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Nucleotide

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Synthetic construct FT_C_m gene, complete cds

GenBank: MH043109.1

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LOCUS MH043109 888 bp DNA linear SYN 28-APR-2018

DEFINITION Synthetic construct FT_C_m gene, complete cds.

ACCESSION MH043109

VERSION MH043109.1

KEYWORDS .

SOURCE synthetic construct

ORGANISM [synthetic construct](#)

other sequences; artificial sequences.

REFERENCE 1 (bases 1 to 888)

AUTHORS Larue,C.T.

TITLE Development of Robust FOP and Synthetic Auxin Herbicide Tolerance Traits for GE Crops

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 888)

AUTHORS Larue,C.T.

TITLE Direct Submission

JOURNAL Submitted (12-MAR-2018) CV, Monsanto Company, 700 Chesterfield PKWY W, Chesterfield, MO 63017, USA

COMMENT ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

FEATURES

Location/Qualifiers

source

1..888

/organism="synthetic construct"

/mol_type="other DNA"

/db_xref="taxon:32630"

/note="plant monocot optimized sequence"

[CDS](#)

1..888

/note="FeII and alpha-ketoglutarate-dependent FOPs and 2,4-D dioxygenase"

/codon_start=1

/transl_table=11

/product="FT_C_m"

/protein_id="AWB36293.1"

/translation="MHAALTPLTNKYRFIDVQPLTGVLGAEITGVDLREPLDDSTWNE ILDAFHTYQVIYFPGQAITNEQHIAFSRRFGPVDPVPLKLSIEGYPEVQMIRREANES GRVIGDDWHTDSTFLDAPPAAVVMRAIEVPEYGGDTGFLSMYSAWETLSPTMQATIEG LNVVHSATKVFGSLYQATNWRFSNTSVKVMVDVADGRETIVHPLVVTHPVTGRRALYCN QVYQCIQGMTDAESKSLQFLYEATKFDFTCRVRWKKDQVLVWDNLCTMHRVAPDY AGKFRYLTRTTVAGDKPSR"

ORIGIN

1 atgcacgcgg cgctgactcc tctcaccaac aagtatcgct ttatcgacgt gcagccgctg

61 acaggcgctcc tcggtgcaga gattacaggc gtggatctgc gggagcctct ccatgacagc

121 acttggaaatg agatcctgga cgcctttcac acctaccaag tgatctactt tccgggtcaa

181 gctatcacta acgagcagca catcgcttc tcccgccggt tcggccctgt ggacccggtg

241 ccgctgttaa agagtatcga gggctatcca gaggtgcaga tgatacggcg cgaggcgaac

301 gagagcggcc gggtgatcgg agatgactgg cacaccgatt ccaccttctt ggacgtctcg

361 cctgccgcgcg tgggtgatgag agctatcgaa gtgccggagt atggagggtga cacaggcttc

421 ctctccatgt acagtgcctg ggagacactc tcgcctcaga tgcaagctac catcgaaggc

481 ttaaactgtg tccactcggc gacgaaggtc ttcgggtcat tgtaccaggc gactaattgg

541 cgcttctcga acaccagcgt gaaagtgatg gacgtggacg ccggagatag agagactgtg

601 caccactcgc tcgtgacgca tcctgttacg ggaaggcgcg cactctactg caaccagggtg

661 tactgacaga agatccaggg aatgacggac gcggagtcga agtccctgtt gcaattcctt

Synthetic construct FT_C_m gene, complete cds - Nucleotide - NCBI

721 tacgagcacg ccaccaagtt cgacttcacc tgccgggtcc ggtggaagaa ggaccaagtc
781 ctggtgtggg acaacctgtg taccatgcac cgcgccgtcc cggactacgc tgggaaattc
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