http://www.vcru.wisc.edu/simonlab/sdata/MK000035.pdf

MK000035=CRTISO

Marker: CRTISO
Type: SNP
Description: carotenoid isomerase
Reference: ① Brian Just Ph.D. Thesis, Table 2.1 ② Theor Appl Genet (2007) 114:693-704
Primers: CRTISO-5'UTRendF.....5'-aaccatacacacaatcaccttcctcc-3'
CRTISO-5'CDSendR.....5'-tcccagacccaatcacaatagcatc-3'
PCR Reaction:
PCR Program: Annealing temperature 56°C
Screening Method: SNP detected by sequencing of PCR product
Product Sizes: 0.4kb
Example:
Genbank reference: DQ192188
Sequence Information: >CRTISO (237a) Consensus (cDNA sequence) Both primers are in cDNA sequence, 425 b.p. in cDNA

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AACCATACACACAATCACCTTCCTCCCCAAAGCAAATTAATCTCTCCATCTTTCTTGATTTAAGCACCCACAATTTGACACCCAG
AAGCTAAATTCAAGAATTAGTATGTCTACTAGCATCTTTGAAACCCCATTACCAAGAAGTGATCTTTTTTTATGTAGCAACAGTT
TATTGTCTCAAAATTATAAACTTTTTGATAATTCCAGGAGTTTTGGGTTGAAAAGCCTCAGACCCAGATGTCAGAAAGATGGACT
TTTGTATCCAAAGCCCTTGAATTTTGGGTTTTGTAGGGTGAGTAGGAGAAAGAGGAAGCCTAATTTTGTGTTGAATTCTGTGCTG
AGTGTTGATAAAGAGTTGGAGAGTGATGAAACTGTGGGATTGGGTAGGAGTAGAGAGTATGATGCTATTGTGATTGGGTCTGGGA
TTGGTGGTTTGGTTGCAGCAACACAGTTGGCTGTGAAGGGTGCTAAGGTTCTAGTGCTTGAAAAGTATTTGATTCCTGGTGGGAG
CTCTGGATATTACGAAAGAGATGGTTTTACATTCGATGTTGGATCATCTGTGATGTTTGGCTTCAGTGATAAGGGGAATCTTAAC
TTGATAACTCAAGCATTGGCGGCAGTTGGCTGTAAGATGGAGGTGATACCTGACCCCAGTACTGTCCATTTTCATCTACCTAGTA
ATCTTTCTGTCCTAGTACATAGAGAATATAATGAGTTCTTCTCCGAACTGACAAGCAAATTTCCACATGAAAAGGAAGGAATATT
TAAATTTTATGGTGAATGCTGGAAGATTTTTAATGCCTTGAACTCATTGGAACTGAAGTCACTCGAGGAACCAATCTACCTGTTT
GGGCAGTTCTTTAAAAAGCCTATGGAATGCCTAACACTGGCATACTATTTGCCTCAAAATGCTGGAGACATAGCTCGGAAGTTCA
TAAAAGATCCGGAGGTTCTGTCCTTTATAGATGCTGAGTGCTTTATTGTGAGTACCGTTAATGCGTTGAAGACACCAATGATCAA
CGCAAGCATGGTTCTGTGTGACAGACACTATGGGGGAATTAACTATCCTGTTGGTGGGGTTGGTGGGATCGCAAAATCATTAGCA
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TTCGGCTGGCGAATGGAAATGAGATATTTGCTAAGAACATAATTTCAAATGCTACCAGATGGGATACTTTTGGGAAGCTTCTAAA
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CATAGAGGACTGGCAGGGGATGTCTCAAAAAGATTATGAGAAGAAGAAGGAGCTTGTAGCTGACGAGATTATAAGCCGACTGGAA
AAGAAACTATTTCCTGGTCTCCAGTCTTCCATTGTTTTAAAGGAGGTCGGGACACCTAAGACACACAGGCGCTACCTTGCTCGTG
ATAGTGGTACCTATGGACCTATGCCACAGGGTACCCCAAAGGGTTTACTAGGAATGCCATTTAATACAACTGCAATTGACGGTTT
GTACTGTGTGGGGGATAGTTGCTTTCCAGGACAAGGTGTTATAGCCGTTGCATTCTCAGGAGTGATGTGTGCTCATCGAGTTGCT
GCTGATTTAGGGCTTGAGCAGAAATCTCCCATTTTGGATGCTGCTCTCCTTCGTCTACTGGGTTGGTTCAGGACACTAGCATAAA
GAGTTCAATCATAAAATGTGACTTACATGAAGGGCAGAAGGTTGCTTCTGATACGAGGTCATGTTCAATTTGATATTTAGTCTCT
CTTCGAAAAATTCAATTGAGGTATCAAGGAACTAGGGGAAGTTTTATTCTTACCTATGTTGAATAGTACGTGGCTTTTTTCCAAT
ATATGTTTTGTTTTGGTGGTTCCCAAGTGTGTGAACCACAAAACATTTTTTTCCTCATATATAACAAAGTCAACTTGTGATGTTA
AAATCTTGTGTCATATATGCATTCCGTCTACTGATATATATTTTTTAAATTCATGGATC
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