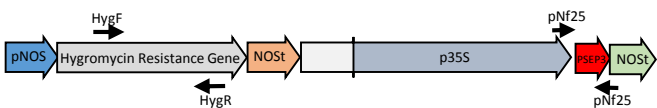
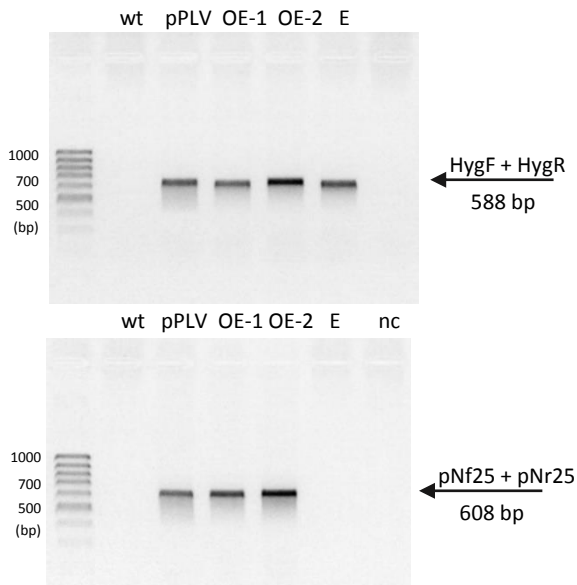


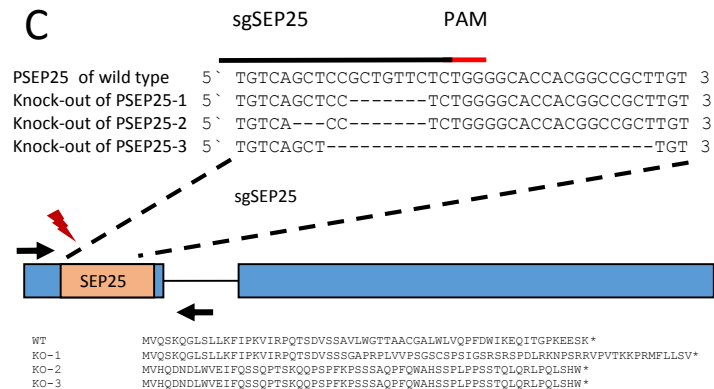
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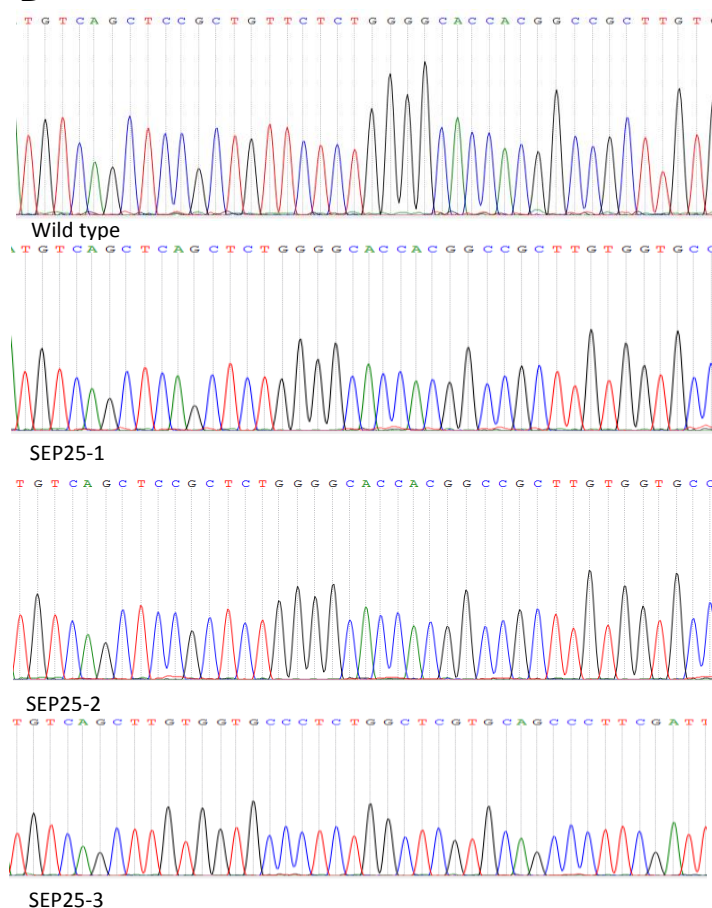
B



C



D



Supplemental Fig. S11. Construction of the overexpressed and knockout *PSEP25* mutant lines.

A. Scheme of the expression cassette used for obtaining overexpressed *PSEP25* lines. The NOS promoter and terminator (pNOS and NOST), specific promoters (p35S), specific primers (pNf25, pNr25, HygF and HygR), sORF sequence (*PSEP25*) 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-25FR-SacI plasmid, OE1, OE2, - *PSEP25* over-expressed lines, E – control transformed by empty plasmid, nc - negative control. **C.** Scheme of an sgRNA targeting of *PSEP25* (sgSEP25). Knock-out lines of *PSEP25* harbor frameshift deletions. *Black arrows* indicate the positions of sequencing primers. **D.** Sanger sequencing confirmed deletion of seven, ten and twenty nine nucleotides of wild type and *PSEP25* knock-out lines.