

Reliable and fast molecular sexing in *Bos indicus* cattle using amelogenin gene primers

ABSTRACT

To investigate reliability of amelogenin gene primer pair for exon 5, SE47/SE48 for sex differentiation in *Bos indicus* three male and three female Brakmas (*B. indicus*) cattle were tested. The SE 47/48 primer pair generated PCR products of fragment length 280 bp for the females (AMELX) and fragments of 280 bp (AMELX) and 213 bp (AMELY) for the males. Thus the SE47/48 primer pair is not only reliable for sex differentiation in *B. indicus* but may also be used to differentiate the *B. indicus* and *B. taurus* males.

Keyword: Amelogenin, *Bos indicus*, Sex differentiation