

Development of New STMS markers for sugarcane

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Primer Name	: NKS 8
Forward Sequence	: gtgacagcggcgttggttcag
Reverse Sequence	: ttaaacacgcagccattcag
Gene Bank accession No. of source sequence	: SHY293479
Type of sequence	: cDNA

Source Sequence:

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1  cggacgtgacagcggcgttggttcagcgggttggggcaaccagaggagggatcgtccggtgg
61  cggcggcggcggcggccattgtgctattgtttgcagtggcgcggttgacggcgaggtgaa
121 gatttgagcgtattgtttccagttctctttagacagtatactgctgcatgagcatgaa
181 tcatgatgctgaatggctgcgtgttttaaacattgagattagcgttaggggatttgctaca
241 cctgttcattgggggaaaaaacgcacatctattttaaacattgagttgcatacacatac
301 tggttcaacaaaaaaacttaaaactaacagtggagggtgaataattcaattatatacttaa
361 gtttcaacacaagatatataagtgaattgctcaggtggctacgtctctccatcaccttaa
421 gcttttgagttagactatcggtgcttgcaattcaatatgata
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Repeat Motif	: (cgg) 6
Total number and names of the germplasm lines tested:	48 (view table)
No of PCR products amplified	:4
The size range of the PCR product	:185 - 256 bp
The general PCR protocol used	:200 µM of each dNTPs, 6pmol each of the forward and reverse primer, 0.5 units of Taq DNA polymerase
The PCR cycling condition:	Pre-denaturation: 94 ⁰ C (5 min), 25 cycles of Denaturation: 94 ⁰ C (50 sec), Annealing : 58 ⁰ C (50 sec), Extension : 72 ⁰ C (50 sec) and Final extension : 72 ⁰ C (7 min).

Reference: Unpublished