http://www.vcru.wisc.edu/simonlab/sdata/MK000049.pdf

MK000049=NCED2

Marker: NCED2
Type: SNP
Description: 9-cis –epoxycarotenoid dioxygenase
Reference: ① Brian Just Ph.D. Thesis, Table 2.1 ② Theor Appl Genet (2007) 114:693-704
Primers: NCED2-F2 .....5'-ggtggatcaccagtggtgtatgac-3'
NCED2?-R1 .....5'-gcattaacgatctgaagctccgac-3'
PCR Reaction:
PCR Program: Annealing temperature 56°C
Screening Method: SNP detected by sequencing of PCR product
Product Sizes: 0.6kb
Example:
Genbank reference: DQ192201
Sequence Information: >NCED2Final (269) Both primers are in cDNA sequence, 584 b.p. in cDNA

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AAGCAGTGGTATCAACCCAGAGTACGCGGGATCACTCCACCTACAATAACACCACTCTAGTCTCTCTTATTCTCTCTGTCTTTTC
ACACTCAAAACATAAACACACACACATACCATGGCCACTTATGCTACTTGGGCTAAACCAAAAATTCTAACTTCTTGTCCACAAA
GAGAAGTAAAATCACAAAAGGCCTACAGAAAAAACAATGTAAATTGTAGTTTGCAGTCTCCTTCTATACTTCATTTCCCCAAACA
ATCACCACACATATATCAAACACCTTGTGTTCCAACCACCATTGCACAGCCAAAACATCAAGATTCTTCGTCGAGTAATCAATGG
AATTTCCTACAGAAAGCAGCTTCGATGGCCTTAGATGCCGTTGAAAATGTGATTGCTGCGCGAGAAAAAGAACACCCTCTGCCAA
AAACAGCTGACCCTCAAGTCCAAATTGCCGGAAACTTCGCTCCTGTCCCAGAACAGCCTGTTCGCCACCGCCTCCCAGTCACCGG
AAAGATACCTGAATGTATTTCCGGAGTCTATGTTCGAAACGGGGCCAACCCCCATTTGGAACCCACTGCAGGGCATCATTTTTTC
GACGGAGATGGGATGGTTCATGCTGTCCAATTCAAAGAGGGGGCTGCTAGCTACGCTTGCAGGTTCACTGAAACAGAAAGACTCA
TCCAGGAGCGTAATTTGGGGAAGCCTGTTTTCCCCAAAGCCATTGGGGAGCTTCATGGCCACTCAGGGATTGCTAGGCTTGCTTT
GTTTTACGCTCGCGGCTTGTTTGGCCTTGTTGATCATTCTCAGGGCACTGGCGTGGCCAACGCGGGCTTGGTTTATTTTAATAAC
CGATTGTTAGCTATGTCTGAAGATGACTTGCCTTATCATGTGGAGATCACTTCTTCGGGTGATCTTAAAACTGTTGGGAGGTACA
ATTTTGATGGCCAGTTGGATACCACGATGATTGCTCACCCCAAAATTGATCCGGATACTAAGGAGCTCATTGCTTTGAGTTATAA
TGTGATTCAGAAGCCTTATTTGAAGTACTTTCGGGTTTCACCTGATGGAGTCAAGTCGGATGATGTTGATATTGAATTGGCTGAC
CCGACTATGATGCATGATTTTGCAATTACGGAGAATTTTGTGGTCATTCCTGACCAGCAAGTGGTGTTCAAGATTTCGGAAATGA
TACAAGGTGGATCACCAGTGGTGTATGACAAGAATAAAGTGTCGCGTTTTGGTGTTTTGGACAAGTATGCGAAAGATGGGTCTGG
AATTAAGTGGGTTGAGGTTCCGGATTGTTTCTGTTTTCATTTGTGGAATGCTTGGGAAGATGAAGAAAGTGATGAAATTGTGGTG
ATTGGCTCTTGTATGACTCCAGCTGATTCTATTTTTAATGAATGTGATGAAGGATTACAGAGTGTTCTGTCTGAAATTAGGCTCA
ATTTGAAGACAGGAAAATCAACACGAAAGCCAATTATGTCATCGGAGGATCAAGTGAATCTGGAGGCAGGGATGGTGAACAAAAA
CAAGCTGGGAAGAAAAACCCAGTTTGCTTATTTGGCCATTGCTGAGCCTTGGCCTAAAGTTTCTGGTTTTGCGAAAGTTGATCTC
TTCACTGGTCAAGTCCAGAAGTTCTTTTACGGGGATCATAAGTATGGAGGTGAGCCTCTTTTTCTCCCAAAAAACCCGAATTCTG
AGAATGAAGATGATGGCTATATATTAGCATTTGTTCACGACGAGAAGGCATGGAAGTCGGAGCTTCAGATCGTTAATGCCATGAC
TCTAGAGTTAGAGGCCACGGTCCAGCTTCCGTCCAGGGTGCCATATGGATTCCATGGCACATTCATTAGTGCAAAAGATTTAGAA
AGTCAGGCCTGATACTCAATTTGGCCTGATCAATAGTTTGCTAGTTTGATTGTTATTGCAGCCGAGAATTATCAGAGGGATTGAT
CATACGTCCCCGAAATTCCCCGAGCTGTTTAAACTACGGACCTTTTGTTGGTTGTCACAAAAGAGTTCGGATAGTATCATTTATC
TTGTTTATATGTAATGATTTCATGGGAAGATTTGAAGC
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