

IDENTIFICATION

Species: *Zostera marina*

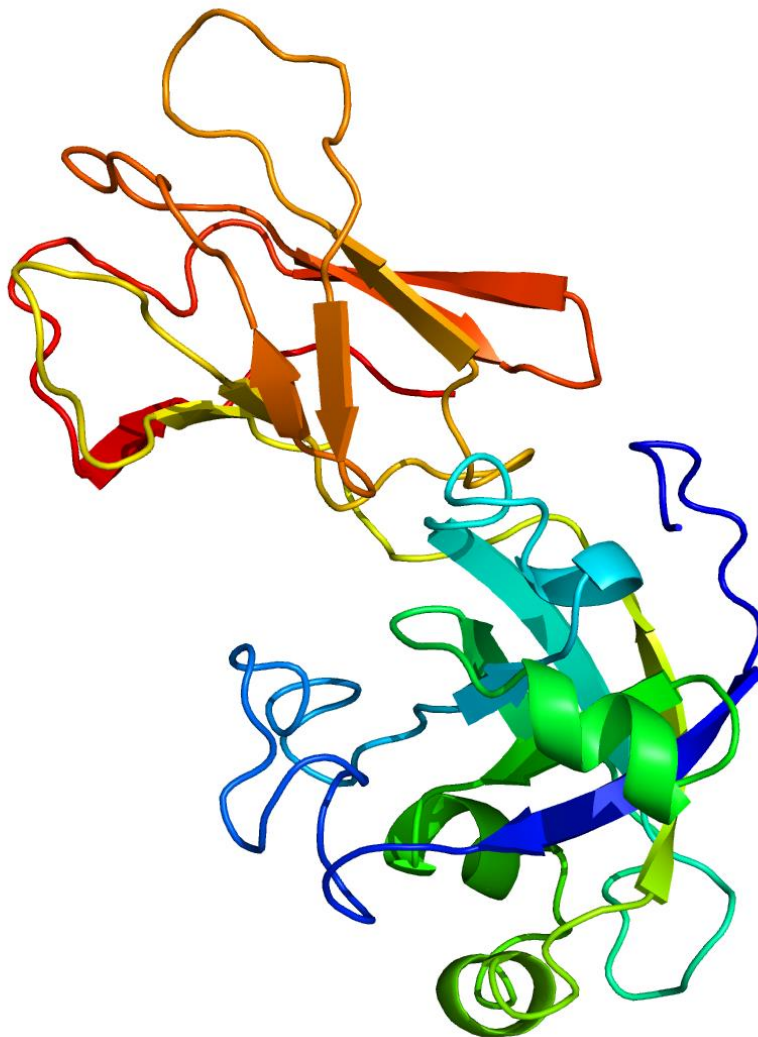
Locus: Zosma3g00730

Gene Model: Zosma3g00730.1

Description: ZmrEXPB-01

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

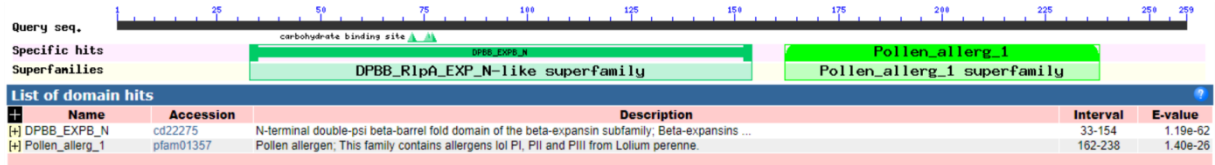
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ZmrEXPB-01

MYRNNIVGIFFFLFRYLASNSFAHLVVKDPTWHHATATWYGSPHGDGSDACGYGS
LVDVRPFRARVGA VSDVLFKNGEGCGACYKVRCLDRHICSRRAATVIVTDECPGGY
CAFGRRHFDLSGA AFGHMAVRGRGNSLRNRGELPIIFRRTPCVYRGKNIAFHVNEGS
TDFWLSLLVEFENG DGDIGSMHIKQSTSRNWQKMKHVWGATWCIVGGPLKGPFSVK
LTSLSKHTLSARQVIPMNWSPKATYTA KLNFS*

CDS (coding sequence)

>ZmrEXPB-01

ATGTATTATCGTAATAACATCGTCGGCATTTCCTTCTTCCTCTTCCGTTATTTAGCT
TCAAATAGCTTTGCCACCTGGTCGTA AAGACCCAACATGGCATCACGCAACCG
CTACATGGTACGGCTCTCCCCACGGCGACGGAAGTGACGCGTGTGGGTACGGGTC
ACTGGTGGATGTGAGACCCTTCAGAGCACGGGTTGGCGCGGTGAGTGATGTTCTA
TTCAAGAATGGTGAGGGTTGCGGTGCTTGTTACAAGGTAAGGTGTCTTGACAGAC
ACATCTGTTCAAGAAGAGCCGCCACCGTGATTGTCACCGACGAGTGTCCCGGTGG
GTACTGCGCGTTCGGTCCGAGACATTTTCGATCTGAGTGGGGCTGCTTTTGGACAT
ATGGCTGTCCGTGGACGTGGA AACTCGCTTCGTAATCGTGGAGAGTTACCTATCA
TTTTCCGACGA ACTCCGTGTGTGTACCGAGGGAAGAACATTGCGTTCACGTC AA
TGAAGGCTCGACTGACTTCTGGCTCTCTACTGGTCGAATTCGAAAATGGCGAT
GGAGATATCGGTTCCATGCATATCAAACAATCGACGTCGAGGAATTGGCAGAAG
ATGAAGCATGTGTGGGGAGCGACTTGGTGCATCGTCGGAGGACCGTTGAAAGGG
CCGTTTTCTGTAAAATTAACATCTCTATCTTCGAAGCATA CGCTCTCAGCAAGACA
AGTTATTCCGATGAACTGGTCTCCTAAAGCCACCTACACAGCAAACTTAACTTC
TCTTGA

Nucleotide

>ZmrEXPB-01

ATGTATTATCGTAATAACATCGTCGGCATTTCCTTCTTCCTCTTCCGTTATTTAGCT
TCAAATAGCTTTGCCACCTGGTCGTA AAGACCCAACATGGCATCACGCAACCG
CTACATGGTACGGCTCTCCCCACGGCGACGGAAGTGACGGTGTGAGCTTTTCCGATA

TTCCTCAATTCTAGTTAATTAACCAACCGGAATGCCAAGTCAGCAAAGACAACC
CGCACATGTTCTGACGTGAATGCCCATGTGATCCGATGATGACAGATTGACTGTC
TCTATTTTCTAGCCGTTGATATATAATTGAATTAATTTTCGATATCGGATTGTCGGG
TACAAGTGGAGCGTGTGGGTACGGGTCACTGGTGGATGTGAGACCCTTCAGAGC
ACGGGTTGGCGCGGTGAGTGATGTTCTATTCAAGAATGGTGAGGGTTGCGGTGCT
TGTTACAAGGTAAGGTGTCTTGACAGACACATCTGTTCAAGAAGAGCCGCCACCG
TGATTGTCACCGACGAGTGTCCTCGGTGGGTACTGCGCGTTCGGTCGGAGACATTT
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AAGTACGTTAAATGAACTTCGATTAGGCTTTCGTTTCGTTTATTGACGATGATTGA
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AAGCATGTGTGGGGAGCGACTTGGTGCATCGTCGGAGGACCGTTGAAAGGGCCG
TTTTCTGTAAAATTAACATCTCTATCTTCGAAGCATAACGCTCTCAGCAAGACAAGT
TATCCGATGAACTGGTCTCCTAAAGCCACCTACACAGCAAACTTAACTTCTCTT
GA