



Haliotis diversicolor supertexta

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Article history:

Keywords:

Haliotis diversicolor supertexta

©

1. Introduction

E. coli

Arabidopsis thaliana

Escherichia coli
Haemophilus influenzae

×

Bacillus subtilis

glabrata

biomphalaria

Echinostoma caproni

E-mail address:

Argopecten purpuratus

©

diversicolor reeve

Haliotis

Haliotis diversicolor supertexta

2.4. Real-time PCR

2. Materials and methods

2.1. Animals, immune challenge and tissues collection

H. diversicolor supertexta

μ *E. coli*

μ μ

μ

× g

μ

2.2. Preparation and screening of abalone cDNA library

2.3. Sequence analysis and phylogenetic construction

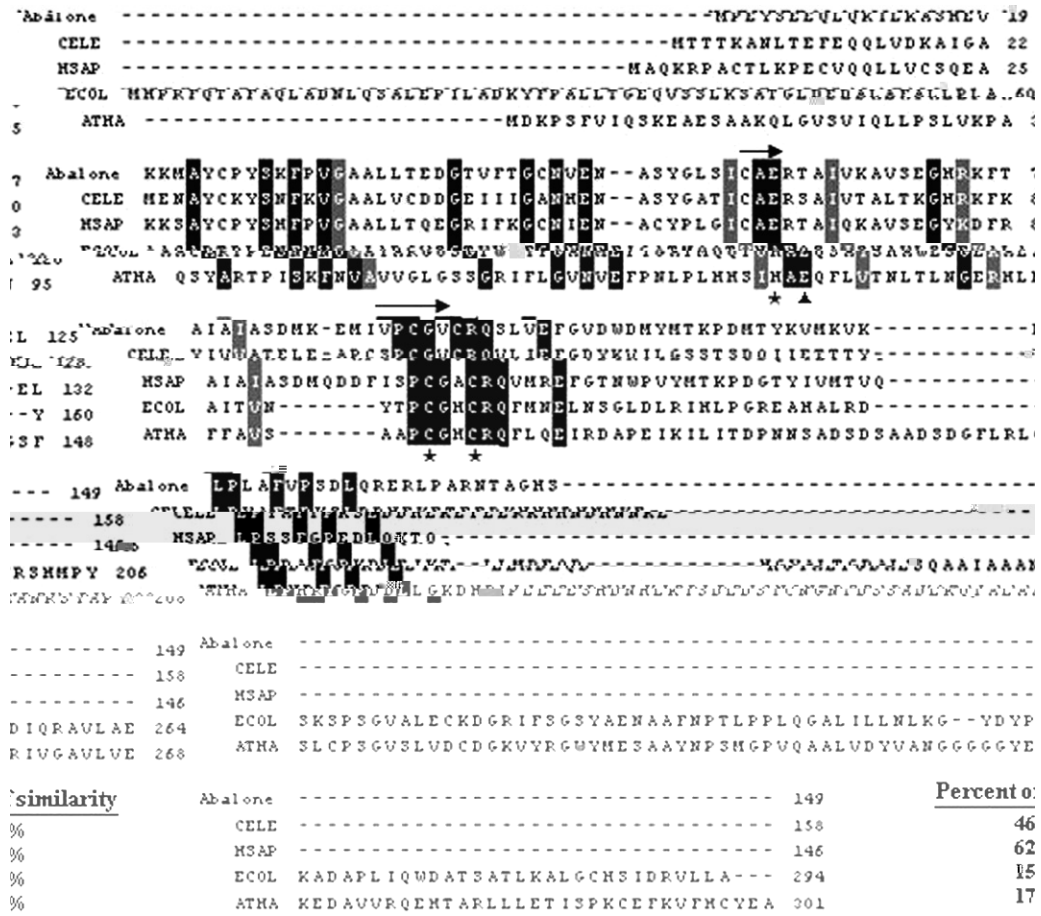


Fig. 2. *Arabidopsis thaliana* *Caenorhabditis elegans* *Escherichia coli*
Abalone *Homo sapiens*

3. Results

3.1. Sequence analysis of ab-CDA

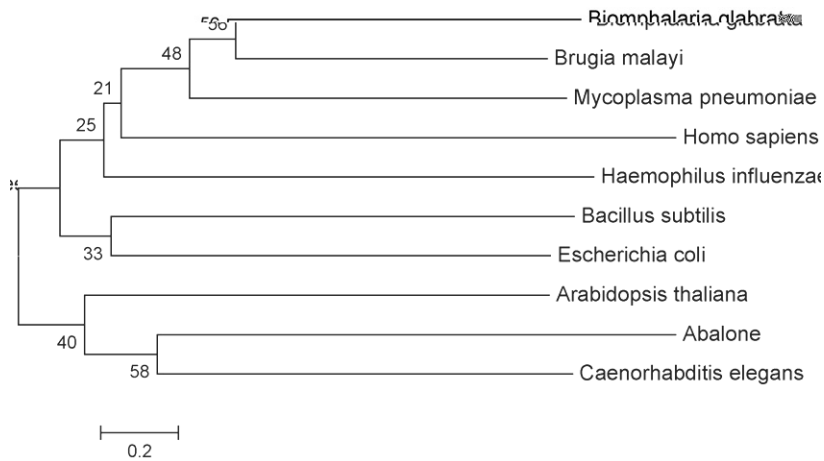


Fig. 3. *Escherichia coli* *Arabidopsis thaliana* *Haemophilus influenzae* *Caenorhabditis elegans*
Bacillus subtilis *Mycoplasma pneumoniae* *Brugia malayi* *Homo sapiens* *Biomphalaria glabrata* *Abalone*

3.2. Characterization and homology comparison of *ab-CDA*

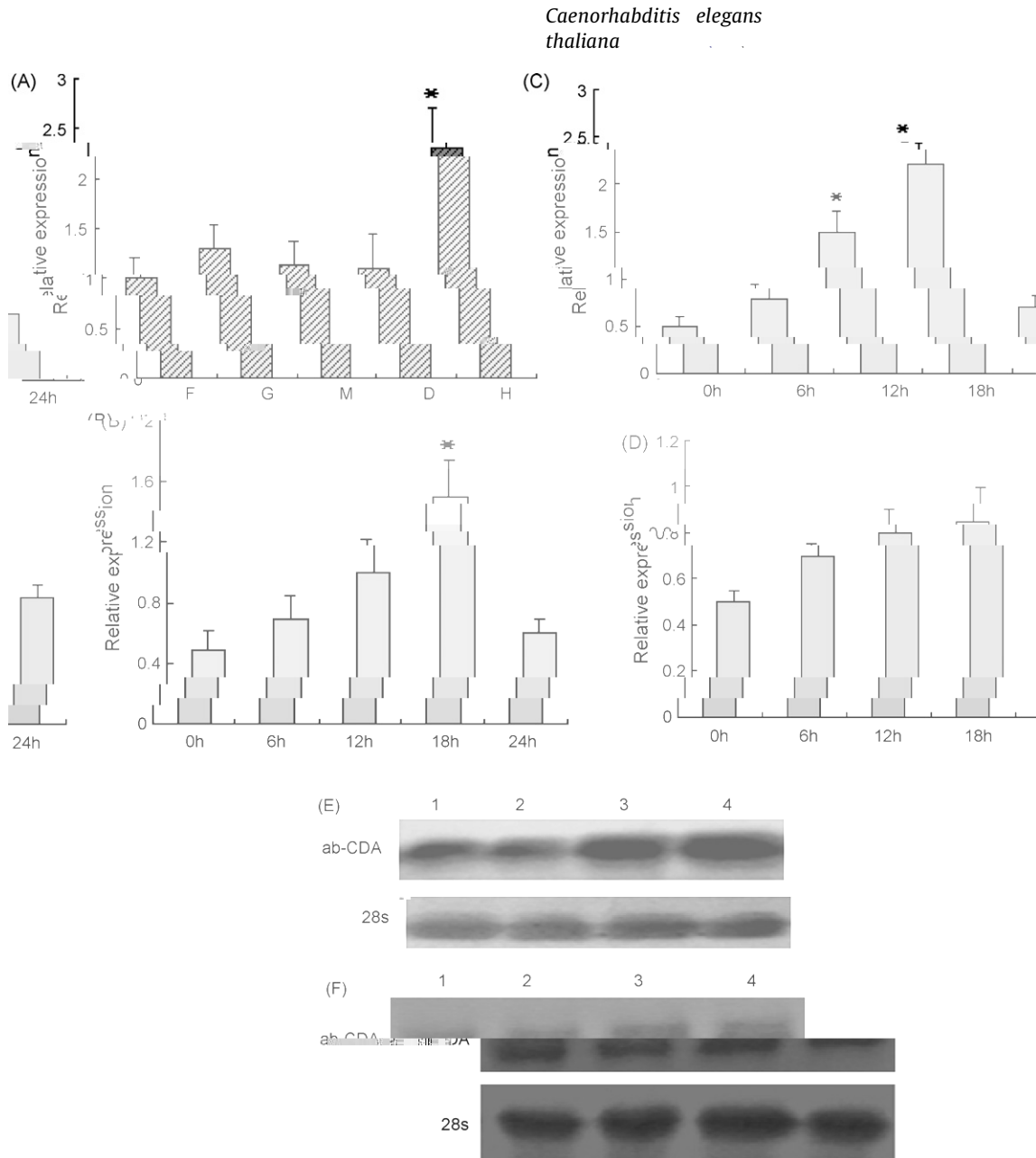


Fig. 4.

t

$P < .05$

± n

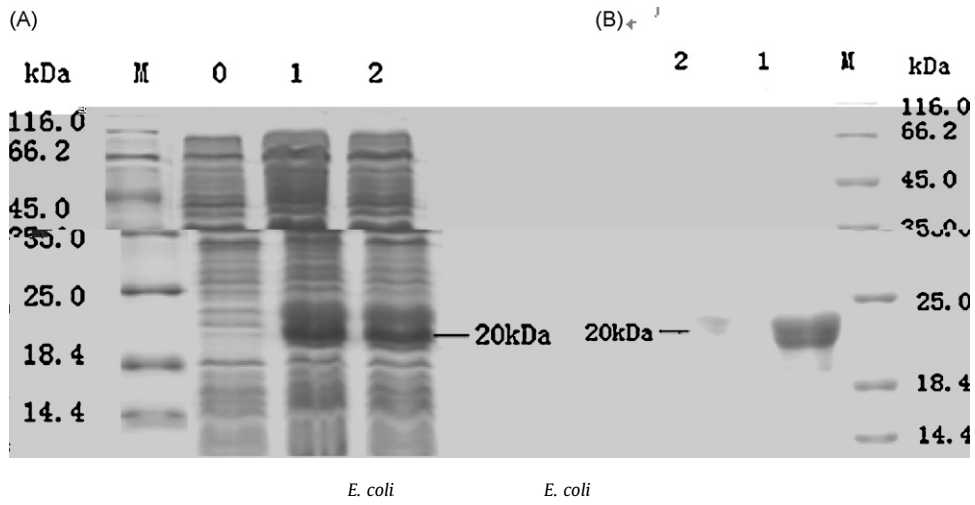


Fig. 5.

MPEYSEEQLOKILKASHEVKKMAYCPYSKEPVGAALITEDGTVETGCNVENASYGLSICA
 ERTAIVKAVSEGHKFTALAIASDMKEMIVPCGVCRQSLVEFGVDWDMYMTKPDMTYK
 MKVKELLPLAFVPSDLQRERIPARNTAGHS_

Fig. 6.

3.3. Expression analysis of ab-CDA

3.5. Enzymatic activity

3.4. Recombinant protein expression, purification and characterization

E. coli

3.6. Antibody preparation and Western blot analysis

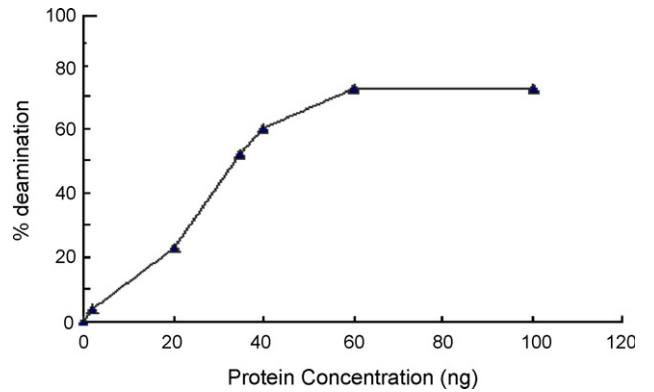


Fig. 7.

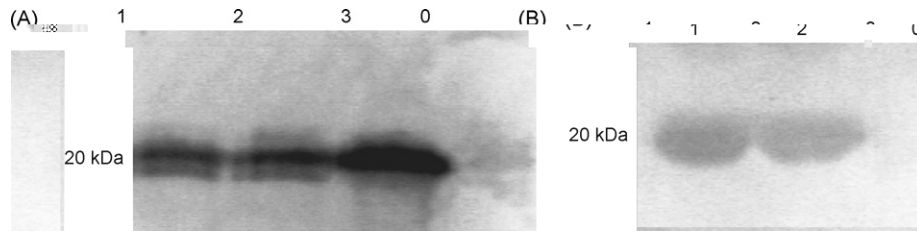


Fig. 8.

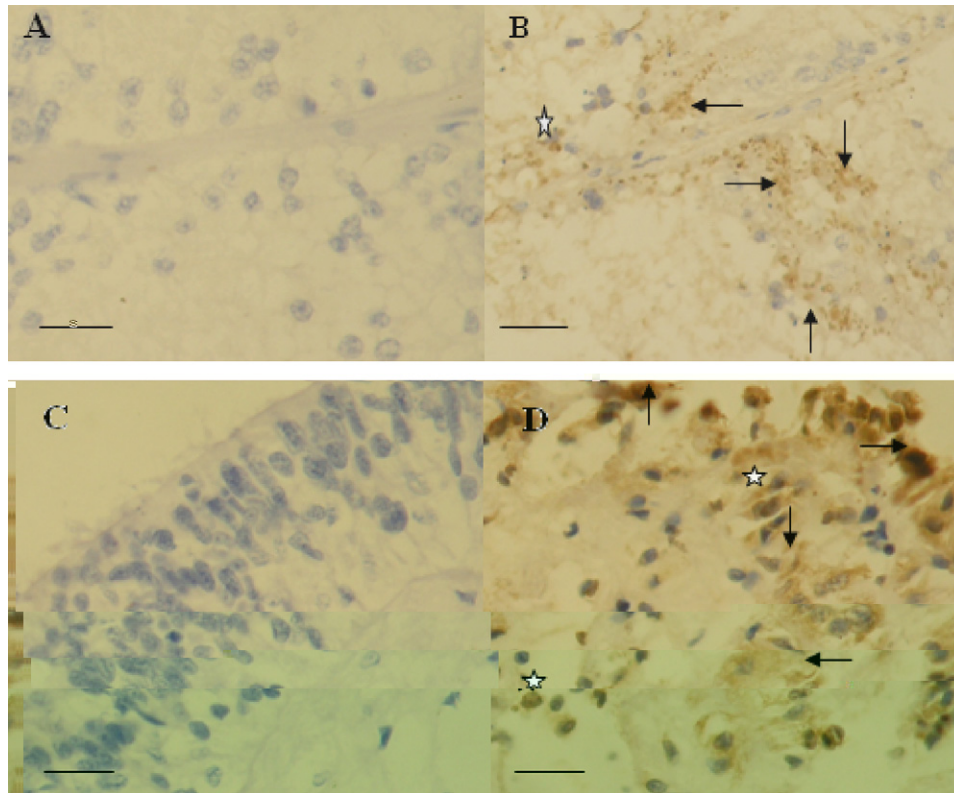


Fig. 9.

3.7. Intracellular localization of native ab-CDA

4. Discussion

Homo sapiens
Caenorhabditis elegans

Escherichia coli

Arabidopsis thaliana

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kensis

Crassostrea aria-