



University of Groningen

Genetic factors and analysis of protein misfolding in vivo

Holmberg, Mats

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version Publisher's PDF, also known as Version of record

Publication date: 2015

Link to publication in University of Groningen/UMCG research database

Citation for published version (APA):

Holmberg, M. (2015). Genetic factors and analysis of protein misfolding in vivo. University of Groningen.

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: https://www.rug.nl/library/open-access/self-archiving-pure/taverneamendment.

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): http://www.rug.nl/research/portal. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Download date: 25-08-2022

Mats Holmberg

Genetic factors and analysis of protein misfolding in vivo

Doctoral Thesis University of Groningen

Graduate school of the University of Groningen

Cover design Mats Holmberg

Printing by Eprint Sverige

© 2015 Mats Holmberg. No part of this book may be reproduced or transmitted in any form without permission by the author.

ISBN: 978-90-367-8035-3



Genetic factors and analysis of protein misfolding in vivo

PhD thesis

to obtain the degree of PhD at the University of Groningen on the authority of the Rector Magnificus Prof. E. Sterken and in accordance with the decision by the College of Deans.

This thesis will be defended in public on

Wednesday 9 September 2015 at 11.00 hours

by

Mats Anders Holmberg

born on 28 May 1977 in Västerhan, Sweden

Supervisor

Prof. E.A.A. Nollen

Co-supervisors

Prof. F. Mulder

Prof. C. Andreasson

Assessment Committee

Prof. H.H. Kampinga

Prof. P.J.M. van Haastert

Prof. D.J. Slotboom

Table of Contents

List of Abbreviations

Chapter 1 General Introduction
Chapter 2 Identification of MOAG-4/SERF as a regulator of age-related proteotoxicity
Chapter 3 Analysing modifiers of protein aggregation in *C. elegans* by native agarose gel electrophoresis
Chapter 4 A versatile bacterial expression vector designed for single-step cloning of multiple DNA fragments using homologous recombination
Chapter 5 Discussion
Summary
Dutch Summary
Acknowledgements