

IDENTIFICATION

Species: *Prunus persica*

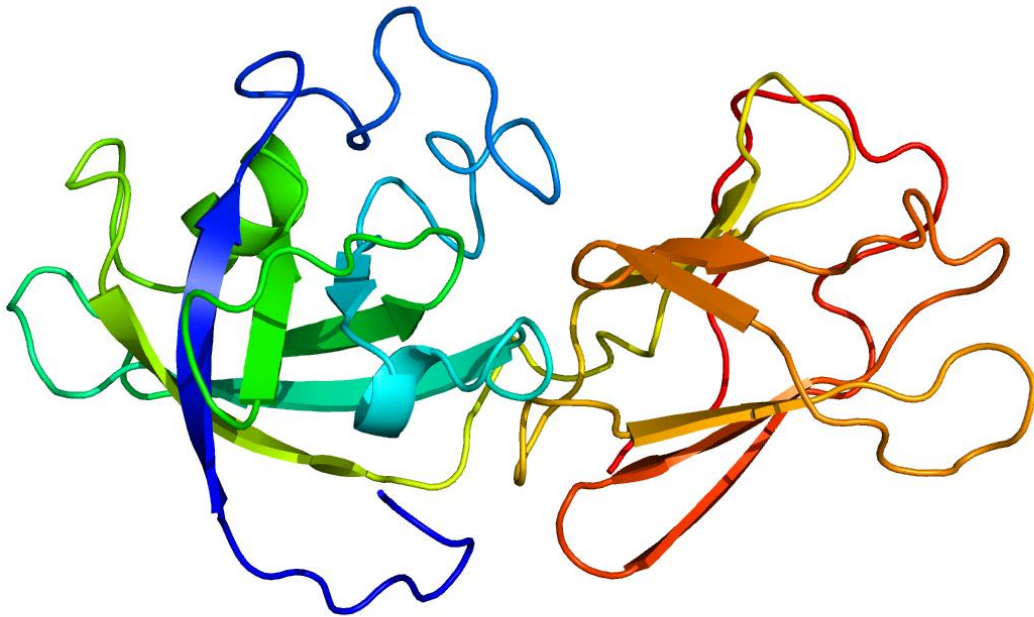
Locus: Prupe.3G014800

Gene Model: Prupe.3G014800.1.p

Description: PrpEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

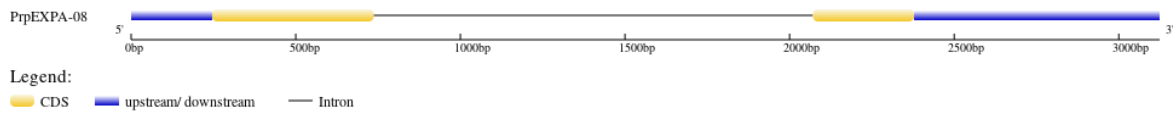
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

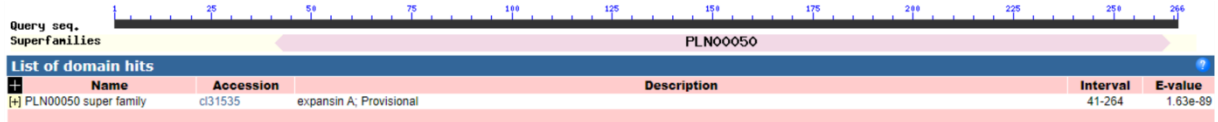
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-08

MSPTLQLLLPLLLLTF LASTALSHLPSSSVTTTTLSLIYDWQSARATYYAASDPRDAVG
GACGYGDLVKAGYGMATVGLSEPLFERGQICGACFVLRVDDMRWCIPGTSIIVTAT
NFCAPNYGFTADGGGHCNPPNHLVLP IEFKIAIWKAGNMPVQYRRIKCRKEGGI
RFTIDGSNIFISVLITNVAGVGDIVSVKIKGSR TGWLP MGRNWGQNW HVSADLKNQP
LSFEVTSSDGLTVTSYNVAPKAWNFGQTFEGKQFL*

CDS (coding sequence)

>PrpEXPA-08

ATGTCACCAACTCTGCAGCTGCTGCTGCCGCTCCTCCTCACATTTCTAGCCTC
CACAGCCCTCTCCCACTTGCCTTCATCCTCCGTC ACTACCACCACCTCACTCTCCA
TCTACGACTGGCAGTCCGCACGCGCCACCTACTACGCCGCTTCGGACCCCGCGA
CGCCGTCGGCGGCGCCTGCGGCTACGGAGATTTGGTGAAGGCCGGCTACGGCAT
GGCAACGGTGGGGCTGAGCGAGCCTCTGTTCGAGCGCGGCCAGATCTGCGGCGC
GTGCTTCGTGCTCCGCTGCGTCGATGACATGCGCTGGTGCATTCCGGGCACCTCC
ATCATCGTCACCGCCACCAACTTCTGCGCCCCTAACTACGGCTTCACCGCCGACG
GTGGGGGCCACTGCAACCCTCCAACAAGCACCTGGTGCTCCCATCGAGGCCTT
CGAGAAGATCGCCATTTGGAAAGCTGGCAATATGCCCGTCCAGTATCGCAGGATC
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TCTCAGTGCTGATCACAATGTCGCTGGTGTGGAGACATAGTTTCTGTGAAGAT
CAAAGGTTCAAGAACCGGTTGGCTTCCAATGGGACGAAATTGGGGCCAAAACCTG
GCATGTCAGTGCTGATCTAAAAAACCAACCTCTTTCTTTTCGAGGTC ACTAGCAGC
GATGGGCTCACAGTTACATCTTACAACGTAGCTCCAAGGCTTGGAACCTTTGGAC
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Nucleotide

>PrpEXPA-08

GGTGTGAGCCCCAACGCGAGTGACAGCGTCCCACGAGGTGAAAAGCAAAAACA
TTACTACTACTCGAGACTTCCGTCTATTACTTCATTTATTAGCATCTTTGTCACTGT
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