

IDENTIFICATION

Species: *Prunus persica*

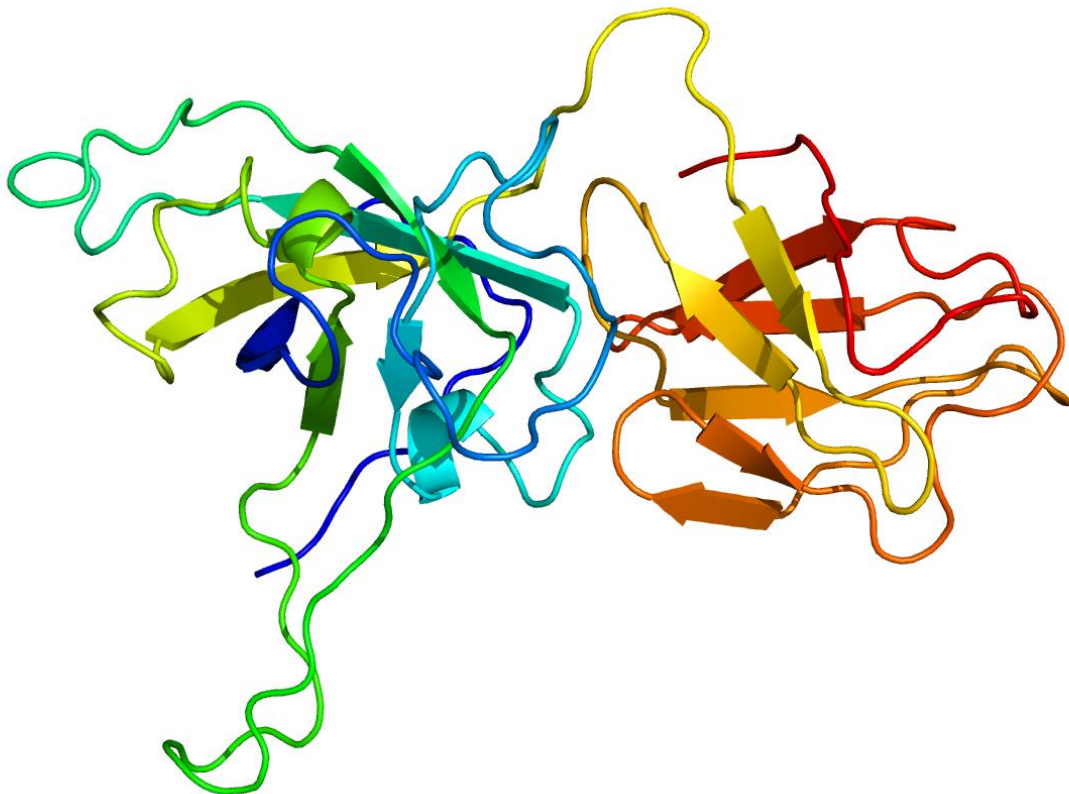
Locus: Prupe.2G237000

Gene Model: Prupe.2G237000.1.p

Description: PrpEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

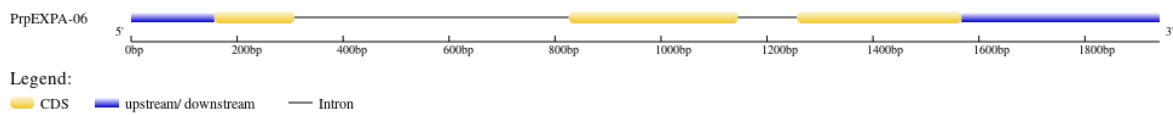
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

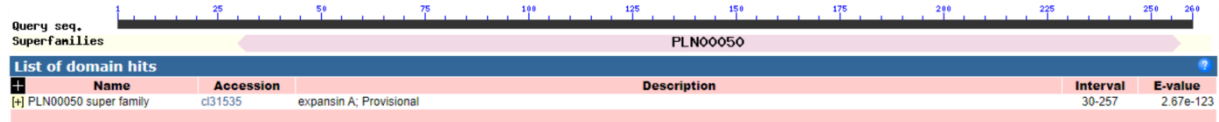
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-06

MATMALLCIVSLIALASTIVEARIPGVYSGEAWQGAHATFYGGSDASGTMGGACGY
GNLYSQGYGVNTAALSTALFNGLSCGACFEIKCANQPQWCHSGSPSIFVTATNFCPP
NYALPNDNGGWCNPPRSHFDLAMPMFLKIAEYRAGIVPVS YRRVPCRKQGGIRFTVN
GFKYFNLVLITNVAGAGDIVKVS VKGSKTGWMSLSRNWQNWQSNVLAGQSLSF
RVTGSDRRRTSTSWNIVPANWQFGQTFGTGKNFRV*

CDS (coding sequence)

>PrpEXPA-06

ATGGCTACCATGGCTCTTCTCTGCATTGTCTCTCTCATAGCATTGGCAAGTACAAT
TGTTGAGGCCAGAATTCCTGGTGT TTA CTCTGGCGAGGCATGGCAGGGTGCTCAT
GCTACTTTCTATGGCGGCAGTGACGCCTCTGGA ACTATGGGAGGAGCATGTGGGT
ACGGAAATTTGTACAGCCAAGGCTACGGTGTGAACACAGCGGCACTGAGCACAG
CTCTTTTTAACAACGGTTTGAGCTGTGGAGCTTGCTTCGAGATCAAGTGTGCAAAT
CAGCCTCAATGGTGTCACTCTGGTAGCCCTCCATTTTTGTACCCGCCACTA ACTT
TTGCCCTCAAATTACGCCTTGCCCAACGACAATGGCGGCTGGTGCAATCCTCCT
CGCTCCCACTTCGATCTCGCCATGCCATGTTCC TCAAGATCGCCGAGTACCGCGC
CGGCATTGTCCCTGTCTCTTATCGCCGGGTGCCATGCCGGAAGCAAGGTGGGATC
AGGTTACGGTCAACGGCTTCAAGTACTTCAACTTGGTTTTGATCACCAACGTCG
CGGGTGCAGGGGATATAGTGAAGGTGAGCGTGAAAGGGT CGAAGACTGGATGGA
TGAGCTTGAGCCGCAACTGGGGTCAGAACTGGCAGTCAAATGCTGTCTTGGCTGG
ACAGTCACTCTCCTTCAGGGTCACAGGGAGTGACCGGCGCACTTCCACTTCCTGG
AACATTGTCCCTGCCAATTGGCAGTTTGGCCAAACTTTC ACTGGAAAGAATTTCA
GAGTCTAA

Nucleotide

>PrpEXPA-06

ATTTGCCTCCTCGGCCTCGATAAATAGCACTCCACCCCTCTGCCTTCTGCTCACAC
CCAACCTCCAAGAAAAAACCATTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT
CTCTCTCTCTCTCTCTCTCTCTCTTCCAGAGAAGTGCTGAAAAGCAATGGCTACCATG
GCTCTTCTCTGCATTGTCTCTCTCATAGCATTGGCAAGTACAATTGTTGAGGCCAG
AATCCTGGTGT TTA CTCTGGCGAGGCATGGCAGGGTGCTCATGCTACTTTCTATG

GCGGCAGTGACGCCTCTGGA ACTATGGGTAATTTCAAGAACTTTCATGACCCCCT
GCATTTTAGTATTTTACTAAGCACAGCATAACATAAAGTTCATCCCTTTTGGATTT
GGA ACTCCCAATTTCCAAAACCCACATCAAATTTTCCACAATTTTCTCACATTCT
CTATGTACCAATTTTCATGAAAACCATGATTCAGTTTTGGTTCATAAACGTAAAGTT
CGTTCCTTTCATGCATTTTGCTAAGCATTACATAACATAATGTTCACTCCTTTTTGT
ATTTTCGAAAACCCACATCAAATTTCCACAATGTTCTCAAGTTATGTACCCGATTTT
ATGAAGAAACCATACTTCAATTTTACTTCATAGCATAAAGTTCATTCCTTTTGGAT
TCGGACCTCCCAATATCAAAAACCCACATCAAATTTTCCCTTAAATTTCTCACATT
CTTGATGTACCCAAATTTAAGAAAAAACCATGTCTCAATTTTAGTTCATAACATA
AAGTTCATTCCTTTTGATTGATTTTGTGTATGTACTATACAGGAGGAGCATGTGGG
TACGGAAATTTGTACAGCCAAGGCTACGGTGTGAACACAGCGGCACTGAGCACA
GCTCTTTTTAACAACGGTTTGAGCTGTGGAGCTTGCTTCGAGATCAAGTGTGCAA
ATCAGCCTCAATGGTGTCACTCTGGTAGCCCCTCCATTTTTGTCACCGCCACTAAC
TTTTGCCCTCCAAATTACGCCTTGCCCAACGACAATGGCGGCTGGTGCAATCCTCC
TCGCTCCC ACTTCGATCTCGCCATGCCCATGTTCCCTCAAGATCGCCGAGTACCGCG
CCGGCATTGTCCCTGTCTCTTATCGCCGGTGAGCTCCCTCTCCGCCGACATTAAAT
TAGAGTAGTTTAGACTACCAATTGTAAGAAAATGACTCATAGTTTATACGTAGAG
AAATTACTTAAATGCCCTTTTGTGTGTAGGGTGCCATGCCGGAAGCAAGGTGGGA
TCAGGTTACGGTCAACGGCTTCAAGTACTTCAACTTGTTTTGATCACCAACGTC
GCGGGTGCAGGGGATATAGTGAAGGTGAGCGTGAAAGGGTCGAAGACTGGATGG
ATGAGCTTGAGCCGCAACTGGGGTCAGA ACTGGCAGTCAAATGCTGTCTTGGCTG
GACAGTCACTCTCCTTCAGGGTCACAGGGAGTGACCGGCGCACTTCCACTTCTG
GAACATTGTCCCTGCCAATTGGCAGTTTGGCCAACTTTCACTGGAAAGAATTT
AGAGTCTAATATTCAATTTTCCCGCTTTATTATATCATTTTGTATATATTTGTT
TTGGGAAAAGAGAGAAAGAGTTGTGCGGTTAAAACTTTTTTTGACTGTTGGTG
GGGGGTGAGGAGAGAGAAAAAGAAGAAGGTAAAAGTGAAGTTGTAAGCAGCTG
AGGTGGCTGGTCGTGTAGCCCGCAGCTTTGGTTGTTGTTAACTTATAATATATATA
CCATAAGTTATAGACATGATCAAGTATTTTCAATTTTCTTGCTTTTGATTTTGT
CATGTTGAGTGCTTTTGGGCTTGCTTTTGACAATGGTTCGCACTCGGGGTGTGATT
TTACCTATAATCATGGATTTTGAAGGGATGTCTGCCACTAGCAGCTGAA