

## IDENTIFICATION

**Species:** *Boechera stricta*

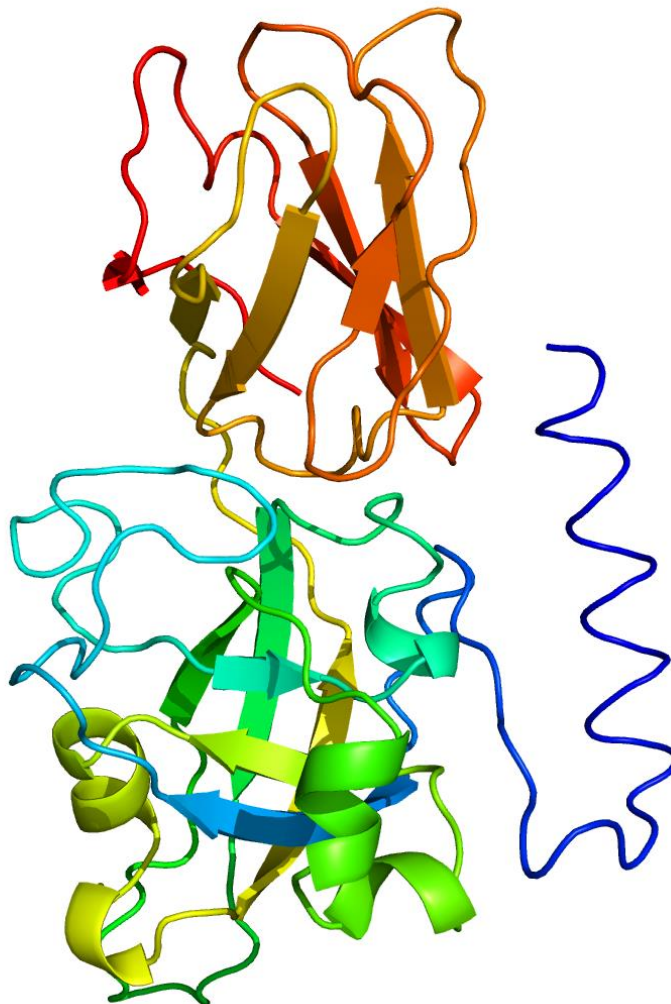
**Locus:** Bostr.2902s0290

**Gene Model:** Bostr.2902s0290.1.p

**Description:** BosEXPA-04

**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:-

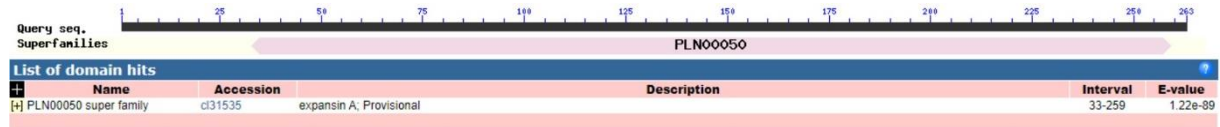
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BosEXPA-04

MARRFTAVAVALLATLVVASGHRLMSTGAATGAKDAWDNARATFYGDIKGET  
MKGACGYGNLFEQGYLETTALSTVLFNNGATCGACFEIMCVDAPQACIKGAKPIRV  
TATNFCPANYTKTESVWCNPPQKHFDLSLPMFLKIAKYKAGVVPVKYRRVLCPRKH  
GGVKFQLTGPNPYFLMVLVYNVGRVGDVAEVKVKGSKSGWFQMHRNWGQVWDTG  
LKLTEESLSFKVTTSDGKFLNFDNVAPPNWQFNQTYDGKLN<sup>F</sup>\*

### CDS (coding sequence)

>BosEXPA-04

ATGGCTCGTCGTTTTACGGCGGTGGCTGTAGCCTTATTGGCCACCTTGACCGTCGT  
GGCCTCGGGACACCGACTCATGAGTACCGGTGCTGCCACTGGTGCCAAAGACGCC  
TGGGACAATGCTCGTGCCACTTTTTACGGTGATATAAAGGGTGGAGAAACCATGA  
AAGGAGCTTGTGGGTACGGTAATCTCTTCGAGCAAGGCTACGGTTTAGAGACGAC  
GGCTCTAAGCACGGTTTTGTTCAATAATGGAGCCACGTGCGGTGCATGCTTCGAG  
ATCATGTGCGTCGACGCTCCACAAGCGTGCATCAAAGGAGCCAAACCTATACGCG  
TCACAGCCACCAATTTCTGCCAGCAAACCTACACCAAACAGAAAGTGTTTGGTG  
CAATCCGCCGCAGAAACATTTTCGATCTCTCGTTACCGATGTTTCTCAAGATCGCTA  
AGTACAAAGCCGGAGTTGTTCCGGTGAAATATAGGCGAGTTTTATGCCCGCGTAA  
ACATGGTGGTGTCAAGTTTCAGTTAACCGGAAATCCTTATTTCTTGATGGTTCTTG  
TTTACAACGTTGGACGTGTTGGTGATGTGGCTGAGGTTAAGGTGAAAGGTTTCGAA  
GAGCGGTTGGTTTCAGATGCATCGGAATTGGGGACAGGTTTGGGATACCGGCTTG  
AAGTTAACCGAAGAGAGTTTGTCTTTTAAAGTCACTACAAGTGATGGGAAATTTT  
TGAACCTTGATAATGTTGCTCCACCTAATTGGCAGTTTAATCAAACCTACGATGGC  
AAGCTTAATTTTTGA

### Nucleotide

>BosEXPA-04

ATGGCTCGTCGTTTTACGGCGGTGGCTGTAGCCTTATTGGCCACCTTGACCGTCGT  
GGCCTCGGGACACCGACTCATGAGTACCGGTGCTGCCACTGGTGCCAAAGACGCC  
TGGGACAATGCTCGTGCCACTTTTTACGGTGATATAAAGGGTGGAGAAACCATGA  
GTACGTTTATTCATTAATAAATAACATATATAAAATTTGATGATTTTTAAAAAAA

AATCTGTTAATAATGTGTGGTTTAAAATTAGTATTATCCTTTGAGGAAAAAAGTT  
GAATATTATTTTTTGATAGGGTATGTTCGTATAAATCAATGAATTTTTTCAAACTTT  
GTTTAGTAACTGAACTAATTATGTCATGCAACGTTGTGTTTGATCGTATCCAAATT  
TATATTC AATGGAAA ACTAAATATTTGATATAACAAGTCATACATATATATATTTT  
ATATTTTTTCATTGGTCAGTGTGTTCTATTGAATCTAAACCAAAATATCAATTTATG  
TGTATACGTAAACAGAAGGAGCTTGTGGGTACGGTAATCTCTTCGAGCAAGGCTA  
CGGTTTAGAGACGACGGCTCTAAGCACGGTTTTGTTCAATAATGGAGCCACGTGC  
GGTGCATGCTTCGAGATCATGTGCGTCGACGCTCCACAAGCGTGCATCAAAGGAG  
CCAAACCTATACGCGTCACAGCCACCAATTTCTGCCAGCAAACCTACACCAAAAC  
AGAAAGTGTGTTGGTGCAATCCGCCGCAGAAACATTTTCGATCTCTCGTTACCGATG  
TTTCTCAAGATCGCTAAGTACAAAGCCGGAGTTGTTCCGGTGAAATATAGGCGAG  
TTTTATGCCCGCGTAAACATGGTGGTGTCAAGTTTCAGTTAACCGGAAATCCTTAT  
TTCTTGATGGTTCTTGTTTACAACGTTGGACGTGTTGGTGATGTGGCTGAGGTTAA  
GGTGAAAGGTTTCGAAGAGCGGTTGGTTTCAGATGCATCGGAATTGGGGACAGGT  
TTGGGATACCGGCTTGAAGTTAACCGAAGAGAGTTTGTCTTTTAAAGTCACTACA  
AGTGATGGGAAATTTTTGAACTTTGATAATGTTGCTCCACCTAATTGGCAGTTTAA  
TCAAACCTACGATGGCAAGCTTAATTTTTGA