

IDENTIFICATION

Species: *Manihot esculenta*

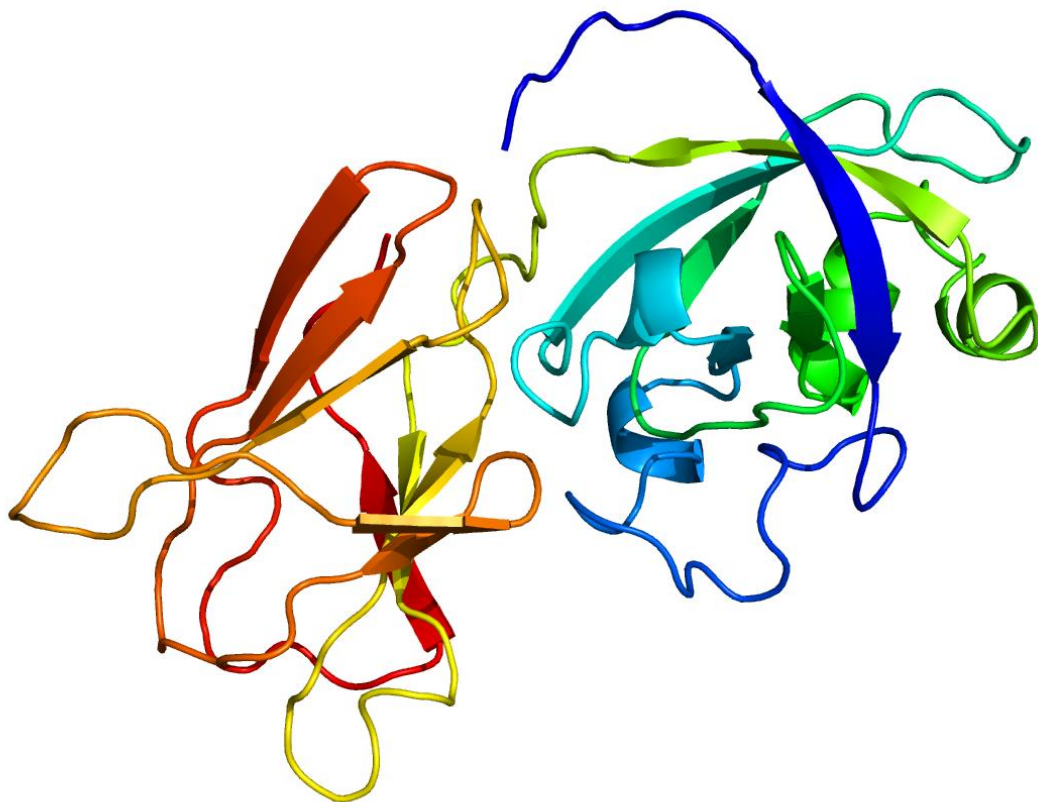
Locus: Manes.01G087800

Gene Model: Manes.01G087800.1

Description: MsEXLB-01

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mesculenta_v7_1

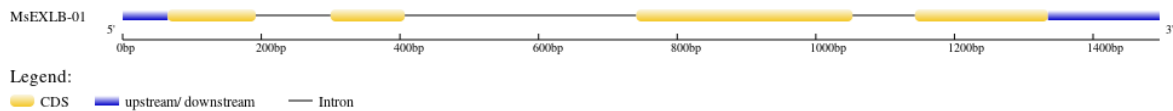
KEGG: <https://www.genome.jp/entry/T05761>

EXTERNAL RESOURCES

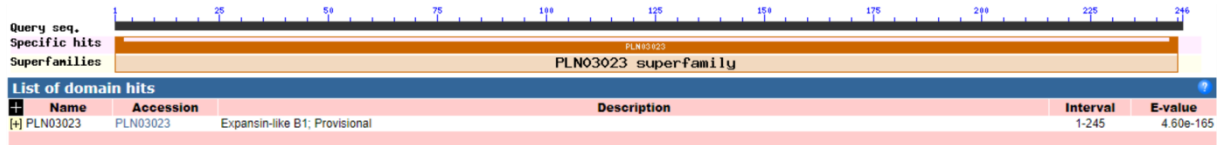
<https://cassavagenome.org/>

<https://cassavabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MsEXLB-01

MGSKYGYCLVCLMVFLPAMCYSQDFTYSRATYYGSPDCLGTPTGACGFGEYGRKV
NDANVAGVSKLYKNGTGCACGYQVRCKAPELCSDEGVNVVVTDYGEDNTDFILS
TRAYTRLARPNMASELLAYGVVNVVEYRRISCRYAGYNILFKIHEYSRYPDYLAIVIMY
QGGQNDIVALEIWKEDSKWVAMRRAFGAVFDMANPPKGRLTLRFKVSAGQTWAE
ARNVIPNDWKAGVAYDSTIQLT*

CDS (coding sequence)

>MsEXLB-01

ATGGGGTCTAAATATGGCTACTGCCTTGTGGTTTGGTTGATGGTGTCTTCTGCCTGCAAT
GTGTTACTCCCAAGATTTACATACTCTAGGGCAACTTATTATGGTAGCCCTGATT
GCTTAGGGACACCAACTGGAGCTTGTGGGTTTGGAGAATATGGAAGGAAGGTCA
ATGATGCTAATGTAGCTGGAGTTTCCAAGCTCTACAAGAATGGCACTGGCTGTGG
CGCTTGCTACCAGGTTAGGTGCAAAGCACCAGAGCTTTGCAGTGACGAGGGAGT
GAACGTAGTGGTGACGGACTACGGCGAAGGAGACAATACTGATTTTATTCTCAGC
ACACGAGCTTATACAAGACTTGCACGTCCAAACATGGCCTCAGAATTATTAGCAT
ATGGTGTGTC AACGTAGAATACCGGAGGATTTCTTGTCCGGTACGCCGGTTACAA
CATCTTGTTCAAAATCCATGAGTATAGCAGATATCCTGACTACTTGGCCATTGTCA
TCATGTATCAAGGAGGCCAAAATGATATTGTAGCCCTAGAAATATGGAAGGAGG
ATTCCAAGGAATGGGTAGCCATGAGAAGGGCCTTTGGAGCAGTGTTTCGACATGG
CGAACCCACCAAAGGGTCGGCTAACATTGAGGTTCAAAGTGAGTGCAGGGCAGA
CATGGGCAGAGGCAAGAAATGTGATCCCAAATGATTGGAAAGCTGGGGTTGCAT
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Nucleotide

>MsEXLB-01

ATCTCATAACCTTTTCTTCTTATTCTTCATAGCTTAATTTGCTGCTGCTTCCCTT
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CAATTGTTGATTTTAAAAAATTTTATATCAAATTCATGATGCTAATTTATTGAAA
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AACATCTTGTTCAAATCCATGAGTATAGCAGATATCCTGACTACTTGGCCATTGT
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ACGTTTATCCGATATTCAAATTCTAGACTTCACAGTTATAAAAATAATTAATGGG
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CCATGAGAAGGGCCTTTGGAGCAGTGTTTCGACATGGCGAACCCACCAAAGGGTC
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CACCTAAATTTTGGTGTGAGCTTGTTTTAGTAAGAGCGTTGGTTGTTTCTCATTAG
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GTACTTTTTTATTAATTTCTGATATGAATGAATCAGCGTACTTATCATACTTGTGC