

Title (en)

MELANOCORTIN-4 RECEPTOR GENE AND USE AS A GENETIC MARKER FOR FAT CONTENT, WEIGHT GAIN, AND/OR FEED CONSUMPTION OF ANIMALS

Title (de)

MELANOCORTIN-4 REZEPTOR GEN UND SEINE VERWENDUNG ALS GENETISCHER MARKER FÜR FETTGEHALT, GEWICHTSZUNAHME, UND/ODER FUTTERVERBRAUCH VON TIEREN

Title (fr)

GENE RECEPTEUR DE MELANOCORTINE 4 ET SON UTILISATION COMME MARQUEUR GENETIQUE DE LA TENEUR EN MATIERES GRASSES, DE LA PRISE DE POIDS ET/OU DE LA CONSOMMATION D'ALIMENTS CHEZ DES ANIMAUX

Publication

**EP 1100970 A2 20010523 (EN)**

Application

**EP 99937474 A 19990726**

Priority

- US 9916862 W 19990726
- US 9428798 P 19980727
- US 11618699 P 19990115

Abstract (en)

[origin: WO0006777A2] Genetic markers in the porcine melanocortin-4 receptor (MC4R) gene are disclosed which are associated with fat content, growth rate, and feed consumption. Further, novel sequence data from regions of the gene are disclosed which may be used in a PCR test to screen for the presence of the marker. The genetic marker may be used to screen animals for breeding purposes which have the desired traits regarding fat content, growth rate, and feed consumption. Kits which take advantage of the PCR test are also disclosed.

IPC 1-7

**C12Q 1/68**; C07K 14/47

IPC 8 full level

**C12Q 1/68** (2006.01); **C12N 15/00** (2006.01)

CPC (source: EP)

**C12Q 1/6876** (2013.01); **C12Q 2600/124** (2013.01); **C12Q 2600/156** (2013.01); **C12Q 2600/172** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0006777 A2 20000210**; **WO 0006777 A3 20000511**; AU 5230199 A 20000221; AU 758179 B2 20030320; BR 9912460 A 20020213; CA 2337495 A1 20000210; CA 2337495 C 20080318; CN 1193102 C 20050316; CN 1328602 A 20011226; EP 1100970 A2 20010523; HU P0102715 A2 20020928; HU P0102715 A3 20041028; JP 2002521068 A 20020716; JP 3790102 B2 20060628; MX PA01001100 A 20020820; PL 346223 A1 20020128

DOCDB simple family (application)

**US 9916862 W 19990726**; AU 5230199 A 19990726; BR 9912460 A 19990726; CA 2337495 A 19990726; CN 99811113 A 19990726; EP 99937474 A 19990726; HU P0102715 A 19990726; JP 2000562559 A 19990726; MX PA01001100 A 19990726; PL 34622399 A 19990726