

Development of New STMS markers for sugarcane

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Primer Name	: NKS 12
Forward Sequence	: cagccacgtgatgctttct
Reverse Sequence	: ccgatccatcagtttcagg
Gene Bank acsion No. of source sequence	: SHY293484
Type of sequence	: Genomic DNA

Source Sequence:

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1 acataaacgtaacttgtaaagcttacgaggaatcttctgcaagatccaccatcttttcgc
61 accagccacgtgatgctttctgcagagagagagagagagagagagagagagagagaga
121 gagagagagaaggattattcagtgcattgactataaaactcaattggtgaatggataatca
181 caataagaacttgcaataattgatcatgggaacaaacctgaaactgatggatcggtaagg
241 catcatagaattcatgtgcaatgattatggttggtgctgcatataagatagttacaaata
301 tgagcaacataaaaagccccaatcaagaagtttttaaagaaacgaagttgacaaaaggca
361 aatacacgaacttaaacagcttcaaaattattcatattccatgcatgaagtaactaaact
421 agccgat
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Repeat Motif	: (ag) 23
Total names of the germplasm lines tested	: 48 (view table)
No. of PCR products amplified	: 5
The size range of the PCR product	: 134 - 164 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Reference: Unpublished