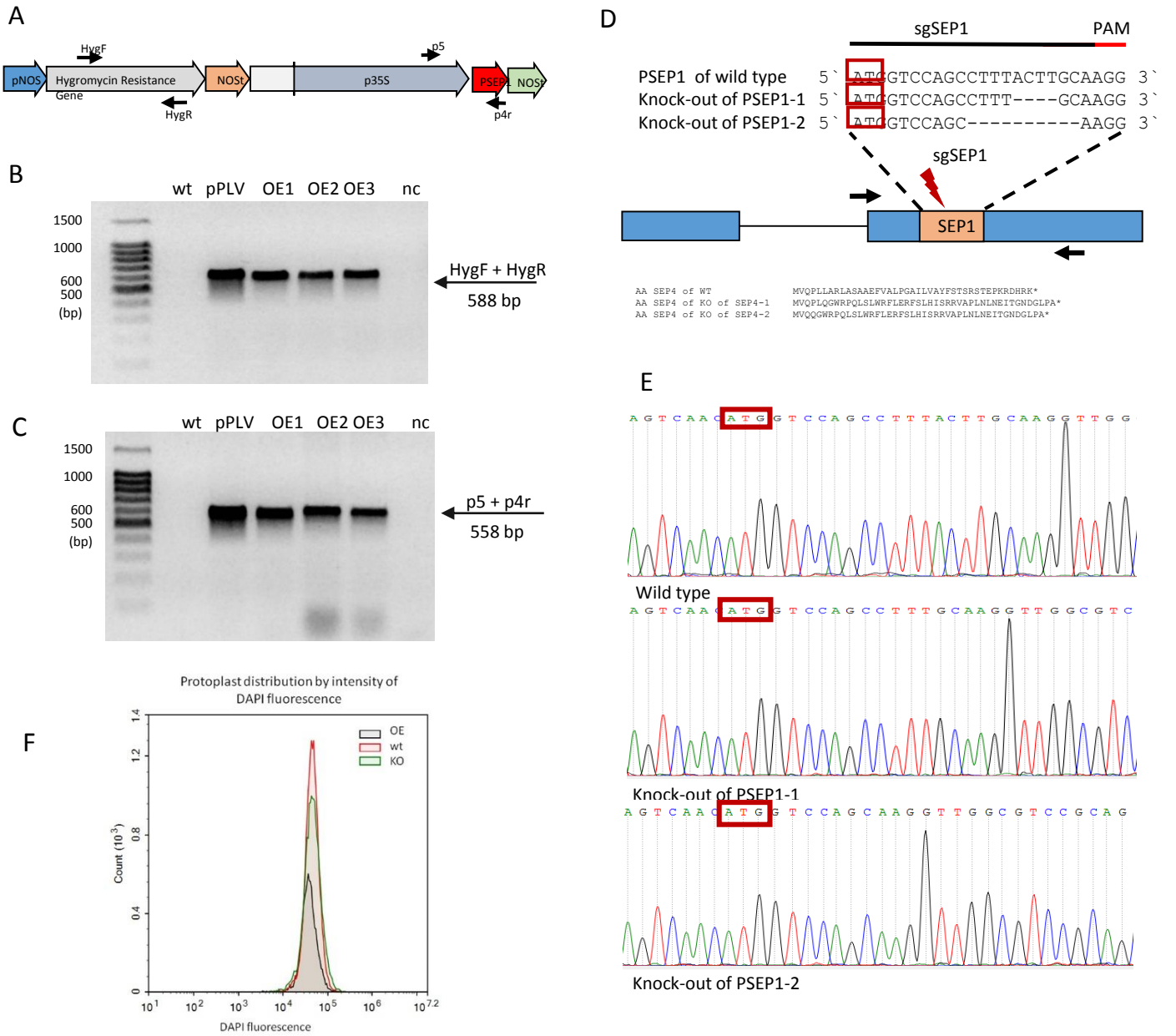

Supplemental Fig. S9. Construction of the overexpressed and knockout *PSEP1* mutant lines. **A.** Scheme of the expression cassette used for obtaining overexpressed *PSEP1* lines. The NOS promoter and terminator (pNOS and NOSt), specific promoters (p35S), specific primers (p5, p4r, HygF and HygR), sORF sequence (*PSEP1*) 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-4FR-SacI plasmid, OE1, OE2, OE3 - PSEP1 over-expressed lines, nc - negative control. **C.** The results of PCR analysis of expression cassette integration. Fragments length: 558 bp for p5-p4r pair, wt- wild type, pPLV - pPLV-Hpa-4FR-SacI plasmid, OE1, OE2, OE3 - *PSEP1* over-expressed lines, nc - negative control. **D**. Scheme of an sgRNA targeting of PSEP1 (sgSEP1). Knock-out lines of *PSEP1* harbor frameshift deletions. *Black arrows* indicate the positions of the sequencing primers. *Red* frames indicate the positions of start codon. **E**. Sanger sequencing confirmed deletion of four and ten nucleotides in knock-out lines of *PSEP1*. **F.** The result of the flow cytometry analysis for PSEP1 mutant lines.