

IDENTIFICATION

Species: *Prunus persica*

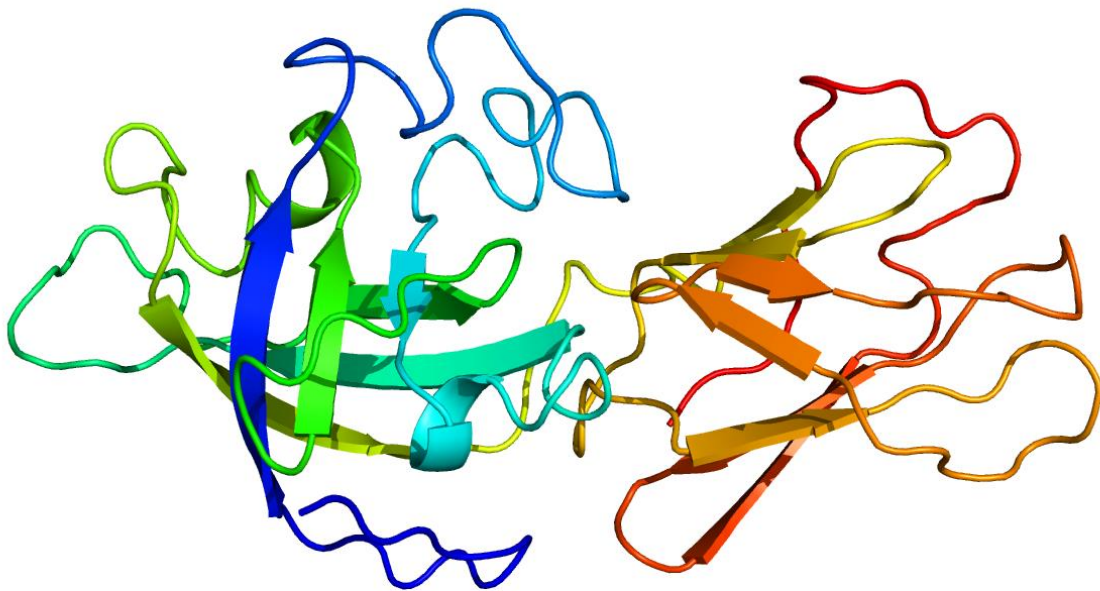
Locus: Prupe.1G360700

Gene Model: Prupe.1G360700.1.p

Description: PrpEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

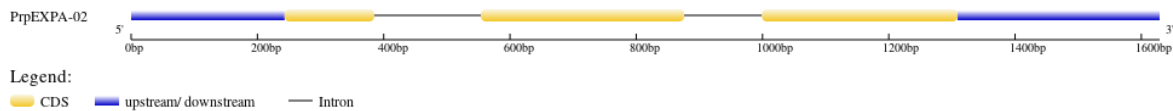
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

KEGG: <https://www.genome.jp/entry/gn:T03092>

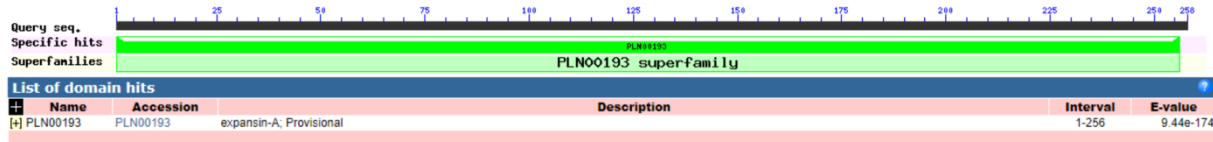
EXTERNAL RESOURCES

https://www.rosaceae.org/species/prunus_persica/genome_v2.0.a1

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-02

MAKLVFALAILLGLSLCSLSTYVSAFTASGWTKGHATFYGGSDASGTMGGACGYGNL
YSTGYGTRTAALSTALFNDGASCGQCYKIMCDYKTDPRWCNKGVSVTITATNFCPPN
YDLPSNNGGWCNPPLQHFDMAQPAWEKIGIYRGGIVPVLFRVPCKKHGGVRFTING
RDYFELVLISNVGGAGSIKSA YIKGSKTGWMAMSRNWGANWQSNAYLNGQSLSFRI
TTTDGETQLFQNIVPSSWSFSQTFSSRVQFS*

CDS (coding sequence)

>PrpEXPA-02

ATGGCCAAACTCGTTTTTGCATTAGCAATCTTGCTTGGATCATTATGCAGTCTCTC
TACATATGTTTCTGCATTTACTGCATCTGGATGGACTAAAGGTCATGCCACATTTT
ATGGAGGAAGTGATGCCTCAGGAAGTATGGGGGGAGCTTGTGGGTACGGTAACC
TGTATTCGACAGGGTATGGGACTAGGACCGCTGCTTTAAGTACCGCCTTGTTCAA
CGACGGGGCTTCATGTGGGCAATGCTATAAGATCATGTGCGATTATAAAACAGAT
CCTAGATGGTGCAATAAAGGAGTGTCCGTGACAATCACTGCAACAACTTTTGTC
CTCCTAATTATGATCTTCCAAGCAACAATGGAGGATGGTGCAACCCACCCCTTCA
GCACTTTGACATGGCTCAGCCTGCTTGGGAAAAGATTGGGATTTACAGAGGTGGC
ATCGTCCCCGTCTTGTTCCAAAGGGTTCATGCAAGAAGCATGGGGGTGTGAGGT
TCACAATAAATGGGAGGGACTACTTCGAGCTTGTCTGATCAGCAATGTAGGAGG
AGCTGGATCTATTAAGTCTGCATACATCAAAGGTTCAAAAAGTGGTTGGATGGCA
ATGTCAAGGAATTGGGGAGCAAAGTGGCAGTCCAATGCCTACCTCAATGGCCAAT
CTCTGTCCTTCAGAATCACCACCACGGATGGAGAACTCAACTCTTTCAGAACAT
TGTGCCTTCCAGTTGGAGCTTCAGCCAACTTCTCCAGCAGAGTGCAATTCTCAT
AA

Nucleotide

>PrpEXPA-02

AAATGAATCATTTACGTTGAATCCGGCTGCAGAGGTCCCATGTGAGGTTGTTGCA
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TTAATTAAGTTTTCTTCAAATTAATTTCAAATTTGTTTTGCTTTCCCAACTAATCG
CATTCTTCTGTCAAGCGCATGTTGATGGGATTTTGGATTCATGTGTGCGTGCAGGG
TTCCATGCAAGAAGCATGGGGGTGTGAGGTTCAATAAATGGGAGGGACTACT
TCGAGCTTGTTCTGATCAGCAATGTAGGAGGAGCTGGATCTATTAAGTCTGCATA
CATCAAAGGTTCAAAAACCTGGTTGGATGGCAATGTCAAGGAATTGGGGAGCAAA
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