

Figure S5

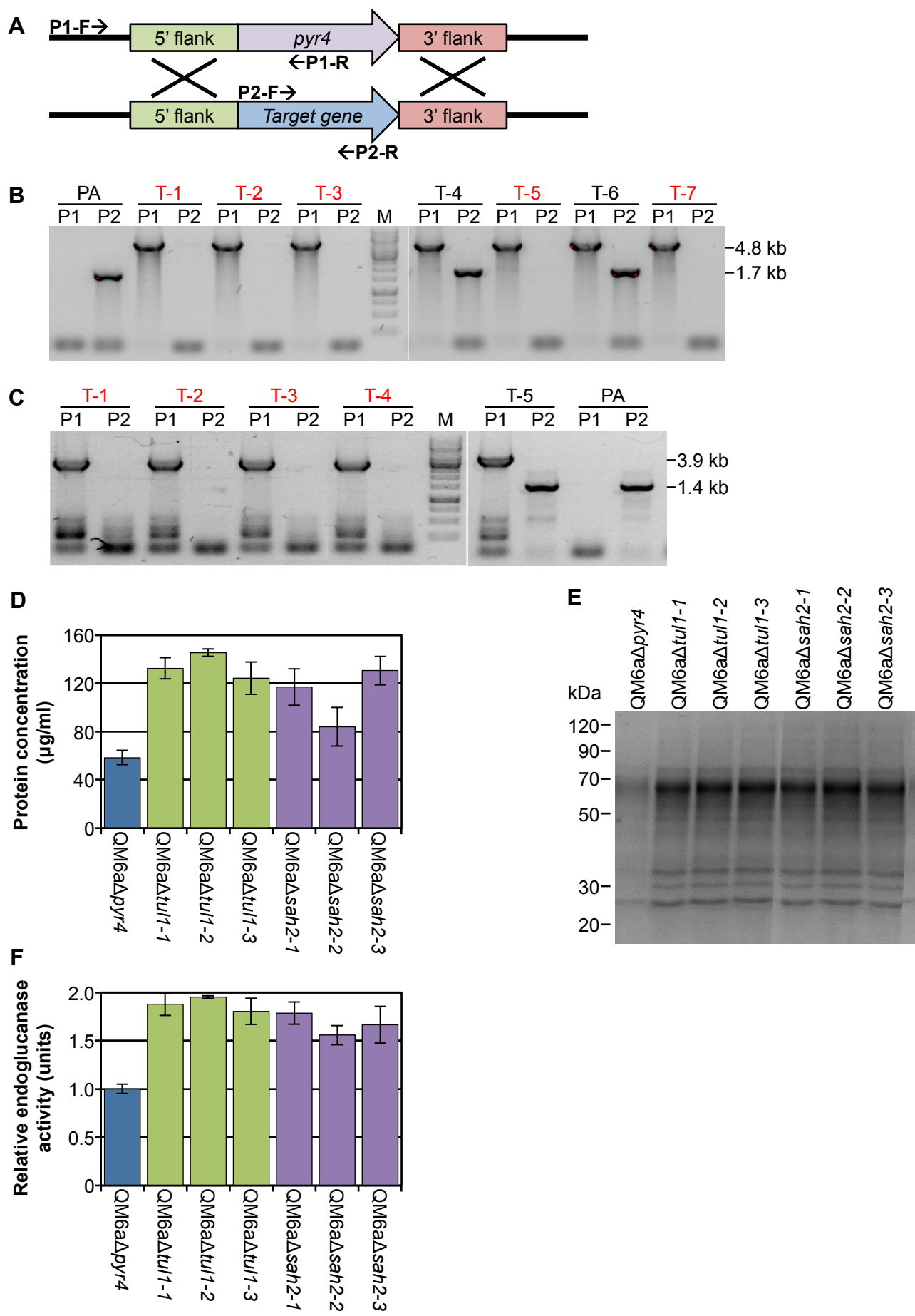


Figure S5. Generation of *tul1* and *sah2* deletion mutants in *T. reesei* and their corresponding hyper-production phenotypes. (A-C) Genotyping of *T. reesei* transformants. **(A)** Schematic drawing of the primer positions for analytic PCR of the deletion loci. **(B-C)** PCR analysis of $\Delta tul1$ transformants **(B)** and $\Delta sah2$ transformants **(C)**. M indicates DNA ladder marker, PA indicates parental QM6a $\Delta pyr4$ strain, T indicates transformant strains. Transformants highlighted in red indicate positive transformants. **(D)** Total secreted protein. **(E)** Endoglucanase activity. Conidia from the indicated strains were inoculated directly into growth media containing Avicel and cultured for 7 days. Statistical analysis for protein and enzyme activity levels relative to the parental QM6a $\Delta pyr4$ (n = 3) were performed as indicated in Figure 1. **(F)** SDS-PAGE analysis of total secreted protein 6 days after inoculation, with equal volumes loaded.