

IDENTIFICATION

Species: *Prunus persica*

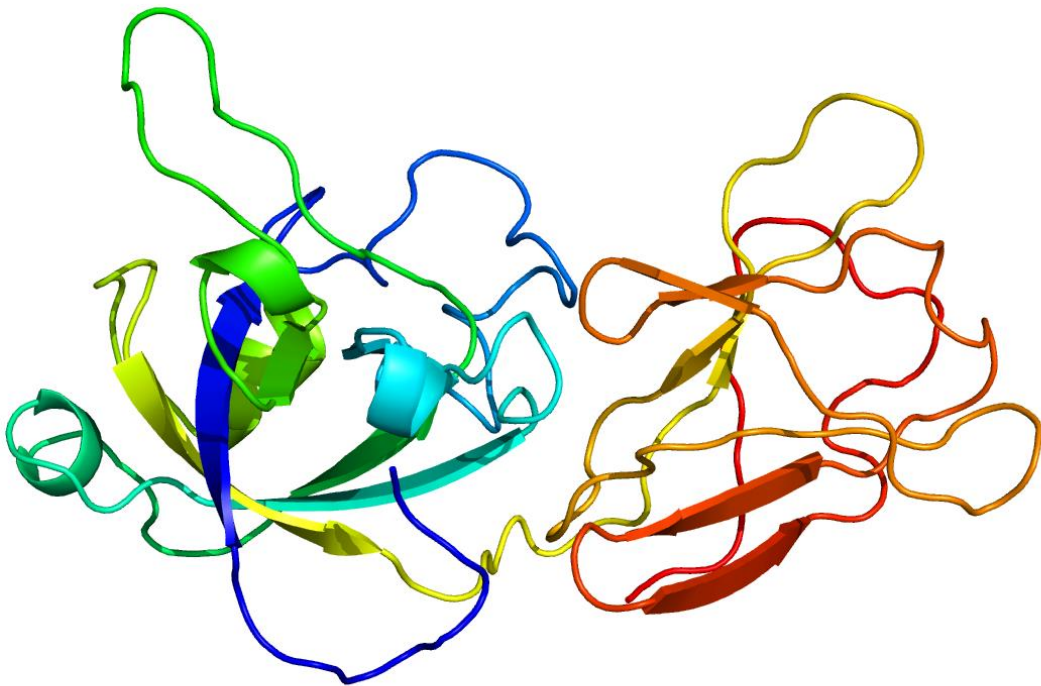
Locus: Prupe.8G182000

Gene Model: Prupe.8G182000.1.p

Description: PrpEXPA-21

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>

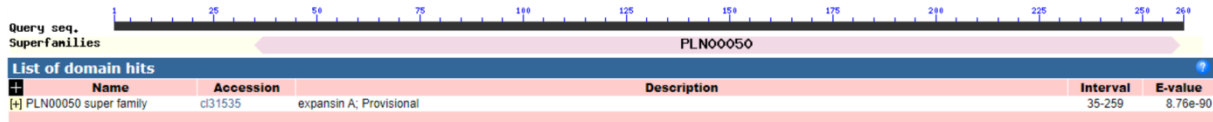
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-21

MGGTLQATLLYLVLVLLHVCRCNSNIVVSQDEEWKTATATYSKETDGSIIITEGACG
YGLHKISYGKHSAGLSGILFNKGSICGACYELRCVDHILWCLLGSPSVTLTATDFCPP
NYGLSKDYGGWCNFPKEHFEMSEAAFAEIAKRKADIVPVQYRRVKCERSGGLRFMM
SGSSHFYQVLITNVGSDGEILAVKVKGSRTGWIPMARNWQNWQSNVNLKGQPLSF
EVTISSGRTLTSYNVAPANWQFGQTFEGKQF*

CDS (coding sequence)

>PrpEXPA-21

ATGGGAGGAACCCTTCAAGCTACACTTCTCTACTTGGTTCTCTACTTGGTTCTTTT
GCATGTATGCAGGTGCAGCAACATTGTTGTTTCGCAAGATGAAGAATGGAAGACT
GCTACTGCAACATATTCAAAGAAACAGATGGGTCTATTACTGAAGGTGCTT
GTGGTTATGGGGACCTTCACAAGATTAGCTATGGCAAACACAGTGCTGGGTTGAG
TGGCATTTTATTCAACAAAGGGAGTATATGTGGGGCTTGTTATGAGTTGAGATGT
GTTGACCACATCTTGTGGTGCCTGTTAGGGAGCCCCTCTGTTACTCTCACTGCTAC
AGATTTCTGCCCTCAAATTATGGGCTTCAAAGATTATGGTGGTTGGTGCAATT
TCCCTAAAGAACACTTTGAGATGTCAGAGGCAGCATTCGCTGAAATTGCAAAGAG
AAAAGCTGATATTGTGCCAGTTCAGTATAGGAGGGTGAAGTGTGAGAGAAGTGG
GGGGCTGAGATTCATGATGAGTGGAAGTTCTCACTTCTACCAAGTCTTGATTACA
AATGTAGGTTCAAGATGGGGAAATACTTGCTGTCAAGGTGAAGGGTTCGAGAACC
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CTTAAGGGGCAGCCTCTTTCCTTTGAGGTAACCATCAGTAGTGGAAGAACTCA
CATCTTATAATGTTGCTCCAGCAAACCTGGCAGTTTGGTCAGACATTTGAGGGGAA
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Nucleotide

>PrpEXPA-21

GAATTAGTTTTTATTTCTTTTAAATTATTTATTTCAAGGCTTTCCGTATCTGTCT
GCCATCAATACAAAGCCTCAAATCCCCTCCATCTTGAATGAAGCCAAATGCAGGC
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TATGTGGGGCTTGTATGAGTTGAGATGTGTTGACCACATCTTGTGGTGCCTGTTA
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TTCAAAGATTATGGTGGTTGGTGCAATTTCCCTAAAGAACACTTTGAGATGTCA
GAGGCAGCATTTCGCTGAAATTGCAAAGAGAAAAGCTGATATTGTGCCAGTTCAGT
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TTTGATATTTGGCACTAAGCAAAGATCTCTTTGGGATTTTTTTTTCTTGTGCAGGG
TGAAGTGTGAGAGAAGTGGGGGGCTGAGATTCATGATGAGTGGAAGTTCTCACTT
CTACCAAGTCTTGATTACAAATGTAGGTTTCAGATGGGGAAATACTTGCTGTCAAG
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CTAAACCAATCGTACCACTTCTAGTGTGCACAATAAGAAATGATAACGTAGGACA
ATCCATTATAC