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The role of autophagy during carbon starvation in *Aspergillus niger* Burggraaf, M.A.

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Supplementary material

Chapter 2

Figure S1 Southern analysis for the transformation of the *PgpdA-NcitA::gfp-TtrpC-pyrG** construct into *A. niger* strain AB4.1

Figure S2 Southern analyses for *atg1*, *atg8* and *atg17* deletions in the N402 background

Figure S3 Southern analyses for *atg1*, *atg8* and *atg17* deletions in the BN38.9 background

Figure S4 Southern analyses for complementation of $\Delta atg1$, $\Delta atg8$ and $\Delta atg17$ in BN56.2, BN57.1 and BN58.1 backgrounds

Figure S5 Complementation studies for sensitivity phenotypes

Table S1 Primers used in this study

Chapter 3

Table S1 Genome-wide transcriptome data of *A. niger* $\Delta atg1$ compared to *A. niger* N402

Table S2 Enriched GO-terms related to bioprocesses among differentially expressed genes

Chapter 4

Figure S1 Southern analyses for *atg* deletions in MA78.6, MA97.2, MA134.64 and MA136.18 backgrounds

Figure S2 Amino acid sequence of the *A. niger* glucoamylase protein

Figure S3 Southern analyses for the integration of *PgpdA-wtglaA::gfp-TtrpC-pyrG*** and *PgpdA-mtglaA::gfp-TtrpC-pyrG*** constructs on the *pyrG* locus in MA169.4, AW27.10, AW28.12 and AW30.3 backgrounds

Chapter 5

Figure S1 Southern analysis for the deletion of *pepN* in MA234

Figure S2 Amino acid sequence of the *A. niger* PepN protein

Figure S3 Alignment of the amino acid sequences of PepA and PepN orthologs using Clustal Omega

List of publications

Jørgensen, T.R., **Burggraaf, A.-M.**, Arentshorst, M., Schutze, T., Lamers, G., Niu, J., Kwon, M.J., Park, J., Frisvad, J.C., Nielsen, K.F. Meyer, V., Hondel, C.A.M.J.J. van den, Dyer, P.S., and Ram, A.F.J. (2020) Identification of SclB, a Zn(II)2Cys6 transcription factor involved in sclerotium formation in *Aspergillus niger*. *Fungal Genet Biol* **139**: 103377.

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Curriculum vitae

Anne-Marie Burggraaf werd geboren op 24 februari 1988 te Alphen aan den Rijn en groeide op in Stolwijk. Na het behalen van haar VWO diploma in 2006, studeerde ze Biologie aan de Universiteit Leiden. Tijdens haar master Molecular and Cellular Biosciences deed zij een onderzoeksproject bij de afdeling Molecular Microbiology and Biotechnology. In 2011 studeerde ze cum laude af en begon in dezelfde onderzoeksgroep aan het promotieonderzoek wat resulteerde in dit proefschrift. Anne-Marie werkt momenteel als data engineer bij Eneco.

