S4 Figure. Growth, conidiation and verification of deletion of chs and cda genes.

(A) Growth on PDA of generated chitin synthase (Δchs1-8) deletion and the exomer adaptor and export chaperon mutants (Δcse5, Δcse7) after 7 days and the chitin deacetylase (Δcda1-6) deletion mutants, and the parental T. atroviride strain (WT) after 36h and 7 days. (B) Growth of WT and Δchs1, Δchs2 and Δchs5 on PDA plates containing 1.2 M sorbitol after 7 days. (C) DIC microscopy of hyphal morphology of chs1, chs5, cse5 and cse7 deletion mutants in comparison to the wild type; scale bar = 100 μm. (D) Verification of the integration of the hygromycin B cassette, replacing the respective chitin synthase and chitin deacetylase genes at the correct locus, on 1 % agarose gels. WT amplification served as negative control. Primers used for verification are listed in Table S4, correct height in bp for WT and deletion cassettes in the knock out strains is indicated.