

IDENTIFICATION

Species: *Prunus persica*

Locus: Prupe.2G263600

Gene Model: Prupe.2G263600.1.p

Description: PrpEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

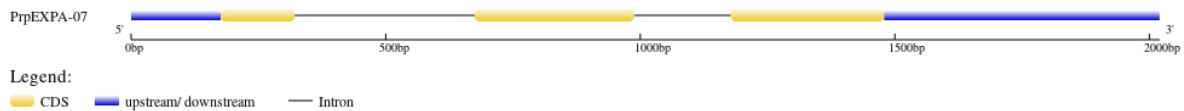
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1

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

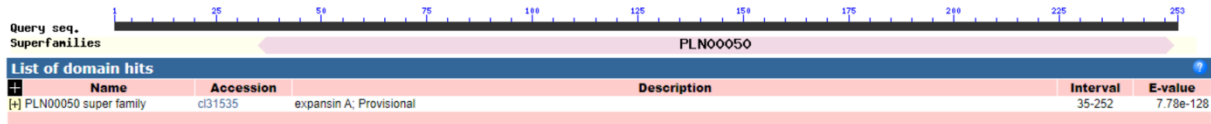
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PrpEXPA-07

MAFTSHLAIALLFSVLNLCLQGTYGDYGGGWEGGHATFYGGGDASGTMGGACGYG
NLYSQGYGTNTAALSTALFNDGLSCGSCYEMRCDSDPKWCLPGSIIVTATNFCPPNL
AQSNDNGGWCNPPQLQHFDLAEPFLQIAQYRAGIVPVSFRRVSCVKKGGIRFTINGHS
YFNLVLITNVGGAGDVHSVSIKGSKTGWQAMSRNWGQNWQSN SYLNGQALSFQVT
TSDGRTVTSNAV PANWQFGQTFSGGQF*

CDS (coding sequence)

>PrpEXPA-07

ATGGCTTTTACCTCACACTTAGCCATTGCTCTTCTGTTCTCTGTTCTCAATCTATGT
CTTCAAGGCACTTATGGTGACTATGGAGGAGGATGGGAAGGTGGTCATGCCACAT
TTTATGGTGGGGGTGATGCCTCTGGCACAATGGGAGGTGCTTGTGGATATGGAAA
TTTGTATAGCCAAGGGTATGGAACCAACACTGCAGCTCTCAGCACAGCTCTGTTC
AACGATGGCTTGAGCTGTGGGTCTTGTTATGAGATGAGATGTGACAGTGACCCCA
AATGGTGCCTCCCCGGCAGCATCATCGTCACTGCCACAACTTCTGCCCTCCTAA
CTTAGCTCAGTCTAATGACAATGGTGGCTGGTGCAACCCTCCTCTCCAGCACTTTG
ATTTGGCTGAGCCTGCCTTCTTACAAATTGCTCAATACCGAGCCGGAATTGTCCCC
GTCTCCTTCAGAAGGGTTTCTTGTGTGAAAAGGGAGGGATAAGATTCACCATCA
ACGGTCACTCTTACTTCAACTTGGTTTTGATCACAAACGTTGGAGGTGCAGGGGA
TGTGCACTCTGTTTCAATCAAGGGGTCCAAAACAGGGTGGCAAGCCATGTCAAGG
AACTGGGGCCAGAACTGGCAGAGCAACTCTTACCTCAATGGCCAGGCTTTGTCTT
TCCAAGTCACCACAGTGACGGTAGAACTGTGACCAGCAATGCTGTGCCAGCTAA
CTGGCAGTTTGGTCAAACATTTTCGGGCGGTCAATTCTAG

Nucleotide

>PrpEXPA-07

AACTTGTCTCTTTCTTTCTGGGTATACAGCCCCACCAAACGCCCCCAACCAATGC
CTTCAACTCCCTATATAAGAAAACCCCAATTCCCTAAAGCTAAGCACTCACCCT
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ATACACAACAATGGCTTTTACCTCACACTTAGCCATTGCTCTTCTGTTCTCTGTTCT
CAATCTATGTCTTCAAGGCACTTATGGTGACTATGGAGGAGGATGGGAAGGTGGT
CATGCCACATTTTATGGTGGGGGTGATGCCTCTGGCACAATGGGTAAAGTTACCAA

GTTCCAAGTCTCTTTTTTCTTCTCTCTTTCTGTTTTTCTTCACTTTGGGATAATTTT
TGTGTTAAGGTTAAAAGCTTTAGTGTAATTTGAGCTTTTGGGTAAAAACCCAAA
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TAGTAGCTCAAAGTGTAAATTTCTACCATGAATTGATGGGATCATATATGTTGGT
GTTGCAGGAGGTGCTTGTGGATATGGAAATTTGTATAGCCAAGGGTATGGAACCA
ACACTGCAGCTCTCAGCACAGCTCTGTTCAACGATGGCTTGAGCTGTGGGTCTTG
TTATGAGATGAGATGTGACAGTGACCCCAAATGGTGCCTCCCCGGCAGCATCATC
GTCAGTCCACAACTTCTGCCCTCCTAACTTAGCTCAGTCTAATGACAATGGTG
GCTGGTGCAACCCTCCTCTCCAGCACTTTGATTTGGCTGAGCCTGCCTTCTTACAA
ATTGCTCAATACCGAGCCGGAATTGTCCCCGTCTCCTTCAGAAGGTAAAAAAAAG
TAATTTTCGATGCGACGGTCACATATAATAGTTTTATTTGTGTTGTGAGTTAGTCA
CATCAACATGGTTGTGTTTATATAGACTCACGAATAATTTTTCAGTGTGACGGT
TGCAAACAATAATTTTATTTGTGAGCTAGTGACATTTTAAACATGGTTGTTGCGTT
GGTATGTGCAGGGTTTCTTGTGTGAAAAAGGGAGGGATAAGATTCACCATCAACG
GTCAGTCTTACTTCAACTTGGTTTTGATCACAAACGTTGGAGGTGCAGGGGATGT
GCACTCTGTTTCAATCAAGGGGTCCAAAACAGGGTGGCAAGCCATGTCAAGGAA
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TTAGATCAATGAGTGTATTAATAGGAGCTTTTCTTTAGAAAAGATGCAACTAATG
ACCATTATCATCTGAGATTCTGAGC