

IDENTIFICATION

Species: *Miscanthus sinensis*

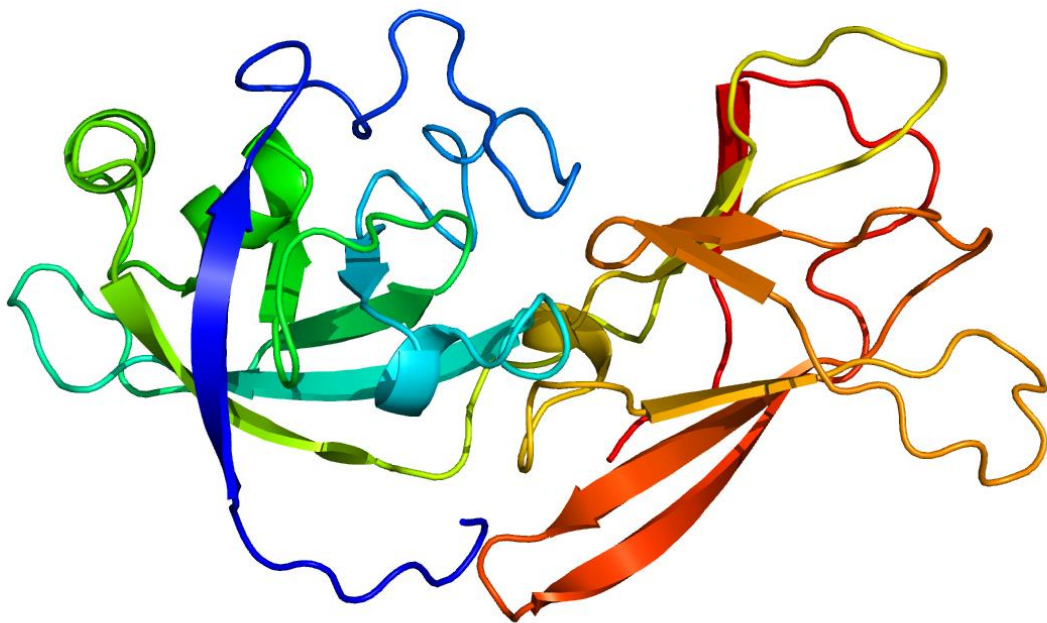
Locus: Misin04G282500

Gene Model: Misin04G282500.1.p

Description: McsEXLA-05

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

KEGG:-

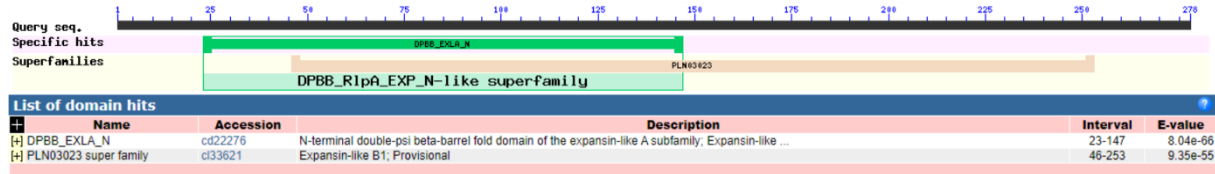
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXLA-05

MDVLLCCFCVLLLLASAASAASERCVRQGKAAYSPSLSPVPHHGSSGACGYGAMAA
 EINGGFLAAGGPRQHRGGLGCGRCFQMRCRDAKLCSSGGVRVLTDFHRSNRTDFL
 LAGPAFAALAKPGMAQELNRLDALSVEYKRIPCEYKEKNLSIRVEEASDKTRGNLTV
 KLLYQGGQTDVLAVDVAPVGSSEWRFMTRVYGPVWSTPRAPAGPLQFRAVVTGG
 YDGKWWADQEVLPADWRPGQVYDTGVRIADVARDGCRGCAATAAGAAMDW
 K*

CDS (coding sequence)

>McsEXLA-05

ATGGACGTCCTCCTCTGCTGCTTCTGCGTGCTGCTGCTCCTGGCCTCCGCCGCGTC
 CGCCGCCAGCGAGCGGTGCGTTCGGCAGGGGAAGGCGGCCTACTCGCCCTCGCTC
 TCCCCGGTCCCTCATCACGGTAGCAGCGGAGCGTGCGGGTACGGCGCCATGGCCG
 CCGAGATCAATGGGGGCTTCCTCGCCGCCGGCGGGCCGAGGCAGCACCGCGGTG
 GGCTTGGCTGCGGCCGCTGCTTCCAGATGAGATGCCGAGACGCAAAGCTGTGCAG
 CTCCGGCGGAGTGCGGGTGGTGTCCACGACTTCCACAGGAGCAACCGCACCGA
 CTTCCTGCTCGCCGGGCCCGCCTTCGCGGCCCTGGCCAAGCCCGGGATGGCCAG
 GAGCTCAACAGGCTAGATGCCCTCTCCGTAGAGTACAAAAGGATTCCATGCGAGT
 ACAAGGAGAAGAACCTGTCGATCCGGGTGGAAGAAGCGAGCGACAAGACGCGG
 GGCAACCTGGTGGTGAAGCTGCTGTACCAGGGCGGCCAGACCGACGTCCTGGCG
 GTAGACGTGGCCCCCGTGGGGTCGTCGGCGGAGTGGCGGTTTCATGACGCGCGTGT
 ACGGGCCCGTGTGGAGCACGCCGCGGGCCCCCGCCGGGCCGCTGCAGTTCGGG
 CGGTGGTCACGGGCGGATACGACGGCAAGTGGGTGTGGGCGGACCAGGAGGTGC
 TCCCGGCGGACTGGCGGCCGGGACAGGTCTATGACACTGGCGTCCGCATCGCCGA
 CGTCGCCAGGGACGGATGCCGGGGATGCGCTGCCACCGCCGCCGGCGCCGCGAT
 GGACGACTGGAAGTGA

Nucleotide

>McsEXLA-05

GCTCACATAGAAAAGCCAATAAAAAGGCCCCCGACAGGCCTAAAAGCAAAAAC
CCTCGCACTGGCACATGGCGTGCCTCACGGGGCGGGATGGTCAGGAGCAGGCAC
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TCGTTCTTG