

IDENTIFICATION

Species: *Zostera marina*

Locus: Zosma267g00290

Gene Model: Zosma267g00290.1

Description: ZmrEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

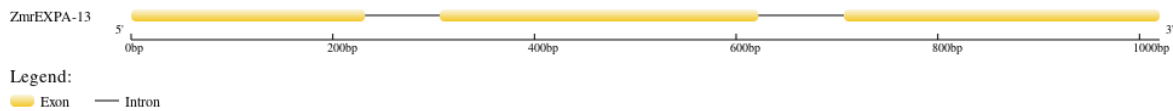
Phytozome: https://phytozome-next.jgi.doe.gov/info/Zmarina_v2_2

KEGG:-

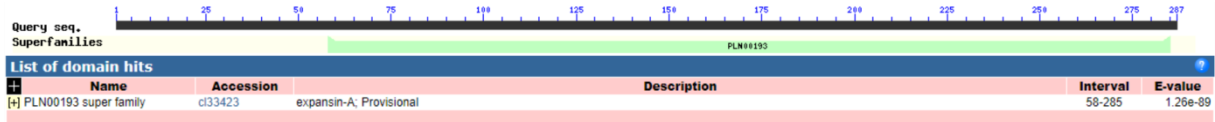
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ZmrEXPA-13

MKILLILFFGCFLSAASGAGGGGGGGGGGGGGYGYIYGGSYGSSSDSEGGGGAKGLS
SNWLSAHATFYGDESAASTMGGACGFGNLHSNGYGTDTAALSETLFKKGSSCGQCF
SIKCVESPHCSSRSPVITITSTNLCPPNWAQDSNDGGWCNPPRKHFDSLKPAFMKLAD
WKAGIIPINYKRVPCRKQGGIRFMFQGN DYWLLVFVINVGGSGDVSSMSVKGSGTD
WIPMSHNWGASYQAFGTLGGEALSFKVTTYTTRETMTVFNNVAPSDWSTDLYEADS
NFH*

CDS (coding sequence)

>ZmrEXPA-13

ATGAAGATTCTTCTGATCTTATTCTTCGGATGCTTTCTCTCAGCTGCCTCCGGAGC
CGGTGGGGGAGGCGGTGGCGGAGGTGGGGGAGGCGGCGGATATGGATATATATA
TGGAGGGTTCGTATGGAAGTAGTAGTGATAGTGAAGGAGGAGGAGGTGCGAAGGG
TTTGTCTAGCAACTGGCCTTCTGCACATGCAACTTTCTACGGCGACGAATCGGCG
GCGTCAACCATGGGTGGCGCGTGTGGTTTTGGGAACCTTGCACAGTAATGGATATG
GAACAGACACGGCGGCGCTCAGCGAGACTTTGTTCAAGAAGGGCTCATCGTGTG
GGCAATGCTTTTCGATAAAATGCGTAGAATCTCCACATTGTAGTTCCAGATCTCC
GGTGATAACCATCACATCTACAAACCTCTGCCACCCAACCTGGGCACAGGACAGC
AACGACGGAGGCTGGTGCAATCCTCCCCGGAACACTTTGACCTCTCCAAACCTG
CGTTCATGAAACTCGCCGATTGGAAGGCCGGCATAATCCCTATCAACTATAAACG
GGTTCCTGCCGGAAGCAAGGAGGAATCAGATTCATGTTCCAAGGGAACGATTA
CTGGTTGTTGGTGTTCGTGATTAACGTCGGAGGGAGTGGAGACGTGTTCGAGCATG
TCTGTAAAGGCTCCGGCACCGATTGGATACCCATGAGCCATAACTGGGGAGCAT
CTTACCAGGCGTTTGGAACGTTGGGTGGAGAAGCTTTGTCGTTCAAAGTCACCAC
CTACACGACGAGAGACGATGGTGTTCACAATGTTGCGCCGTTCGGATTGGAG
CACCGATCTAACTTACGAAGCCGACTCTAATTTCCATTGA

Nucleotide

>ZmrEXPA-13

ATGAAGATTCTTCTGATCTTATTCTTCGGATGCTTTCTCTCAGCTGCCTCCGGAGC
CGGTGGGGGAGGCGGTGGCGGAGGTGGGGGAGGCGGCGGATATGGATATATATA
TGGAGGGTTCGTATGGAAGTAGTAGTGATAGTGAAGGAGGAGGAGGTGCGAAGGG

TTTGTCTAGCAACTGGCTTTCTGCACATGCAACTTTCTACGGCGACGAATCGGCG
GCGTCAACCATGGGTATGTACGTACGTACGTTGAGCTGTCCGTGACCATATGATT
TTCTGATCATTGAATGTCTAATTTGAATTCAGGTGGCGCGTGTGGTTTTGGGAACT
TGCACAGTAATGGATATGGAACAGACACGGCGGGCGCTCAGCGAGACTTTGTTCA
AGAAGGGCTCATCGTGTGGGCAATGCTTTTCGATAAAAATGCGTAGAATCTCCACA
TTGTAGTTCCAGATCTCCGGTGATAACCATCACATCTACAAACCTCTGCCCACCCA
ACTGGGCACAGGACAGCAACGACGGAGGCTGGTGCAATCCTCCCCGGAAACACT
TTGACCTCTCCAAACCTGCGTTCATGAAACTCGCCGATTGGAAGGCCGGCATAAT
CCCTATCAACTATAAACGGTAAATCTCGATATATTATCTCACACTCCTATAGCTAG
TCATATATACGTACGTATTTATCGAATAGATGGATGAATTTACGTAGGGTTCCCTG
CCGGAAGCAAGGAGGAATCAGATTCATGTTCCAAGGGAACGATTACTGGTTGTTG
GTGTTTCGTGATTAACGTCCGAGGGAGTGGAGACGTGTTCGAGCATGTCTGTAAAG
GCTCCGGCACCGATTGGATACCCATGAGCCATAACTGGGGAGCATCTTACCAGGC
GTTTGGAACGTTGGGTGGAGAAGCTTTGTCGTTCAAAGTCACCACCTACACGACG
AGAGAGACGATGGTGTTCACAATGTTGCGCCGTCCGATTGGAGCACCGATCTAA
CTTACGAAGCCGACTCTAATTTCCATTGA