

IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os03g21820

Gene Model: LOC_Os03g21820.1

Description: OstEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

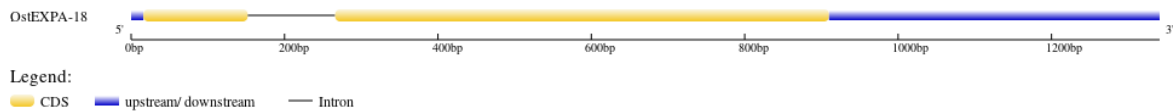
Phytozome: https://phytozome-next.jgi.doe.gov/info/Osativa_v7_0

KEGG: <https://www.genome.jp/entry/T01015>

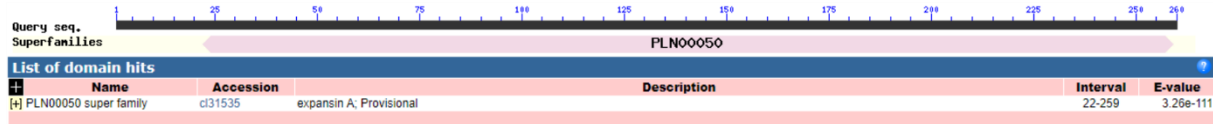
EXTERNAL RESOURCES

<http://rice.uga.edu/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-18

MAPPLLLLLASLLLVAARRALGLGLGQWQPGHATFYGGGDASGTMGGACGYGNLY
SQGYGTSTAALSTALFNRLSCGSCYELRCAGDHRRSCLPGGATVTVTATNFCPPNY
ALPSDGGGWCNPPRRHFDLAEP AFLRIARHAAGIVPVSFRRVACARKGGVRFVTVNGH
AYFNLVLVTNVGGAGDVRSLAVKGS GSGSRVGGRWQPMSRNWGQNWQSNAYLDG
KALSFRVTAGDGRSLTCADVAPAGWQFGQTFEGRQF*

CDS (coding sequence)

>OstEXPA-18

ATGGCGCCACCCCTGCTCCTCCTCGCTTCTCTCCTCCTCGTCGCAGCGCGGCG
AGCCCTCGGCCTCGGCCTCGGCCAGTGGCAGCCCGGCCACGCCACGTTCTACGGC
GGCGGCGACGCTCCGGCACGATGGGTGGCGCGTGCGGGTACGGGAACCTGTAC
AGCCAGGGGTACGGCACGAGCACGGCGGCGCTGAGCACGGCGCTGTTCAACAGG
GGCCTGAGCTGCGGCTCCTGCTACGAGCTCCGGTGC GCGGGCGACCACCGCCGGT
CGTGCCTCCCCGGCGGCGCCACCGTGACGGTGACGGCGACCAACTTCTGCCCCCC
GAACTACGCGCTCCCGAGCGACGGCGGCGGCTGGTGCAACCCACCGCGGCGGCA
CTTCGACCTCGCCGAGCCGGCGTTCCTCCGCATCGCGCGGCACGCCGCCGGGATC
GTCCCGGTCTCCTTCCGCCGCGTGGCGTGCGCCAGGAAGGGCGGCGTCAGGTTC A
CCGTCAACGGCCACGCCTACTTCAACCTGGTGCTCGTCACCAACGTCGGCGGCGC
CGGCGACGTGCGCTCCCTCGCCGTGAAGGGGTCCGGGTCCGGGTCCGCGCGTGGG
GGGGCGGTGGCAGCCGATGTCGCGCAACTGGGGGCAGAACTGGCAGAGCAACGC
GTACCTCGACGGCAAGGCGCTCTCCTTCCGCGTACCCGCCGGCGACGGCCGCTCC
CTCACCTGCGCCGACGTGGCGCCC GCCGGCTGGCAGTTCGGCCAGACCTTCGAGG
GCAGGCAGTTCTAG

Nucleotide

>OstEXPA-18

GCACCAAAC TACCCCAATGGCGCCACCCCTGCTCCTCCTCGCTTCTCTCCTCC
TCGTTCGAGCGCGGCGAGCCCTCGGCCTCGGCCTCGGCCAGTGGCAGCCCGGCCA
CGCCACGTTCTACGGCGGCGGCGACGCTCCGGCACGATGGGTACGCACTGGCGC
AACTGACACTGACAGTCTGACACAGATGGCGGCTTAGCTTACCTATGATGTCGC
CGCTCATGGCGCCGCCGCCGCGCGCGGCGGCTTGTTCGGTGCAGGTGGCGCGTG

CGGGTACGGGAACCTGTACAGCCAGGGGTACGGCACGAGCACGGCGGGCGCTGAG
CACGGCGCTGTTCAACAGGGGCCTGAGCTGCGGCTCCTGCTACGAGCTCCGGTGC
GCGGGCGACCACCGCCGGTCGTGCCTCCCCGGCGGGCGCCACCGTGACGGTGACG
GCGACCAACTTCTGCCCCCGAACTACGCGCTCCCGAGCGACGGCGGGCGGCTGGT
GCAACCCACCGCGGGCGGCACTTCGACCTCGCCGAGCCGGCGTTCCCTCCGCATCGC
GCGGCACGCCGCCGGGATCGTCCCGGTCTCCTTCCGCCGCGTGGCGTGCGCCAGG
AAGGGCGGGCGTCAGGTTACCGTCAACGGCCACGCCTACTTCAACCTGGTGCTCG
TCACCAACGTCGGCGGGCGCCGGCGACGTGCGCTCCCTCGCCGTGAAGGGGTCGG
GGTCCGGGTCGCGCGTGGGGGGGGCGGTGGCAGCCGATGTCGCGCAACTGGGGGC
AGAACTGGCAGAGCAACGCGTACCTCGACGGCAAGGCGCTCTCCTCCGCGTCAC
CGCCGGCGACGGCCGCTCCCTCACCTGCGCCGACGTGGCGCCCCGCCGGCTGGCAG
TTCGGCCAGACCTTCGAGGGCAGGCAGTTCTAGATTAGTTTAGCCAAGAGGATTA
TTATCTCTTAATTCTTACTAGTATCTTTTGAGTTTAATTGCACACCCAATCGGTGTT
TAGTGAGGTCTAGTCGTCTAGTAGATGCTGAGGTTGCTGTGGCTCCTGCAAGAGA
AGGCAAGGCATTTTCGCGCCCGCGTGTGTCAGAGGCCGGATGGTTTGCAGTTTGCTGC
TCTGCTCTTAGTTCAGATTTGTACAGGGCATGTGGCATGAGTAAATGAGTTGATT
AGTTAGGTCCAGAGAGTGGCTGGCTATAGTGCGAGCGGTGATCGGTGAGCCAGC
CTCTCTGAAAAAGAGTGAGCTGTCTGTACAAATGCAGTTGCTTGTTTGCTACTCAC
TCCATTTAAAATATAGCAATTTATATTATTCTAAAATATAGTAAATTATCAATCA
TAATCATCTCTAATTTATTTA