

IDENTIFICATION

Species: *Prunus persica*

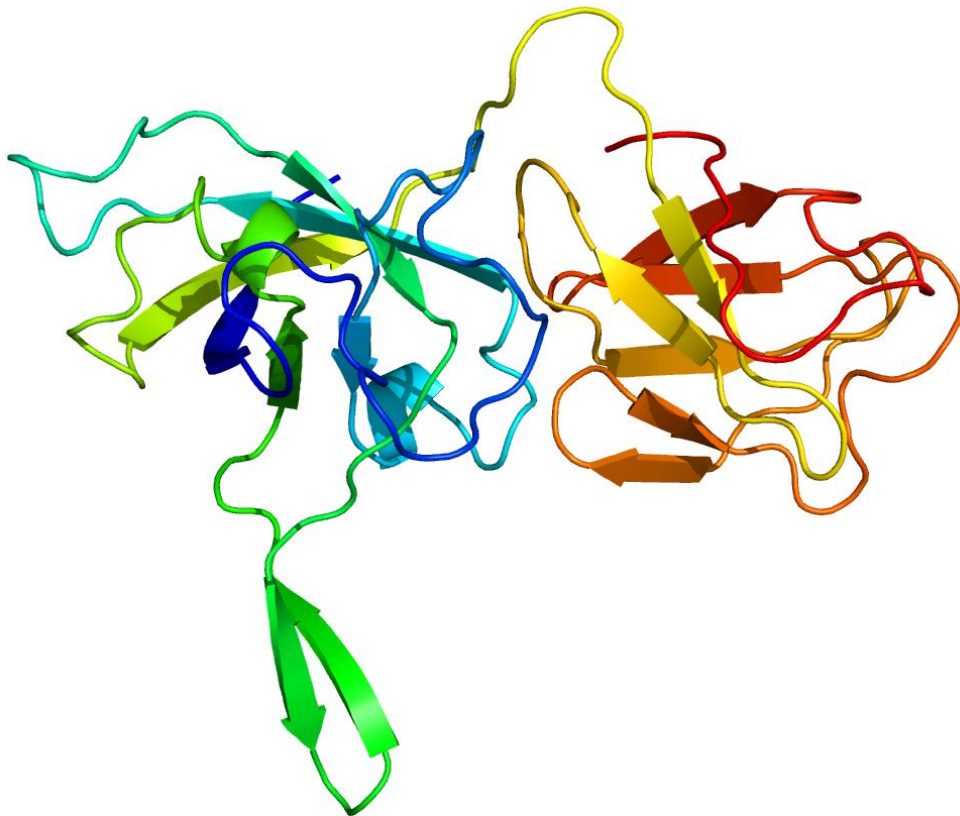
Locus: Prupe.6G042000

Gene Model: Prupe.6G042000.1.p

Description: PrpEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

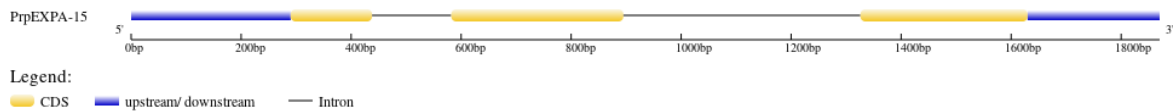
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

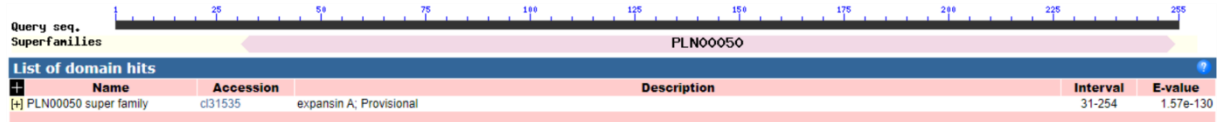
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-15

MSPQALSLAPLALS LVLFNHLHGFADYGGWEGAHATFYGGGDASGTMGGACGY
GNLYSQGYGTNTAALSTALFNGLSCGSCYEMRCNNDPRWCRPGSIIVTATNFCPPN
FAQSNDNGGWCNPPLQHFDLAEP AFLQIAQYRAGIVPVTFRRVPCMKKGGIRFTING
HSYFNLVLITNVGGAGDVHSVSIKGSRTGWQPMSRNWQNWQSN TYLNGQSLSFQV
TTSDGRTVTSYNVAPGNWQFGQTFSGGQF*

CDS (coding sequence)

>PrpEXPA-15

ATGTCACCTCAGGCATTGTCTTTAGCTCCTCTAGCCCTCTCTCTTGTCTCTTCAAT
CTTCATCTTCATGGTGCTTTTGCTGATTATGGTGGCTGGGAAGGCGCTCATGCCAC
TTTTTATGGTGGCGGTGATGCCTCAGGAACAATGGGGGAGCATGTGGGTATGGG
AACTTGTACAGCCAGGGGTATGGAACCAACACTGCAGCTTTAAGCACAGCCTTGT
TTAACAATGGCTTGAGCTGTGGCTCTTGTTATGAAATGAGATGCAACAATGACCC
TAGATGGTGTCTGTCCTGGAAGCATCATTGTTACTGCTACAACTTTTGCCACCTA
ACTTTGCTCAGTCCAACGACAATGGCGGCTGGTGCAATCCTCCTCTCCAGCACTTT
GATTTGGCTGAGCCTGCTTTCTTGCAAATTGCCCAATACCGCGCTGGGATTGTGCC
TGTTACCTTCAGAAGAGTGCCCTGTATGAAGAAAGGAGGAATAAGATTCACCATC
AATGGCCACTCCTACTTCAACCTGGTTTTGATCACCAACGTTGGTGGTGCAGGTG
ACGTCCATTCAGTTTCAATCAAGGGGTCCAGAACAGGGTGGCAACCCATGTCAAG
AACTGGGGGCAAACTGGCAGAGCAACTTACCTGAATGGCCAGAGCCTCTC
CTTCCAAGTGACCACCAGTGACGGAAGA ACTGTCACAAGCTACAACGTGGCCCCT
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Nucleotide

>PrpEXPA-15

ATTGCTGGGAAATTGCATGTGGAGAAGTTTGGCCACTGGCGTAGCGGTTGGTAA
CCCCAACCAAGAACAGCGCATGTGCACTTGATTTTCTCAATCACTTGCTGCTGCTG
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TCCTTATAAATAGAGGCCCTCGTGCCTCTAAAGCACAAACCAAAACAAACAC
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ATTGTCAAACCGAGAATCTCAATGATAATGAACGGTTCAGAGTTAGTAACAACAT
TGCTTATCACTAGTTTTCTAGATTATATAAAATGGGGTAATAAGCATAGTGAAAT
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GCCCTGTATGAAGAAAGGAGGAATAAGATTCACCATCAATGGCCACTCCTACTTC
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