

IDENTIFICATION

Species: *Zostera marina*

Locus: Zosma91g00540

Gene Model: Zosma91g00540.1

Description: ZmrEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

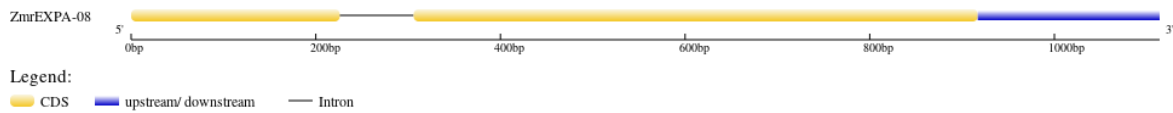
Phytozome: https://phytozome-next.jgi.doe.gov/info/Zmarina_v2_2

KEGG:-

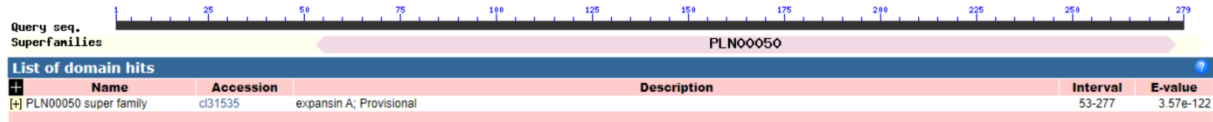
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ZmrEXPA-08

MALLRLLHFLTFALLFLFVSVSARGVGHHPRGVGHHRHRHHYRRRRHVAPRTGFGG
GWSSAHATFYGGGDASGTMGGACGYGNLYTQGYGTNTAALSTALFNGLSCGACY
QLRCVDDPKWCVSSSSSIIVTATNFCPPNSDGGWCNPPNHHFDLSQPVFLRIAQYRAG
IVPVSYRRVSCRKRGGIRFTINGHTYFNLVLVTNVGGAGDVHAVHVKGSRSGWQAM
SRNWGQNWQSNQNLNGQALSFMVTTSDGRTTVSSNVAPRGWSFGKTYSGAQFR*

CDS (coding sequence)

>ZmrEXPA-08

ATGGCTCTTCTTCGTCTTCTCCATTTTCTCACTTTCGCTTTACTTTTCCTCTTCGTCT
CCGTCTCTGCTCGGGGAGTCGGCCACCACCCTCGCGGCGTCGGTCATCACCGTCA
CCGTCACCATTACCGTCGTCGTCGACATGTTGCTCCTCGTACTGGTTTCGGCGGTG
GCTGGTCTTCCGCTCACGCCACTTTCTACGGCGGCGGTGATGCTTCCGGCACGAT
GGGTGGAGCGTGTGGGTATGGGAATCTTTACACGCAGGGGTACGGAACGAACAC
GGCGGCGTTGAGTACGGCTTTATTCAACAATGGACTGAGTTGCGGTGCATGTTAC
CAGCTCCGGTGCGTGGACGATCCGAAATGGTGCGTGTTCATCGTCGTCTTCCATCA
TAGTGACGGCGACGAATTTTGCCCGCCGAACAGCGACGGAGGATGGTGCAACC
CACCAACCACCATTTCGACCTCTCCAGCCGGTGTTCCTTCGCATTGCGCAGTAC
AGAGCCGGGATCGTCCCGTCTCTTACCGGAGAGTGTCTGTAGGAAGAGAGGC
GGGATCCGGTTTACCATCAACGGACACACTTATTTCAACCTGGTTTTAGTGACAA
ACGTTGGTGGCGCCGGTGACGTGCATGCTGTTACAGTCAAAGGTAGTCGGAGTGG
GTGGCAGGCGATGTCAAGGAACCTGGGGTCAGA ACTGGCAGAGCAATCAGAACCT
CAACGGTCAGGCTCTCTCCTTCATGGTCAACCACAGTGACGGCCGGACTACGGTG
TCGTCCAACGTCGCTCCACGTGGATGGAGCTTCGGGAAA ACTTACAGTGGGGCCC
AGTTTCGCTAA

Nucleotide

>ZmrEXPA-08

ATGGCTCTTCTTCGTCTTCTCCATTTTCTCACTTTCGCTTTACTTTTCCTCTTCGTCT
CCGTCTCTGCTCGGGGAGTCGGCCACCACCCTCGCGGCGTCGGTCATCACCGTCA
CCGTCACCATTACCGTCGTCGTCGACATGTTGCTCCTCGTACTGGTTTCGGCGGTG
GCTGGTCTTCCGCTCACGCCACTTTCTACGGCGGCGGTGATGCTTCCGGCACGAT

GGGTATTATTTTTGTTTAGTGTTTAACGATGTGGGGTATGTATGATATGAACTTGT
GGCGGTGGTTGTGGTGGTTTGTGTAGGTGGAGCGTGTGGGTATGGGAATCTTTAC
ACGCAGGGGTACGGAACGAACACGGCGGCGTTGAGTACGGCTTTATTCAACAAT
GGACTGAGTTGCGGTGCATGTTACCAGCTCCGGTGCGTGGACGATCCGAAATGGT
GCGTGTCATCGTCGTCTTCCATCATAGTGACGGCGACGAATTTTTGCCCGCCGAA
CAGCGACGGAGGATGGTGCAACCCACCCAACCACCATTTTCGACCTCTCCCAGCCG
GTGTTCTTCGCATTGCGCAGTACAGAGCCGGGATCGTCCCCGTCTCTTACCGGA
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TCACGTCAAAGGTAGTCGGAGTGGGTGGCAGGCGATGTCAAGGAACTGGGGTCA
GAACTGGCAGAGCAATCAGAACCTCAACGGTCAGGCTCTCTCCTTCATGGTCACC
ACCAGTGACGGCCGGACTACGGTGTTCGTCACGTCGCTCCACGTGGATGGAGCT
TCGGGAAAACCTTACAGTGGGGCCCAGTTTCGCTAAACTAGTGGAGTTGAAGGGGT
GTCAGAAGGATTACGGAGAACATGGGTTTTGTTTTTTAATTCACCCATTGTTGGAG
GAGGTGGTGGGAAAACGTCCAAAACGGTTCACCACCCGCCATTGTTTTAGTTAGA
TCTCTTTTTTTTTTTTTGTAATGAGAATGTAATCTTTCCGTTGATTCTCATTTAAA
AACGTTATTT