

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

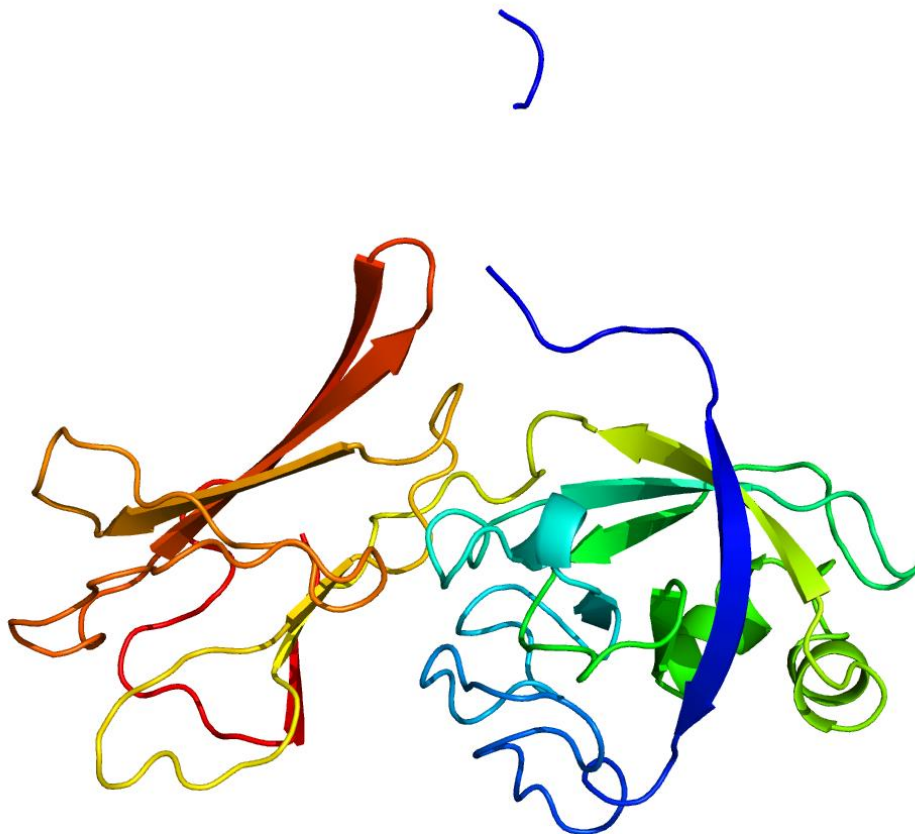
**Locus:** PhHAL.4G008800

**Gene Model:** PhHAL.4G008800.1.p

**Description:** PhhEXLA-02

**Family:** Expansin Like Alpha

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/PhaliiHAL\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/PhaliiHAL_v2_1)

KEGG:-

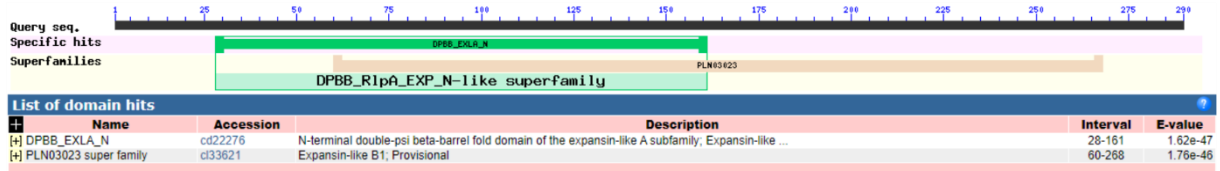
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXLA-02

MAAAMALPPPLLLLTISQFLPPASCSPPSNYCDWCPRQSTASLLPPPAGDLGGTLGG  
EGACGYGTAIAAELVGGYAVAAAGAEFFRDGAGCGACYQLRCRDRRVCGDGGVKV  
VVTDAANRTGFLLAGAFAAMANDGMADQIAGSDNVVPVDFRRIPCEYKRNLVVR  
VEKGSRNPGQLAVRFLYQGGQTDIAAVEISQANRTQLASSWQPMARLRRVWRATRA  
PAGPLRLRLVVTAGFGGKWLQAQEAVLPADWRPGQAYDTGLRVTDVALRTCSSSCR  
THAGDEELR\*

### CDS (coding sequence)

>PhhEXLA-02

ATGGCCGCCGCCATGGCGCTGCCGCCGCCGCTTCTTCTCCTCACCATCAGCCAGTT  
CCTGCCTCCCGCGTCTGCTCTCCTCCTTCCAATACTACTGCGACTGGTGCCCTC  
GCCAATCCACCGCCTCTCTCCTCCCTCCGCCC GCCGGCGACCTCGGCGGTACACTC  
GGCGGCGAGGGTGCCTGTGGGTACGGTACCGCCATAGCTGCGGAGCTCGTTGGA  
GGATACGCCGTCGCCGCCGCGGGCGCCGAGTTCTTCCGCGACGGTGCCGGCTGCG  
GCGCCTGCTACCAGTTGCGGTGCAGGGACCGGCGGGTGTGCGGCGACGGCGGCG  
TCAAGGTCGTCGTCACGGACGCTGCCAACCGCACCGGGTTCCTGCTCGCCGGGGA  
GGCCTTCGCCGCGATGGCCAATGACGGCATGGCCGACCAAATCGCCGGCTCGGAT  
AACGTCGTCCCGGTGGACTTCAGGAGGATACCTTGCGAGTACAAGAGGAACCTG  
GTGGTACGGGTTGAGAAGGGGAGCCGGAACCCGGGCCAGCTCGCCGTCCGGTTC  
CTGTACCAGGGCGGCCAGACCGACATCGCCGCCGTCGAGATCTCGCAGGCGAAC  
CGCACCCAGTTGGCGTCGTCGTGGCAGCCCATGGCGCGGCTGCGTCGCGTGTGGC  
GCGCCACGCGCGCCCCGGCCGGCCCGCTGCGGGTCCGCCTCGTCGTCACGGCCGG  
CTTCGGCGGCAAGTGGCTGCAGGCCAGGAGGCGGTGCTGCCGGCGGACTGGCG  
GCCCGGGCAGGCGTACGACACGGGGCTCCGGGTACCGACGTCGCCCTGCGCAC  
CTGCAGCAGCTCCTGCCGCACGCACGCCGGCGATGAGGAGCTCAGATAG

### Nucleotide

>PhhEXLA-02

AACCATCTCATCGTCAACGATATCAAGGCACGCAAAAATGCCAACACAATTCACA  
CATCGTGCAACAACCTTGAGCAGATAAACAAATGGCAAGCAGGATCAAGAATCAG  
CAAAGCGTGGCGAGAATGAACATCACAAAGGTGTGGAGGAGAAGAACTGTGG  
AGCATGCGTCGGCTTGGCCATACTGCACCGCATGCAGGAGCCGAAACTTGG  
AACGAGCTATCCGGCGGCGGAAAGATTGTTGCGACAGGCACTTTGCTCGTTCAA  
CCCCACCATATCCCGTGACCATGTATAGGGGCTGTCCCTGTCTGCTTGTCTGTCTG  
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CCTCACCATCAGCCAGTTCCTGCCTCCCGCGTCCCTGCTCTCCTCCTTCCA ACTACT  
ACTGCGACTGGTGCCCTCGCCAATCCACCGCCTCTCTCCTCCCTCCGCCGCCGCCG  
GACCTCGGCGGTACACTCGGCGGCGAGGGTGCCTGTGGGTACGGTACCGCCATA  
GCTGCGGAGCTCGTTGGAGGATACGCCGTCGCCGCCGCCGGGCGCCGAGTTCTTCC  
GCGACGGTGCCGGCTGCGGCGCCTGCTACCAGGTGAGGGTCACTGATGACTGGCC  
AGCTAACTAGTATAATACTAGTAGTAACAAGCAAGCCCATCATAGGCTGCAAGA  
ATGCAAATGCTAACAACAAGGAGGTCCGCCTGCTTGCAGTTGCGGTGCAGGGAC  
CGGCGGGTGTGCGGCGACGGCGGGCGTCAAGGTCGTCGTCACGGACGCTGCCAAC  
CGCACCGGGTTCCTGCTCGCCGGGAGGCCTTCGCCGCGATGGCCAATGACGGCA  
TGGCCGACCAAATCGCCGGCTCGGATAACGTCGTCGCCGGTGGACTTCAGGAGGTA  
GTCGATCGCATTTTCAACAAGTGTGCAAATGTGTTTCAGAGATCGATCGTCAGTACG  
AGAAATACGGCATCTGGATTA ACTGACGCAGCAGCTCAAAATTCAACTTTTGATG  
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AGCCCATGGCGCGGCTGCGTCGCGTGTGGCGCGCCACGCGCGCCCCGGCCGGCCC  
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CTCCGGGTACCGACGTCGCCCTGCGCACCTGCAGCAGCTCCTGCCGCACGCACG  
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GCACTAGTGCAGTGATAGGTGATGCTCCATGAATTTCTTGTCTGCCGGCCGATCT  
CACAAATATGATATATGTTTGTGGCTTTGGATGGATGCACAAGATTCATGCGTGC  
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CACGTGCTGTATGCCGTACGTGGCAGCCACTGATAGAATTCTTCCCTCCTTGTAG  
GGGGTTTGGAGATCACATGAGCATGTTACTGCAGTGTTTACGGCCAAGTATGTAG  
GGTACTGTACGCCGCGGTGTCGCTTTCCAAAAAACCCATCCACGACCATGCGTT  
CTCCGTTCTTCTCCTCCTCCCCGTGATCGATCGAGCTTGTCCGGTGTCCATGTCT  
GCTCGCGTGATCATCCTGGTCCGGCCTTTTGCATCATTGCTCTTGTGCTGCCAATCT  
TGTAATAATTTACTAAGCGTGGCAGACTCGCAGGGCAACGCAGTGAAACTTT  
GAGCGACTTTTCTACGCGTGTGCTTGTGCTGCCTGAAAAGGTTCTCATGACTGAC  
ATTTCTTCCATGATCATCA