

## IDENTIFICATION

**Species:** *Asparagus officinalis*

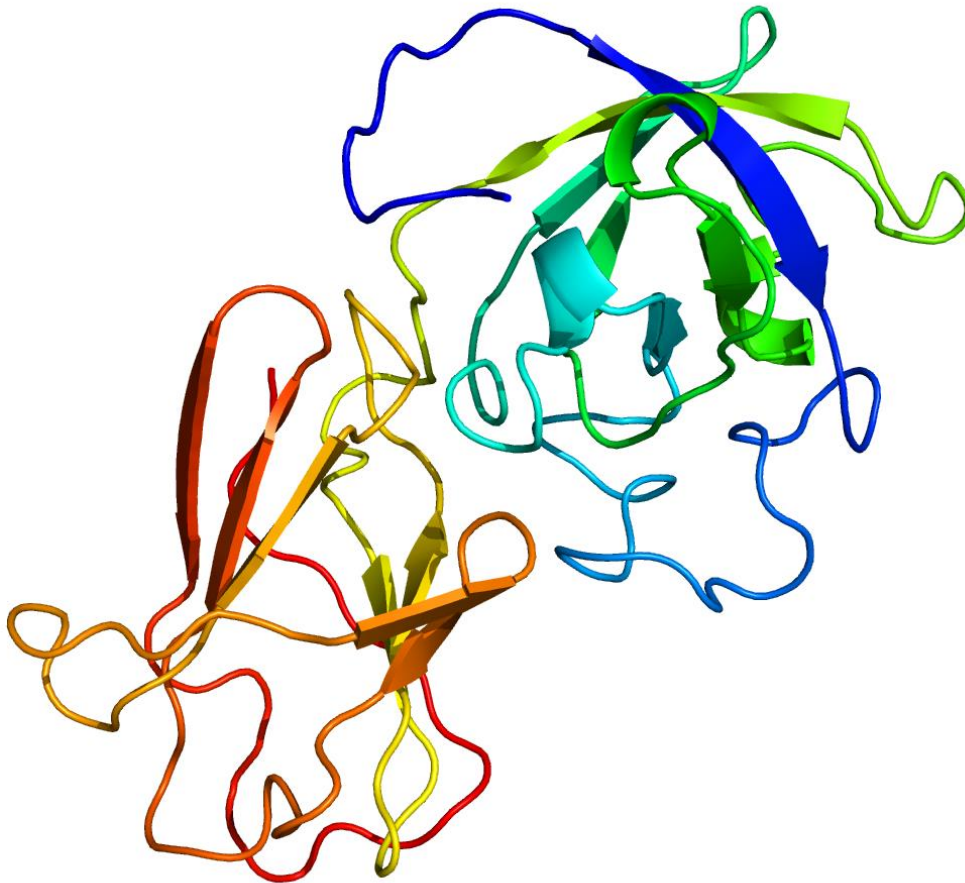
**Locus:** evm.model.AsparagusV1\_03.10

**Gene Model:** evm.model.AsparagusV1\_03.10

**Description:** AofEXPA-02

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Aofficinalis\\_V1\\_1](https://phytozome-next.jgi.doe.gov/info/Aofficinalis_V1_1)

KEGG: <https://www.genome.jp/entry/T05243>

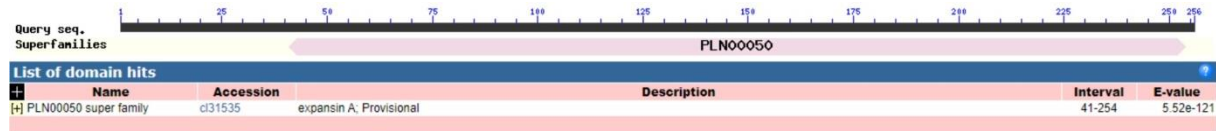
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>AofEXPA-02

MASLMLLLSVSVGFGLVPLLMTPAYGYGRGGGGGGGGGGWSSAHATFYGGGDAS  
GTMGGACGYGNLYSQGYGTNTAALSTAMFNGLSCGSCYXXXXXXXXXVTATNFPC  
PNNALPNNAGGWCNPLHHFDLAQPVFQHIAQYKAGIVPVAYRRVQCRKRGGIRFT  
VNGHSYFNLVLTNVGGAGDVHAVSIKGSRTGWQPMSRNWQNWQSN TYLNGQSL  
SFKVTTSDGRSLVSYNVAPAGWSFGQTFSGAQFR\*

### CDS (coding sequence)

>AofEXPA-02

ATGGCTTCATTGATGTTGTTGCTGTCGGTGTCGGTGGGTTTCGGTTTGGTGCCACT  
ACTGATGACCCCTGCGTACGGGTACGGACGCGGAGGAGGAGGAGGAGGAGGAGGAG  
GAGGAGGGGGATGGTCCAGTGCCCATGCTACCTTCTATGGTGGGGGCGATGCTTC  
CGGGACGATGGGGGGAGCCTGTGGTTATGGGAACCTGTATAGCCAAGGATACGG  
GACAAACACGGCTGCGCTCAGCACAGCGATGTTCAACAACGGCCTCAGCTGCGG  
GTCTTGCTACNNNNNNNNNNNNNNNNNNNNNNNGGTCACCGCCACCAACTTCTG  
CCCGCCGAACAACGCCCTCCCGAACAACGCAGGGGGGCTGGTGCAACCCTCCTCTC  
CACCCTTTGATCTCGCTCAGCCCGTCTTCCAGCACATCGCTCAGTACAAGGCTG  
GCATCGTCCCCGTTGCCTACCGAAGGGTTCAGTGCAGGAAGAGGGGAGGGATAA  
GGTTCACGGTCAACGGTCACTCCTACTTCAACCTGGTCCTCATCACCACGTCGG  
AGGTGCAGGAGATGTTACGCCGTGCCATCAAAGGATCCAGGACCGGGTGGCA  
GCCCATGAGCAGGAAC TGGGGCCAGAACTGGCAGAGCAACA CTTACCTCAACGG  
CCAATCCCTATCCTTCAAGGTCACCACCAGCGACGGAAGGTCCCTCGTCTCCTAC  
AATGTCGCCCTGCTGGCTGGTCCTTTGGCCAAACATTCAGCGGAGCACAATTCC  
GTTGA

### Nucleotide

>AofEXPA-02

ATGGCTTCATTGATGTTGTTGCTGTCGGTGTCGGTGGGTTTCGGTTTGGTGCCACT  
ACTGATGACCCCTGCGTACGGGTACGGACGCGGAGGAGGAGGAGGAGGAGGAGGAG  
GAGGAGGGGGATGGTCCAGTGCCCATGCTACCTTCTATGGTGGGGGCGATGCTTC  
CGGGACGATGGGTGCGTATTATATACATATCCGCCTATTAGATTGTATCATAATTT

CTACTACTTCCTTCAGAGGGAGGGACAAAAAGATATATACATTGCCTCGTTTGT  
TGTTTGTTTTTTCATCCCCCTCCCCCTCCGGCCCCTTCCTTCCTTTTAAATCCA  
ATGTTTTTCGTCAAATCAATTTGTCCCCGTCGGTGTTCGCAGGGGGAGCCTGTG  
GTTATGGGAACCTGTATAGCCAAGGATACGGGACAAACACGGCTGCGCTCAGCA  
CAGCGATGTTCAACAACGGCCTCAGCTGCGGGTCTTGCTACNNNNNNNNNNNN  
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ACAACGCAGGGGGCTGGTGCAACCCTCCTCTCCACCACTTTGATCTCGCTCAGCC  
CGTCTTCCAGCACATCGCTCAGTACAAGGCTGGCATCGTCCCCGTTGCCTACCGA  
AGGTGTTTATTATTATTATTTTTTTTTGGCTTTCGCTTTTGCTTGTCCCGTTCCTGGT  
TGTGTGATATATAGTCAATATTAACCTTGTGGATGCCGGTTGCAGGGTTCAGTGC  
AGGAAGAGGGGAGGGATAAGGTTACGGTCAACGGTCACTCCTACTTCAACCTG  
GTCCTCATACCAACGTCGGAGGTGCAGGAGATGTTACGCCGTGTCCATCAAAG  
GATCCAGGACCGGGTGGCAGCCCATGAGCAGGAACTGGGGCCAGA ACTGGCAGA  
GCAACACTTACCTCAACGGCCAATCCCTATCCTTCAAGGTCACCACCAGCGACGG  
AAGTCCCTCGTCTCCTACAATGTCGCCCCCTGCTGGCTGGTCCTTTGGCCAAACAT  
TCAGCGGAGCACAAATCCGTTGA