

## IDENTIFICATION

**Species:** *Boechera stricta*

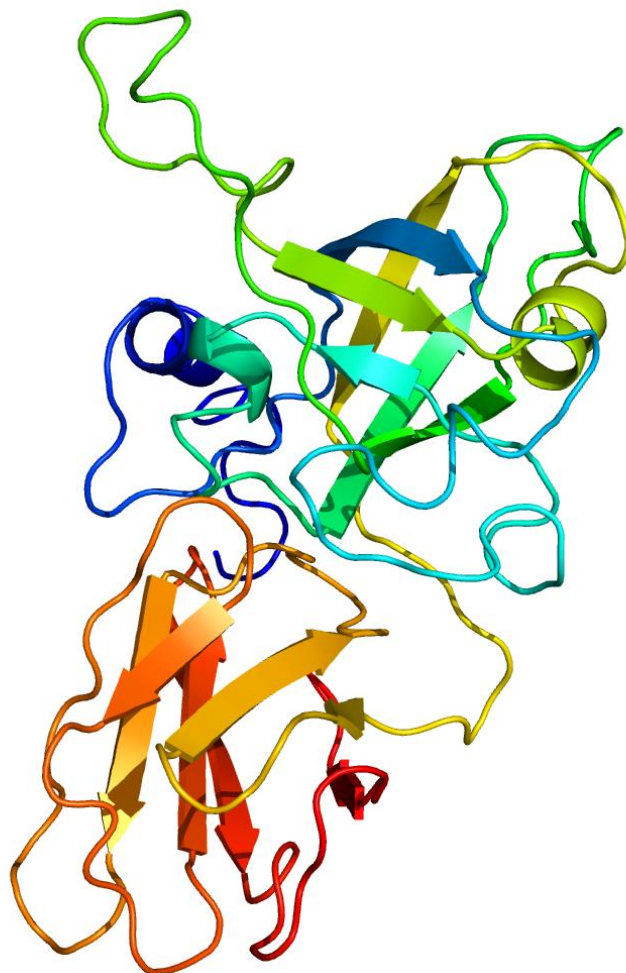
**Locus:** Bostr.23794s0313

**Gene Model:** Bostr.23794s0313.1.p

**Description:** BosEXPA-17

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

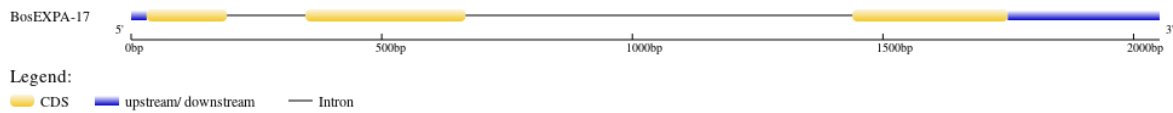
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bstricta\\_v1\\_2](https://phytozome-next.jgi.doe.gov/info/Bstricta_v1_2)

KEGG:-

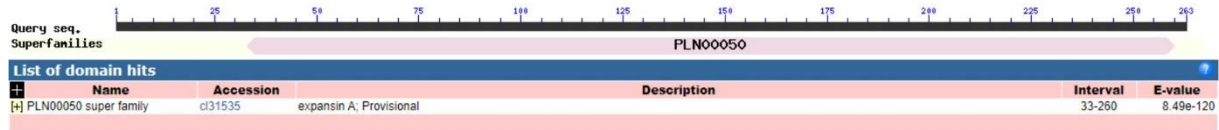
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BosEXPA-17

MTATAFRIGLWLAVTASFLLAATNAKIPGVYSGGPWQNAHATFYGGSDASGTMGGA  
CGYGNLYSQGYGVNTAALSTALFNNGFSCGACFEIKCTDDPRWCVPGNPSILVTATN  
FCPPNFAQPSDDGGWCNPPREHFDLAMP MFLKIGLYRAGIVPVSYRRVPCRKIGGIRF  
TVNGFRYFNLVLVTNVAGAGDINGVSVKGSKTDWVRMSRNWGQNWQSNVAVLIGQS  
LSFRVTASDRRSSTSWNVAPPTWQFGQTFSGKNFRV\*

### CDS (coding sequence)

>BosEXPA-17

ATGACGGCGACTGCGTTTCGGATTGGCTTGTGGTTGGCCGTTACGGCTTCCTTTCT  
CTTAGCCGCTACAAACGCCAAAATCCCCGGCGTTTACAGCGGCGGACCGTGGCAG  
AACGCACACGCCACTTTCTACGGCGGTAGTGACGCCTCTGGAACCATGGGCGGCG  
CGTGTGGGTACGGGA ACTTATACAGCCAAGGATACGGTGTGAATACGGCGGCGC  
TGAGCACTGCTCTGTTCAACAACGGCTTTAGCTGTGGTGCTTGTTTTGAGATCAAG  
TGTACCGACGACCCGAGATGGTGTGTTCCGGGAAATCCGTCGATTCTTGTGACGG  
CGACGAACTTTTGTCCGCCGAATTTGCTCAACCGAGTGACGACGGAGGATGGTG  
CAATCCGCCGCGAGAGCACTTTGATCTGGCTATGCCTATGTTCCCTCAAGATCGGT  
CTGTACCGTGCAGGCATTGTCCCGTCTCCTATCGCAGGGTACCTTGTCCGAAGA  
TAGGAGGGATAAGATTCACAGTAAACGGGTTTCAGATACTTTAATCTTGTCTGGT  
AACCAACGTTGCCGGCGCTGGAGATATCAACGGAGTTAGCGTAAAGGGATCAA  
GACAGATTGGGTGAGGATGAGTCGGA ACTGGGGACAGAACTGGCAGTCCAACGC  
CGTCCTCATCGCCAATCACTCTCTTTTCAGAGTCACCGCCTCTGACCGACGTTCT  
CCACCTCGTGGAACGTTGCTCCTCCACGTGGCAGTTTGGTCAGACTTTCTCCGGC  
AAAACTTCCGAGTCTGA

### Nucleotide

>BosEXPA-17

CACATCTCTCTCCCTCACTTATTA ACTCAATGACGGCGACTGCGTTTCGGATTG  
GCTTGTGGTTGGCCGTTACGGCTTCCTTTCTCTTAGCCGCTACAAACGCCAAAATC  
CCCGGCGTTTACAGCGGCGGACCGTGGCAGAACGCACACGCCACTTTCTACGGCG  
GTAGTGACGCCTCTGGAACCATGGGTATATATACTCACTAGTCACTACCTTACCA

AATTCACCATTATCAATTTTCATTTTCATATATAACCATAAATTATGATTCTCTAACT  
TCTTCTTGTTTTGATAAAGTTCCTAACGTTTTGTGCTCTGTTTTTTGTTTTTGGCGCG  
TGGGGTTTGAAAGGCGGCGCGTGTGGGTACGGGAACTTATACAGCCAAGGATAC  
GGTGTGAATACGGCGGGCGCTGAGCACTGCTCTGTTCAACAACGGCTTTAGCTGTG  
GTGCTTGTTTTTGAGATCAAGTGTACCGACGACCCGAGATGGTGTGTTCCGGGAAA  
TCCGTCGATTCTTGTGACGGCGACGAACTTTTTGTCCGCCGAATTTTCGCTCAACCGA  
GTGACGACGGAGGATGGTGCAATCCGCCGCGAGAGCACTTTGATCTGGCTATGCC  
TATGTTCCCTCAAGATCGGTCTGTACCGTGCAGGCATTGTCCCCGTCTCCTATCGCA  
GGTACCGTTTTTGGTTTTCCGCCGGCTATTATCTAATTTGGTGAATCAATAAGAATTTA  
ACTGAAAATTATACGGTGAAGAAGAAATTACACAAAGAACCATATGGATAATAG  
TGACTTTTGCAAATCTAGATTATGTTAAACGAGATTAATATTTTGAAGGGAAATA  
GTGTTTTATTGTGAATAAACAAATTAGAGGCTTTACTGTTTGATTATTCGCTATAA  
TATGCTAGAAAAATATAGATTTTTTACAAACATAAACATTTTTTTCATGTTGAAATA  
GACGTTTTTAAATTTTTCTTATTGAAATAGATATTTTTTCGATATTCAAAATTA  
AAACCCCTTTATAAATCTATAGACTCTTTTTTTTTCTAAAATGCCTAAATGTCTTAA  
TTTTTTCTATAGTCGTATTTTCACAATATTTTTTTTTTAGGTTCTCTTTTTTCATTTAA  
TTTAAAAGATATTTATACCGACTACCGAACATGTTCTCTTATTATTATCCCTGTGT  
TTTGTTCCTCTAGGGTTCTAGCACTTTTAGATAACGGCCTATGAGTTTCAGTGG  
TTCAGAAACTGAAACCATCACTCTCAAATCTCAACTATTATTAATATTTTTTGT  
TTTACTGAAACATTTTAAATACCAATTATTTTATAGTATTTCAATTATCTTTTCGGG  
AAAAGAAGCAGGACACATAGACACAGTAACCCAGAGATCCATCTCTCTTTATCTC  
TTCTTGCTTGTGTTAATAATTGTCTGAACTCTGTTTCCTCTGAAGGGTACCTTGT  
CGGAAGATAGGAGGGATAAGATTCACAGTAAACGGGTTTCAGATACTTTAATCTTG  
TTCTGGTAACCAACGTTGCCGGCGCTGGAGATATCAACGGAGTTAGCGTAAAGGG  
ATCAAAGACAGATTGGGTGAGGATGAGTCGGAACCTGGGGACAGAACTGGCAGTC  
CAACGCCGTCCTCATCGGCCAATCACTCTTTTCAGAGTCACCGCCTCTGACCGAC  
GTTCTCCACCTCGTGGAACGTTGCTCCTCCCACGTGGCAGTTTGGTCAGACTTTC  
TCCGGCAAAAACCTCCGAGTCTGAAGTTTGAACCACACCCAAAGAATCAACCGTT  
TTTTCAATGAAGACAAACAATTCTCAGATGTTATTTTATTTTAAATATGGGAGACA  
GAAACAAGAAGAGATCAGACATCATTTTCCAGCCCTGGGTTTTCCCTTAATATTT  
CTCGGGAAAATTCCGGTGGCTTCGGGAAAGTATTTACGTTTTTTAGTATTATCAGC  
AAAACGTTTTTTAGCATTATCAGCAAATTTTCTTTTATAAACAGTCTATGATTGAA  
TCTGATGGACCGTGTAATGGGCCATTGGGCCAAGTTTTTTTTATATATA