



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

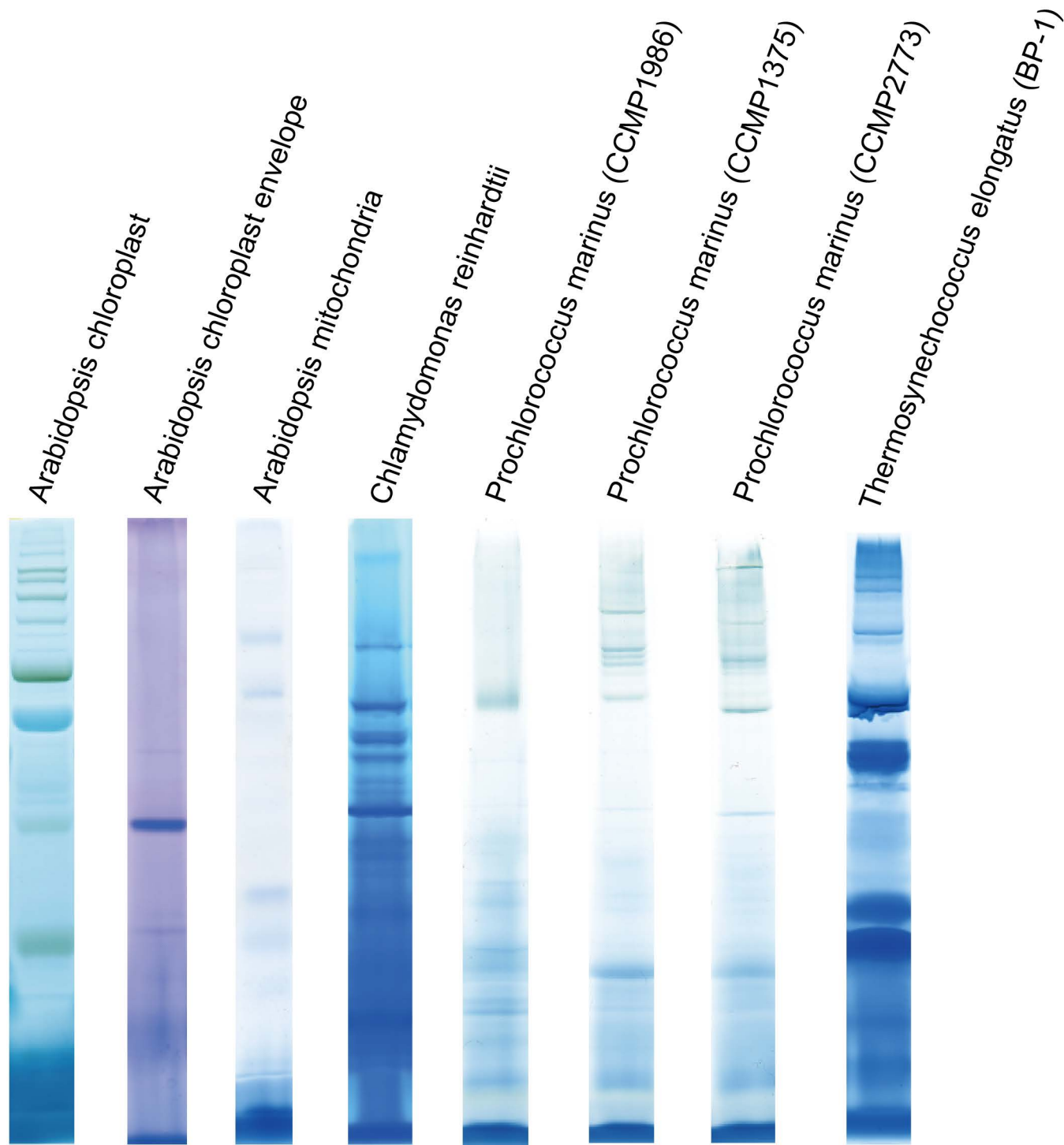


Fig. 2

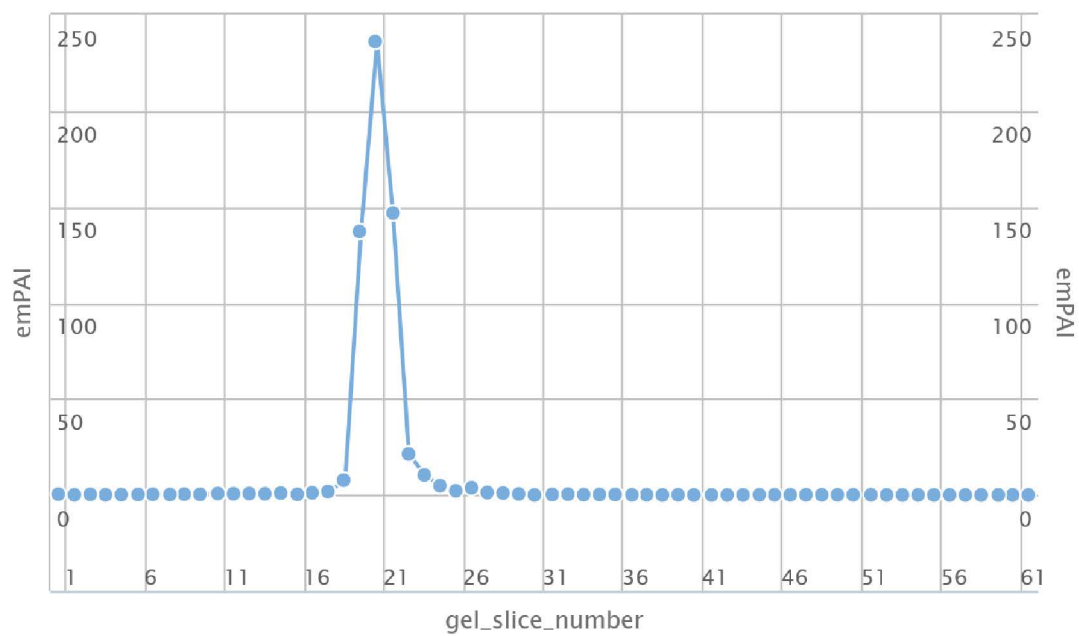
A

RubisCO



B

● ATCG00490



C

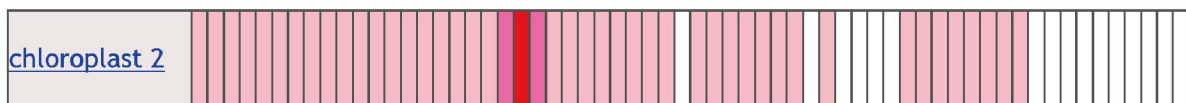


Fig. 3

A

Top

Search

Browse

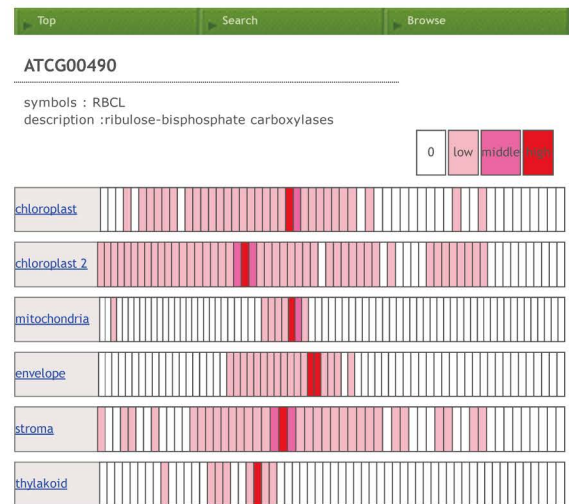
Single protein search

1> gene_id:

2> symbols:

description:

B



Homolog



C

Top

Search

Browse

Multiple protein search

sample:

stroma
ATCG00490
AT1G67090

gene_id:

D

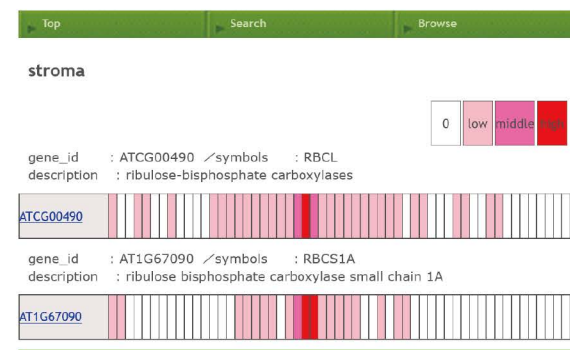


Fig. 4

A

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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

Synechosystis sp. PCC6803

envelope

Thermosynechococcus

stroma

Prochlorococcus CCMP1986

thylakoid

Prochlorococcus CCMP1375

Prochlorococcus CCMP2773

B

Top

Search

Browse

stroma

1> gene_id:

2> symbols:

description:

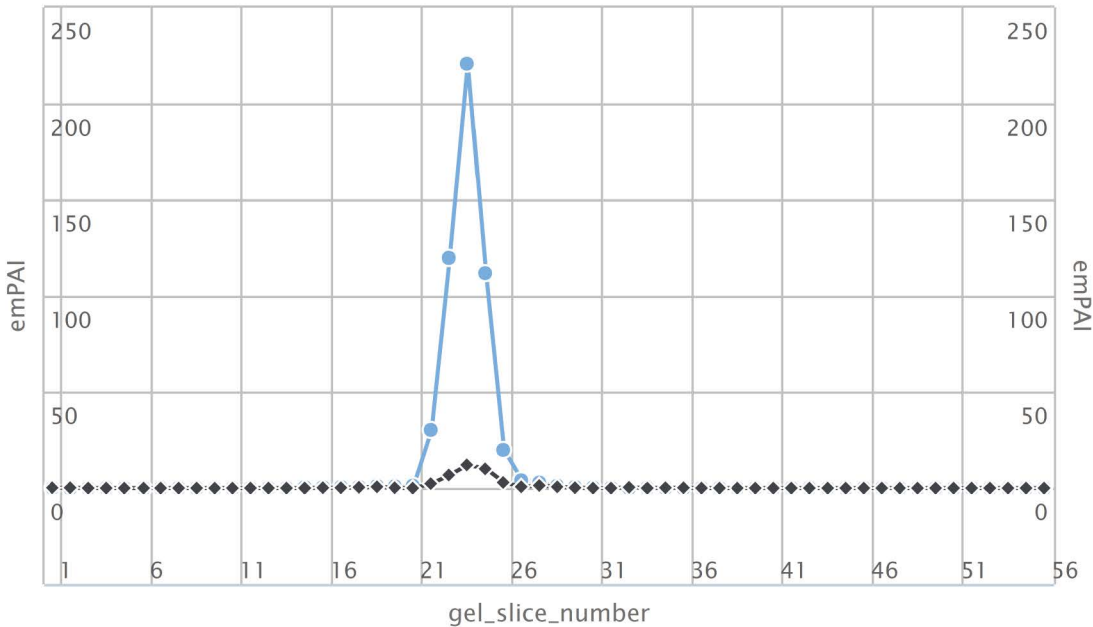
gene_id	symbol	description
AT3G46780	PTAC16	plastid transcriptionally active 16
AT1G01080		RNA-binding (RRM/RBD/RNP motifs) family protein
AT1G03310	ATISA2, ISA2, DBE1, BE2	debranching enzyme 1

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
☒	ATCG00490	P	220.59	100.0	52955	RBCL	ribulose-bisphosphate carboxylases
☒	AT1G67090	P	12.08	100.0	20216	RBCS1A	ribulose bisphosphate carboxylase small chain 1A

Fig. 6

