**A quantitative image analysis pipeline for the characterization of filamentous fungal morphologies as a tool to uncover targets for morphology engineering: a case study using *aplD* in *Aspergillus niger***

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**Supplementary File S6:** Phenotypic screening of *aplD* conditional expression mutants reveal defects in growth and susceptibility/resistance to oxidative stress following titration of gene expression. Serial spore dilutions were inoculated in 10 µl volumes onto CM or MM supplemented with various concentrations of doxycycline (Dox). Plates were incubated at 30°C in the dark, and images captured after 3 days (or 7 days for 10 mM H2O2). Representative images are shown for technically triplicated experiments.

