

IDENTIFICATION

Species: *Zostera marina*

Locus: Zosma1g02200

Gene Model: Zosma1g02200.1

Description: ZmrEXLA-01

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

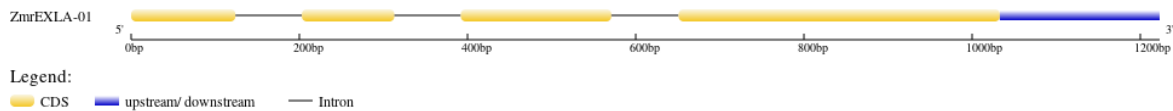
Phytozome: https://phytozome-next.jgi.doe.gov/info/Zmarina_v2_2

KEGG:-

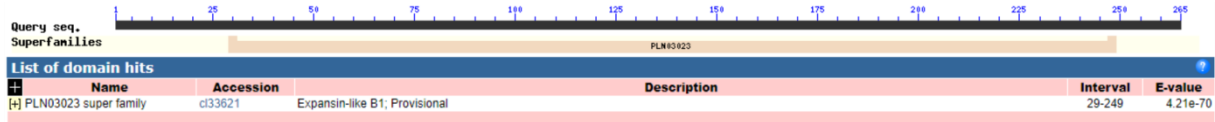
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ZmrEXLA-01

MMKWIGVFLSFLVLGISTASGCDRCVHHSKAA YFGSPSAHSVGACGYGSLAMTFNG
GYLAAGTSNLFNRNGVGC GACFQIRCKNTAICSSTGVKIVVVDLNASNKTDIFILAKKAF
SAMANKGMGRQVLDLGI V DIEYKQIPCEYKNHNLSLRIEENS DRSNNYLAIKFLYQG
GQTDISSVDVARLGTSDWKYLLRDYGA VWSTS QAPTGPLQFRMVVTGGYDGKWV
WANKEVLPADSKNGVVYDSGVQITDIAQQNCYPCNNSAW*

CDS (coding sequence)

>ZmrEXLA-01

ATGATGAAATGGATTGGTGTTCCTTTTCATTTTTGGTTCTCGGAATCTCAACTGC
ATCGGGGTGTGATAGATGCGTTCACCACTCCAAAGCTGCCTATTTGGATCTCCAT
CTGCACACTCAGTTGGAGCATGTGGGTACGGCTCACTGGCTATGACCTTCAACGG
TGGATACCTTGCAGCGGGA ACTTCTAACTTGTT CAGAAATGGTGTGGATGCGGT
GCCTGTTTT CAGATACGATGCAAGAACACTGCCATTTGCAGCAGCACAGGAGTCA
AGATTGTTGTCGTCGATTTAAACGCCAGCAATAAACTGACTTCATTCTTGCCAA
AAAGGCTTTCTCTGCCATGGCCAACAAAGGAATGGGCCGACAAGTCTTGGATCTT
GGCATAGTCGACATCGAATACAAACAAATCCCATGCGAGTACAAGAATCACAAT
CTCTCCCTCAGAATCGAGGAGAACAGCGATAGATCCAACA ACTACCTAGCAATCA
AGTTTCTATACCAAGGTGGCCAGACTGATATATCGTCGGTGGACGTTGCGCGACT
AGGTACGTCGGATTGGAAGTATTTGCTGAGAGACTACGGTGCAGTTTGGAGTACA
AGCCAGGCTCCGACTGGACCGTTGCAGTCCGGATGGTGGTCACTGGAGGATACG
ATGGAAAATGGGTATGGGCCAATAAGGAAGTGTTGCCGGCTGATTCGAAAAATG
GCGTGGTGTATGATTCTGGTGTGCAGATCACTGATATTGCTCAGCAAAATTGCTA
CCCGTGTAATAATTCTGCATGGTAG

Nucleotide

>ZmrEXLA-01

ATGATGAAATGGATTGGTGTTCCTTTTCATTTTTGGTTCTCGGAATCTCAACTGC
ATCGGGGTGTGATAGATGCGTTCACCACTCCAAAGCTGCCTATTTGGATCTCCAT
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CTGACTGTGTTAATTTATTGAAATTGGTCTGTAGTTGGAGCATGTGGGTACGGCTC
ACTGGCTATGACCTTCAACGGTGGATACCTTGCAGCGGGA ACTTCTAACTTGTTT

AGAAATGGTGTGGATGCGGTGCCTGTTTTTCAGGTAAAACTAGAAAGGTGATGA
AATCAATTTTGTGTGTTTTGTTTTGTTTTGATTCCACGACAGCGTACTGTGTGCA
GATACGATGCAAGAACAACACTGCCATTTGCAGCAGCACAGGAGTCAAGATTGTTGTC
GTCGATTTAAACGCCAGCAATAAAAAGTACTTCATTCTTGCCAAAAAGGCTTTCT
CTGCCATGGCCAACAAAGGAATGGGCCGACAAGTCTTGGATCTTGGCATAGTCGA
CATCGAATACAAACAGTATTTTCATTTGTTAATCAATGCTATTAAGTGTCAATCGAT
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AGAATCACAATCTCTCCCTCAGAATCGAGGAGAACAGCGATAGATCCAACAACACT
ACCTAGCAATCAAGTTTCTATACCAAGGTGGCCAGACTGATATATCGTCGGTGGGA
CGTTGCGCGACTAGGTACGTCGGATTGGAAGTATTTGCTGAGAGACTACGGTGCA
GTTTGGAGTACAAGCCAGGCTCCGACTGGACCGTTGCAGTTCCGGATGGTGGTCA
CTGGAGGATACGATGGAAAATGGGTATGGGCCAATAAGGAAGTGTTGCCGGCTG
ATTCGAAAAATGGCGTGGTGTATGATTCTGGTGTGCAGATCACTGATATTGCTCA
GCAAAATTGCTACCCGTGTAATAATTCTGCATGGTAGTAGCATAGACATAACTGG
AAAATTTAATACTCCTCTTTTGAAGCATCCAAAATCAATTTAATAACCACAGCT
CCAAAACCTTCGGCATTTCGTCAAACATTTACATCAGTTACTACATGTACAATTT
TCCTTCTGTAAAACGCAGGGGTGTAACAAAATTTGAGCATATACCAGGGAAGTT
GCTAAA