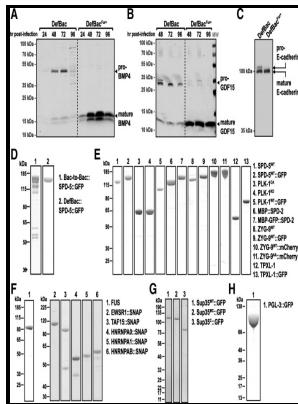


# Role of chitinase and cathepsin in baculovirus infection.

Oxford Brookes University - Development of a chitinase and v



Description: -

-role of chitinase and cathepsin in baculovirus infection.

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## Genetic modification of a baculovirus vector for increased expression in insect cells

E-cadherin levels in the conditioned media were analyzed by western blot using an anti-E-cadherin antibody. Baculovirus replication is inhibited when cells are seeded too densely. We recently reported that a molecular interaction between CHIA and proV-CATH within the endoplasmic reticulum ER fosters ER retention of both proteins under the direction of the CHIA carboxy-terminal KDEL ER retention motif.

## FlexiBAC: a versatile, open

Chapter II of this study aimed to assess whether the expression of fungal chitinase enzymes during viral infection is able to increase viral pathogenicity in larvae of *Spodoptera frugiperda*. Henrissat B 1999 Classification of chitinase modules. One of the best examples of a similar, but distinct processing pathway is the protein N-glycosylation pathway.

## Insect chitinase and chitinase

Slicing through the graph vertically at a fixed value of  $\gamma$  allows us define the fitness orderings in Table. Use of the DefBac Fur+ bacmid might also improve maturation of recombinant proteins secreted by baculovirus-infected insect larvae. Though not mammalian, a number of fish cell lines also can be transduced at a low level that is improved by the addition of butyrate.

## Baculovirus

Luckow VA, Lee SC, Barry GF, Ollins PO. It is thought that tree-top disease combined with liquefaction enhances transmission of the virus to conspecifics by shedding virus directly into the path of feeding conspecifics as the virus infects orally. We recommend excluding antibiotics from the complex formation step.

## FlexiBAC: a versatile, open

This is exemplified by the development of engineered insect cell lines to mimic mammalian cell glycosylation of expressed proteins, baculovirus display strategies and the application of the virus as a mammalian-cell gene delivery vector. At 5 d after infection the mutant virus showed only 7% lysis of infected SF21 cells, whereas the parent virus showed 60% lysis.

## **Introduction to Baculovirus Molecular Biology**

We wanted to determine whether the N-terminal chitin-binding domain CBD, 149 residues and C-terminal CHIA active-site domain ASD, 402 residues of CHIA bind to proV-CATH independently of one another and whether either domain is dispensable for CHIA's putative proV-CATH folding chaperone activity.

### **Behavioural manipulation of insect hosts by Baculoviridae as a process of niche construction**

We saw identical results for CA-RFP expressed by a ΔCH virus data not shown.

## Related Books

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- [Festschrift für Hans G. Ficker - Zum 70. Geburtstag am 20. Juli 1967.](#)
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