

IDENTIFICATION

Species: *Zostera marina*

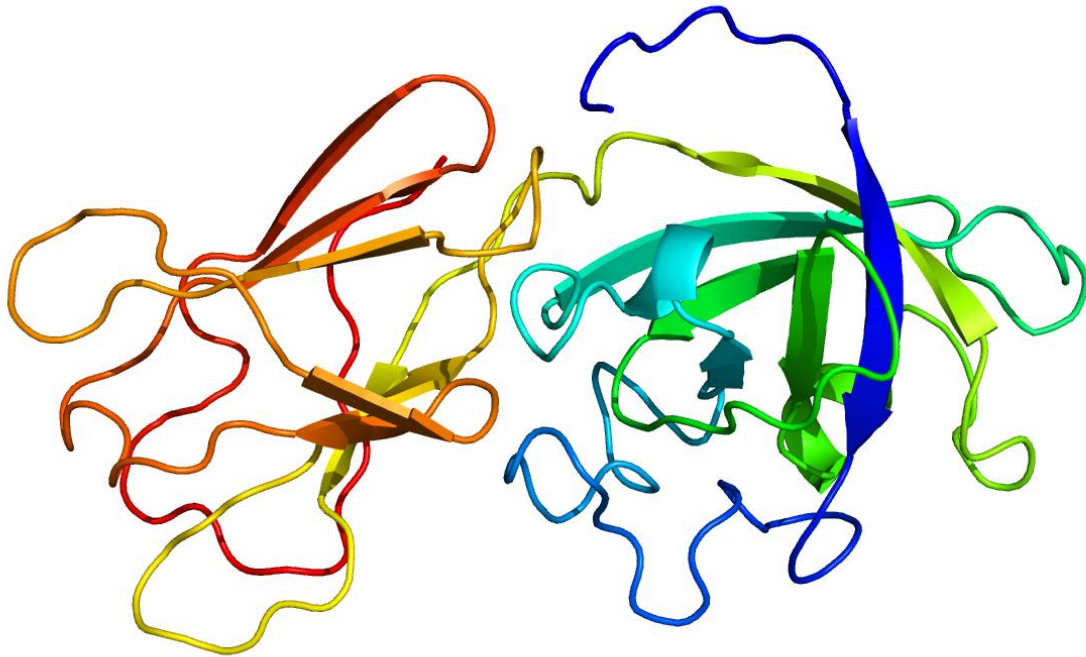
Locus: Zosma45g00530

Gene Model: Zosma45g00530.1

Description: ZmrEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

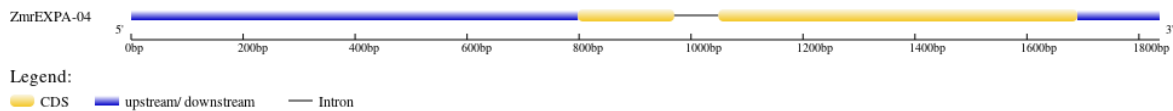
Phytozome: https://phytozome-next.jgi.doe.gov/info/Zmarina_v2_2

KEGG:-

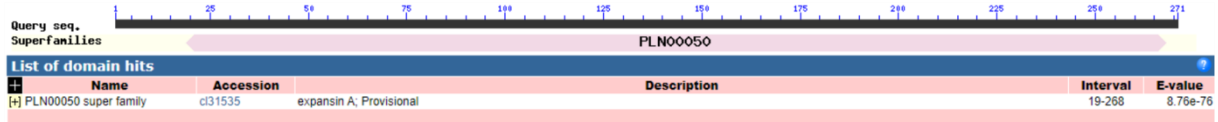
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ZmrEXPA-04

MTSLQVLCWGGETLSCFMLMLWLLTFQISALKTSALGEEWTIASATYIKAAEESAGN
GRGGGACGYGDTEKVGYGMAATTGVSSALFNKGSSCGGCFEVRCVDHILWCLQASPS
IIVTTTDFCPPNYGLAGDYGGWCNYPREHLEMSEFAFGKIAELEANIVPVQYRRVNCE
RKKDGIRFLVSGSSQFYQVLITNVGSDGQVVGKVKGSKTGWIPLGRNWGQNWQG
NLNLIGQSLSFEVTTRRGKRLTSYNVAPANWQFGQTFQGKQFQL*

CDS (coding sequence)

>ZmrEXPA-04

ATGACATCTCTTCAAGTTTTGTGCTGGGGAGGAGAAACCTCTCCTGTTTTATGCT
TATGTTATGGTTGTTAACTTTCCAGATTCAGCCCTAAAAACAAGTGCTTTGGGTG
AAGAATGGACCATTGCGTCTGCAACTTACATAAAAGCAGCAGAGGAGTCTGCCG
GTAATGGAAGGGGAGGAGGAGCATGTGGATATGGAGATACCGAGAAAGTGGGA
TATGGCATGGCTACAACCTGGTGTGAGTAGTGCCTGTTCAACAAAGGGAGTAGCT
GTGGAGGTTGCTTTGAGGTGAGATGTGTAGATCATATCCTGTGGTGTTTACAGGC
GAGTCCTTCGATCATCGTGACCACGACAGATTTCTGTCCTCCAACTATGGTCTAG
CTGGAGATTACGGTGGTTGGTGCAATTATCCAAGAGAGCATTGGAGATGTCCGA
GTTTGCTTTTGGTAAGATTGCAGAGTTAGAGGCTAATATTGTGCCTGTGCAGTAC
AGGAGAGTTAACTGTGAGAGGAAGAAGGATGGGATTCGATTCTTGGTGAGTGGA
AGTTCCCAGTTCTACCAGGTTCTGATTACAAATGTGGGTTCTGATGGACAGGTGG
TGGGTGTGAAAGTGAAGGGTTCGAAAACAGGATGGATTCCATTGGGAAGGAACT
GGGGACAGAATTGGCAAGGTAATCTTAATCTCATTGGTCAGTCACTCTCTTTTGA
AGTCACCACAAGGAGGGGAAAACGATTAACCTTATAATGTTGCGCCTGCAAAC
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Nucleotide

>ZmrEXPA-04

TTGCATGCTTATTTTCCGTTGAAAAATACGTTATTATGTTTTTTTTTTCACGGTATTT
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ACAAGTGCTTTGGGTGAAGAATGGACCATTGCGTCTGCAACTTACATAAAAAGCAG
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TTTTC