

IDENTIFICATION

Species: *Boechera stricta*

Locus: Bostr.22157s0025

Gene Model: Bostr.22157s0025.1.p

Description: BosEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

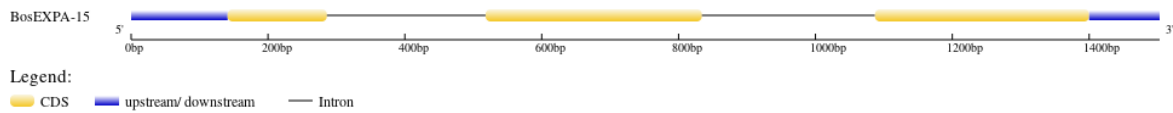
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bstricta_v1_2

KEGG:-

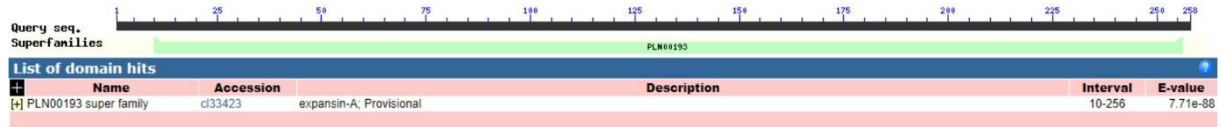
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BosEXPA-15

MDQNLFSKCLVILSMMTMIGTSTATYAGTPWRTASATFYGDETASATMGGACGYGN
LWDSGYGVATTALSTALFNDGYSCGQCFQIRC VSSPNCYYGSPATVVTATNICPPNY
GQASNNGGWCNPPRVHFDLAKPAFMKIANWKAGIIPVSYRRVACKKSGGIRFKFEG
NGYWLLVYVMNVGGAGDIKTMAVKGSR TNWINMSHNWGASYQAFSSLYGQSLSF
RVTSYTTRQTIYAWNAAPASWSAGKTYQSKANFS*

CDS (coding sequence)

>BosEXPA-15

ATGGATCAA AATTTGTTTAGCAAGTGCTTGGTTATTTTATCAATGATGACGATGAT
CGGAACATCAACGGCAACATATGCCGGTACCCCATGGCGTACAGCCTCAGCCACT
TTTTACGGTGACGAGACCGCCAGCGCAACTATGGGTGGGGCTTGTGGTTATGGTA
ACTTGTGGGACAGCGGATACGGTGTAGCCACGACTGCGCTGAGCACAGCGCTGTT
CAACGACGGTTACTCATGCGGTCAATGTTTCCAGATAAGGTGTGTGTCTCCTCGCCT
AACTGCTACTACGGTTCACCAGCCACAGTGGTGACTGCAACCAACATATGTCCAC
CAAATTATGGCCAAGCTTCCAACAATGGTGGATGGTGTAAATCCGCCACGAGTCCA
TTTTGATTTGGCTAAACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATC
ATCCCGGTTTCATAACCGCAGAGTGGCATGTAAGAAGAGCGGAGGAATAAGGTTT
AAATTTGAAGGAAATGGGTATTGGCTACTTGTGTACGTCATGAACGTAGGTGGTG
CAGGTGACATCAAGACCATGGCCGTTAAAGGTAGCCGCACGAACTGGATCAACA
TGAGCCATAATTGGGGAGCTTCGTACCAAGCTTCTCGTCTCTTTATGGTCAGTCT
CTCTCGTTCCGAGTCACCTTTACACCACTCGTCAGACCATTTACGCTTGGGAATGC
TGCTCCGGCTAGCTGGAGTGCCGGCAAGACCTACCAAAGCAAGGCTAATTCAGC
TGA

Nucleotide

>BosEXPA-15

AAATTTTTTGCCTTTCATTTTAGGGAACAAATTTAAAGCCATTGTATTCATTATA
TATATGAGATCTTATGCAATAATAAGACTTGGCTTTTCAGGTAGAGAAAACAAGA
GTAGGAGCCCTCAAGAAAACAGAGTAAGAAATGGATCAAATTTGTTTAGCAAG
TGCTTGGTTATTTTATCAATGATGACGATGATCGGAACATCAACGGCAACATATG
CCGGTACCCCATGGCGTACAGCCTCAGCCACTTTTTACGGTGACGAGACCGCCAG

CGCAACTATGGGTAAAGTTCATATACTTCTACAATCTATTGTACATAGAACACAA
ACTATATATGACTCGATTATGGACTACATTGCATTTTATTTGACACGATCGTTTGT
TTGCGTTTTTCGTCGTAACATAAAAATGCAAACGCGAAGAAACAATAATGGCTTAT
ATATAATATATGAATCTTTTGAAGAACATTACATGTATTGACAATTTTTTAAACATG
ACCATGATATACATCGATCAGGTGGGGCTTGTGGTTATGGTAACTTGTGGGACAG
CGGATACGGTGTAGCCACGACTGCGCTGAGCACAGCGCTGTTCAACGACGGTTAC
TCATGCGGTCAATGTTTCCAGATAAGGTGTGTGTCTCGCCTAACTGCTACTACGG
TTCACCAGCCACAGTGGTGACTGCAACCAACATATGTCCACCAATTATGGCCAA
GCTTCCAACAATGGTGGATGGTGTAAATCCGCCACGAGTCCATTTTGATTTGGCTA
AACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATCATCCCGGTTTCATA
CCGCAGGTAATATCCACTAGACAAATATAATTATATATATAGATACGTATACTAT
ATAGTGTGATTATACTGTTACAGTTTCCTATTTTTTTTTTAAATGTGTATATATAT
ACAAGGACTAACGTTTTATGTGCAAATGGCTTATCTAACCATAGTGAATTATATA
TATTTATATTCAAATATTTGTAAATGAGATCTTGTTTGAATGCGTACCATTTGCAC
ATGCTAAAATACGATTATGTCGATATATATATGTAGAGTGGCATGTAAGAAGAGC
GGAGGAATAAGGTTCAAATTTGAAGGAAATGGGTATTGGCTACTTGTGTACGTCA
TGAACGTAGGTGGTGCAGGTGACATCAAGACCATGGCCGTTAAAGGTAGCCGCA
CGAACTGGATCAACATGAGCCATAATTGGGGAGCTTCGTACCAAGCTTTCTCGTC
TCTTTATGGTCAGTCTCTCTCGTTCCGAGTCACCTCTTACACCACTCGTCAGACCA
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CAAGGCTAATTCAGCTGATTTAGATCATATTCAATTCGGAACCGGTTATTTGAAT
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AATCAATAAC