

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin04G118800

Gene Model: Misin04G118800.1.p

Description: McsEXPB-37

Family: Beta Expansin

3D structure:



GENOME DATABASES

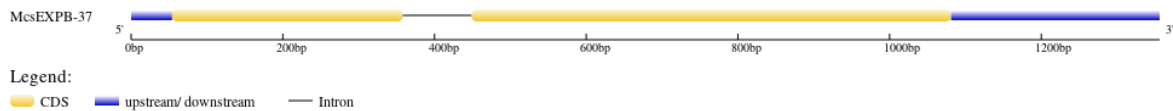
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

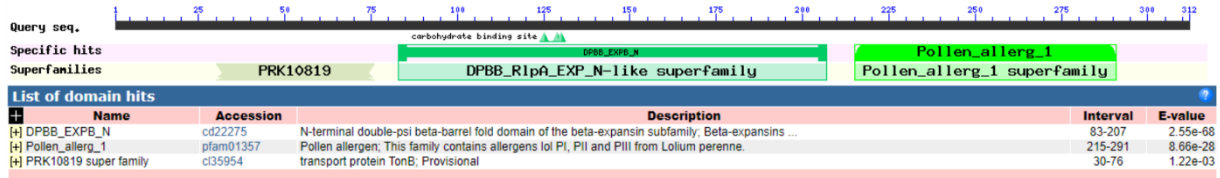
EXTERNAL RESOURCES

<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-37

MAKLCTLLLA AVVVL SLLV SPIACTRKL NKP KPKPASHRRPVTAPKPKPKPVSYKPAP
VAAKPPRSNHTAT TTPSPIVYAGGWLSGAGATYYGATNGDGS DGGACGYQTAVGK
KPFDSMIAAGSMPLYRGGEGCGACYEVKCTTNAACSGQPVTIVITDQSPGDLFPGEV
EHFDMSTAMGAMARPGMEDKLRAGGVLRIQYRRVPC KYPGVNVAFKVDQGANPF
YFDVLI EFEDDDGDLNAVDLMEAGSSVWTPMAHNWGATWRLNNGRKL NAPFGLRL
TSDSGRVLVANNAIPAAWKAGKTYRSLVNYP*

CDS (coding sequence)

>McsEXPB-37

ATGGCGAAGCTTTGCACTTTGCTGTTGGCCGCAGTGGTGGTCCTCTCACTCCTAGT
GAGCCCCATTGCCTGCACCCGAAAGCTCAACAAGCCCAAGCCAAAGCCGGCCAG
CCACAGGCGGCCGGTGACTGCGCCCAAGCCAAAGCCAAAACCGGTCAGCTACAA
GCCGGCGCCTGTGGCGGCCAAGCCTCCCCGCAGCAACCACACCGCTACAACCAC
GCCATCGCCGATTGTCTACGCCGGTGGCTGGCTGTCGGGCGCCGGCGCCACGTAC
TACGGCGCGACCAACGGCGACGGGAGCGACGGCGGGCGCGTGC GGCTACCAGACG
GCCGTTCGAAAGAAGCCGTTCTGACTCGATGATCGCCGCCGGGAGCATGCCACTGT
ACAGGGGTGGCGAGGGCTGCGGCGCCTGCTACGAGGTGAAATGCACGACCAACG
CCGCGTGCTCCGGCCAGCCCGTGACCATCGTAATCACCGACCAATCCCCTGGCGA
CCTGTTCCCCGGCGAGGTTGAGCACTTTGACATGAGCGGCACCGCCATGGGCGCC
ATGGCGCGGCCCGGCATGGAGGACAAGCTCCGCGCTGGCGGGCGTGCTCAGGATC
CAGTACAGGAGGGTGCCGTGCAAGTACCCCGGCGTGAACGTTCGCGTTTAAGGTG
GACCAGGGCGCTAACCCGTTCTACTTCGACGTGCTGATCGAGTTCGAGGACGACG
ACGGCGACCTCAACGCCGTGACCTGATGGAAGCTGGCAGCAGCGTCTGGACGC
CCATGGCGCACA ACTGGGGCGCGACGTGGCGCCTCAATAACGGCAGGAAGCTCA
ATGCGCCGTTCCGACTCCGGCTCACCTCTGACTCCGGCAGGGTGCTCGTCCGCAA
CAACGCCATCCC GGCCGCGTGGAAGGCCGGCAAGACCTACCGTTCCTTGGTCAAC
TACCCCTGA

Nucleotide

>McsEXPB-37

CGAGCATACTAGCTCCTCTGAAAGCTGTGAAATCCGAGCTTAAAAAGAGCAGCA
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GAGCCCCATTGCCTGCACCCGAAAGCTCAACAAGCCCAAGCCAAAGCCGGCCAG
CCACAGGCGGCCGGTGACTGCGCCCAAGCCAAAGCCAAAACCGGTCAGCTACAA
GCCGGCGCCTGTGGCGGCCAAGCCTCCCCGCAGCAACCACACCGCTACAACCAC
GCCATCGCCGATTGTCTACGCCGGTGGCTGGCTGTCGGGCGCCGGCGCCACGTAC
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CCGTGACCATCGTAATCACCGACCAATCCCCTGGCGACCTGTTCCCCGGCGAGGT
TGAGCACTTTGACATGAGCGGCACCGCCATGGGCGCCATGGCGCGGCCCGGCAT
GGAGGACAAGCTCCGCGCTGGCGGCGTGCTCAGGATCCAGTACAGGAGGGTGCC
GTGCAAGTACCCCGGCGTGAACGTCGCGTTTAAGGTGGACCAGGGCGCTAACCC
GTTCTACTTCGACGTGCTGATCGAGTTCGAGGACGACGACGGCGACCTCAACGCC
GTCGACCTGATGGAAGCTGGCAGCAGCGTCTGGACGCCCATGGCGCACAACTGG
GGCGCGACGTGGCGCCTCAATAACGGCAGGAAGCTCAATGCGCCGTTCCGGACTC
CGGCTCACCTCTGACTCCGGCAGGGTGCTCGTCGCCAACAACGCCATCCCCGGCCG
CGTGGAAGGCCGGCAAGACCTACCGTTCCTTGGTCAACTACCCCTGAAAAGAGG
AATCCCGACAAGTGGATGGCGGGTAATGACGTAATGTGCGTCCGGGTGTTGCGA
GAGGCGGTGGTGTACTGGTGTCAACAAGTCAGAAGAGGAAGAGGAGGTTGAAGAA
GAGAATAGCGTTCTTCCCTCCCTGGATGGTCTCCGCGCAGTCCCCTAGTGATGTGT
GATTGTGTGAGTCAAATCATGCCTGTAATATGATTCTTCATCTTGATTTGAGTTT
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