

Title (en)
TRANSGENIC ANIMALS WITH CUSTOMIZABLE TRAITS

Title (de)
TRANSGENE TIERE MIT ANPASSBAREN MERKMALEN

Title (fr)
ANIMAUX TRANSGÉNIQUES AYANT DES CARACTÉRISTIQUES PERSONNALISABLES

Publication
EP 2967017 A4 20161109 (EN)

Application
EP 14763711 A 20140315

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Abstract (en)
[origin: WO2014145196A2] Disclosed are materials and methods for creating customizable traits in animals. In the demonstration of the principle of the subject invention, a keratin-14 specific promoter is used with red fluorescent protein in the loxp cassette, dominant black (Δ G23) beta defensin 103 in the pigment cassette, and an SV40 (with intron) polyadenylation sequence. When Cre recombinase (or HTNCre) is applied to the animal's skin in a carrier base (e.g., lipid bilayers), fur is permanently genetically modified to turn black in the shape in which the HTNCre was applied.

IPC 8 full level
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CPC (source: EP)
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