

IDENTIFICATION

Species: *Arabidopsis thaliana*

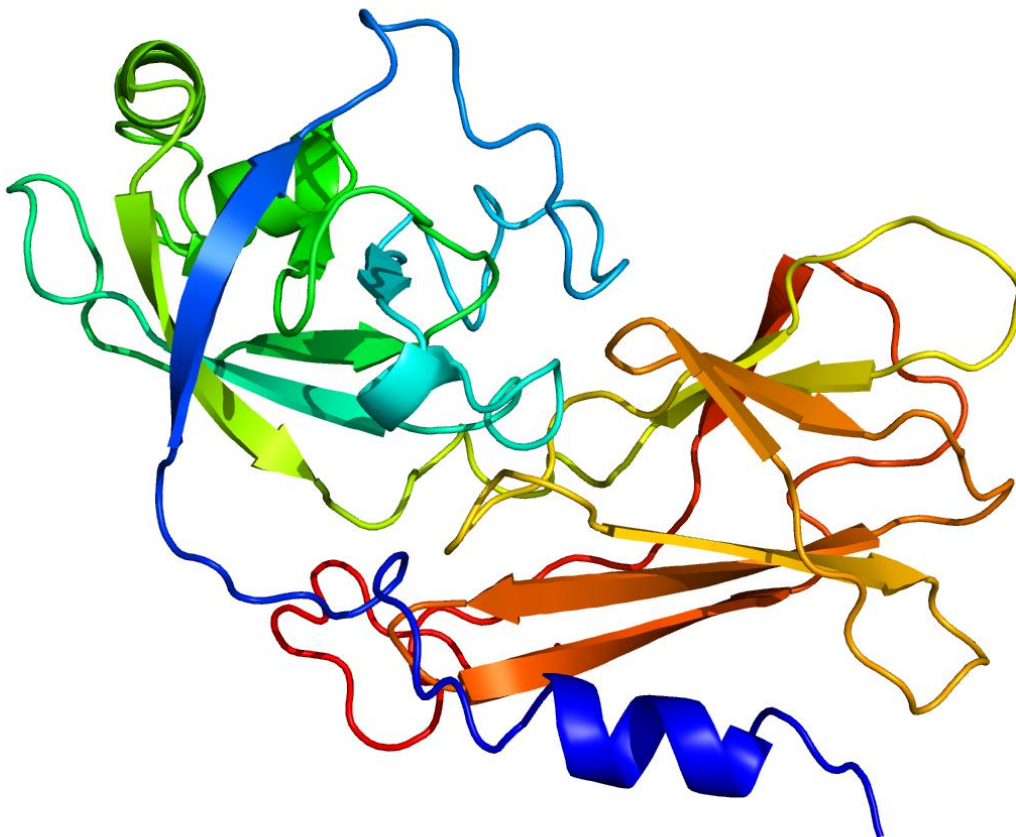
Locus: AT4G38400

Gene Model: AT4G38400.1

Description: AtEXLA-05

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

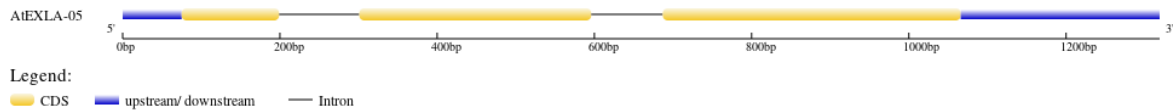
TAIR: <https://www.arabidopsis.org/>

KEGG: <https://www.genome.jp/entry/T00041>

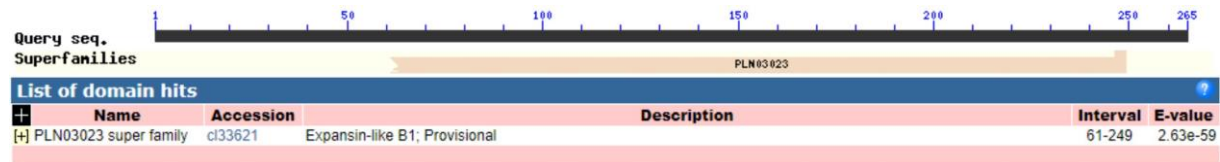
EXTERNAL RESOURCES

<https://www.gabipd.org/database/cgi-bin/GreenCards.pl.cgi?Mode=Show&QueryKey=197c0ef939ecd1d29302d8a4a92c1bc3&x.Overview=1&Start=1>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtEXLA-05

MLQGFLFLLSVVLLFSSSAACDRCLHSSKAAYFSSASALSSGACAYGSMATGFFAG
HIAAALPSIYKDGSGCGACFQVRCKNPTLCSSKGTTVIVTDLNKTNTDLVLSSRAFR
AMAKPVVGADRDLKQGIVDIEYRRVPCDYGNKKNMNRVEESSKNPNYLAIKLLYQ
GGQTEVVAIYIAQVGS SHWSYMTRSHGAVVWVTDKVPNGALQFRFVVVTAGYDGKMV
WSQRVLPANWEAGKSYDAGVQITDIAQEGCDPCDDHIWN

CDS (coding sequence)

>AtEXLA-05

ATGCTGCAAGGCTTTCTCTTCCTCCTCCTCAGTCGTA CTCTCTTCTCCTCATCTGCA
GCCGCCTGCGACCGATGTCTTCACAGTTCTAAGGCAGCTTATTTCTCCTCTGCATC
TGCTCTCTCCTCTGGAGCTTGTGCATATGGCTCTATGGCTACCGGTTTCTTCGCCG
GACACATTGCTGCGGCTCTGCCTTCCATCTACAAAGACGGCTCCGGCTGCGGAGC
TTGCTTCCAGGTCAGATGCAAGAACCCGACGCTTTGCAGCAGCAAAGGAACCCAC
GGTGATTGTCACAGACTTGAACAAGACCAACCAAACCGATCTTGTCCTTAGCAGC
AGAGCCTTTAGGGCCATGGCTAAGCCTGTTGTTGGCGCCGACAGAGATCTTCTCA
AACAAGGCATTGTCGATATTGAATACAGGAGAGTTCCTTGCGATTACGGTAACAA
GAAGATGAACGTGAGAGTTGAAGAATCAAGCAAAAATCCAACTACTTGGCGAT
AAAGCTCTTGTACCAAGGAGGCCAACTGAAGTGGTAGCCATTTACATTGCTCAG
GTTGGTTCGTCACATTGGAGTTACATGACCAGAAGCCACGGAGCCGTGTGGGTTA
CTGACAAAGTACCCAACGGAGCTCTGCAGTTCAGGTTTCGTGGTGACCGCAGGCTA
CGACGGCAAATGGTCTGGTCGCAGAGGGTCTTCCAGCTAACTGGGAAGCTGG
AAAGTCCTATGACGCCGGCGTTCAGATCACAGACATTGCTCAGGAAGGTTGTGAT
CCATGCGACGATCACATCTGGA ACTGA

Nucleotide

>AtEXLA-05

CTCTATTCATCGCATCCCCACACACCTCATTAACATTATAAATTGTTTTTTTAGTTA
TTCTTCAATTTCAAGAAAATGCTGCAAGGCTTTCTCTTCCTCCTCTCAGTCGTA
CCTCTTCTCCTCATCTGCAGCCGCCTGCGACCGATGTCTTCACAGTTCTAAGGCAG
CTTATTTCTCCTCTGCATCTGCTCTCTCCTGTGAGCTTTCCATCTCCTCTCATTACT
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GGGTTTTTAAATTTAGCTGGAGCTTGTGCATATGGCTCTATGGCTACCGGTTTCTT
CGCCGGACACATTGCTGCGGCTCTGCCTTCCATCTACAAAGACGGCTCCGGCTGC
GGAGCTTGCTTCCAGGTCAGATGCAAGAACCCGACGCTTTGCAGCAGCAAAGGA
ACCACGGTGATTGTCACAGACTTGAACAAGACCAACCAACCGATCTTGTCTTA
GCAGCAGAGCCTTTAGGGCCATGGCTAAGCCTGTTGTTGGCGCCGACAGAGATCT
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TTGAATATTGAAACAGAGTTCCTTGCATTACGGTAACAAGAAGATGAACGTGAG
AGTTGAAGAATCAAGCAAAAATCCAACTACTTGGCGATAAAGCTCTTGTACCAA
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GGAGTTACATGACCAGAAGCCACGGAGCCGTGTGGGTTACTGACAAAGTACCCA
ACGGAGCTCTGCAGTTCAGGTTTCGTGGTGACCGCAGGCTACGACGGCAAAATGGT
CTGGTCGCAGAGGGTCTTCCAGCTAACTGGGAAGCTGGAAAGTCCTATGACGCC
GGCGTTCAGATCACAGACATTGCTCAGGAAGGTTGTGATCCATGCGACGATCACA
TCTGGAAGTCTCTCTGCTTTCTTCTAATGTGTAAGTAACAGACTTGTATAT
TAGATGAGAGGAAGAATCAACGGGAATGCATAATCTGACGATTTTATAAGAATG
AATGAAACAAAACAAGAGAGAGCTAAGAAGAAGAAAAGGATTGTATATGTAT
GTACAAAAGGTCTATATATGTACACCATTATTCTTTTCTATCTGTAACCTTGCAG
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