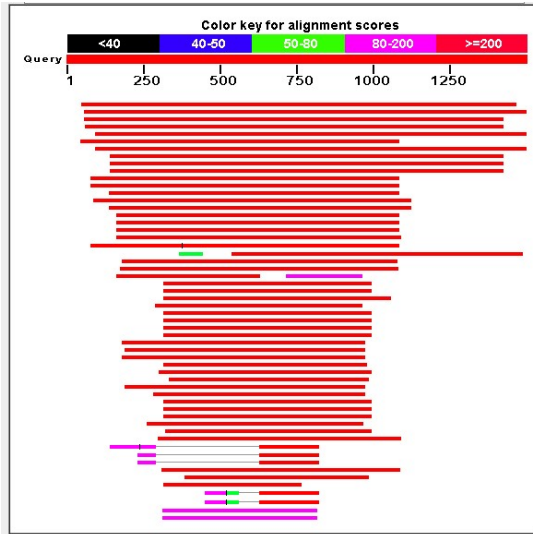


A



B *Deduced EcPP2A protein sequence*

```

MEPMSVDSGGCSGLDAQIEQLMQCRPLAEQEVKSLC
EKAKEILMEESNVQPVKSPVTICGDIHQFHDLEVEL
FRIGGKCPDTNYLFMGDYVDRGYYSVETVTLVALK
VRHPQRTILRGNHESRQITQVYGFYDECLRKYGNA
NVWKTFTDLFDYFPLTALVESEIFCLHGGLSPSIEN
LDSVRS�DRVQVEVPHEGPMCDLLWSDEPDDRCGWGIS
PRGAGYTFGQDISEQFNHTNNLKLVARAHQLVMEGY
NWAHEQKVVTIFSAFNICYRCGNMASILEVDDCNSH
TFIQFEPAPRRGEPDVTRRRPPDYFL
  
```

Annotation: PREDICTED: *Setaria italica* serine/threonine-protein phosphatase PP2A-4 catalytic subunit-like (LOC101780683)

C

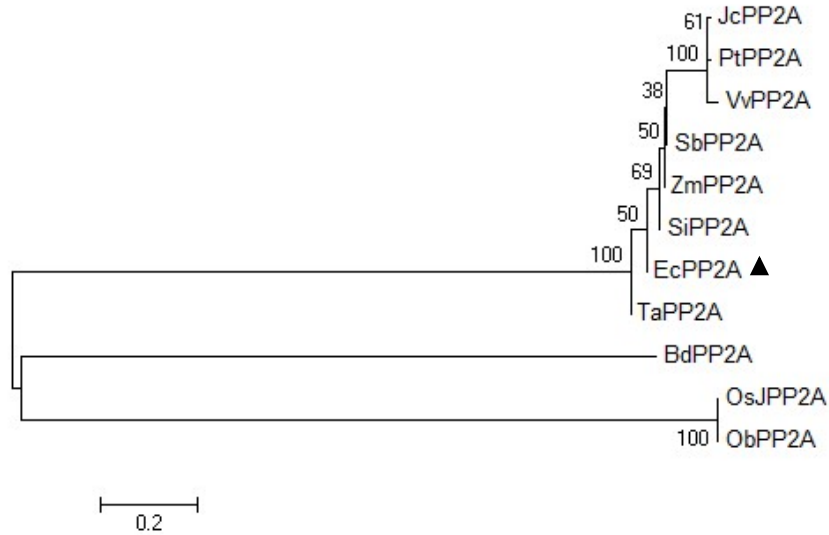


Fig. : Sequencing and annotation of Protein Phosphatase subunit 2A (PP2A) cloned from finger millet. A: NCBI BLAST annotation. B: Predicted protein sequence using Translate Tool (ExPASy). C: Phylogenetic analysis using MEGA Version 6.

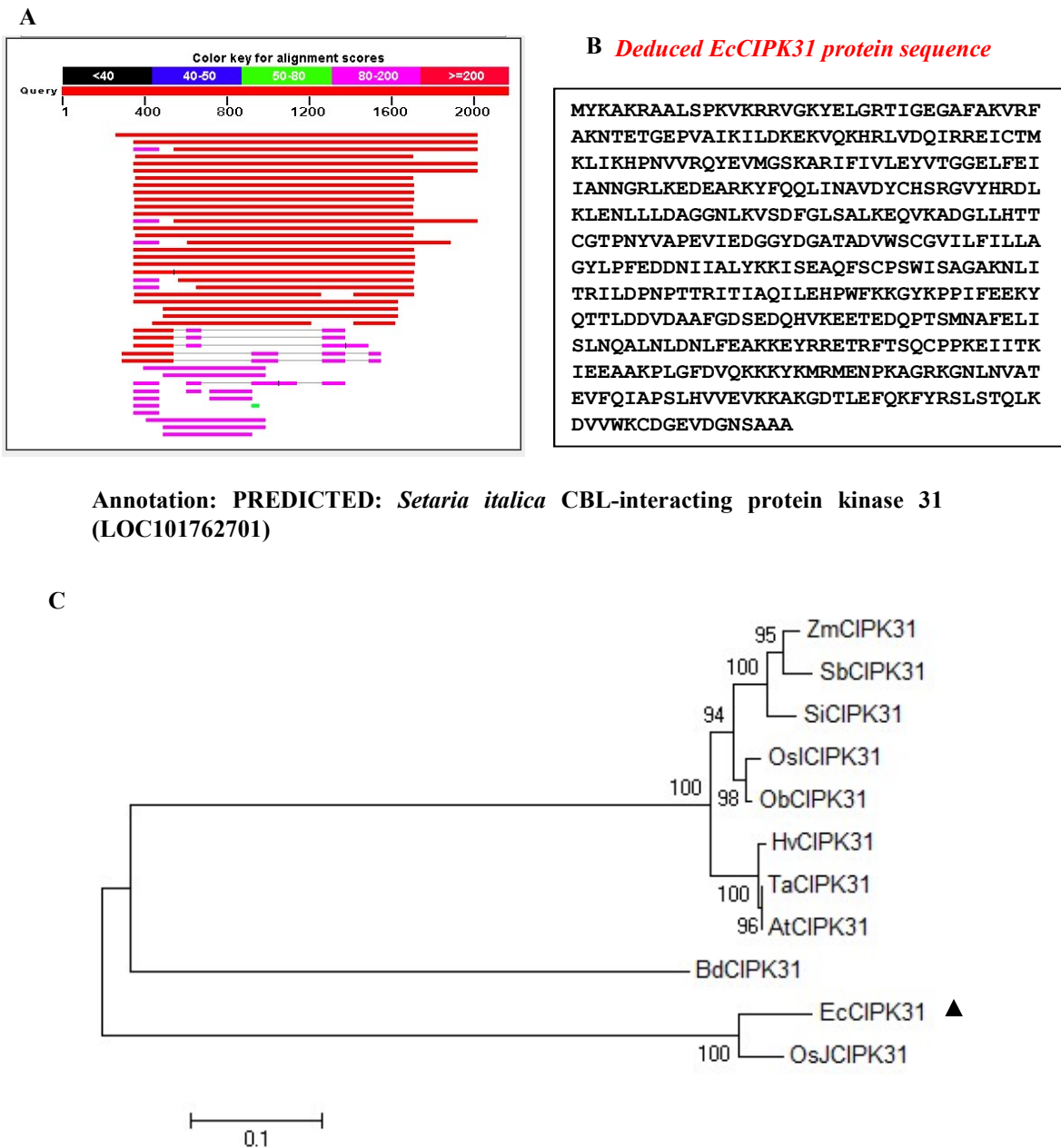
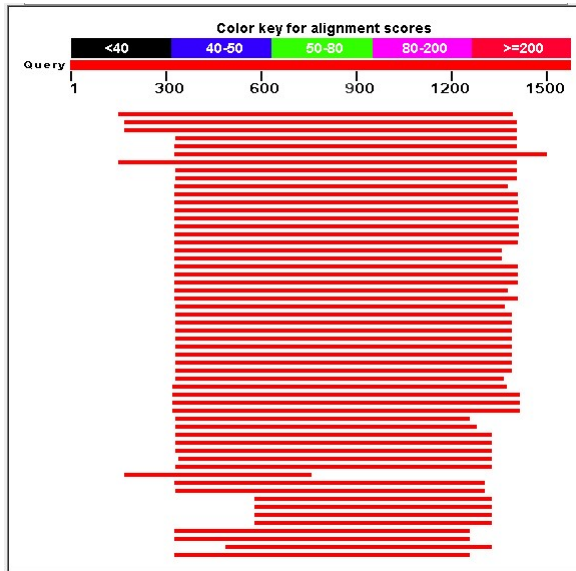


Fig. Sequencing and annotation of CBL Interacting Protein Kinase31 (CIPK31) cloned from finger millet. A: NCBI BLAST annotation. B: Predicted protein sequence using Translate Tool (ExPASy). C: Phylogenetic analysis using MEGA Version 6.

A



B *Deduced EcFPS protein sequence*

```

MATVMAAANGSGGDTKAAFAE IYDKLKQEMLE
DPAFEFTDES LQWIDRMVDYNVLGGKCN
RGLSVIDSYKILKGV DVL SKEETFLACTLGWC
IEWLQAYFLV LDDIMDNSQTRRGQPCWF
RVPOVGLIAVNDGI ILRNHISRILQRHFKGKP
YYVDLFDL FNEVEFKTASGQLDLITTH
EGEKDLSKY NLT VHRRI VQYKTAYYSFYLPVA
CALLLSGENLDN FGDVKNILVEMGTYFQ
VQDDYLDCFGDPEFIGKIGTDIEDNKCSWL VV
QALEHADKSQKSILFENY GKS DPESVAK
VKDLYRELNLEVL FHEYERESYNRLIADIEAQ
PNKAVQSVLKSFLHKIYKRDK
  
```

Annotation: PREDICTED: *Setaria italica* farnesyl pyrophosphate synthase-like (LOC101765568)

C

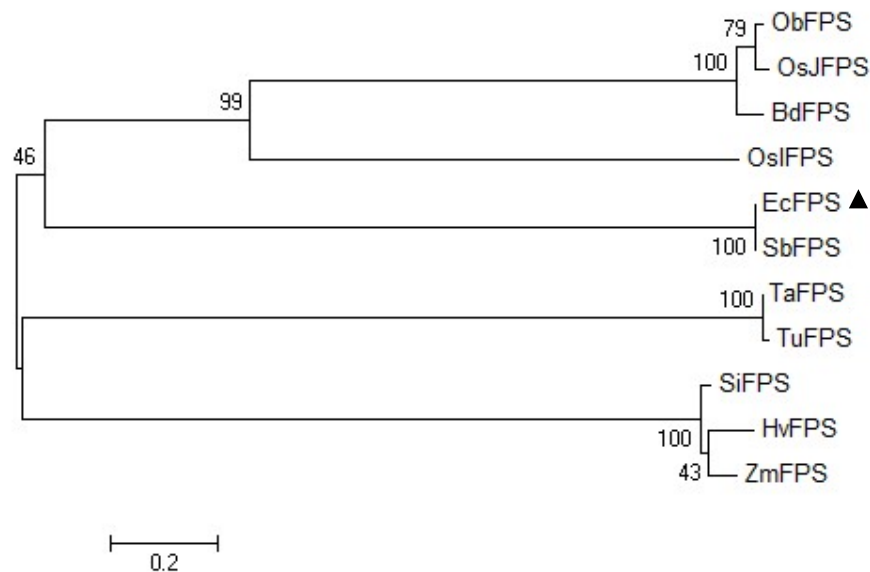
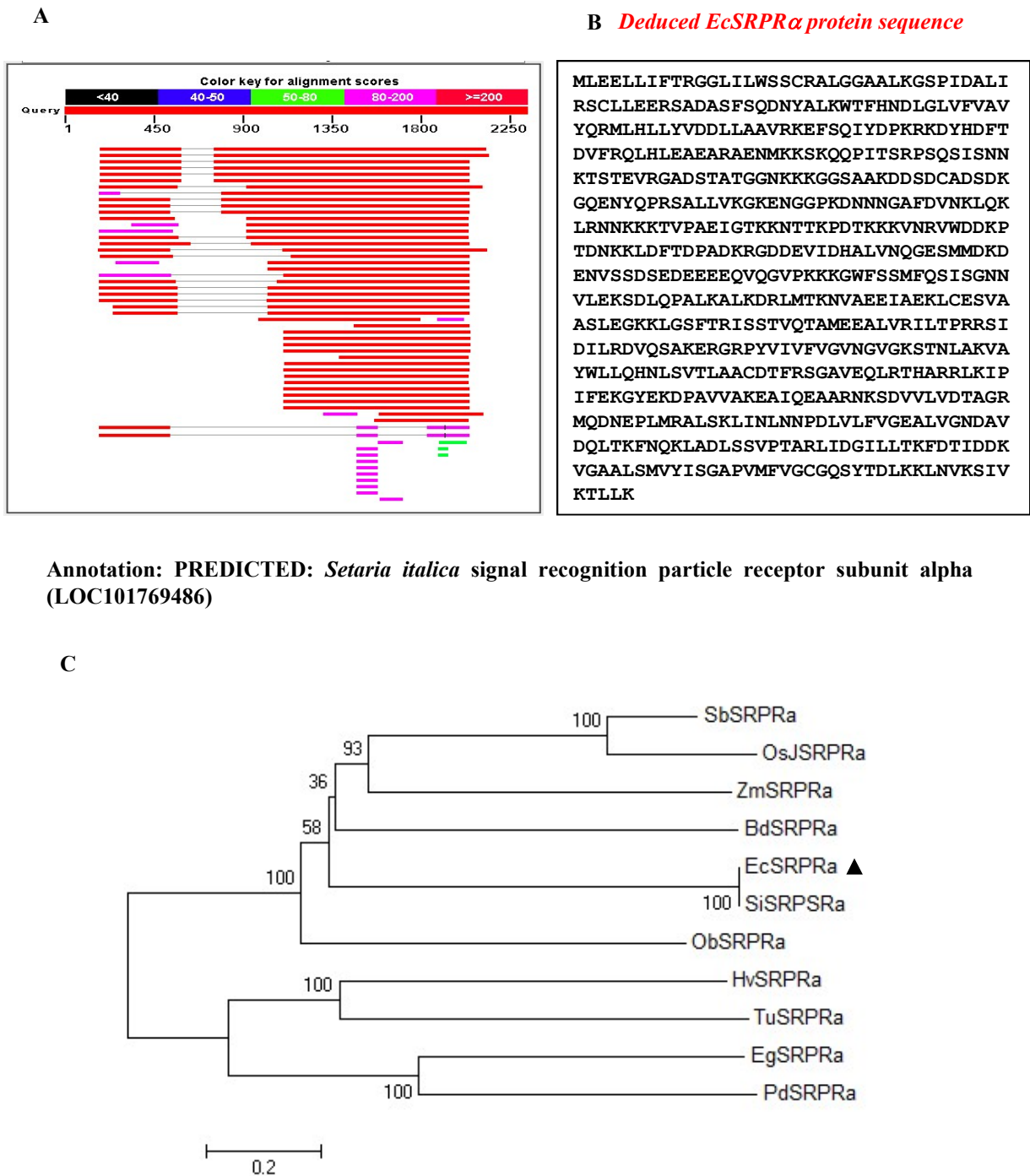


Fig. : Sequencing and annotation of Farnesyl Pyrophosphate Synthetase (FPS) cloned from finger millet. A: NCBI BLAST annotation. B: Predicted protein sequence using Translate Tool (ExPASy). C: Phylogenetic analysis using MEGA Version 6.



Annotation: PREDICTED: *Setaria italica* signal recognition particle receptor subunit alpha (LOC101769486)

Fig. 44: Sequencing and annotation of Signal Recognition Particle Receptor subunit alpha (SRPR α) cloned from finger millet. A: NCBI BLAST annotation. B: Predicted protein sequence using Translate Tool (ExpASy). C: Phylogenetic analysis using MEGA Version 6.

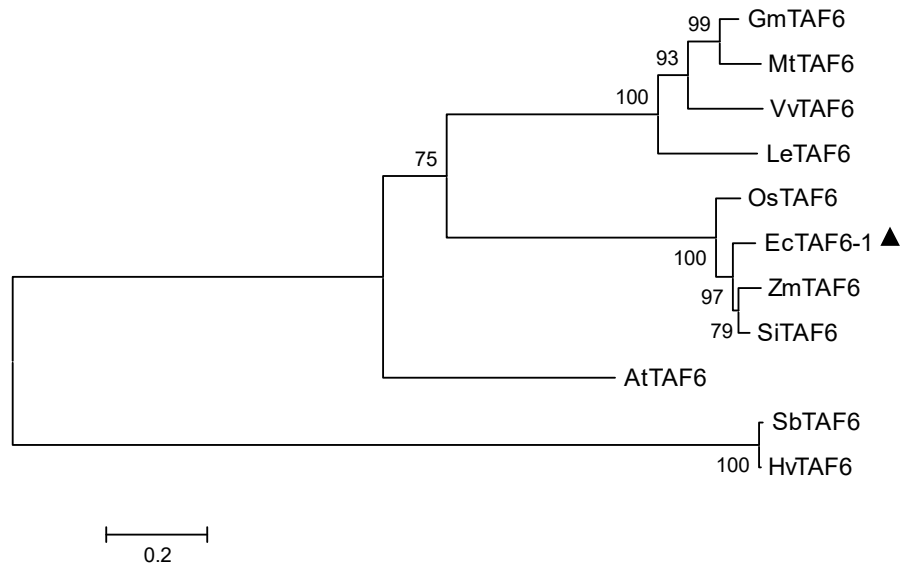


Fig. : **Phylogenetic analysis of *EcTAF6-1* protein sequence.** Amino acid sequence of *EcTAF6-1* along with other orthologous TAF6 amino acid sequences were used to derive phylogenetic tree by using MEGA6.