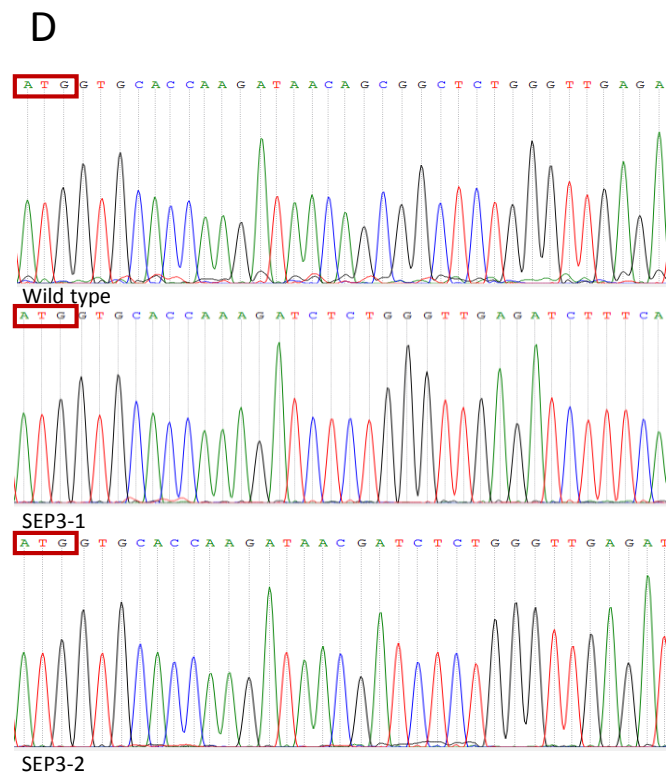
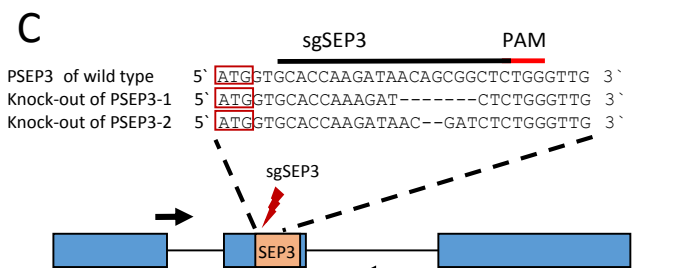
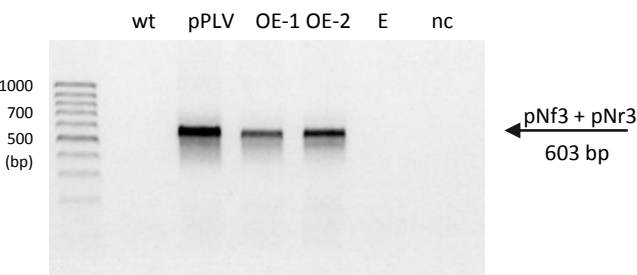
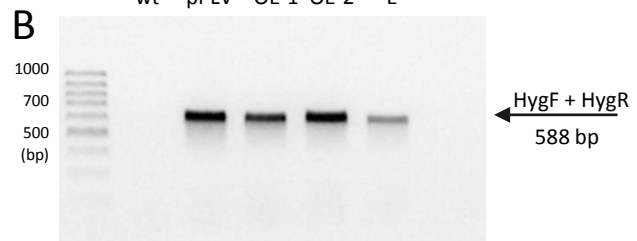
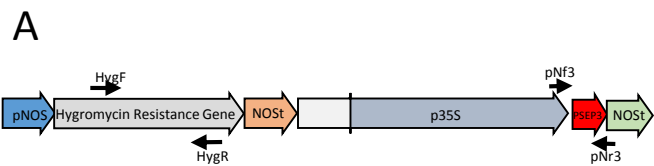




Supplemental Fig. S10. Construction of the overexpressed and knockout *PSEP3* mutant lines. A. Scheme of the expression cassette used for obtaining overexpressed *PSEP3* lines. The NOS promoter and terminator (pNOS and NOST), specific promoters (p35S), specific primers (pNf3, pNr3, HygF and HygR), sORF sequence (*PSEP3*) are indicated. **B.** The results of PCR analysis of expression cassette integration. Fragments length: 588 bp for HygF and HygR pair. wt- wild type, pPLV - pPLV-Hpa-3FR-SacI plasmid, OE1, OE2, - *PSEP3* over-expressed lines, E – control transformed by empty plasmid, nc - negative control. **C.** Scheme of an sgRNA targeting of *PSEP3* (sgSEP3). Knock-out lines of *PSEP3* harbor frameshift deletions. *Black arrows* indicate the positions of sequencing primers. *Red frames* indicate the positions of start codon. **B.** Sanger sequencing confirmed deletion of seven and two nucleotides of wild type and *PSEP3* knock-out lines.