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[\[PDF \(854K\)\]](#) [\[References\]](#)**Evidence for inclusion of a segment of *Escherichia coli* genomic DNA in bovine tooth germ mRNA encoding salivary proline-rich protein P-B**Ritsuko SATO¹⁾, Satoko ISEMURA¹⁾, Shigeki FUJIWARA²⁾ and Kazuo SANADA²⁾

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ABSTRACT

In the course of cloning of bovine cDNA for proline-rich protein (PRP) P-B from bovine tooth germ cDNA, we found that one clone with 662 bp contained a 5'-terminal 393 bp (1-393 bp) sequence essentially identical to that of human P-B cDNA (154-546 in D29833) and bovine P-B cDNA (1-356 bp in AB192573) and a sequence of 233 bp (394-626 bp) highly homologous to the segment of *E. coli* K12 genomic DNA (365511-365744 in NC000913). Although the latter sequence is contained in the vector pT7Blue, which we used, our results show that this chimeric structure in bovine tooth germ P-B cDNA is not an artifact formed during the cloning process, but intrinsic to the bovine genome since the chimeric structure was detected in bovine tooth germ and bovine genomic DNA.

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