

## IDENTIFICATION

**Species:** *Prunus persica*

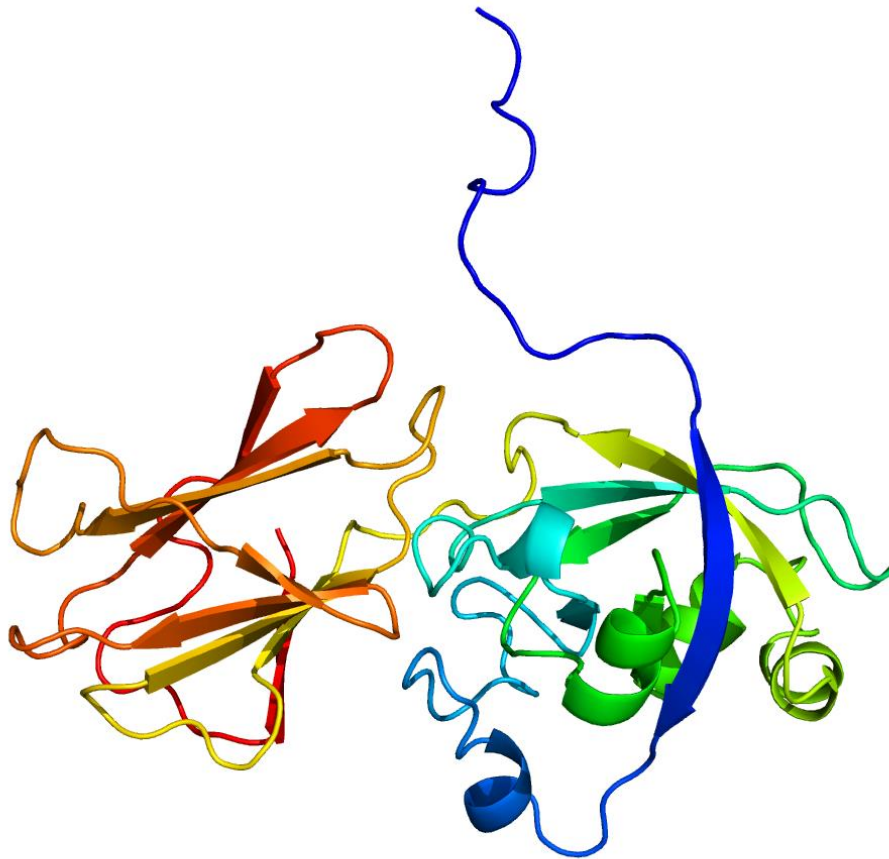
**Locus:** Prupe.2G136500

**Gene Model:** Prupe.2G136500.1.p

**Description:** PrpEXPB-01

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

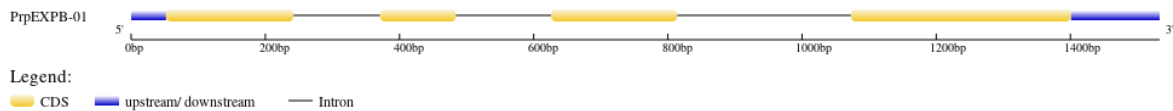
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Ppersica\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Ppersica_v2_1)

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

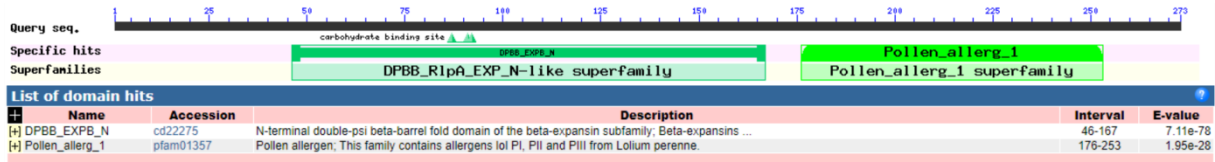
## EXTERNAL RESOURCES

[https://www.rosaceae.org/species/prunus\\_persica/genome\\_v2.0.a1](https://www.rosaceae.org/species/prunus_persica/genome_v2.0.a1)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PrpEXPB-01

MALVLQP SLSMFTLVTLFSILLNLNPSSCFNPKLFSVSR LQSDSDWAAAGATWYGNP  
DGAGTDGGACGYGNAVENSPFSKMVSAGGPSLFSKSGKGC GACYQVKCTTNAACSG  
NSATVVITDECPGCTSESVHFDLSGTAFGAMAVSGQEGQLRNAGVLQIQYKRVD CN  
YPGVTLIFRVDSGSNP NYFATLIEYEDGAGDLTEVHLKQSGGDSDSWLLMQESWGA  
VWKLDSGSALQAPFSIRLTASNGQALVANNVIPAGWQAGQTYRSLVNF\*

### CDS (coding sequence)

>PrpEXPB-01

ATGGCTCTTGTTCTTCAACCTTCATTGTCCATGTTTACTCTTGTAACCTTGTTTTCT  
ATTCTTCTGAACCTAAACCCTAGCTCATGCTTCAACCCAAA ACTCTTCAGTGTGTC  
AAGGCTTCAGTCTGACTCTGACTGGGCGGCAGCCGGTGCAACTTGGTATGGAAAC  
CCCGACGGTGCTGGGACTGATGGGGGTGCTTGTGGTTATGGCAATGCTGTAGAAA  
ACTCTCCATTCTCTAAAATGGTGTCTGCTGGAGGCCCTTCTTTATTCAAATCAGGC  
AAAGGATGTGGAGCTTGTATCAGGTGAAGTGCACGACGAATGCTGCATGCTCAG  
GAACTCGGCGACTGTCGTTATAACCGATGAGTGCCCCGGATGTACTTCAGAGTC  
GGTTCAC TTTGATTTGAGCGGCACTGCGTTTGGAGCCATGGCAGTTTCCGGCCAG  
GAGGGACA ACTACGGAATGCTGGAGTCCTGCAGATTCAATATAAAAGAGTGGAC  
TGCAACTATCCTGGAGTGACCCTCATCTTTCGTGTGCTGACTCGGGTTCAAACCCTAA  
CTATTTTGCTACCCTAATCGAGTATGAAGATGGAGCAGGTGACCTAACTGAAGTT  
CATCTCAAGCAAAGTGGTGGAGACTCGGACTCATGGCTTCTCATGCAGGAATCTT  
GGGGTGCTGTTTGGAAACTTGACTCAGGCTCAGCATTGCAAGCCCCATTCTCTATT  
AGGCTCACTGCAAGCAACGGCCAAGCCCTTGTAGCAAACAATGTCATTCCGGCTG  
GTTGGCAAGCCGGCCAGACTTATCGATCCCTTGTA AACTTTTAA

### Nucleotide

>PrpEXPB-01

AGCCAAGACTTCAATTGCCCTGGTTTACTAGACTCATT AAGTAAGCAGATAATG  
GCTCTTGTTCTTCAACCTTCATTGTCCATGTTTACTCTTGTAACCTTGTTTTCTATT  
CTTCTGAACCTAAACCCTAGCTCATGCTTCAACCCAAA ACTCTTCAGTGTGTCAAG

GCTTCAGTCTGACTCTGACTGGGCGGCAGCCGGTGCAACTTGGTATGGAAACCCC  
GACGGTGCTGGGACTGATGGTAAAGGATATATATATATAGAAAAATGATTTTGGT  
TATTTATATTCATATTAATAACGTGACTTTTGTCTCATGATTTGAGGTTTTATATT  
AGAAATATACATTTTAATTATTGATCTTGTGTTTAGGGGGTGCTTGTGGTTATGGC  
AATGCTGTAGAAAACCTCTCCATTCTCTAAAATGGTGTCTGCTGGAGGCCCTTCTTT  
ATTCAAATCAGGCAAAGGATGTGGAGCTTGTATCAGGTCAAACATATGTAGCGG  
CTTATGTATATGGATGTGACACAAATATTGAAAATTAATTTATGTGCTTATACAA  
AATAATTTCAATTTCAATTTCAATTTAAGAATTTATTACGAAGCTGAAATTAATA  
GCACAAATTTCAAGGTGAAGTGCACGACGAATGCTGCATGCTCAGGGAACCTCGGC  
GACTGTCGTTATAACCGATGAGTGCCCCGGATGTACTTCAGAGTCGGTTCACCTT  
GATTTGAGCGGCACTGCGTTTGGAGCCATGGCAGTTTCCGGCCAGGAGGGACAAC  
TACGGAATGCTGGAGTCTGCAGATTCAATATAAAAAGGTAAAATAAAAAAATAA  
TATGTATAAAAGAAAGCTGAATCTCCTATACCGTCTTCTATGGTCAATCTTCTTCC  
GTTTTAATTTCAATTACCTAGAAGAATATTCTTTTACCAAATAGTCTGACACGTCA  
TTCAAAGTCAATTTGAACTATGAATTACATGGATACCATTTAAATATATGATTTG  
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ATTCTTAATATATGTACAGAGTGGACTGCAACTATCCTGGAGTGACCCTCATCTTT  
CGTGTGACTCGGGTTCAAACCCTAACTATTTTGCTACCCTAATCGAGTATGAAG  
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CTCAGCATTGCAAGCCCCATTCTCTATTAGGCTCACTGCAAGCAACGGCCAAGCC  
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CCCTTGTAACCTTTAATCCTAATAAAAATCTGGGATATTGTACTGGTTTGATGATT  
TAATAAATAAGATTAATTAGTTGCCAGTAGTCAACTTAATTATTGATCGTCACTG  
AAGTCGGTTTGTCTTTATGAAGAAATTCGGTAAGCTGC