## pCSA110 construct used in SAIL lines

**Left border primers** (LB1 is proximal, LB3 is distal and was used for sequencing):

LB1: 5'-GCCTTTTCAGAAATGGATAAATAGCCTTGCTTCC-3'

LB2: 5'-GCTTCCTATTATATCTTCCCAAATTACCAATACA-3'

LB3: 5'-TAGCATCTGAATTTCATAACCAATCTCGATACAC-3'

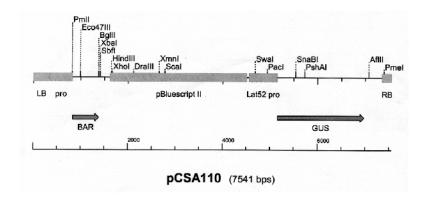
## **Right border primers**:

QRB1: 5' - CAA ACT AGG ATA AAT TAT CGC GCG CGG TGT CA -3'

QRB2: 5 '- GGT GTC ATC TAT GTT ACT AGA TCG GGA ATT GA - 3'

QRB3: 5' - CGC CAT GGC ATA TGC TAG CAT GCA TAA TTC - 3'

pCSA110 is described in a paper by John McElver et al in Genetics 159: 1751 (2001).



## pCSA110 T-DNA

GGATCCTGATCACAGGCAGCAACGCTCTGTCATCGTTACAATCAACATGCTACCCTCCGC GAGATCATCCGTGTTTCAAACCCGGCAGCTTAGTTGCCGTTCTTCCGAATAGCATCGGTA ACATGAGCAAAGTCTGCCGCCTTACAACGGCTCTCCCGCTGACGCCGTCCCGGACTGATG GGCTGCCTGTATCGAGTGGTGATTTTGTGCCGAGCTGCCGGTCGGGGAGCTGTTGGCTGG CTGGTGGCAGGATATATTGTGGTGTAAACAAATTGACGCTTAGACAACTTAATAACACAT TGCGGACGTTTTTAATGTACTGAATTAACGCCGAATTGAATTCGATTTGGTGTATCGAGA TTGGTTATGAAATTCAGATGCTAGTGTAATGTATTGGTAATTTGGGAAGATATAATAGGA ATTCCGTTCTTGCTGTAAAGCGTTGTTTGGTACACTTTTGACTAGCGAGGCTTGGCGTGT CAGCGTATCTATTCAAAAGTCGTTAATGGCTGCGGATCAAGAAAAGTTGGAATAGAAAC AGAATACCCGCGAAATTCAGGCCCGGTTGCCATGTCCTACACGCCGAAATAAACGACCAA ATTAGTAGAAAAATAAAAACTGACTCGGATACTTACGTCACGTCTTGCGCACTGATTTGA AAAATCTCAATATAAACAAAGACGGCCACAAGAAAAAACCAAAAACACCGATATTCATTAA TCTTATCTAGTTTCTCAAAAAAATTCATATCTTCCACACGTGGATCCATGAGCCCAGAAC GACGCCGGCCGACATCCGCCGTGCCACCGAGGCGGACATGCCGGCGGTCTGCACCATCG TCAACCACTACATCGAGACAAGCACGGTCAACTTCCGTACCGAGCCGCAGGAACCGCAGG AGTGGACGGACGTCCGTCCGTCTGCGGGAGCGCTATCCCTGGCTCGTCGCCGAGGTGG ACGGCGAGGTCGCCGCCATCGCCTACGCGGGCCCCTGGAAGGCACGCAACGCCTACGACT GGACGGCCGAGTCGACCGTGTACGTCTCCCCCCGCCACCAGCGGACGGGACTGGGCTCCA CGCTCTACACCCACCTGCTGAAGTCCCTGGAGGCACAGGGCTTCAAGAGCGTGGTCGCTG TCATCGGGCTGCCCAACGACCCGAGCGTGCGCATGCACGAGGCGCTCGGATATGCCCCCC GCGGCATGCTGCGGGCCGGCTTCAAGCACGGGAACTGGCATGACGTGGGTTTCTGGC AGCTGGACTTCAGCCTGCCGGTACCGCCCCGTCCGGTCCTGCCCGTCACCGAGATCTGAT CTCACGCGTCTAGGATCCTCTAGAGTCGACCTGCAGGCATGCCGCTGAAATCACCAGTCT CTCTCTACAAATCTATCTCTCTCTATAATAATGTGTGAGTAGTTCCCAGATAAGGGAATT GTATTTGTAAAATACTTCTATCAATAAAATTTCTAATTCCTAAAACCAAAATCCAGTGGG TACCGAGCTCGAATTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGGCCCGG TACCCAATTCGCCCTATAGTGAGTCGTATTACGCGCGCTCACTGGCCGTCGTTTTACAAC GTCGTGACTGGGAAAACCCTGGCGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTT TCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCA GCCTGAATGGCGAATGGGACGCCCCTGTAGCGGCGCATTAAGCGCGGCGGGTGTGGTGG TTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTCGCTTTCT TCCCTTCCTTTCTCGCCACGTTCGCCGGCTTTCCCCGTCAAGCTCTAAATCGGGGGCTCC CTTTAGGGTTCCGATTTAGTGCTTTACGGCACCTCGACCCCAAAAAACTTGATTAGGGTG ATGGTTCACGTAGTGGGCCATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGGAGT CCACGTTCTTTAATAGTGGACTCTTGTTCCAAACTGGAACAACACTCAACCCTATCTCGG TCTATTCTTTTGATTTATAAGGGATTTTGCCGATTTCGGCCTATTGGTTAAAAAATGAGC TGATTTAACAAAAATTTAACGCGAATTTTAACAAAATATTAACGCTTACAATTTAGGTGG CACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAA TATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGAA GAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTTTGCCT TCCTGTTTTTGCTCACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAGATCAGTTGGG TGCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCG CCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATT ATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAATGA CTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGA GATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACATGGGGGATCATGTAACTCG CCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGACACCAC AGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCACTTCT GTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTAT CTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAATAGACAGATCGCTGAGATAGG TGCCTCACTGATTAAGCATTGGTAACTGTCAGACCAAGTTTACTCATATACTTTAGAT TGATTTAAAACTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCT CATGACCAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAA AAAACCACCGCTACCAGCGGTGGTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCC GAAGGTAACTGGCTTCAGCAGAGCGCAGATACCAAATACTGTCCTTCTAGTGTAGCCGTA GTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCT GTTACCAGTGGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACG ATAGTTACCGGATAAGGCGCAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAG CTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCGC CACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCGGAACAGG AGAGCGCACGAGGGGGCTTCCAGGGGGGAAACGCCTGGTATCTTTATAGTCCTGTCGGGTT GAAAAACGCCAGCAACGCGGCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCA CATGTTCTTTCCTGCGTTATCCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTG AGCTGATACCGCTCGCCGCAGCCGAACGACCGAGCGCGAGTCAGTGAGCGAGGAAGC GGAAGAGCGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCAG CTGGCACGACAGGTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAG TTAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTG TGGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCTATGACCATGATTACGCCAA GCGCGCAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGCTCTGCAGTCGACATACTCGAC TCAGAAGGTATTGAGGAATGATCGATTCTGGGTCATTTGTGTGGTTAATCACCCTCCAAATCA ACTAAGTCATCCTGAAGGACAATATCCTATTTTTTCTCTCGTAGGTTTATCATTTAAATTACTA TCGCGTGATAATTTTGTAACGTAGAAAAATAATACCATTAATCCAAACGTTATATTCATTA AAATAATTATGATACATTTAAAAATATTTCGTGACCTCTCAATTATTGCAAATTCTAAGC CATCCCAAGTTTTGAGGCTAATTTTTTTACTATACTATTTTTACAACCACAAAAACATA AAATATAAAAAAAAAAAAAAATAAACCGAGTCAATTGCTACAATCACTTCATTAATT TTAATTAATATTATGTGGGTTATATATGAAACTGTTAGAGAAATAATAGCTCCACCATAT TTTTTCTTAATTTATTTTCACTATAAAAAGGCTATTTCATTATAATCAAAACAAGACAC CCCAACCGTGAAATCAAAAACTCGACGGCCTGTGGGCATTCAGTCTGGATCGCGAAAA CTGTGGAATTGATCAGCGTTGGTGGGAAAGCGCGTTACAAGAAAGCCGGGCAATTGCTGT GCCAGGCAGTTTTAACGATCAGTTCGCCGATGCAGATATTCGTAATTATGCGGGCAACGT CTGGTATCAGCGCGAAGTCTTTATACCGAAAGGTTGGGCAGGCCAGCGTATCGTGCTGCG TTTCGATGCGGTCACTCATTACGGCAAAGTGTGGGTCAATAATCAGGAAGTGATGGAGCA TCAGGGCGGCTATACGCCATTTGAAGCCGATGTCACGCCGTATGTTATTGCCGGGAAAAG GGTGATTACCGACGAAAACGGCAAGAAAAGCAGTCTTACTTCCATGATTTCTTTAACTA TGCCGGAATCCATCGCAGCGTAATGCTCTACACCACGCCGAACACCTGGGTGGACGATAT CACCGTGGTGACGCATGTCGCGCAAGACTGTAACCACGCGTCTGTTGACTGGCAGGTGGT GGCCAATGGTGATGTCAGCGTTGAACTGCGTGATGCGGATCAACAGGTGGTTGCAACTGG ACAAGGCACTAGCGGGACTTTGCAAGTGGTGAATCCGCACCTCTGGCAACCGGGTGAAGG TCGCGTCGGCATCCGGTCAGTGGCAGTGAAGGGCGAACAGTTCCTGATTAACCACAAACC GTTCTACTTTACTGGCTTTGGTCGTCATGAAGATGCGGACTTGCGTGGCAAAGGATTCGA TAACGTGCTGATGGTGCACGACCACGCATTAATGGACTGGATTGGGGCCAACTCCTACCG TACCTCGCATTACCCTTACGCTGAAGAGATGCTCGACTGGGCAGATGAACATGGCATCGT GGTGATTGATGAAACTGCTGCTGTCGGCTTTAACCTCTCTTTAGGCATTGGTTTCGAAGC GGGCAACAAGCCGAAAGAACTGTACAGCGAAGAGGCAGTCAACGGGGAAACTCAGCAAGC GCACTTACAGGCGATTAAAGAGCTGATAGCGCGTGACAAAAACCACCCAAGCGTGGTGAT GTGGAGTATTGCCAACGAACCGGATACCCGTCCGCAAGGTGCACGGGAATATTTCGCGCC ACTGGCGGAAGCAACGCGTAAACTCGACCCGACGCGTCCGATCACCTGCGTCAATGTAAT GTTCTGCGACGCTCACACCGATACCATCAGCGATCTCTTTGATGTGCTGTGCCTGAACCG TTATTACGGATGGTATGTCCAAAGCGGCGATTTGGAAACGGCAGAGAAGGTACTGGAAAA AGAACTTCTGGCCTGGCAGGAGAAACTGCATCAGCCGATTATCATCACCGAATACGGCGT