

eLab Manuals

EST Finder

1. Introduction

The eLab EST Finder can be used to search the sequence data available within the EVOLTREE project.

2. Search

There are two possibilities to search for ESTs:

- Select a species to get all available EVOLTREE ESTs for it:


Available Species:	
<u>Abies alba</u>	2.287
<u>Fagus sylvatica</u>	34.138
<u>Fraxinus excelsior</u>	8.030
<u>Lymantria dispar</u>	18.508
<u>Lymantria monacha</u>	16.695
<u>Picea abies</u>	7.279
<u>Pinus pinaster</u>	11.396
<u>Pinus sylvestris</u>	13.805
<u>Podocarpus oleifolius</u>	657
<u>Quercus petraea</u>	39.121
<u>Quercus robur</u>	52.853
<u>Tortix viridana</u>	18.174

- Insert a search term and select the search scope:

Search:

Annotations
 EST Lab IDs

Search for:


Search

3. Result View

The search results are then displayed in a new window:

eLab EST Finder :: Result

5134 ESTs found **Search Term:** protein Select Species:

Page 1 / 257

Name	Species	Annotation
WZ0AFSAA10YA04	Fagus sylvatica	PD400633 p2002.1 // DNA-BINDING FINGER ZINC ZINC-FINGER PROTEIN METAL-BINDING
WZ0AFSAA10YA06	Fagus sylvatica	Q7XJ55_ARATH At2g17400 protein. - Arabidopsis thaliana .
WZ0AFSAA10YA09	Fagus sylvatica	R15A1_ARATH 40S ribosomal protein S15a-1. - Arabidopsis thaliana .
WZ0AFSAA10YA12	Fagus sylvatica	PD101126 p2002.1 // KINASE TRANSFERASE SERINE/THREONINE-PROTEIN ATP-BINDING AT5G58950/K19M22_150 PROTEIN-TYROSINE 6-LIKE
WZ0AFSAA10YA14	Fagus sylvatica	MFAP1_CHICK Microfibrillar-associated protein 1 . - Gallus gallus .
WZ0AFSAA10YA15	Fagus sylvatica	TCPH_CHICK T-complex protein 1 subunit eta . - Gallus gallus .
WZ0AFSAA10YA16	Fagus sylvatica	A5AYQ1_VITVI Putative uncharacterized protein. - Vitis vinifera .
WZ0AFSAA10YA22	Fagus sylvatica	RL5_CUCSA 60S ribosomal protein L5. - Cucumis sativus .
WZ0AFSAA10YB04	Fagus sylvatica	CNX1_ARATH Molybdopterin biosynthesis protein CNX1 . - Arabidopsis thaliana .
WZ0AFSAA10YB13	Fagus sylvatica	A5BM02_VITVI Putative uncharacterized protein. - Vitis vinifera .
WZ0AFSAA10YC04	Fagus sylvatica	EM506_ARATH Ankyrin repeat domain-containing protein EMB506, chloroplast precursor. - Arabidopsis thaliana .
WZ0AFSAA10YC06	Fagus sylvatica	Y1491_ARATH DUF246 domain-containing protein At1g04910. - Arabidopsis thaliana .
WZ0AFSAA10YC12	Fagus sylvatica	RAC7_ARATH Rac-like GTP-binding protein ARAC7 . - Arabidopsis thaliana .

The following items can be found in the result view:

- Total number of ESTs found:

5134 ESTs found

- The search parameters can be reviewed here:

Search Term: protein

- You can refine your search by selecting a species and clicking on “Refine”:

Select Species: -- All -- Refine

- All --
- Abies alba
- Fagus sylvatica
- Fraxinus excelsior
- Lymantria dispar
- Lymantria monacha
- Picea abies
- Pinus pinaster
- Pinus sylvestris
- Podocarpus oleifolius
- Quercus petraea
- Quercus robur
- Tortix viridana

4. Details View

When clicking on an EST name more details are shown:

eLab EST Finder :: View EST

Details of EST: **Data comes from:**

WZ0AQPAA10YA14 CBiB Stackpack Database
PICME Material Database

The EST belongs to the following library:

WZ0AQPAA CBiB Library Database [↗](#)

Species	Quercus petraea
Type	cDNA library
Owner	P1a
Organ	roots
Tissue	roots
Developmental Stage	RNA extracted from 5 stress roots:1/10°C 3 days2/35°C 4 days3/CO2 700ppm4/water stress5/ hypoxie 48h
Available in PICME	YES
Size	4.964 Sequences

Data from CBiB Stackpack Database Data from PICME Material Database


The following items are available in the details view:

- In the header, the name of lab id of the current EST is shown:

Details of EST:

WZ0AQPAA10YA14


The PICME material database stores gel length and state of the EST:


Data from CBIB Stackpack Database		Data from PICME Material Database	
WZ0AQPAA10YA14FM1		PICME Material Database 	
Gellength	1443		
State	OK		


3.4. Application Properties

At every view the so-called “Application Properties” are shown on the right side. This window contains some information about the current EST Finder session:

Application Properties

 You are logged in as:
Johanna Schmidt

 Current Page:
EST Details

 Previous Page:
Result
[go back]

The first paragraph contains information about your user account - whether you are recognised as an EVOLTREE member, or as guest user.

The two paragraphs show the page which is currently viewed, and the page which was displayed before. By clicking on the link “[go back]”, you can jump back to the previous view.