

IDENTIFICATION

Species: *Phaseolus vulgaris*

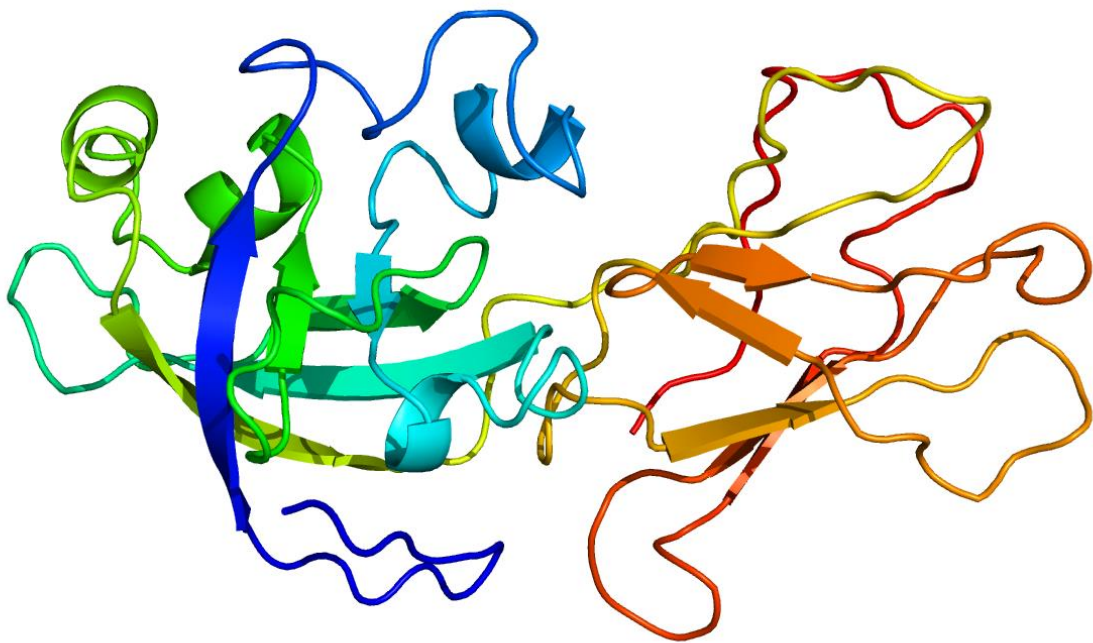
Locus: Phvul.010G071000

Gene Model: Phvul.010G071000.1.p

Description: PvEXPB-04

Family: Beta Expansin

3D structure:



GENOME DATABASES

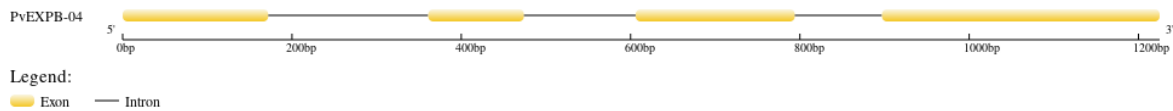
Phytozome: https://phytozome-next.jgi.doe.gov/info/Pvulgaris_v2_1

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

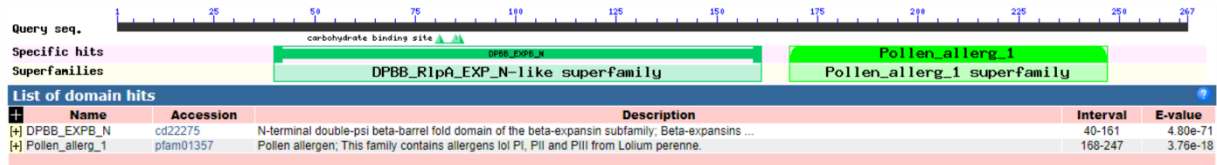
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PvEXPB-04

MQVFSYISFVVIVYSLLLNPSHGLNLKLFNSSKIENDDEWKVAAATWYGEPDGAGSD
GGACGYVESVEKPPLSKMISAGGSSLYQGGRGCGACYQVKCTENTACSGNAVSVMI
TDECPGCFGLSVHFDLSGTAFGSMATPDKADNLRNVGQLQLLYKRVACSFNGSITFTI
DNGANPFYFATEIEYENGDDLDVIELKQANSDTWLPQRSWGSRWALNLGSMMP
PPFSIKLTEDGKNQRRITIVADSVIPSGWKPGQVYRSVVNF*

CDS (coding sequence)

>PvEXPB-04

ATGCAAGTTTTAGTTACATTTCTTTTGTGTAATAGTTTACTCCCTGCTCCTAAAC
CCTAGCCATGGTCTCAATCTCAAATTATTTAATTCTTCCAAAATTGAAAACGATGA
TGAATGGAAAGTAGCAGCAGCTACATGGTACGGGGAACCAGATGGTGCTGGATC
TGATGGGGGTGCTTGTGGATATGTTGAGAGTGTGGAGAAACCTCCACTCTCTAAA
ATGATCTCAGCTGGAGGTTCTTCTCTTTATCAAGGTGGCAGAGGATGTGGAGCTT
GTTATCAGGTGAAATGCACAGAAAACACAGCTTGTTCAGGAAATGCAGTGAGTG
TGATGATAACTGATGAATGCCCTGGCTGTTTCTTAGGATCAGTCCATTTGATCTG
AGTGGCACTGCATTTGGTTCCATGGCAACTCCAGACAAAGCAGATAATCTTCGTA
ATGTTGGACAACCTCAAATTCTCTACAAAAGGGTTGCATGCTCCTTTGGGAACTC
AATAACCTTTACCATCGACAATGGGGCCAACCCATTCTATTTTGCAACTGAAATA
GAATATGAAAATGGGGATGGTGACCTTGTGGACATTGAGCTGAAGCAAGCTAAT
TCTGACACATGGCTTCCAATGCAACGTTTCATGGGGTTCAAGGTGGGCTTTGAACT
TAGGTTCAATGATGCAGCCACCATTCTCCATTAAGCTCACTGAAGATGGCAAGAA
CCAAAGGAGGACCATTGTGGCTGATAGTGTAATTCCATCCGGCTGGAAACCTGGT
CAAGTTTATCGATCTGTTGTTAATTTTAA

Nucleotide

>PvEXPB-04

ATGCAAGTTTTAGTTACATTTCTTTTGTGTAATAGTTTACTCCCTGCTCCTAAAC
CCTAGCCATGGTCTCAATCTCAAATTATTTAATTCTTCCAAAATTGAAAACGATGA
TGAATGGAAAGTAGCAGCAGCTACATGGTACGGGGAACCAGATGGTGCTGGATC
TGATGGTGAGTACTTAGCATGCTGATATTAATTAAGTGAAGGAAAGTGTTA

ATATTCAACATTTTTACATATTGAAGTATTTAAATCTGTCATGCATGAATAGATA
AACTGTTGTA AAAACATTATTTTTCAATGTTACAGTATCATGAGTTGAAACATTGGT
GTTTTTCTTCTGATGTTGTTGTGTAGGGGGTGCTTGTGGATATGTTGAGAGTGTG
GAGAAACCTCCACTCTCTAAAATGATCTCAGCTGGAGGTTCTTCTCTTTATCAAGG
TGGCAGAGGATGTGGAGCTTGTATCAGGTGCATGCAACCTTGATGGTTATTTGC
TTCTTCTTGTTTAGAATAATAAATATTCAAATTGTTTCTTCTGTTCAAAGGTATAA
AAAGACTCTCTTATTAGACAGTGATTCAAACATATACTTCAATTTTCAGGTGAAA
TGCACAGAAAACACAGCTTGTT CAGGAAATGCAGTGAGTGTGATGATAACTGAT
GAATGCCCTGGCTGTTTCTTAGGATCAGTCCATTTTGATCTGAGTGGCACTGCATT
TGGTTCCATGGCAACTCCAGACAAAGCAGATAATCTTCGTAATGTTGGACA ACTT
CAAATTCTCTACAAAAGGTATAACTCTTTTACATATTTGTTAACAGCTAATAATAA
TAATGGTAATTTTTGTGAGAGTATTTTGGTAACACTAATTTGAAATACCCTTTTGG
GTTTGTAGGGTTGCATGCTCCTTTGGGAACTCAATAACCTTTACCATCGACAATGG
GGCCAACCCATTCTATTTTGCAACTGAAATAGAATATGAAAATGGGGATGGTGAC
CTTGTGGACATTGAGCTGAAGCAAGCTAATTCTGACACATGGCTTCCAATGCAAC
GTT CATGGGGTTCAAGGTGGGCTTTGAACTTAGGTTCAATGATGCAGCCACCATT
CTCCATTAAGCTCACTGAAGATGGCAAGAACCAAAGGAGGACCATTGTGGCTGA
TAGTGTAATTCATCCGGCTGGAAACCTGGTCAAGTTTATCGATCTGTTGTTAATT
TTAA