression in the ovule of subterranean pegs.