

Camelina Fad2 sequences

Written by nguyen

Thursday, 29 April 2010 20:36 - Last Updated Thursday, 29 April 2010 20:45

Camelina Fad2mRNA

GAGAGAGAGAAGGAGCCACCACATACACCAATTCCTTCAACAACAAAAAAAAAAGAGAGAG
AGAGAGAGAGAGAGGTTCTTT

CTGCGGAGGAGCTTCTTCCTCGTAGGGGGTTTCTTCTTCTTCATCGTTTTTAACGAACCAT
CGTTAAGTCGAATCTCCCCCCC

CCCTACGTCAGCTCCAGAATC**ATG**GGTGCAGGTGGAAGAATGCCAGTTCCTTCTTCTTCTT
CCAAGAAATCTGAAACCGATGC

CATAAAGCGTGTGCCCTGCGAGAAACCACCGTTCACGCTGGGAGATCTGAAGAAAGCAAT
CCCACCGCAGTGTTTCAAACGCT

CTATCCCTCGCTCTTTCTCCTACCTTATCACTGACATCATTATTGCCTCCTGCTTCTACTAC
GTCGCCACGAATTACTTTTCTC

TCCTCCCTCAGCCTCTCTCTTACTTGGCTTGGCCCCTCTATTGGGCTTGTCAAGGCTGTGT
CCTAACCGGTGTCTGGGTCATAG

CCCACGAATGCGGTCACCACGCATTCAGCGACTACCAGTGGCTCGATGACACAGTCGGTC

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TTATCTTCCATTCTTCCTTCTCG

TCCCTTACTTCTCCTGGAAGTACAGTCATCGCCGTCACCATTCCAACACAGGATCCCTCGA
AAGAGATGAAGTATTTGTCCCAA

AGCAGAAGTCCGCTATCAAGTGGTATGGCAAATACCTCAACAACCCTGCTGGACGCATCAT
GATGTTGACCGTCCAGTTTGTCC

TCGGGTGGCCCTTGTA CT TGGCCTTTAACGTCTCCGGCAGACCATACGACGGGTTCGCTT
GCCATTTCTTCCCCAACGCTCCCAT

CTACAACGACCGTGAACGCCTCCAGATATATCTCTCTGATGCCGGTATTCTAGCAGTCTGT
TTTGGGCTTTACCGTTACGCCGCT

GCACAAGGATTGGCCTCGATGATCTGCCTCTACGGAGTACCACTTCTGATAGTGAACGCG
TTCCTCGTCTTGATCACTTACTTGC

AGCACACTCATCCTGCGTTGCCTCACTACGATTCATCCGAGTGGGATTGGCTTAGGGGAG
CTTTGGCTACCGTAGACAGAGACTA

TGGAATCTTGAATAAGGTGTTCCACAACATCACGGACACACATGTGGCTCATCATCTGTTC
TCGACAATGCCGCATTATAATGCG

ATGGAAGCTACAAAGGCGATAAAGCCAATACTCGGTGACTATTACCAGTTCGACGGAAACAC
CATGGTATGTGGCCATGTATAGG

GAGGCAAAGGAGTGTATCTATGTAGAACCGGACAGGGAAGGTGACAAGAAAGGTGTGTAC
TGGTACAACAATAAGTTAT**GA**GG

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ATGATGGTGAAAGAACAACACTGAAGAAATTGTCGATCTTTCTCTAGTCTGGTTCTCTTTTGTTT
AAGAAGTTATGTTTTGTTTCA

ATAATTTCAAGTGTCCATTTTGTTGTGTTATGACATTTTGGCAAATTATGTGATGTGGGAAGTT
AGTGTTCAAATGTTTTGTGT

CTGTATTGTTCTTCTCATCGCTGTTTTGTTGGGATC

Camelina Fad2 CDS

ATGGGTGCAGGTGGAAGAATGCCAGTTCCTTCTTCTTCTTCCAAGAAATCTGAAACCGATG
CCATAAAGCGTGTGCC

CTGCGAGAAACCACCGTTCACGCTGGGAGATCTGAAGAAAGCAATCCCACCGCAGTGTTT
CAAACGCTCTATCCCTCG

CTCTTTCTCCTACCTTATCACTGACATCATTATTGCCTCCTGCTTCTACTACGTGCGCCACGA
ATTACTTTTCTCTCCT

CCCTCAGCCTCTCTCTTACTTGGCTTGGCCCCTCTATTGGGCTTGTCAAGGCTGTGTCCTA
ACCGGTGTCTGGGTCAT

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AGCCCACGAATGCGGTCACCACGCATTCAGCGACTACCAGTGGCTCGATGACACAGTCGG
TCTTATCTTCCATTCCTT

CCTTCTCGTCCCTTACTTCTCCTGGAAGTACAGTCATCGCCGTCACCATTCCAACACAGGA
TCCCTCGAAAGAGATGA

AGTATTTGTCCCAAAGCAGAAGTCCGCTATCAAGTGGTATGGCAAATACCTCAACAACCT
GCTGGACGCATCATGA

TGTTGACCGTCCAGTTTGTCTCGGGTGGCCCTTGTA CTTGGCCTTTAACGTCTCCGGCAG
ACCATACGACGGGTTCG

CTTGCCATTTCTTCCCCAACGCTCCCATCTACAACGACCGTGAACGCCTCCAGATATATCT
CTCTGATGCCGGTATTCT

AGCAGTCTGTTTTGGGCTTTACCGTTACGCCGCTGCACAAGGATTGGCCTCGATGATCTGC
CTCTACGGAGTACCACT

TCTGATAGTGAACGCGTTCCTCGTCTTGATCACTTACTTGCAGCACACTCATCCTGCGTTG
CCTCACTACGATTCATC

CGAGTGGGATTGGCTTAGGGGAGCTTTGGCTACCGTAGACAGAGACTATGGAATCTTGAA
TAAGGTGTTCCACAACA

TCACGGACACACATGTGGCTCATCATCTGTTCTCGACAATGCCGCATTATAATGCGATGGA
AGCTACAAAGGCGATAA

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AGCCAATACTCGGTGACTATTACCAGTTCGACGGAACACCATGGTATGTGGCCATGTATAG
GGAGGCAAAGGAGTGT

ATCTATGTAGAACCGGACAGGGAAGGTGACAAGAAAGGTGTGTACTGGTACAACAATAAGT
TATGA

Camelina Fad2- protein

MGAGGRMPVPSSSSKKSETDAIKRVPCEKPPFTLGDLKKAIPPQCCKRSIPRSFSYLITDIIASC
FYYVATNYFSLLPQPLSYLA

WPLYWACQGCVLTGVWVIAHECGHHAFSDYQWLDDTVGLIFHSFLLVPYFSWKYSHRRHHS
NTGSLERDEVFVPKQKSA

IKWYGKYLNNPAGRIMMLTVQFVLGWPLYLAFNVSGRPYDGFACHFFPNAPIYNDRERLQIYLS
DAGILAVCFGLYRYAAQ

GLASMICLYGVPLLIVNAFLVLITYLQHHPALPHYDSSEWDWLRGALATVDRDYGILNKVFHNI
TDTHVAHHLFSTMPHYN

AMEATKAIKPILGDYYQFDGTPWYVAMYREAKECIYVEPDREGDKKGVYWYNNKL*

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Compare with Arabidopsis Fad2

[Click here for protein align](#)

[Click here for mRNA align](#)

Source: www.camelinagene.org