



Title	PCoM-DB Update: A Protein Co-Migration Database for Photosynthetic Organisms
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Fig. 1

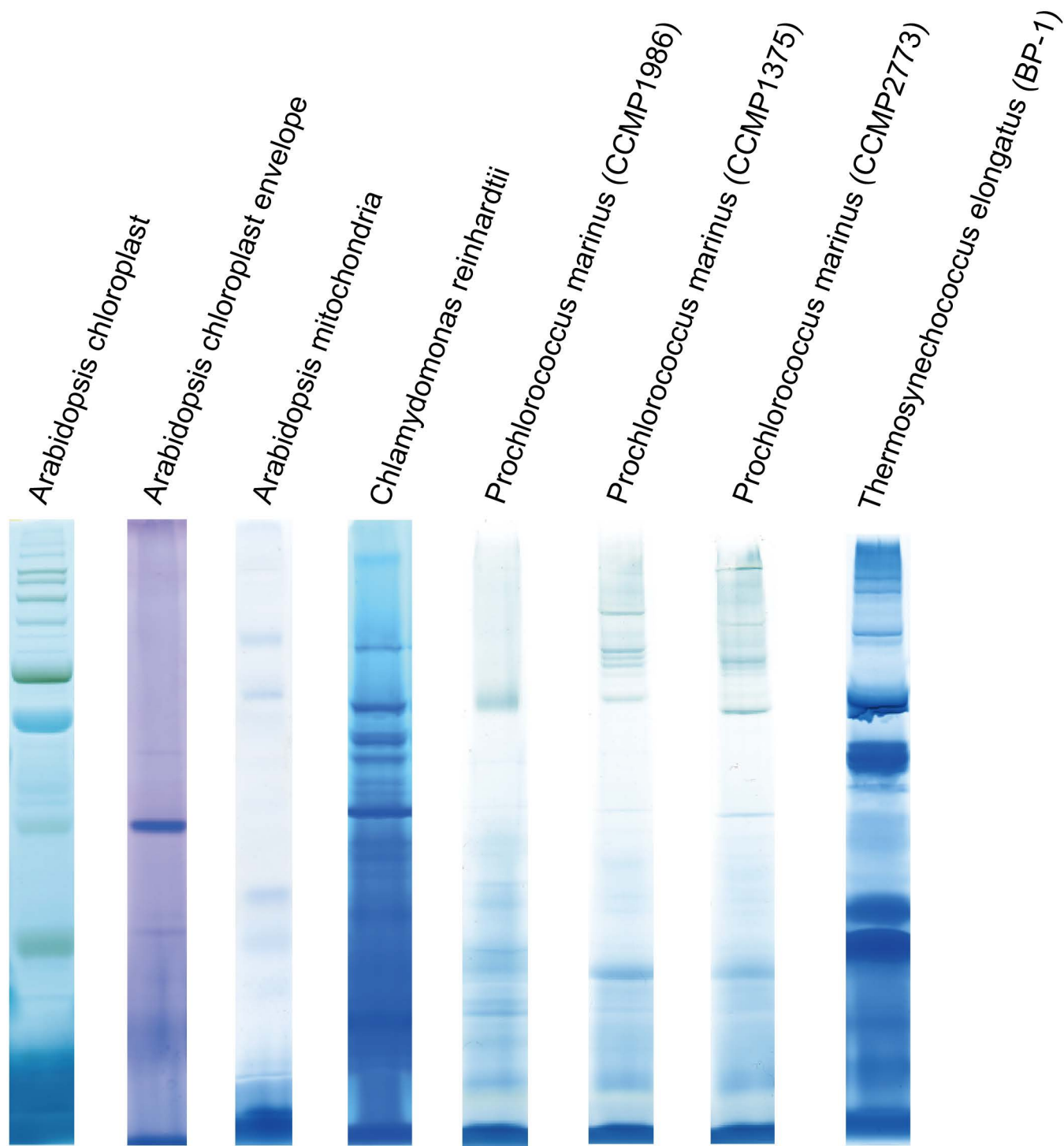
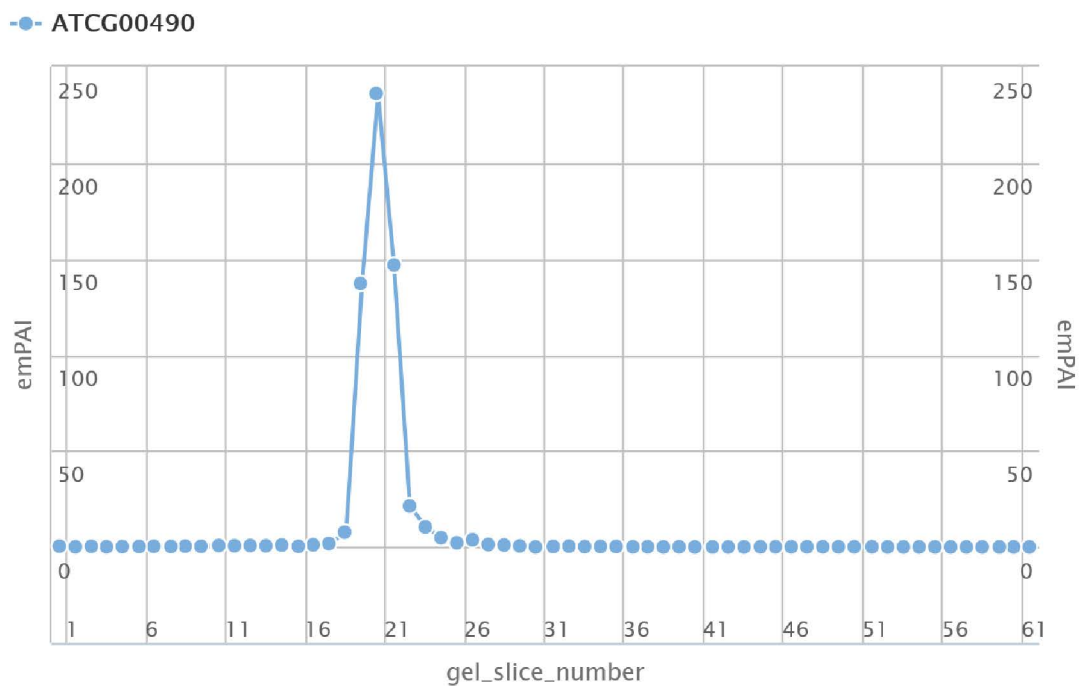


Fig. 2

A



B



C



Fig. 3

A

Top Search Browse

### Single protein search

1> gene\_id:  search 1

2> symbols:  search 2  
 description:

B



### Homolog



C

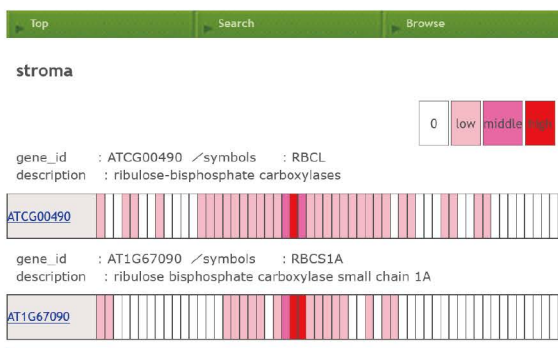
Top Search Browse

### Multiple protein search

sample: stroma  
 ATCG00490  
 AT1G67090

gene\_id:  search

D



# Fig. 4

## A

Top Search Browse

Overview

What is PCoM?

Protein Co-Migration Database for photosynthetic organ...  
tool for predicting the protein complexes in photosynthe...  
your protein of interest. PCoM stores the data obtained...  
the protein complexes which were separated by BN-PAGE...  
PAGE gel slices.

Arabidopsis thaliana	chloroplast
Physcomitrella patens	chloroplast 2
Chlamydomonas reinhardtii	mitochondria
Synechocystis sp. PCC6803	envelope
Thermosynechococcus	stroma
Prochlorococcus CCMP1986	thylakoid
Prochlorococcus CCMP1375	
Prochlorococcus CCMP2773	

## B

Top Search Browse

### stroma

1> gene\_id:  search 1

2> symbols:   
description:  search 2

gene_id	symbol	description
<a href="#">AT3G46780</a>	PTAC16	plastid transcriptionally active 16
<a href="#">AT1G01080</a>		RNA-binding (RRM/RBD/RNP motifs) family protein
<a href="#">AT1G03310</a>	ATISA2, ISA2, DBE1, BE2	debranching enzyme 1

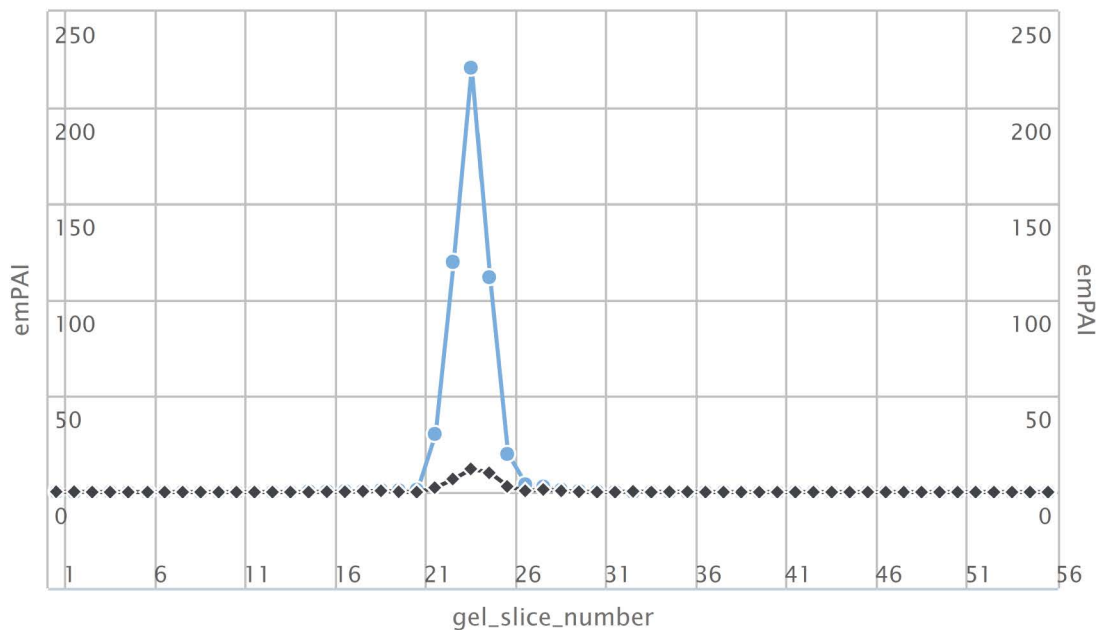
Fig. 5

symbols :RBCL

description :ribulose-bisphosphate carboxylases

### Migration Profile

● ATCG00490    ◆ AT1G67090



gel\_no  
mw

reCharts AllCheck Clear point selected : gel\_no\_24

	gene_id	▲ peak	emPAI	/max emPAI (%)	mw	symbols	description
<input checked="" type="checkbox"/>	<a href="#">ATCG00490</a>	P	220.59	100.0	52955	RBCL	ribulose-bisphosphate carboxylases
<input checked="" type="checkbox"/>	<a href="#">AT1G67090</a>	P	12.08	100.0	20216	RBCS1A	ribulose bisphosphate carboxylase small chain 1A

Fig. 6

