

Development of New STMS markers for sugarcane

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Primer Name	: NKS 30
Forward Sequence	: ctcctttctccttcgcatcct
Reverse Sequence	: cacctttctggagcacgtta
Gene Bank accession No. of source sequence	: SHY293561
Type of sequence	: Genomic DNA

Source Sequence:

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1 accggagccncgggtagagggtagcggagccggagtagctccggatgtcgcccaccaccg
61 acgacaggagctcctttctccttcgcatcctcgggcggcggcggcggcggcccatcgggc
121 gactggatcgatcgggttgattggcggcctgccgacaagaggagcaggagcaacgaggat
181 ttgggggtggtcggcttcctcccaatttcaaattttcatctcgctccccgggcccggggga
241 cgggaaacgttaacgtgctccagaaaggtagggcccaaccaaccaccataaggccccacct
301 gccagggttccttcgactgcactgcacctgtgcggggcagcgggtggcaacggcaaaagcgccgt
361 tgtctgtccgcggccagctgccggctgcgaagacgatggtcagttgctctgcaagtccg
421 tagaatcgtgcacacgatgggtgtagacatgcttgcnegctgannng
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Repeat Motif	: (cgg) 7
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	: 183 - 305
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Reference: Unpublished