

IDENTIFICATION

Species: *Arabidopsis thaliana*

Locus: AT5G05290

Gene Model: AT5G05290.1

Description: AtEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

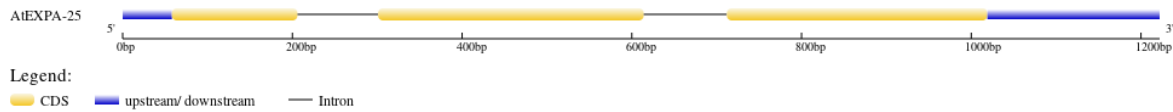
TAIR: <https://www.arabidopsis.org/>

KEGG: <https://www.genome.jp/entry/T00041>

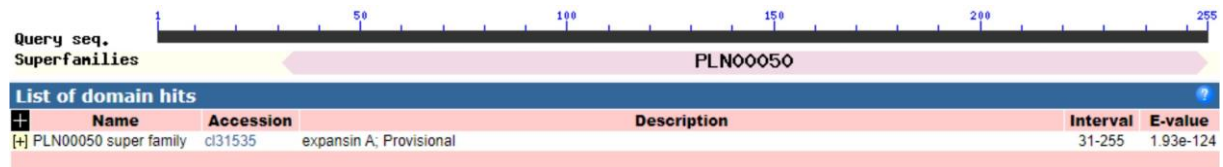
EXTERNAL RESOURCES

<https://www.gabipd.org/database/cgi-bin/GreenCards.pl.cgi?Mode=Show&QueryKey=197c0ef939ecd1d29302d8a4a92c1bc3&x.Overview=1&Start=1>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtEXPA-25

MNLTEYSHILFLSLCTLNFCLYSINSDDNNGWVERGHATFYGGADASGTMGGACGYG
NLHSQGYGLQTAALSTALFNSGQKCGACFELQCEDDPEWCIPGSIIVSATNFCPPNFA
LANDNGGWCNPPLKHFDLAEP AFLQIAQYRAGIVPVAFRRVPCKEGGGIRFTINGNPY
FDLVLITNVGGAGDIRAVSLKGSKTDQWQMSRNWQNWQSN TYLRGQSLSFQVT
DSDGRTVVSYDVVPHDWQFGQTFEGGQF

CDS (coding hits sequence)

>AtEXPA-25

ATGAATCTTACAGAATATTCCCATATTTTGTTCCTTCACTATGCACCCTCAACTTC
TGCTTGTACTCCATAAACTCCGACGACAACGGAGGCTGGGAGAGAGGCCATGCT
ACCTTCTATGGTGGAGCTGATGCATCCGGCACAATGGGTGGTGCTTGTGGGTACG
GTAACCTACACAGCCAAGGCTATGGGCTACAAACCGCGGCTTTGAGCACGGCTTT
GTTCAATAGTGGGCAGAAATGTGGGGCCTGCTTTGAGCTACAGTGTGAGGATGAT
CCTGAGTGGTGCATCCCTGGTTCATCATCGTCTCGGCTACAAACTTCTGTCCCTCC
AACTTTGCCTTAGCTAATGATAATGGTGGTTGGTGCAATCCTCCTCTTAAGCACT
TTGACTTGGCCGAGCCTGCCTTCCTCCAGATCGCTCAGTACCGAGCTGGGATCGTT
CCTGTTCGATT CAGAAGGGTTCCATGTGAGAAAGGTGGAGGGATAAGGTTTACG
ATAAACGGGAATCCATATTTTCGACCTCGTGCTAATCACGAATGTGGGTGGTGCTG
GAGATATAAGGGCCGTCTCTTTGAAAGGCTCAAAGACAGATCAGTGGCAATCCAT
GTCAAGAACTGGGGACAGAATTGGCAAAGCAACTTACCTCAGAGGTCAAAG
CCTTTCTTTCCAAGTCACTGATAGTGATGGTCCGACTGTTGTGAGCTACGATGTTG
TGCCTCATGATTGGCAGTTCGGTCAGACTTTTGAAGGCGGACAATTTTAG

Nucleotide

>AtEXPA-25

ACTACTCATCCCCTTTTCCACTTCTTACTTCCTCCTCTTTAGCCCATCAGCAAATAT
CATGAATCTTACAGAATATTCCCATATTTTGTTCCTTTCACTATGCACCCTCAACTT
CTGCTTGTACTCCATAAACTCCGACGACAACGGAGGCTGGGAGAGAGGCCATGCT
ACCTTCTATGGTGGAGCTGATGCATCCGGCACAATGGGTACTTCAAACATACCTT
TTTCTTCATTGCACACACATAATTAATCATAACAAATGGATATACTTTTAAACAGT
CAAGTATTGATGTTTTTTTAGGTGGTGCTTGTGGGTACGGTAACTTACACAGCCAA
GGCTATGGGCTACAAACCGCGGCTTTGAGCACGGCTTTGTTCAATAGTGGGCAGA
AATGTGGGGCCTGCTTTGAGCTACAGTGTGAGGATGATCCTGAGTGGTGCATCCC
TGGTTCCATCATCGTCTCGGCTACAAACTTCTGTCCTCCAAACTTTGCCTTAGCTA
ATGATAATGGTGGTTGGTGCAATCCTCCTCTTAAGCACTTTGACTTGGCCGAGCCT
GCCTTCCTCCAGATCGCTCAGTACCGAGCTGGGATCGTTCCTGTCGCATTGAGAA
GGTAAAAACAATTCTATATACGGTTCCTTAGTTGTCTTTTTTAGTATACGTTTTTTT
AAAGACTCTAACGTACCATTTTCTGTCCTCTAATAATGATAGGGTTCCATGTGAG
AAAGGTGGAGGGATAAAGTTTACGATAAACGGGAATCCATATTTGACCTCGTGC
TAATCACGAATGTGGGTGGTGCTGGAGATATAAGGGCCGTCTCTTTGAAAGGCTC
AAAGACAGATCAGTGGCAATCCATGTCAAGAACTGGGGACAGAATTGGCAAAG
CAACTTACCTCAGAGGTCAAAGCCTTTCTTTCCAAGTCACTGATAGTGATGGT
CGGACTGTTGTGAGCTACGATGTTGTGCCTCATGATTGGCAGTTCGGTCAGACTTT
TGAAGGCGGACAATTTTAGATTTATGATCAAGTGAACTAATAGACGTTATATCC
AAGAAAAGTCAATGATTGTGTTTAAGATAAAACTCTGCTTTTCATTGATCATAAC
CACTCTTCGATATATAATAGTCATAAGAAAGAAATACAATGAAACAATTAATTTT
GTTTGGAGATCATTTTGTATTCTTCGCATATCCTCGCTTAGTACAAAAGGTATCTC
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