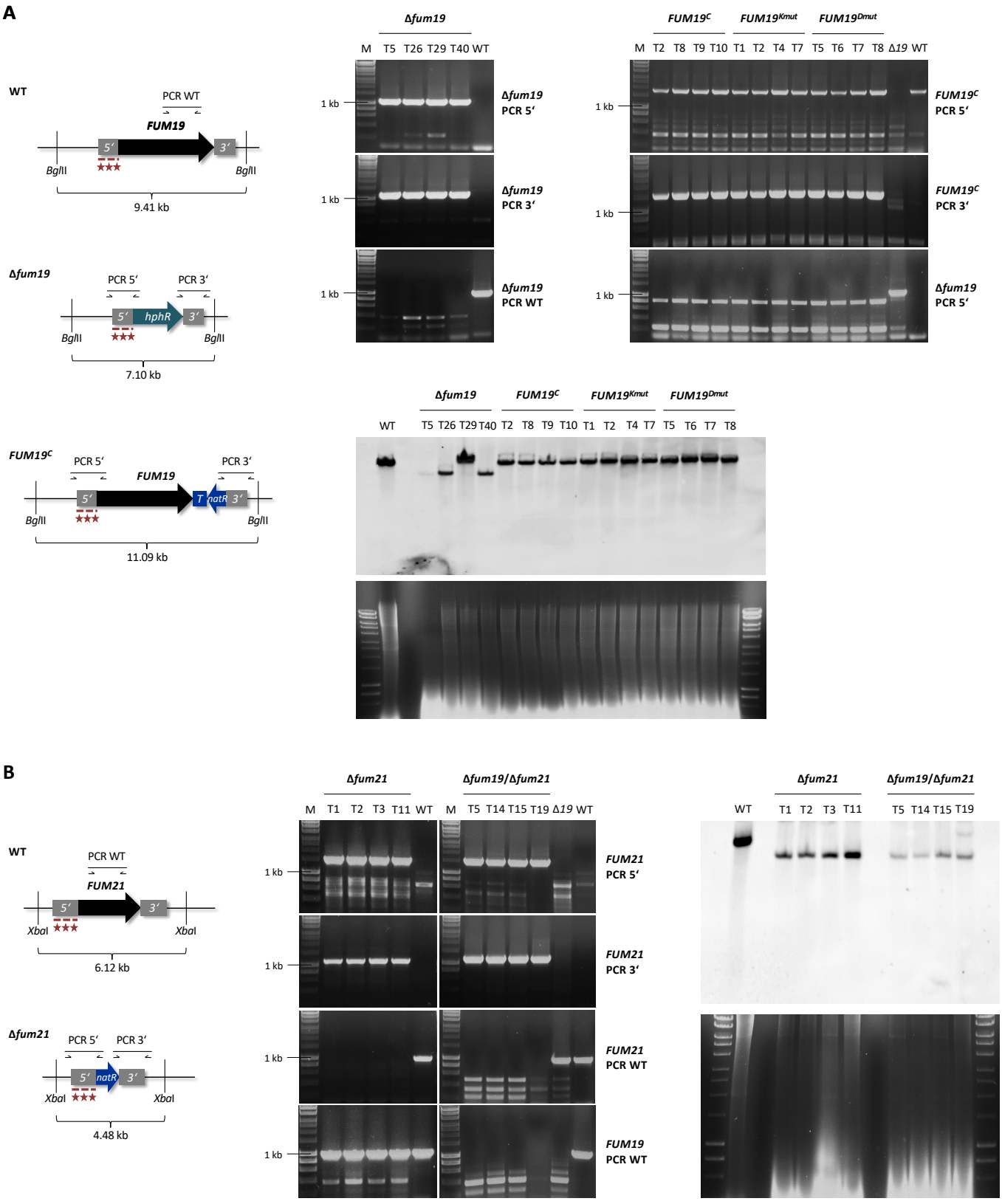

Figure S7. Verification of *FUM19* and *FUM21* mutants by diagnostic PCR and Southern blot. A) Deletion of *FUM19 via* homologous recombination with the hygromycin B resistance cassette (*hphR*), and subsequent complementation with the full-length (point-mutated) gene and nourseothricin resistance cassette (*natR*). Diagnostic PCR verified the correct recombination of 5' and 3' flanks, and the absence of untransformed nuclei for four independent Δ*fum19*, *FUM19*^{C}, *FUM19*^{Kmut} and *FUM19*^{Dmut} mutants, respectively. Genomic DNA of transformants and WT was digested with *Bgl*II, and the 5' flank was applied for probing. Δ*fum19* T29 showed an ectopic integration and was not chosen for further analyses. **B)** Deletion of *FUM21* in the WT and Δ*fum19* backgrounds *via* homologous recombination with *natR*. Genomic DNA was digested with *Xba*I, and the 5' flank was applied for probing.