

IDENTIFICATION

Species: *Phaseolus vulgaris*

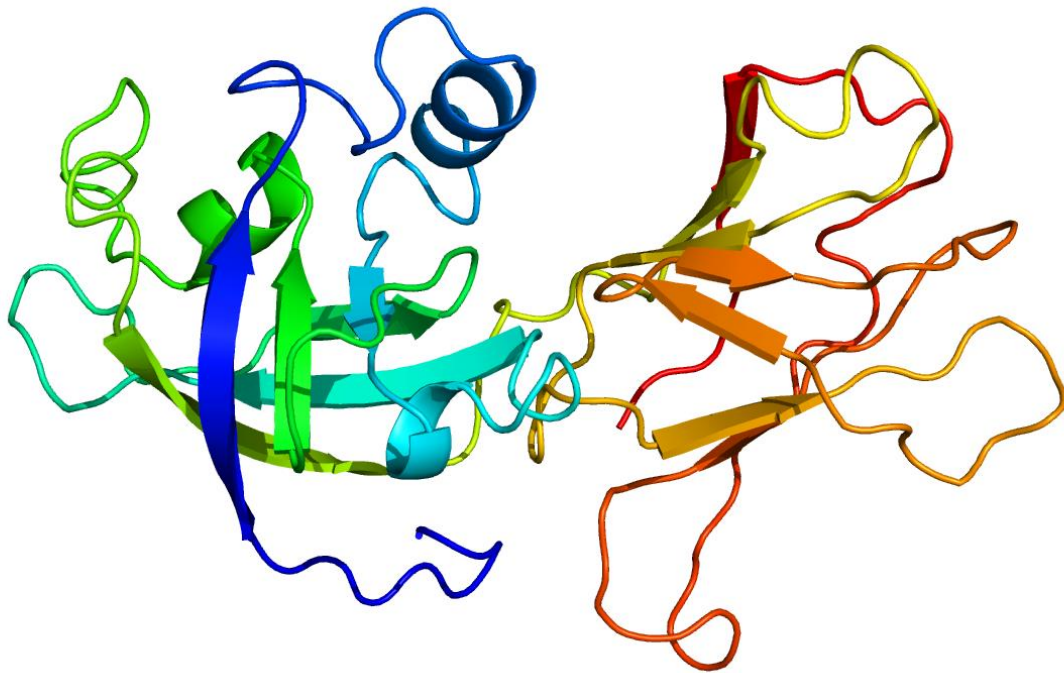
Locus: Phvul.002G004100

Gene Model: Phvul.002G004100.1.p

Description: PvEXLB-02

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

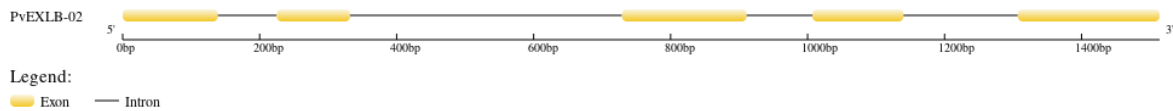
Phytozome: https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1

KEGG: <https://www.genome.jp/entry/gn:T03093>

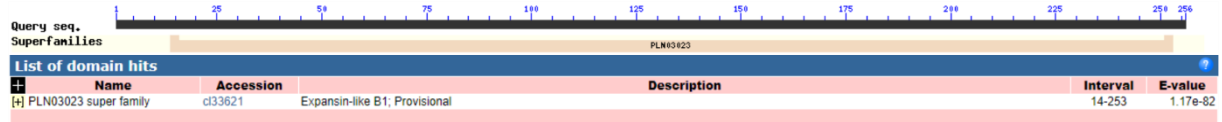
EXTERNAL RESOURCES

<https://www.pulsedb.org/organism/636>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXLB-02

MALYLFYTFVLVTTLIFMQTLADTSCDTCFIHSRAAYYPNSEEHGTDVGCAGFGSFGAT
VNGGDVSAASSLYRSGVGCACGYQVRCTNSVYCSNNGVTA VITDQGSSDNTDFILSK
HAFSRMAQTDAASLLALGVVDIEYRRVSCSYDPKNITIKIDESSNNPYLAFVIWY
QQGRRDITAVQLCETQNFVCKLLDRSHGAVWTATSPPSGPLSLRMLFSDEEEEEETW
VVPANNIPGDWKAGETYDSGVQVNQ*

CDS (coding sequence)

>PvEXLB-02

ATGGCGCTTTATCTTTTCTATACTTTTCTTGTTACCACCTTGATTTTCATGCAA
CTGGCTGATACTTCATGCACCGATTGTTTCATTCATTCTCGAGCAGCATATTATCC
AAATTCTGAAGAACACGGAACAGATGTAGGTGCATGCGGGTTTGGTTCCTTTGGT
GCTACGGTCAATGGCGGGGATGTATCAGCTGCATCTTCTTTACCGAAGTGGTG
TTGGTTGTGGCGCCTGTTACCAGGTGAGGTGTACCAACAGCGTCTATTGCTCAA
CAATGGTGTGACTGCAGTTATAACTGACCAAGGTTCAAGTGACAACACAGATTT
ATTCTTAGCAAACATGCCTTTAGCCGGATGGCTCAAACCACTGATGCAGCTGCTT
CTCTACTAGCCCTTGGCGTGGTTGATATTGAATATAGACGTGTTTCATGCAGCTAC
CCAGATAAAAATATAACAATCAAGATAGACGAGAGCAGCAACAACCCTTACTAT
TTGGCTTTTGTGATTTGGTATCAACAAGGAAGGAGAGACATAACTGCTGTGCAGC
TCTGTGAGACTCAAACTTTGTGTGCAAGTTACTGGATCGGAGCCATGGAGCTGT
GTGGACTGCTACCTCTCCACCAAGTGGACCTTTGTCTTTAAGAATGTTGTTTAGTG
ATGAAGAAGAGGAAGAAGAACTTGGGTTGTTCCAGCAAATAACATACCTGGAG
ACTGGAAGGCTGGAGAAACATACGATTCAGGGGTACAAGTGAACCAATAG

Nucleotide

>PvEXLB-02

ATGGCGCTTTATCTTTTCTATACTTTTCTTGTTACCACCTTGATTTTCATGCAA
CTGGCTGATACTTCATGCACCGATTGTTTCATTCATTCTCGAGCAGCATATTATCC
AAATTCTGAAGAACACGGAACAGATGGTATGTATGAAGTGAAACTGATGTGACA
ATATTGAAAAAGAAAATAAAAGTGTATATCATATGTTCTTGTAAATTCATTG
CAGTAGGTGCATGCGGGTTTGGTTCCTTTGGTGCTACGGTCAATGGCGGGGATGT
ATCAGCTGCATCTTCTTTACCGAAGTGGTGTGGTTGTGGCGCCTGTTACCAGG

TGAGTTACCATTAAAAAATGTGTCTACTCAAGCTAGAAGTTATGATTTCTAGCCCT
TAAACTTGTAAGCATGATAGTTTTTCACAAGAGAAAAAGCAGTGATTCAACCTCC
CTAATCATGCTCCACATTGAATATTA AAAAGAATAATTCACTCTTTAAATATAATT
CCTACAAATCTTCTCAAGGCTTAACCACTAAATGATGGTTCTGGCTCAGGAACTA
TATATTTAGTTGGTACAATAATAAGCCTGATAAATCTGACAAATTTTTTTGTCTCT
GAAATTGTGTTGCTGCTATTTCTAATTGATGTGAAATCTACACCAGATTACACATT
TAAACATAATTATTTGGTAAGGCATGAAGAGTGAAACTGATATGTTGGTGAATAA
TGAACAGGTGAGGTGTACCAACAGCGTCTATTGCTCAAACAATGGTGTGACTGCA
GTTATAACTGACCAAGGTTCAAGTGACAACACAGATTTTCATTCTTAGCAAACATG
CCTTTAGCCGGATGGCTCAAACCACTGATGCAGCTGCTTCTCTACTAGCCCTTGGC
GTGGTTGATATTGAATATAGACGGTAACATCAGCACTACA ACTCTCACCATACAT
AATCCATTGCTTCAATATTTTTCTACTTTAACTGGGTATTCTATATCTTTCTCTGTC
TCTCTAGTGTTCATGCAGCTACCCAGATAAAAATATAACAATCAAGATAGACGA
GAGCAGCAACAACCCTTACTATTTGGCTTTTGTGATTTGGTATCAACAAGGAAGG
AGAGACATAACTGCTGTGCAGCTCTGTGAGGTACTATCTATCTTCCAATGGACTC
CTATTGTGAATTTTGATATGAATACTAGTTTTTCTTCAGACAATTTCCATTAGTAG
GTAAAAAATGTGAATACTGAAGATAATTACTAATCAGTGAAGAGAAATTCATATT
TTCTACTAAATCACAATCATACCTGGTGCAGACTCAA AACTTTGTGTGCAAGTTA
CTGGATCGGAGCCATGGAGCTGTGTGGACTGCTACCTCTCCACCAAGTGGACCTT
TGTCTTTAAGAATGTTGTTTAGTGATGAAGAAGAGGAAGAAGAACTTGGGTTGT
TCCAGCAAATAACATACCTGGAGACTGGAAGGCTGGAGAAACATACGATTCAGG
GGTACAAGTGAACCAATAG