

IDENTIFICATION

Species: *Prunus persica*

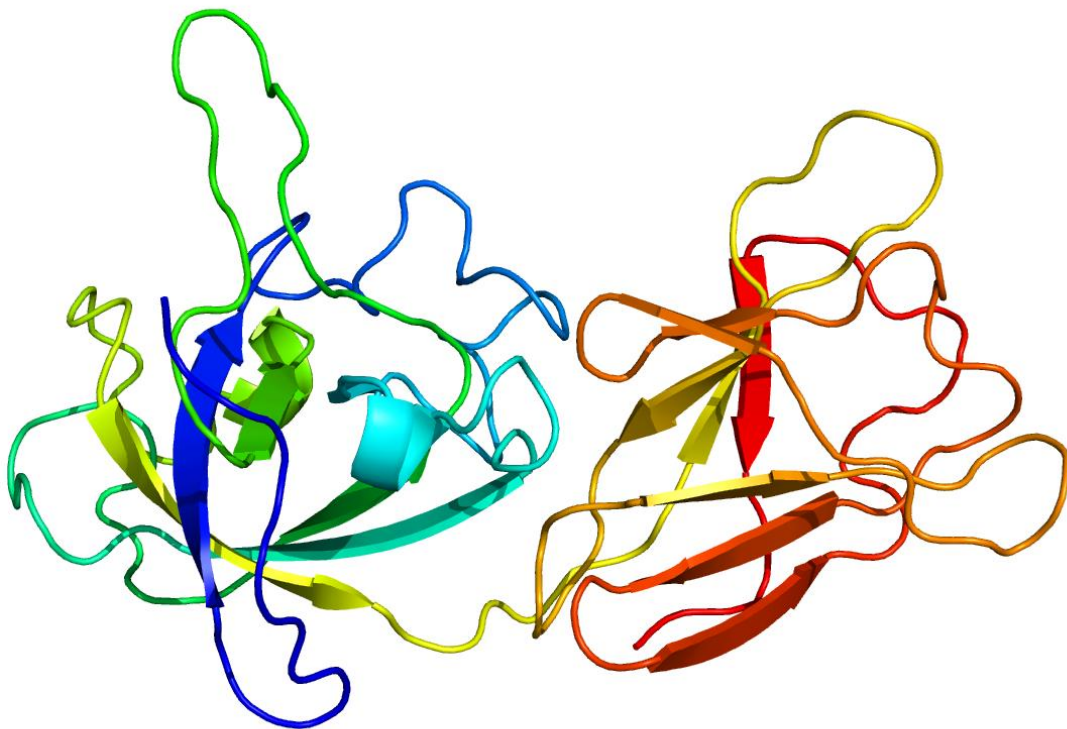
Locus: Prupe.2G121800

Gene Model: Prupe.2G121800.1.p

Description: PrpEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

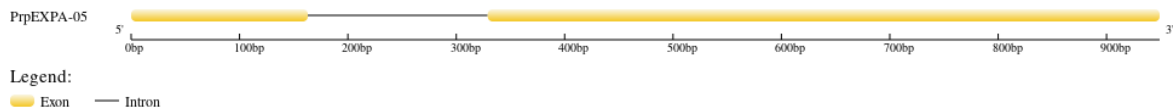
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

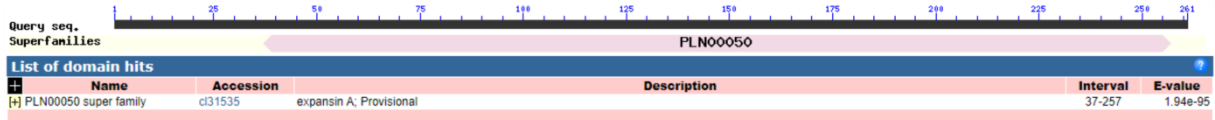
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-05

MAKFQNLFTWAVFMITLLAQAMGKKITVGANA AHNDWDNAHATFYGDMGGAET
MQGACGYGDLFQQGYGLETTALSTALFNGLTCGACFEVMCVD DPQWCIPNSGTIKI
TATNFCPPNWD PAPDHCNPPMKHFDLSMAMFTKLAQAKAGIPIKYRRVPCS KKG
GVK FELKGNPFWLAVLVYNVGRAGDVTSVRIRGSKTDWLQMSRNW GQIWQIGSNM
VGQSLSFQVTTSDGRTRKFDNVAPGDWQFGQTYEGKNNF*

CDS (coding sequence)

>PrpEXPA-05

ATGGCTAAGTTTCAGAACTTGTTTACATGGGCAGTGTTTCATGATCACTCTTTTGGC
TCAAGCCATGGGCAAGAAAATCACCGTTGGTGCAAACGCCGCACACAATGACTG
GGACAATGCACACGCAACGTTTTATGGTGACATGGGTGGAGCAGAAACCATGCA
GGGGGCTTGTGGATATGGTGATCTCTTCCAACAAGGCTATGGCTTGGAGACAACA
GCTCTAAGCACGGCACTATTCAACAATGGGCTTACTTGTGGTGCTTGTGAGGT
CATGTGTGTAGATGATCCACAATGGTGCATACCAAATTCTGGCACAATCAAAATC
ACAGCAACCAATTTCTGCCACCAAATTGGGATCCAGCTCCTGACCATTGGTGCA
ATCCTCCAATGAAACACTTTGACTTGTCCATGGCTATGTTCACAAAGCTTGCACA
GGCCAAAGCTGGCATAATTCCTATCAAATATAGAAGAGTACCTTGTCTAAAAAA
GGAGGGGTTAAGTTTGAGCTCAAAGGAAACCCGTTTTGGCTTGTGTTTTAGTGT
ACAATGTTGGTCGTGCTGGGGATGTGACAAGTGTGAGAATCAGAGGGTCTAAGA
CTGATTGGCTTCAAATGTCACGAAATTGGGGCCAAATTTGGCAGATTGGAAGCAA
CATGGTAGGGCAAAGCTTGTCTGTTTCAAGTCACTACAAGTGATGGGAGAACACGT
AAGTTTGATAATGTTGCTCCTGGAGATTGGCAATTTGGCCAAACCTATGAGGGGA
AGAATAATTTTTAA

Nucleotide

>PrpEXPA-05

ATGGCTAAGTTTCAGAACTTGTTTACATGGGCAGTGTTTCATGATCACTCTTTTGGC
TCAAGCCATGGGCAAGAAAATCACCGTTGGTGCAAACGCCGCACACAATGACTG
GGACAATGCACACGCAACGTTTTATGGTGACATGGGTGGAGCAGAAACCATGCG
TAAGTGAAGAATATAATTTGTGTATGCATCCGCCGTTGCATACATAACCTCTCC
CTCACAATGGTACCACACGTAGTGATGAACATAATATGAGAGGAAGGTGTATAT

AATCAAGTATTCGATATGTAAAATGAGATAACTTATTGTGATTGTTAATTGAACA
GAGGGGGCTTGTGGATATGGTGATCTCTTCCAACAAGGCTATGGCTTGGAGACAA
CAGCTCTAAGCACGGCACTATTCAACAATGGGCTTACTTGTGGTGCTTGCTTTGA
GGTCATGTGTGTAGATGATCCACAATGGTGCATACCAAATTCTGGCACAATCAAA
ATCACAGCAACCAATTTCTGCCACCAAATTGGGATCCAGCTCCTGACCATTGGT
GCAATCCTCCAATGAAACACTTTGACTTGTCCATGGCTATGTTCACAAAGCTTGC
ACAGGCCAAAGCTGGCATAATTCCTATCAAATATAGAAGAGTACCTTGTTCTAAA
AAAGGAGGGGTAAAGTTTGAGCTCAAAGGAAACCCGTTTTGGCTTGCTGTTTTAG
TGTACAATGTTGGTCGTGCTGGGGATGTGACAAGTGTGAGAATCAGAGGGTCTAA
GACTGATTGGCTTCAAATGTCACGAAATTGGGGCCAAATTTGGCAGATTGGAAGC
AACATGGTAGGGCAAAGCTTGTCGTTTCAAGTCACTACAAGTGATGGGAGAACA
CGTAAGTTTGATAATGTTGCTCCTGGAGATTGGCAATTTGGCCAAACCTATGAGG
GGAAGAATAATTTTAA