

Title (en)

TRANSGENIC CHICKENS WITH AN INACTIVATED ENDOGENOUS GENE LOCUS

Title (de)

TRANSGENE HÜHNER MIT INAKTIVIERTEM ENDOGENEM GENLOCUS

Title (fr)

POULETS TRANSGENIQUES PORTEURS D'UN LOCUS DE GENES ENDOGENES INACTIVES

Publication

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Application

EP 08797925 A 20080814

Priority

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Abstract (en)

[origin: WO2009023800A1] The present invention is transgenic chickens obtained from long-term cultures of avian PGCs and techniques to produce and transgenic birds derived from prolonged PGC cultures. In some embodiments, these PGCs can be transfected with genetic constructs to modify the DNA of the PGC, specifically to introduce a transgene encoding an exogenous protein. When combined with a host avian embryo by known procedures, those modified PGCs are transmitted through the germline to yield transgenic offspring. This invention includes compositions comprising long-term cultures of PGCs and offspring derived from them that are genetically modified. The genetic modifications introduced into PGCs to achieve the gene inactivation may also include, but are not restricted to, random integrations of transgenes into the genome, transgenes inserted into the promoter region of genes, transgenes inserted into repetitive elements in the genome, site specific changes to the genome that are introduced using integrase, site specific changes to the genome introduced by homologous recombination, and conditional mutations introduced into the genome by excising DNA that is flanked by lox sites or other sequences that are substrates for site specific recombination.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2009023800A1

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