

University of Groningen

Engineering specificity and activity of thermolysin-like proteases from *Bacillus*

de Kreij, Arno

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:

2001

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

de Kreij, A. (2001). *Engineering specificity and activity of thermolysin-like proteases from Bacillus*. s.n.

Copyright

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/taverne-amendment>.

Take-down policy

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.

List of Publications

de Kreij, A., van den Burg, B., Venema, G., Vriend, G., Eijsink, V.G.H., and Nielsen, J.E. (2001) The effects of modifying the surface charge on the catalytic activity of a thermolysin-like protease. (submitted)

de Kreij, A., van den Burg, B., Veltman, O.R., Vriend, G., Eijsink, V.G.H., and Venema, G. The effect of changing the hydrophobic S1' subsite of a thermolysin-like protease on substrate specificity (submitted)

de Kreij, A., Venema, G., and van den Burg, B. (2000) Substrate specificity in the highly heterogeneous M4 peptidase family is determined by a small subset of amino acids. *J.Biol.Chem.* **275**, 31115-31120.

van den Burg, B., **de Kreij, A.**, and Venema, G. (1999) Hydrolysis of industrial substrates by an extremely stable thermolysin-like protease variant obtained by protein engineering. *Biotechnology Letters* **21**, 537-542.

van den Burg, B., **de Kreij, A.**, van der Veek, P., Mansfeld, J., and Venema, G. (1999) Characterization of a novel stable biocatalyst obtained by protein engineering. *Biotechnology and applied Biochemistry* **30**, 35-40.

Veltman, O.R., Eijsink, V.G.H., Vriend, G., **de Kreij, A.**, Venema, G., and van den Burg, B. (1998) Probing catalytic hinge-bending motions in thermolysin-like proteases by glycine → alanine mutations. *Biochemistry* **37**, 5305-5311.

Gilardi, G., **de Kreij, A.**, Mei, G., Rosato, N., Finazzi-Agro, A. and Cass, A.E.G. (1995) Potential of protein engineering for biosensor technology: a study on the maltose binding protein. *Italian Biochemical Society Transactions* **v.6**, p.116.