

Development of New STMS markers for sugarcane

Govindaraj P.¹, Balasundaram N.¹, Sharma T.R.², Bansal K.C.², Koundal K.R.² and Singh N.K.²

¹Sugarcane Breeding Institute, Coimbatore, Tamilnadu, India

²NRC on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi, India

Primer Name	: NKS 15
Forward Sequence	: aaccattgaccagatccag
Reverse Sequence	: tagtggccctaggcgtaaaa
Gene Bank acesion No. of source sequence	: SHY293488
Type of sequence	: Genomic DNA

Source Sequence:

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1 aaccattgaccagatccagactggggaggggctgactagagtttagagagagagagagag
61 agagagagagagagagagagcacgccattgttccccgaagcttgcaagggttcccaac
121 gaagattctttgcaggggattgaaaagtggcggagctcgtcgatttttacgcctaggggcc
181 actatcacagcatatataccgcctgcactagggttaaagtt
```

Repeat Motif	: (ag)19
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	: 155 - 183 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Reference: Unpublished