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METHOD OF TRANSGENIC BOVINE CLONED EMBRYOS USING PIGGYBAC TRANSPOSITION

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Abstract of KR20130083311 (A)

PURPOSE: A method for preparing a transformed bovine embryo using piggybac transposition is provided to uniformly express target genes in all embryos and to stably prepare transformed bovine embryos, thereby studying various embryo-related fields.
CONSTITUTION: A transformed bovine embryo is prepared using piggybac transposition. The piggybac transposition is formed using vectors. The piggybac transposition is formed using a primer of sequence number 1 or 2. An embryo is prepared through somatic cell nuclear transfer (SCNT) using fibroblasts as a donor cell. The expression of a foreign target gene is regulated by antibiotics or uniform expression of the foreign target genes.