

IDENTIFICATION

Species: *Setaria italica*

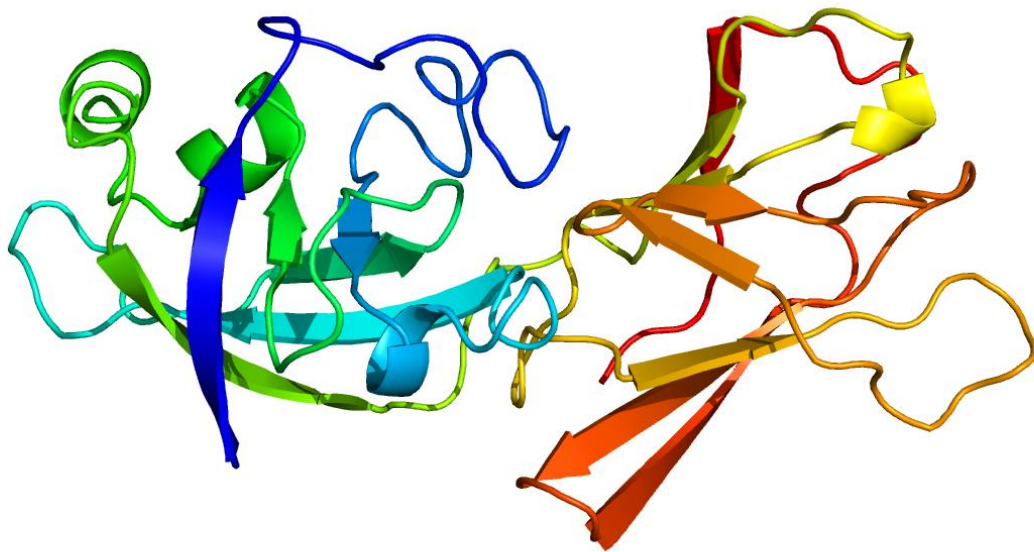
Locus: Seita.9G551900

Gene Model: Seita.9G551900.1.p

Description: SitEXLA-05

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

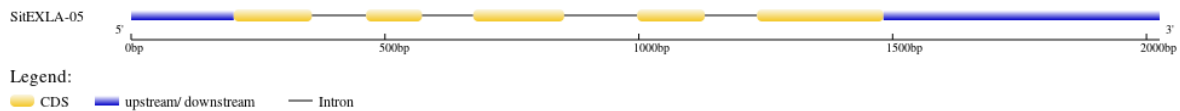
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2

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

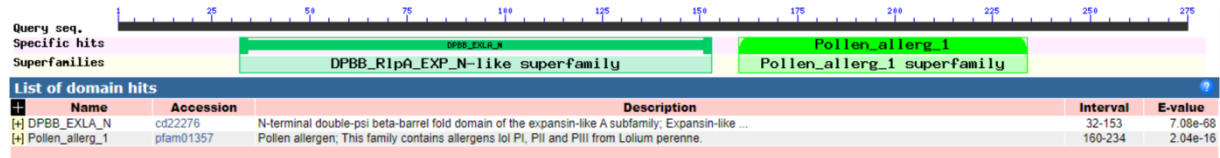
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SitEXLA-05

MREMAVPVRLASASSLSLLLLVLLPLLASACDRCVHHSKAAYYASLTLGGSCGY
GAEAASMGGGFLAAASPALYRAGVVGCGACFQVRCKDRKLC AAGARVVVTDRAR
TNRTDLVLSSPAFAAMARPGMAARLAKRRTVDVEYKRVPCYKHRNLSVRVEEKSR
APSELTIRFLYQGGQTDIVAVDVAQVGSNWKFMTRDYGPAWSTSQAPPGLQLRV
VVTGGYD GKWVWADREVLPRRW RAGEVYDTGVQIADIAQEGCFPCDTHEWE*

CDS (coding sequence)

>SitEXLA-05

ATGAGGGAGATGGCCGTCCCTGTCCGCCTCGCCTCCGCTTCCTCCTCCCTTTTCGCT
CCTCCTCCTCGTCCTGCTCCCGCTCCTCGCCTCCGCCTGCGACCGCTGCGTCCACC
ACTCCAAGGCCGCTACTACGCCTCCTCCCTCACCCTCGCCGGCGGCTCCTGCGG
GTACGGCGCCGAGGCGGCGTCCATGGGCGGCGGCTTCCTCGCCGCGGCGAGCCC
CGCGCTGTACCGGGCCGGCGTCCGCTGCGGCGCCTGCTTCCAGGTCCGGTGCAAG
GACAGGAAGCTGTGCGCGGCGGCGGGCGCCAGGGTGGTGGTCACGGACCGCGCC
AGGACCAACCGCACCGACCTCGTCCTCAGCAGCCCCGCGTTCGCCGCCATGGCGC
GACCCGGCATGGCCGCGCGCCTCGCCAAGCGCCGCACCGTCGATGTCGAGTACA
AGAGGGTGCCGTGCGAGTACAAGCACCGGAACCTCTCGGTGAGGGTGGAGGAGA
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CTGACATCGTGGCCGTCGACGTCGCACAGGTCGGTTCGTCCA ACTGGAAGTTCAT
GACGCGCGACTACGGCCCCGGCGTGGAGCACGAGCCAGGCGCCGCCGGGGCCGCT
GCAGCTCAGGGTGGTGGTGACCGGCGGGTACGACGGCAAGTGGGTCTGGGCCGA
CCGCGAGGTCCTCCCGCGGCGGTGGCGCGCCGGCGAGGTCTACGACACGGGTGT
CCAGATCGCTGACATCGCCAGGAGGGCTGCTTCCCCTGCGACACGCACGAGTGG
GAGTGA

Nucleotide

>SitEXLA-05

TACAGCGAGGAGCGTGCCTTCTGCGACCTCAGCTGACCTCAGCTCAGCACAAGGA
CAAGGGAGGGGCGCGTTGCTGTGTGACTGTGTGCCTAGTGCCTGGGATGGTGTA
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CCGCACCGTCGATGTCGAGTACAAGAGGTGGGTGGGTAAAGTAAAACACAATCC
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