

IDENTIFICATION

Species: *Arabidopsis thaliana*

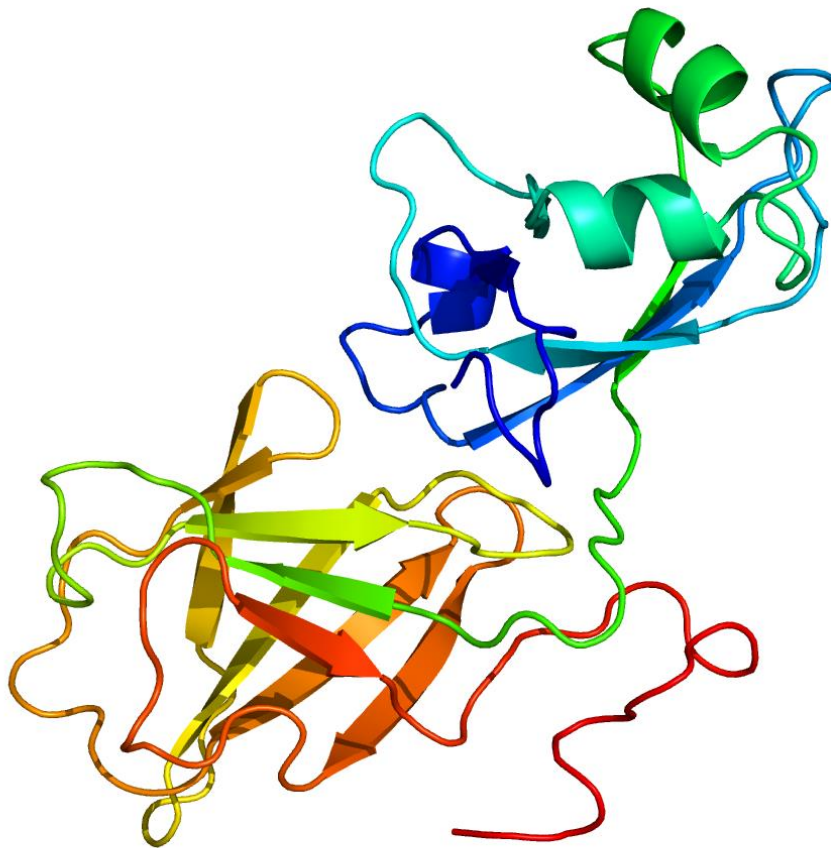
Locus: AT3G45960

Gene Model: AT3G45960.1

Description: AtEXLA-01

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

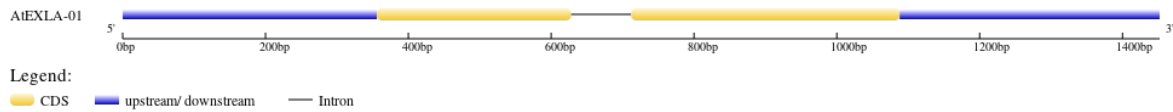
TAIR: <https://www.arabidopsis.org/>

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

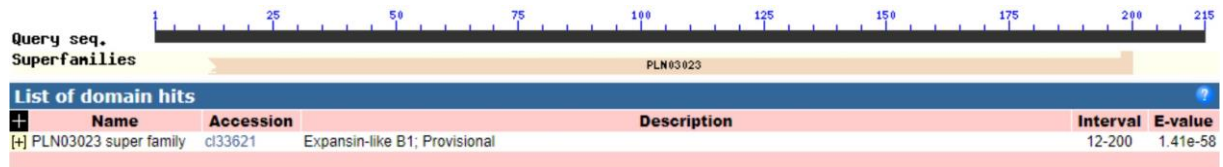
EXTERNAL RESOURCES

<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-01

MATSSFFAGHIAAAIPSIYKDGAGCGACFQVRCKNPKLCNSKGTIVMVTDLNTSNQTD
LVLSSRAFRAMAKPVVGVVDKYLKQGIVDVEYQRVPCNYGKRNLNVRVEEASKKP
NYLAIKLLYQGGQTEVVGIDIAPVGSSQWSYMSRSHGAVWATDKVPTGALQFKFTV
TGGYDGKTVWSKRVL PANWNSGRIYDAGVQITDIAQEGCDTCGHIWN

CDS (coding sequence)

>AtEXLA-01

ATGGCTACGAGCTTCTTTGCCGGCCACATTGCGGGCCGCTATACCTTCCATTTACAA
AGATGGTGCTGGCTGTGGAGCTTGCTTTCAAGTCAGATGCAAGAACCCCAAGTTG
TGTAACAGTAAAGGAACCATTGTGATGGTCACAGACTTGAACACGAGCAACCAA
ACTGATCTTGTCTTAGTAGTAGAGCTTTTAGGGCTATGGCTAAGCCTGTTGTTGG
TGTTGACAAATACCTTCTCAAACAAGGCATCGTCGACGTTGAATACCAAAGAGTT
CCTTGCAATTACGGTAAAAGGAATTTGAACGTGAGAGTGGAAGAAGCAAGCAAA
AAGCCAAATTACTTGGCGATAAAGCTATTGTACCAAGGAGGTCAAACCGAAGTG
GTAGGTATCGACATTGCTCCAGTAGGTTCTGTCACAATGGAGTTACATGAGTAGAA
GCCACGGAGCCGTTTGGGCGACCGATAAAGTACCAACGGGAGCTCTACAGTTCA
AGTTCACGGTGACAGGCGGCTACGATGGCAAACGGTTTGGTCAAAGAGGGTTC
TTCCGGCGAATTGGAACCTCTGGGAGGATTTATGATGCCGGCGTTCAGATCACCGA
CATTGCTCAAGAAGGTTGTGATACATGCGGTCACATATGGAACCTGA

Nucleotide

>AtEXLA-01

TCATCATTCATCATACTATATTATATAATCCATTCTTTGTCCTCTTCTCTTTACA
TGTA AATTACATATCTCTCTAATTTGCTCACTAGATATTATTTCTTTCTCTTGAA
AAGTCCAAAAATGAGAAGCTTTCTCTACCTCATCGTAGTCATCTTCTCTTCTCTT

CATCCGTTAACGCTTGTGATCGATGTCTACACCGTTCTAAAGCATCTTATTTCTCC
TCTGCTTCTGCTCTCTCTTGTAAACATTCCCATCTTCTTCTAACTACTTCCGTTTAA
CTACTAGTTTGTTCCTTTTTCTCATGTCTTGTATGGGTATTTCTAGCCGGGC
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AAGAACCCCAAGTTGTGTAACAGTAAAGGAACCATTGTGATGGTCACAGACTTG
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TGAATACCAAAGGTTTCGATGCTTGAAACACTTGACTTATTGGTTTTTTTATAGTCA
CTTGATGTACTAATAAGAAGGTTTGGGAAATGAAAAACAGAGTTCCTTGCAATTA
CGGTAAAAGGAATTTGAACGTGAGAGTGGAAGAAGCAAGCAAAAAGCCAAATTA
CTTGGCGATAAAGCTATTGTACCAAGGAGGTCAAACCGAAGTGGTAGGTATCGA
CATTGCTCCAGTAGGTTTCGTCACAATGGAGTTACATGAGTAGAAGCCACGGAGCC
GTTTGGGCGACCGATAAAGTACCAACGGGAGCTCTACAGTTCAAGTTCACGGTGA
CAGGCGGCTACGATGGCAAACGGTTTGGTCAAAGAGGGTTCTTCCGGCGAATTG
GAACTCTGGGAGGATTTATGATGCCGGCGTTCAGATCACCGACATTGCTCAAGAA
GGTTGTGATACATGCGGTCACATATGGAACCTGACTCATTACAATTCTCCTTATTTA
GGCAAACAACAACAACACCCTTTATAGGATATATACATGTATGTGTAACAGA
GTTCAATTATTAATGAGTTGAAGAATTCACAACAGGAGTGGCTTATATAATCTGG
ATTAAACAAAAGAACTAGAGAGTAAAGGTCATGCTAAAAGCTAGAGTCCATGTC
ACCAAAAAAAAAACAAGAAAAACAATAATGTCACTTATCATTGCAAGCAAGAATC
CGACAAGAAAAAAAAACATATCTTAGAGATGTCTAACAATTGGAAAACAATAA
TGTATGGAAAGGTTTAAGATAGGTCAAAGAAGAACTGTTGTGTCTTTATATAAA
TTAGTAAGGAAACAT