

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 ( $\Delta$ 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  
**A01K 67/027** (2006.01); **C12N 5/07** (2010.01); **C12N 15/09** (2006.01); **C12N 15/85** (2006.01)

CPC (source: EP)  
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