

IDENTIFICATION

Species: *Prunus persica*

Locus: Prupe.7G125000

Gene Model: Prupe.7G125000.1.p

Description: PrpEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

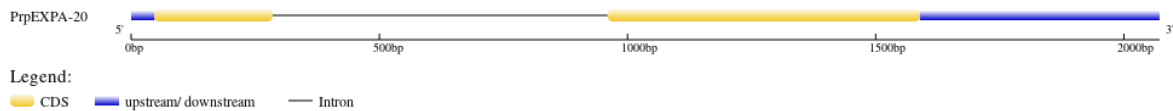
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

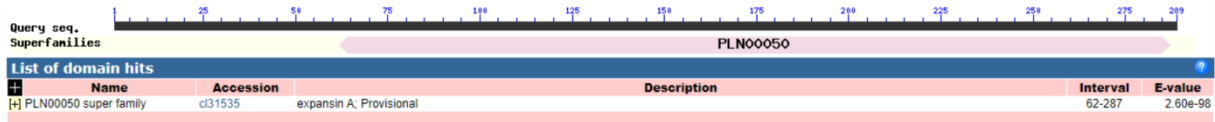
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-20

MAMPMSLSAKAMTMKTLQALLGSLLLFLLLLPDHVQVFAANRVLLGAKEEHDED
GPRFKPSPWKRAHATFYEGGSGTFGGACGYHDVVKEGYGLETVALSDALFNKGQSC
GSCFEIKCVDSPQWCKPGQPVLAVTATNHCPPNWNQPSDNGGWCNPPREHFEDIAKP
VFLNIVAQHKAGIVPVEYRRVPCKKKGGIRFTITGNPYFHEVLVWNAAGSGDVTSVE
VKGGKLQWTPLERMWQQRWVTGAKLSGEALFRVGEDGRTITSVNVAPKNWQFG
QTYEGKNFD*

CDS (coding sequence)

>PrpEXPA-20

ATGGCCATGCCAATGTCGTCACTGAGTGCAAAGCCATGACAATGAAGACATTGC
AAGCCCTCTTGGGGTCATTGCTGCTCTTTCTTCTTCTGCTACCTGACCATGTCAA
GTCTTTGCTGCTAACCGTGTACTTCTTGGCGCCAAGGAGGAGCACGATGAGGATG
GGCCAAGGTTCAAGCCAGCCCTTGAAGCGTGCTCATGCCACATTCTATGAAGG
AGGCTCCGGAACCTTTGGTGGAGCTTGTGGTTACCATGACGTTGTTAAAGAAGGC
TATGGCCTAGAAACCGTAGCATTAAAGCGATGCATTGTTTAAACAAGGACAGTCAT
GTGGTTCATGTTTTGAAATCAAATGTGTAGACTCGCCTCAATGGTGCAAACCCGG
GCAGCCAGTTCTCGCAGTCACAGCAACAACCACTGCCACCAAATTGGAATCAG
CCTAGTGACAATGGAGGATGGTGCAATCCTCCACGCGAGCATTTCGACATAGCCA
AGCCTGTCTTCTCAATATTGTTGCCAGCACAAGGCCGGCATCGTGCCGGTAGA
ATACCGAAGAGTTCCATGCAAGAAGAAAGGAGGAATTAGGTTTACAATAACTGG
GAACCCTTATTTCCATGAAGTGTTGGTTTGAATGCGGCTGGCTCTGGGGATGTG
ACAAGTGTGGAAGTGAAGGGTGGGAAGCTTCAATGGACGCCGCTGGAGCGAATG
TGGGGTCAGAGGTGGGTCACTGGTGCTAAGCTTTCTGGGGAGGCACTGACATTTA
GGGTTGGAGAGAGTGATGGGAGAACCATAACCTCTGTGAATGTTGCCCCAAGA
ATTGGCAGTTTGGCCAGACCTACGAAGGCAAGAACTTCGACTAG

Nucleotide

>PrpEXPA-20

AGAAATTAACATCTGAGAAACAAAAATATATACCAATTAATTAATTAATGGCCAT
GCCAATGTCGTCACTGAGTGCAAAGCCATGACAATGAAGACATTGCAAGCCCTC
TTGGGGTCATTGCTGCTCTTTCTTCTTCTGCTACCTGACCATGTCCAAGTCTTTGCT

