

IDENTIFICATION

Species: *Oryza sativa*

Locus: LOC_Os08g44790

Gene Model: LOC_Os08g44790.1

Description: OstEXPA-30

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>

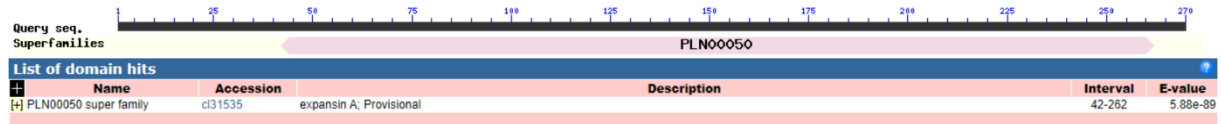
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>OstEXPA-30

MWCTWALGRVVLAVVFLVALAAGDAAPPKVHRNHGKFTAGPWKQAHATFYGGR
DGSGLDLDGACGYKDTSKEGYGVQTVAVSTPLFGAGAGCGACYEVKCVDSPDGCKV
GAAPLVVTATNLCPPNPGQSNNDGGWCNPPREHFDLSMPAFLQIAQEKAGIVPISYRR
VPCVKVGGIRYTTIGNPYFNLVMVSNVGGAGDVAGLSVKGNKRVKWTPLKRNWGG
EWQTSEVLTGESLTFRVMTGDHRKATSWHVLPPDWQFGVITYQATKNFN*

CDS (coding sequence)

>OstEXPA-30

ATGTGGTGTACGTGGGCGTTGGGGCGGGTGGTGTGGCGGTGGTGTTCCTGGTTG
CGTTGGCTGCCGGCGATGCAGCGCCGCCAAGGTTACCGGAACCACGGCAAGTT
CACGGCGGGGCCATGGAAGCAGGCGCACGCGACGTTCTACGGCGGGCGCGACGG
GTCCGGCACGCTGGACGGCGCGTGCGGGTACAAGGACACGTCCAAGGAAGGCTA
CGGCGTGACAGCGGTGGCGGTGAGCACGCCGCTGTTTCGGCGCCGGCGCCGGCTG
CGGCGCCTGCTACGAGGTCAAGTGCCTGGACAGCCCCGACGGTTGCAAGGTCCG
CGCCGCCCCCTTGGTCGTCACCGCCACCAACCTCTGCCCCCAACCCCGGCCAG
TCCAACGACAACGGCGGCTGGTGAACCCGCCGCGGAGCACTTTGACCTCTCCA
TGCCGGCCTTTCTGCAGATCGCGCAGGAGAAGGCCGGCATCGTGCCCATATCGTA
CAGACGGGTGCCGTGTGTGAAGGTGGGTGGGATCAGGTACACGATAACCGGGAA
CCCGTACTTCAACCTGGTGTGTCGAACGTGGGCGGGGCGGGTGACGTGGCA
GGGCTATCGGTGAAGGGGAACAAGAGGGTGAAGTGGACTCCGCTGAAGCGCAAC
TGGGGGCAGGAGTGGCAGACGTCGGAGGTCTCACCGGAGAGTCGCTGACGTTC
AGGGTGATGACCGGCGACCACCGCAAGGCCACCTCCTGGCACGTCTCCCCCGG
ACTGGCAGTTCGGCGTCACCTACCAGGCTACCAAGAAGTCAACTAA

Nucleotide

>OstEXPA-30

GGAAATCTAATCCCCCGCAGCTACTAATTACTACTAACC GTTAAAAGTAGCCGCC
GGTTAATATTCGATCGATCGATCATGTGGTGTACGTGGGCGTTGGGGCGGGTGGT
GTTGGCGGTGGTGTTCCTGGTTGCGTTGGCTGCCGGCGATGCAGCGCCGCCAAG
GTTACCGGAACCACGGCAAGTTCACGGCGGGGCCATGGAAGCAGGCGCACGCG
ACGTTCTACGGCGGGCGCGACGGGTCCGGCACGCTGGACGGCGCGTGCGGGTAC

AAGGACACGTCCAAGGAAGGCTACGGCGTGCAGACGGTGGCGGTGAGCACGCCG
CTGTTTCGGCGCCGGCGCCGGCTGCGGCGCCTGCTACGAGGTCAAGTGCGTGGACA
GCCCCGACGGTTGCAAGGTCGGCGCCGCCCTTGGTCGTCACCGCCACCAACCT
CTGCCCCCCAACCCCGGCCAGTCCAACGACAACGGCGGCTGGTGCAACCCGCCG
CGCGAGCACTTTGACCTCTCCATGCCGGCCTTTCTGCAGATCGCGCAGGAGAAGG
CCGGCATCGTGCCCATATCGTACAGACGGTACGGTCAATTAGTGATATATATATT
GTTCGTCTTTTCTCATCAGCTTAAGCTAATATATTATATGGAATGTAGGGTGCCGT
GTGTGAAGGTGGGTGGGATCAGGTACACGATAACCGGGAACCCGTACTTCAACC
TGGTGATGGTGTCGAACGTGGGCGGGGCGGGTGACGTGGCAGGGCTATCGGTGA
AGGGGAACAAGAGGGTGAAGTGGACTCCGCTGAAGCGCAACTGGGGGCAGGAG
TGGCAGACGTCGGAGGTCCTCACCGGAGAGTCGCTGACGTTACAGGGTGATGACC
GGCGACCACCGCAAGGCCACCTCCTGGCACGTCCTCCCCCGACTGGCAGTTCG
GCGTCACCTACCAGGCTACCAAGA ACTTCAACTAATTCTTATCAATCATGCCAAC
CCAACCCAACCAACAGCAAAATATGAAGGCTCTCTTACATGCATGAATGCTGAC
TACTGCAAATCTGGATCGAACCGATGATGATCATACTAGCTACAAATGTATATAT
GTGTTAACGAGGTGAAAGGAAAGCGAAGAAATTTAATTTGTGCATGAAAATAAA
AAGGATCTGTTTCATACAAA