

IDENTIFICATION

Species: *Miscanthus sinensis*

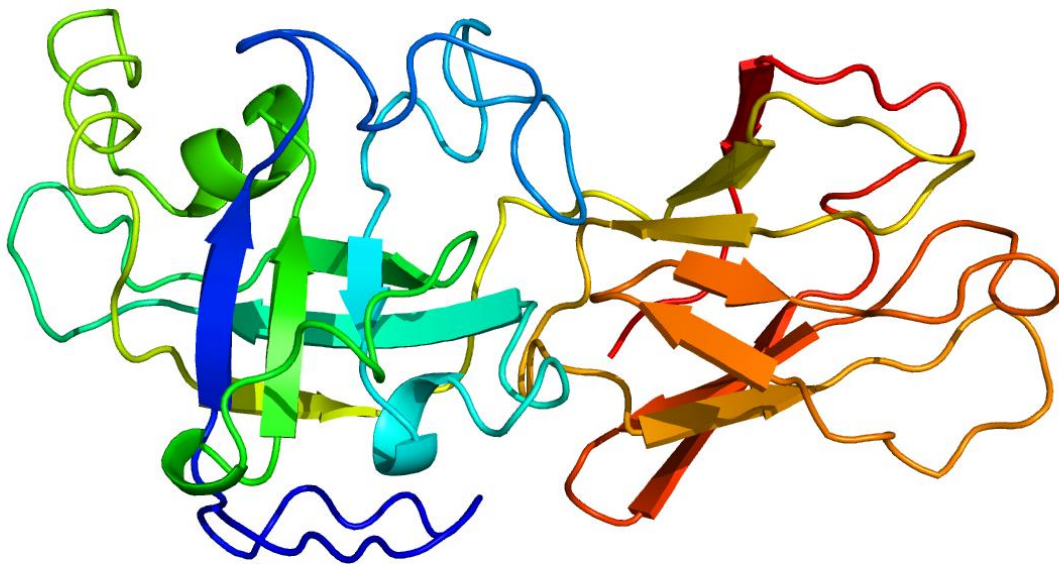
Locus: Misin04G118700

Gene Model: Misin04G118700.1.p

Description: McsEXPB-36

Family: Beta Expansin

3D structure:



GENOME DATABASES

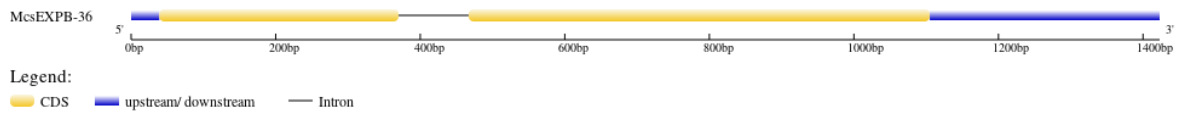
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

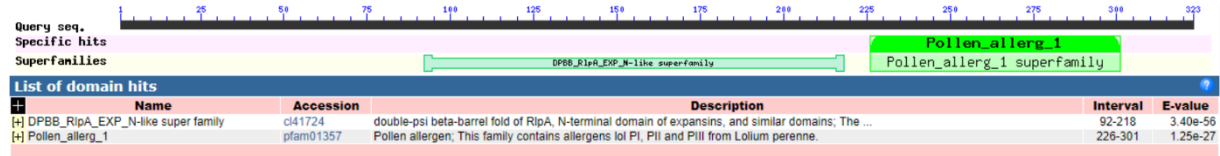
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-36

MAAKLCTLLLATVVLVLSLLVSPACSSRKLSPKPKTKPISHRQAPAARAVHKLAAAP
 AVKGSHPATAAKSHTNHTATPSSPSTVYGSGLWLSGAGATYYGAPNGDGGEGGA
 CGYQTAVGKQPFDSMIAAGSAPLYRGGEGCGACYEVKCTSNAACSGKPVTVVITDL
 SPGGLFPGEV AHFDMSTAMGAMAKAGPGMADKVRAGGVVRIQYRRVPCKYPGV
 NVAFKVDQGANPFYFNVLIEFEDDDGDLSAVDLMEAGSSAWTPMAHNWGATWRLN
 NGRRLRAPFGLRLTSDSGRVLVASNAIPAAWTPGKTYRSLVNYP*

CDS (coding sequence)

>McsEXPB-36

ATGGCGGCGAAGCTATGCACATTACTGCTGGCTACAGTAGTCGTGCTCTCACTTC
 TAGTGAGCCCCATTGCTTGCAGCAGCCGCAAGCTCAGCAAGCCCAAGCCCAAGA
 CAAAGCCGATCAGCCACAGGCAGGCGCCTGCAGCCAGAGCCGTCCACAAGCTGG
 CGGCGGCGCCTGCTGTCAAAGGTAGCCACAAGCCGGCCACTGCAGCCAAGTCCC
 ACACCAACCACACCGCTACCCCTTCGTCGCCCTCCACCGTCTATGGCTCCGGCGG
 CTGGCTGTCCGGCGCCGGTGCCACGTAACGCGCCCTAACGGCGACGGCGGT
 GAAGGCGGCGCGTGCAGGTTACCAGACTGCCGTCCGGAAGCAGCCGTTCCGACTCG
 ATGATCGCCCGGGAGCGCGCCGCTGTACAGGGGAGGTGAGGGCTGCGGCGCC
 TGCTACGAGGTGAAATGCACGAGCAACGCGGCCTGCTCGGGCAAGCCGGTGACC
 GTCGTCATCACCGACCTGTCCCCGGGCGGGCTGTTCCCCGGCGAGGTCGCCACT
 TCGACATGAGCGGCACGGCCATGGGCGCCATGGCGAAGGCCGGGCCCGGCATGG
 CCGACAAGGTCCGCGCCGGCGGCGTTCGTGAGGATCCAGTACAGGAGGGTGCCGT
 GCAAGTACCCCGGCGTGAACGTCGCGTTCAAGGTGGACCAGGGCGCCAACCCGT
 TCTACTTCAACGTGCTCATCGAGTTCGAGGACGACGACGGCGACCTCAGCGCCGT
 CGACCTGATGGAGGCCGGCAGCAGCGCGTGGACGCCATGGCGCACAACTGGGG
 CGCCACGTGGCGACTCAACAACGGCAGGAGGCTCAGGGCGCCGTTCCGGGCTCCG
 GCTCACCTCCGACTCCGGCAGGGTGCTCGTCGCCAGCAACGCCATCCCGGCAGCG
 TGGACGCCCGGCAAGACGTACCGTTCCTTGGTCAACTACCCCTGA

Nucleotide

>McsEXPB-36

AGCTCAGCAGATCTCTTATCTAGCTAGCTCAGCAGAACAATGGCGGGCGAAGCTAT
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AGGCAGGCGCCTGCAGCCAGAGCCGTCCACAAGCTGGCGGGCGGCCTGCTGTC
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TGAAATCAATTAATTGTGAATACTTACAGGGCGGCGCGTGCGGGTACCAGACTGCC
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AGGGGAGGTGAGGGCTGCGGGCGCCTGCTACGAGGTGAAATGCACGAGCAACGCG
GCCTGCTCGGGCAAGCCGGTGACCGTCGTCATCACCGACCTGTCCCCGGGCGGGC
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GATCCAGTACAGGAGGGTGCCGTGCAAGTACCCCGGCGTGAACGTCGCGTTCAA
GGTGGACCAGGGCGCCAACCCGTTCTACTTCAACGTGCTCATCGAGTTCGAGGAC
GACGACGGCGACCTCAGCGCCGTCGACCTGATGGAGGCCGGCAGCAGCGCGTGG
ACGCCCATGGCGCACAACCTGGGGCGCCACGTGGCGACTCAACAACGGCAGGAGG
CTCAGGGCGCCGTTTCGGGCTCCGGCTCACCTCCGACTCCGGCAGGGTGCTCGTCG
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CCTAGTGATGTGTGAATGCTGGTGCTGTAACCTGAAATTTTATTCCTTCCCTTGTGG
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GCTGCGCGACTAATGTTGCGCGCCAATGCATCAAGTTAAGTTTTGAATTTGTATA
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