

IDENTIFICATION

Species: *Setaria italica*

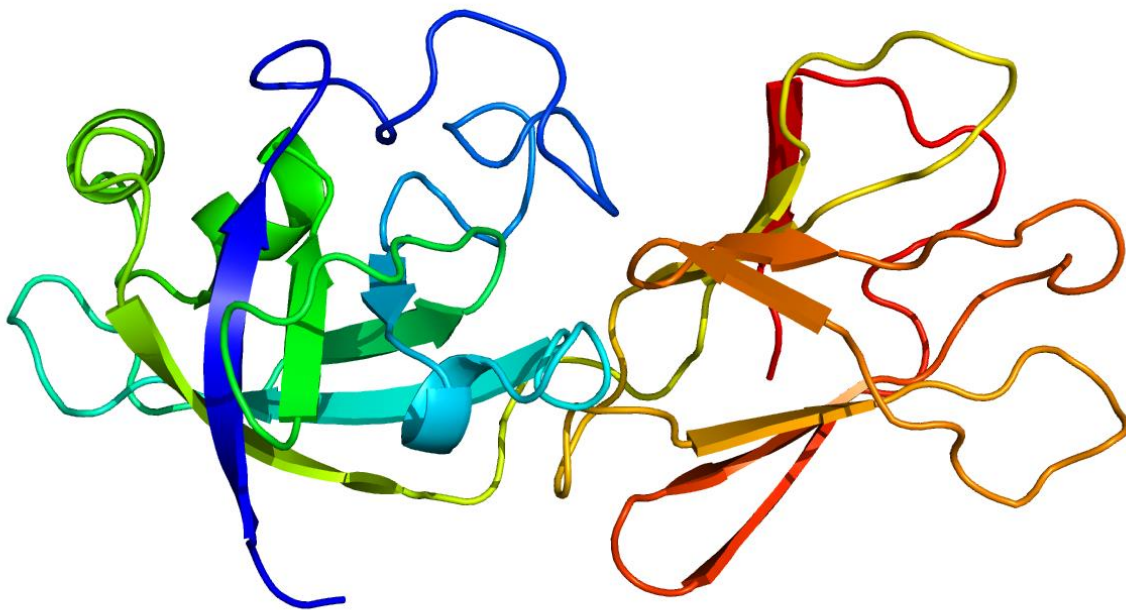
Locus: Seita.9G157200

Gene Model: Seita.9G157200.1.p

Description: SitEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

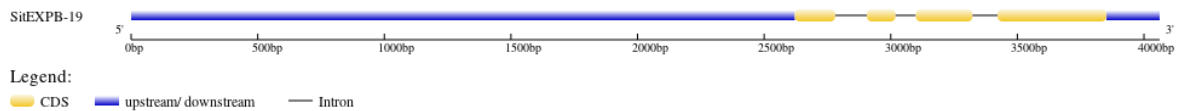
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

KEGG: <https://www.genome.jp/entry/gn:T02818>

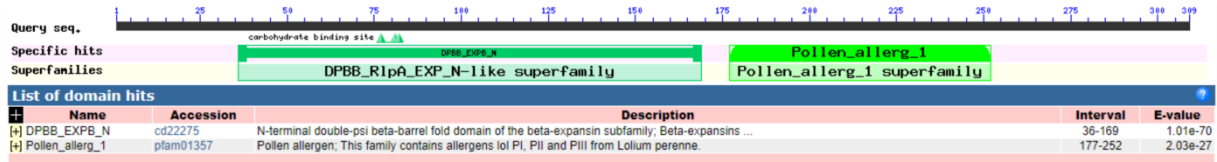
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXPB-19

MASKIQRLLSSFIAITVFASLLHPCVSIEFRHELSSWTTGIATWYGLDPNGAGSEGGACGY
QYAVDQPPFSSLIAAGSPFIYDSGNGCGSCYQVVCSGNQACSGYPVTVVITDQGP
GPCLSQASDGMCLNEGAFHDMSTAFGAMAKPGMADQLRAAGILQIQYTRVQCEW
PGVDVTFSVDTGSNPNYLAVLIEYEDTESDLGVDIMQSSTGQWVPMQHSWGAVWR
LNSGSALQGPFHRLTFSSGRVLIASNAIPAGWNAGVSYRSGGVAVTRARPRSAGCRG
YKAAGAFGLVYHLLLLFVMLAL*

CDS (coding sequence)

>SitEXPB-19

ATGGCTTCCAAGATTCAGCGCTTGTCTCCTTCATTGCCATTACAGTTTTTGCTTC
ACTCCTTCATCCTTGTGTGTCTATTGAGTTCGCCATGAGCTCTCCAGCTGGACCA
CTGGCATTGCTACGTGGTATGGTGATCCTAATGGTGCCGGAAGTGAAGGTGGTGC
ATGTGGGTACCAGTATGCTGTGCGACCAACCCCATTCCTCGTCTTGATTGCTGCTG
GCAGCCCTTTCATCTACGACTCTGGAAATGGATGTGGTTCTTGCTACCAGGTGGT
ATGCTCTGGCAATCAAGCTTGCTCTGGTTACCCTGTGACTGTTGTCATCACTGACC
AGGGCCCTGGTGGGGGTCCATGCCTGAGCCAAGCAAGTGATGGCATGTGCCTAA
ACGAGGGCGCCCACTTCGACATGAGTGGGACGGCGTTTGGTGCCATGGCAAAGC
CTGGAATGGCCGATCAGCTCCGTGCCGCTGGCATCCTACAAATCCAATACTCG
GGTGCAGTGTGAATGGCCTGGAGTGGATGTAACCTTCTCTGTGGACACCGGTTCC
AACCCGAATATCTTGCCGTGCTCATCGAGTATGAGGACACTGAAAGTGACCTAT
CGGGCGTCGATATCATGCAGAGCTCGACGGGGCAGTGGGTGCCGATGCAGCATT
CGTGGGGTGCAGTGTGGAGGCTCAACTCTGGCTCCGCCCTCCAGGGCCCGTTCCA
TATCCGACTGACTTTCAGCTCAGGCAGGGTGTCTCATCGCCAGCAACGCCATACT
GCAGGGTGAACGCCGGCGTGTCTGACCGGTGAGGAGCGTGGCGGTGACGAGG
GCCAGGCCAGGAGTGTGGATGCCGGGGCTACAAGGCAGCAGGAGCATTGGC
GATTTGGTGTATCACCTTCTCCTGTTGTTTGTGATGTTAGCGTTGTGA

Nucleotide

>SitEXPB-19

GAAAGAGAGCATAAACCCCTGCATCCCTGTGCTCTCGCAGTCGCAGGCACCGCTC
CCCTAGGCCTGTCCCTACCGTCCCTTGGCTCTCTCTCCTCGCCGCTGCCGCCCCCA
TTTCTCCACCGCCGCCACCCGCATTCCCGCACCACCGCCGCCCGCATTCCACCGA
GCCACCCCTTCTCCTCGCAACACAACAGCGTAAACTAAACGCCGCCTCTCCGC
ACCTAGGCCGAAGCCGCAATCCCCCGAGCGGGCTAGCCCCAATGGCGGGCCGCCTT
GTAGTTGCGTGCCGCGGCTTTCGCCGCTACAGCACCGGTGGGGTCCCTCTAGCCTC
GGATCTGACTGAGACAAGGCTAGCGCGCTCGAAGCTTTGCTGGCATTGGAGCGGT
TTCCCGTTCCGGCAGCGGGGTGGAGGTAGCTCGTTGCTGCGGCACGACGGCCAGG
TTCGGCGTGGTGCCTCCTCAATCCTCCGCTTTTAACTCTCACCTGGTTTCTAACA
CAGGTGTACCGTGTACATGTACTGAACTCTGTTTTTTGTGTGCAGAGGAATTTGGC
TTCACAGAGCGCCGCGGCATCCAAGCCCTGCCATAAGACCGTAAGAATTTGACA
CGCCTTCTCAGTAATTGGTTCGAAAATGATGCTTGAGGATGCATATACATAGTAA
ACACTTCCATTGGATCTTGTTTTCAGAGGAATCTGTGAATTGACTCCACTTAGTTA
GGTTTGATTTTGATAACTCTAGTTGAATTGAATATGATTAGTGTGGCATACTAGAA
TGTAAGATCAGATATGAATTGGAAGCGGGGAGTATGAAAGCTGCATCATTCTGG
AGAGAAGTATTGATTTACAGCTTATAGCACTAAAGCAGATGGCCAGAATGCCAGAT
GCTTGCAGGTGGGGTTTAGCACTACAGCAGATCCAAAGCCTAGTATGGTTAAAAT
ACGGCTTGGTTTTAGTTGTGTTAAAGGTGAAAGGATCTCAGTTGACGACCAAGGT
CCTGGTAGCCAATATCAAGGTCAAATGTATAAATATGAATTCGACCTATGAGGTG
TCAACGTAAAAGTACAATGAGATGGAAATTGACCCATCCATTCATCTCAAACCA
AATGGTGAGGCTTTGAAGTCTGTCAACATGTTGATATGCCAGGCATTATGTAGGT
AGCTAGCCATAGCAAAAAATAGAGACTTACTGCCAGAGCATGCATGATATGCTCT
TGTGCTCGTGATTCCCTTTTTTTCTTATTAATTAAGTTTGTTTTGTATCTAGATAA
CTACATGTAAATTTTCAAAGGTCAGAAAAGGTAATGATGTCACCTTATCAACAT
AGTATTTTGACTTGCTTATATAAACCTGACTGCAGGATAAGGCTATTGATGTGCTA
AAATTGTGCAGAAATGTTTGAATTGTTAAGGGATATCTATTGTCATGCTTACCA
CATTCTTTTGATAGTAAACATGGTGCTTCATTCTGAGAGACTAAAAAATACTGTCT
GATTGTCTTTGTTTTTTTTACTCATATCATTGATATCAGTATAACTTTTGTGAAA
GTTGAGATAAGGGAATAGAATAATACATTAATAATAAATTTATGCAGTTTGCCCAT
AGTGACTTCCTTTAGTTCAGAAAACCTCATTGAAATCTGATTAAGGCTGTGGAGG
ACATGTGAATTCTTTGCGAAGGTAGAAAGAAGTGATTGATCATAAAGTAAAAA
CTAGAAACTAATGGTCTTGCACAGGTTTACTGTATTTATAATTGGATTTTCCTTCA
AGTGCATATCCACTCCTTATCATTACTTCAGAACTTAGATACCAATTCGGTAGAAA
AAAACAGTCATACCTCAACCAACAGCATTCACTTACTTATGCCCCAGTGGTCACC
TAGGAATTATTTGGGCTTCTGGCTACCCCTACTAGCATTCTTACTTTGCAATC
ACCTAGACTTAATGATTTTATAATTCATATGCTAACTCTAAGCTCAAAGTCACAAT
ACAAAAGTGATAAGGTGAGTACAGAAGATATGAAAGAAAGGTAAGAAAGAAAGG
TCTGGTGGGTCCAGACTCCAGAGATCTTATTTTTAGCTACTTTCAGTTCATAACCG
TCATATTATCTTAGATTTTGTAGGTATTTATGAATAGGATCCTTTGCACAATGTA
CTCATAGTTCCATCATAACAAAATATCATAACATAGGATTTGCTGTGGTGCATTG
ACTTATAACTGTAAGATCTGAATAACAATTCAGGGCTGTATGTGCAATTCTGCAT
GCCCTTTGATTTATTCAAAGGTATCATGAATTTGTTTCAATGTGCATTTGCCTCA
TTATCTACTTCATACCTGTCCCAACTCCCAAATCTTCTCCACCTGGCCTTAGATT
ATGGGTTTACTATCTTTCTAGTGATGAATCATGAATGCGTTTGTATAATAAACAC
AAAAGTACTGTAAAATAAAGAGCAGCCCTGTCCTGTTCTTTTGTCTTAAATCAT
CTAGGAAAATTACACTAATTGTCCTATGAATATACATAACATAAGCTGCTTGACT
CGTCTCTCTCCTTGCAATTCCACGGTATTTTATACCTTATCATCCACAGCTTAC

TGTCACATTGCAGAATATGGCTTCCAAGATTCAGCGCTTGTCTCCTTCATTGCCA
TTACAGTTTTTGGCTTCACTCCTTCATCCTTGTGTGTCTATTGAGTTCCGCCATGAGC
TCTCCAGCTGGACCACTGGCATTGCTACGTGGTATGGTGATCCTAATGGTGCCGG
AAGTGAAGGTAATAGTCACTCATGAAAGAATATCTGTCATCTCAACAATCACCAT
ATAATAGCTCTGCTCAGACCGGTGTGTGGCTTCGATAGTTGTTCTGATGCATGTTT
GTGTCAATGACACCCTTTGTAGGTGGTGCATGTGGGTACCAGTATGCTGTGCGACC
AACCCCATTTCTCGTCCTTGATTGCTGCTGGCAGCCCTTTCATCTACGACTCTGGA
AATGGATGTGGTTCTTGCTACCAGGTGCGTGCCTCCTTTGTGATTGAGGCGATC
GCATGCTTGCCTTCTGCCATTTTACATCTGGAAATGCTGATTCATCAGGTGGTAT
GCTCTGGCAATCAAGCTTGCTCTGGTTACCCTGTGACTGTTGTCATCACTGACCAG
GGCCCTGGTGGGGGTCCATGCCTGAGCCAAGCAAGTGATGGCATGTGCCTAAC
GAGGGCGCCCACTTCGACATGAGTGGGACGGCGTTTGGTGCCATGGCAAAGCCT
GGAATGGCCGATCAGCTCCGTGCCGCTGGCATCCTACAAATCCAATACACTCGGT
ATGCCGTTTCATTGAGGACATGGCTGCTTGCAACCAACTGTCGTCCTCGACTAATTT
GTGTCGACCTTGCCATGACCCATGCGCATATGGATGTACAGGGTGCAGTGTGAAT
GGCCTGGAGTGGATGTAACCTTCTCTGTGGACACCGGTTTCGAACCCGAACCTATCT
TGCCGTGCTCATCGAGTATGAGGACACTGAAAGTGACCTATCGGGCGTCGATATC
ATGCAGAGCTCGACGGGGCAGTGGGTGCCGATGCAGCATTTCGTGGGGTGCAGTG
TGGAGGCTCAACTCTGGCTCCGCCCTCCAGGGCCCGTTCCATATCCGACTGACTTT
CAGCTCAGGCAGGGTGCTCATCGCCAGCAACGCCATACCTGCAGGGTGGAAACGC
CGGCGTGTTCGTACCGGTCAGGAGGCGTGGCGGTGACGAGGGCCAGGCCAGGAG
TGCTGGATGCCGGGGCTACAAGGCAGCAGGAGCATTGCGGATTTGGTGTATCAC
CTTCTCCTGTTGTTTGTGATGTTAGCGTTGTGAATTAGTATGTTGCAAAATGCAGC
TTTGGTAGTTTTGGGATGCAGATTAGGACTACCTAGATGGACAGAGTTGTGTGTT
TTGATATTTTTCTTGTAGCTGAGGCCCTAAGAGGATGGATAAGCAACTATTCTGGTT
GGACAGTGCCCATTCATGTAAATACGCGTTTCATGAAACTGACTGGGTTTTTTTTT
TTTTTGATAAATGAAACTGA