

Title (en)
METHOD FOR GENERATING CLONED ANIMALS USING CHROMOSOME SHUFFLING

Title (de)
VERFAHREN ZUR ERZEUGUNG KLONIRTER TIERE UNTER VERWENDUNG VON CHROMOSOMEN-SHUFFLING

Title (fr)
PROCEDE POUR CREER DES ANIMAUX CLONES PAR REARRANGEMENT CHROMOSOMIQUE

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Application
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Abstract (en)
[origin: WO0229002A2] The present invention concerns the use of chromosomal replacement techniques in the context of producing cloned and transgenic animals, in order to correct chromosome abnormalities or alter autosomal genotypes, and provide for novel breeding pairs by replacing the sex chromosome in animals to be cloned. Replacement of a sex chromosome, or an X or Y chromosome, will result in animals that are autosomally isogenic and sexually non-isogenic (AISN), with "autosomally isogenic" meaning that the paired sets of autosomes (non-sex chromosomes) in each animal are isogenic or identical. Also included in the invention are animals that are both "autosomally" and "allelically" isogenic whereby each particular pair of chromosomes is internally isogenic or identical within a single animal as well as between animals. Such animals are particularly useful in generating a line of cloned mammals using sexual reproduction, without having the undergo nuclear transfer in order to propagate cloned animals.

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• See references of WO 0229002A2

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