

## IDENTIFICATION

**Species:** *Zostera marina*

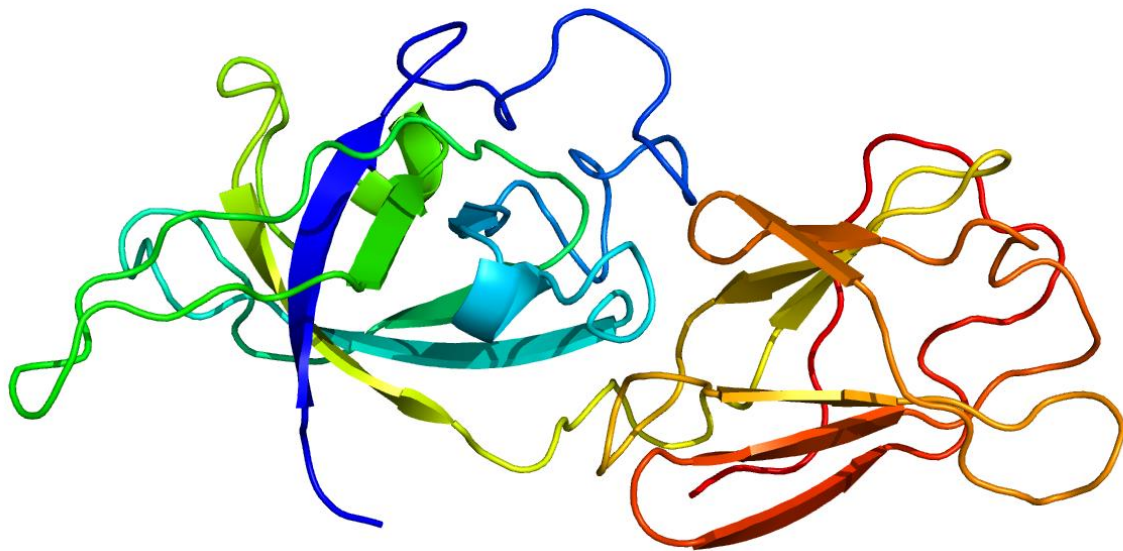
**Locus:** Zosma31g00880

**Gene Model:** Zosma31g00880.1

**Description:** ZmrEXPA-03

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

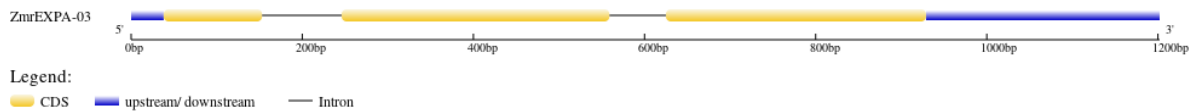
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Zmarina\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Zmarina_v2_2)

KEGG:-

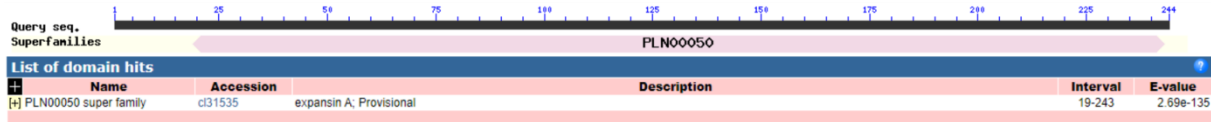
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>ZmrEXPA-03

MKFLVLCLALFLLLCPTTASWNSAHATFYGGGDASGTMGGACGYGNLLSQGYGTET  
AALSTALFNKGAACGSCYEIKCVNDRKWCISGSIRITATNFCPPNNALPNNAGGWCN  
PPQHFDLSQPVFEKIAKYKAGIVPVQYRRVSCKKTGGVRFTHINGHSYFNLVLITNVG  
GAGDVTAVSIKSGKTGWQAMQRNWGMNWQNSYLNQSLSFKVTTSDGKTLLSNS  
VAPADWSFGKTYSGRQF\*

### CDS (coding sequence)

>ZmrEXPA-03

ATGAAATTCCTCGTCCTCTGTCTTGCTCTGTTTCTTCTTCTGTGCCCAACCACCGCC  
AGTTGGAATTCTGCCACGCCACCTTCTACGGAGGCGGTGATGCTTCCGGCACAA  
TGGGGGGAGCTTGTGGGTACGGGAACCTTCTGAGTCAGGGTTACGGAACGGAGA  
CGGCGGCTCTAAGCACTGCTCTGTTCAATAAAGGAGCAGCTTGGCGTTCTTGTTA  
CGAGATCAAGTGTGTTAATGATCGGAAGTGGTGCATCTCGGGATCCATTCGTATC  
ACTGCCACGAATTTCTGTCCGCCCAACAACGCACTCCCAAATAATGCAGGAGGGT  
GGTGCAACCCACCCAGCACCCTTCGATCTCTCCCAACCGGTATTCGAGAAGAT  
CGCAAAGTACAAGGCCGGAATCGTCCCTGTACAATACAGAAGAGTCTCGTGCAA  
GAAAACAGGGGGAGTGAGGTTCAACCATCAATGGACACTCCTACTTCAACCTAGTC  
CTCATCACCAACGTCGGAGGAGCAGGAGATGTCACGGCAGTGTCCATTAAAGGG  
TCTAAGACAGGATGGCAAGCAATGCAGAGGAACTGGGGAATGAACTGGCAGAGT  
AACTCGTACCTCAATGGTCAATCTCTTTCTTTCAAAGTCACCACAAGTGACGGCA  
AGACTCTTTATCCAACAGCGTAGCCCCTGCCGATTGGAGCTTCGGCAAGACCTA  
TTCCGGTCCGCCAGTTCTAA

### Nucleotide

>ZmrEXPA-03

TTCTTCACTCTTACCATCTTTGGACACTTTTTATAACAATGAAATTCCTCGTCCTCT  
GTCTTGCTCTGTTTCTTCTTCTGTGCCCAACCACCGCCAGTTGGAATTCTGCCAC  
GCCACCTTCTACGGAGGCGGTGATGCTTCCGGCACAAATGGGTACGCACGTACATG  
CATACATATCAAGTTAACAAACATTAGGTGATCGTGTGTTTGTATATATATCATA  
TATGTGGTTGGATTGATTGCAGGGGGAGCTTGTGGGTACGGGAACCTTCTGAGTC  
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CAGCTTGCGGTTCTTGTTACGAGATCAAGTGTGTTAATGATCGGAAGTGGTGCAT  
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CAAATAATGCAGGAGGGTGGTGCAACCCACCCCAGCACCACTTCGATCTCTCCCA  
ACCGGTATTCGAGAAGATCGCAAAGTACAAGGCCGGAATCGTCCCTGTACAATA  
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GAGGAAGTGGGAATGAACTGGCAGAGTAACTCGTACCTCAATGGTCAATCTCTT  
TCTTTCAAAGTCACCACAAGTGACGGCAAGACTCTCTTATCCAACAGCGTAGCCC  
CTGCCGATTGGAGCTTCGGCAAGACCTATTCCGGTCGCCAGTTCTAAATTACTTA  
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ATATATATTGGTTGAGGTGCGGTCTGCTGGTAGCTTTTTTATCTATCACGGTGATC  
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ATCATCAAGCAAGGGCTGCCACCCTTTCAAGCGTGCAACTTAATTAATTAGCTTA  
ATTTGTACGCTCGAATCGTATTATAAATATTTGTAATCATTGT