

IDENTIFICATION

Species: *Boechera stricta*

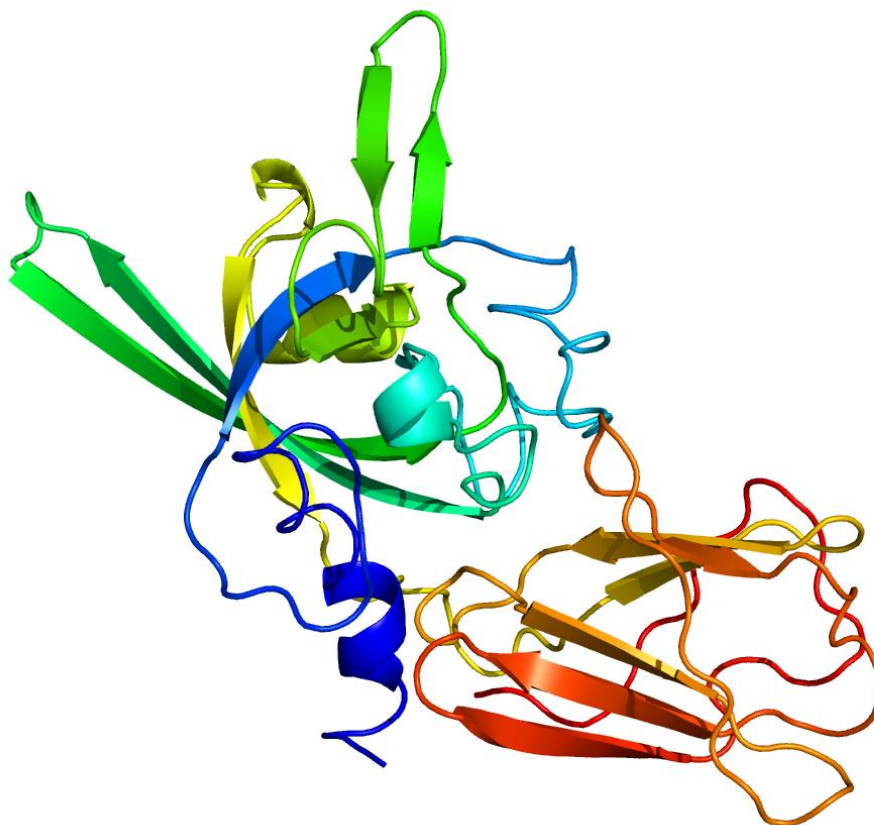
Locus: Bostr.7128s0621

Gene Model: Bostr.7128s0621.1.p

Description: BosEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bstricta_v1_2

KEGG:-

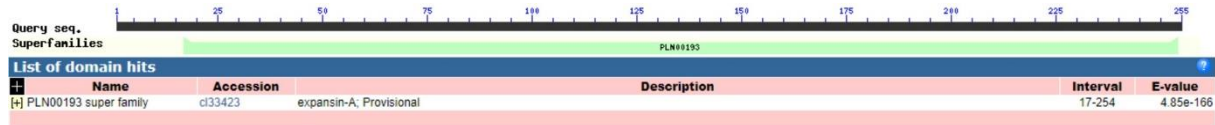
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BosEXPA-08

MIMSKSLAGLAVLAALFITVDAFKPSGLTNGHATFYGGSDASGTMGGACGYGDLYS
AGYGTMTAALSTALFNDGASCSECYRITCDYAADSRWCKKGASVVITATNFCPPNF
ALPNNNGGWCNPLKHFDMAQPAWEKIGIYRGGIVPVVFQRVSCYKKGGVRFRING
RDYFELVNIQNVGGGSIKSVSIGTKTGWLAMSRNWGANWQSNA YLDGQSLSFSIT
TTDGATRVFLNVVPSSWSFGQTYSSNIQF*

CDS (coding sequence)

>BosEXPA-08

ATGATCATGTCAAAGTCTCTAGCTGGCTTGGCGGTTTTGGCCGCTCTTTTTATTAC
GGTTGATGCGTTTAAGCCTTCTGGTTTAACCAATGGTCATGCCACATTCTATGGAG
GAAGTGACGCTTCTGGAACAATGGGTGGAGCTTGTGGTTACGGAGATCTTTACTC
GGCGGGGTACGGGACAATGACGGCGGCGCTAAGCACGGCTCTGTTTAACGACGG
AGCTTCTTGCGGAGAATGCTATAGGATAACGTGTGATTACGCGGCGGACTCACGG
TGGTGCAAGAAAGGAGCGTCCGTTGTCATTACAGCCACTAACTTTTGCCCACCAA
ACTTTGCTCTACCCAACAACAACGGTGGTTGGTGCAATCCGCCGCTCAAACATTT
TGACATGGCACAACCCGCTTGGGAAAAGATCGGAATTTACAGAGGAGGAATTGT
TCCCGTCGTTTTCAAAGAGTGAGCTGTTACAAGAAAGGAGGGGTGAGATTCAGA
ATAAACGGAAGAGACTACTTCGAGCTAGTCAACATTCAAACGTAGGAGGAGGA
GGTTCAATTAATCTGTCTCCATCAAAGGAACAAAGACTGGTTGGTTAGCTATGT
CTCGTAATTGGGGAGCTAATTGGCAATCAAACGCTTACCTCGATGGCCAATCTCT
GTCTTTCTCCATTACTACTACCGATGGTGCTACAAGAGTTTTCTCAATGTTGTTC
CTTCTTCTTGGTCCTTTGGACAGACTTATTCTTCCAATATTCAGTTTTAA

Nucleotide

>BosEXPA-08

ACTCATCTGCAGCATATTACAAACAGAGTTTGCAGATCTGCTGTCTTTTTTTGGACT
TATATTGTTACTTACAAATATACACATGTAGGAGATTTTGCCCAAAAAATGAAAA
ATAAAGAAATAAAGATACACACAGGCTAGATAAAGATAAGATCACATGTAAGGT
TTTGTGCTACTACATAGTTTATACTCACTTCCCACCTTTATTTAAACAACCTCTCTC
CTTCTCTCGATCATCATCATCTCTTTCTTCTGCAAGAATTATGATCATGTCAA
AGTCTCTAGCTGGCTTGGCGGTTTTGGCCGCTCTTTTTATTACGGTTGATGCGTTT

AAGCCTTCTGGTTTAACCAATGGTCATGCCACATTCTATGGAGGAAGTGACGCTT
CTGGAACAATGGGTAATTTAACAGTTCAATTTTCATACGATTTTGACTCGAATGGA
TTTGGACCATTTGGTTAATCGATTAATTATTTCTTGTTTTTTTTTGTTTCAGGTGGA
GCTTGTGGTTACGGAGATCTTTACTCGGCGGGGTACGGGACAATGACGGCGGCGC
TAAGCACGGCTCTGTTTAACGACGGAGCTTCTTGCGGAGAATGCTATAGGATAAC
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ACAGCCACTAACTTTTGCCACCAAACCTTTGCTCTACCCAACAACAACGGTGGTT
GGTGAATCCGCGCTCAAACATTTTGACATGGCACAACCCGCTTGGGAAAAGAT
CGGAATTTACAGAGGAGGAATTGTTCCCGTCGTTTTCCAAAGGTTAGATTTCTTTT
TCAAACAACCCAGAAAAAGCGAAAGATTGATAAATCCCCCACTTAATTTGG
ATCCTATATATTTAGAACCTTTAACTATTATTTCTCAATAATTTAAACCTCTGTTTA
TCGCCTAAACGACAGTGTTTTGTGTGTTTATGACGGTTTAAATATTTTTGGGTTTA
AAAATGAATCAGATGAAAGTTTAGGTATTTTTATGCAATTTGTCAAAAAATTTAA
CGAAAAGTCTTTTTTTTTGTTTTGTTTTCCGTTTGTGTGCTGGGAAAAACAGAG
TGAGCTGTTACAAGAAAGGAGGGGTGAGATTCAGAATAAACGGAAGAGACTACT
TCGAGCTAGTCAACATTCAAACGTTAGGAGGAGGAGGTTCAATTAATCTGTCTC
CATCAAAGGAACAAAGACTGGTTGGTTAGCTATGTCTCGTAATTGGGGAGCTAAT
TGGCAATCAAACGCTTACCTCGATGGCCAATCTCTGTCTTTCTCCATTACTACTAC
CGATGGTGCTACAAGAGTTTTCCCTCAATGTTGTTCCCTTCTTCTTGGTCCTTTGGAC
AGACTTATTCTTCCAATATTCAGTTTTAAATTTCTTTTGGTTCTGTCTGAAAAATTA
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