Development of New STMS markers for sugarcane

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Primer Name : **NKS 2**
Forward Sequence :**gctgtcccgttccaagttac**
Reverse Sequence :**gcgaccggattatgatgatt**
Gene Bank acesion No. of source sequence :**AA961302**
Type of sequence :**cDNA**

Source Sequence :

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  1 ggccggcggtttctagctgtgaccatgatggaagcagcctctcgacctggtggacgctgt

 61 tatgaccatgattcccccggccttggaccattaccgatttagccttataccgcatttcat

121 agcagtttttttctgggtctcattttacaagcaaaacgagtttgctggctgctgtcccgt

181 tccaagttacagaccagaagggaaaaccgagagagagagagagagagagagagatagaa

241 cagagtgagcgagagaaatcactaactactagcgacgacatctttcttatctatgcttag

301 ccttgccttgctccgaagataagggtaacaaacaactgggaactaacatgaggtcagaaa

361 tcatcataatccggtcgccgccgcaggttgatggggtatcctttgagggtccgggtggtg

421 gggaagaagacaattctgtcctcctccgcttcttcccagctgaagcgcgtcacgagatgg

481 tggagaaaaacagaaaccaccacccgggcaagctcgtagcctgggcacaggcgagtccgc

541 ctatgaggctaaatcggaattcgatttacctcatatcgacttcatgcccctcctagatga

601 gaagtcgactattggatgggcacgtc
```

Repeat Motif :**(ga)13**
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 - 216**
The general PCR protocol used :200 µM of each dNTPs, 6 pmol each of the forward and reverse primer, 0.5 units of Taq DNA polymerase

The PCR cycling condition: Pre-denaturation: 94^0C (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Reference: Unpublished