

Title (en)

ADRENERGIC RECEPTOR SNP FOR IMPROVED MILKING CHARACTERISTICS

Title (de)

SNP DES ADRENERGEN REZEPTORS FÜR VERBESSERTE MELKCHARAKTERISTIKA

Title (fr)

SNP DE RECEPTEUR ADRENERGIQUE POUR AMELIORER LES CARACTERISTIQUES DE TRAITE

Publication

EP 1673382 A4 20061018 (EN)

Application

EP 04784592 A 20040921

Priority

- US 2004030774 W 20040921
- US 50511303 P 20030923

Abstract (en)

[origin: WO2005030789A1] Disclosed herein is a method for screening for the allele associated with a desired SCS phenotype, which comprises: obtaining a DNA sample from a bull to be tested for the desired SCS phenotype; and detecting the presence of an adenine at position 11 in a gene encoding a bovine beta2-adrenoreceptor. Also disclosed is a milking attribute PCR-RFLP kit containing a pair of primers which flank the 11<th> nucleotide position of the bovine beta2-adrenoreceptor gene, and a restriction enzyme specific for the CCCGGG site, which can be SmaI.

IPC 8 full level

C07H 21/02 (2006.01); **C07H 21/04** (2006.01); **C12P 19/34** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)

C12Q 1/6888 (2013.01); **C12Q 1/683** (2013.01); **C12Q 2600/124** (2013.01); **C12Q 2600/156** (2013.01)

Citation (search report)

- [A] WO 9919512 A1 19990422 - UNIV CINCINNATI [US], et al
- [A] WO 9010714 A1 19900920 - WISCONSIN ALUMNI RES FOUND [US]
- See references of WO 2005030789A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005030789 A1 20050407; AU 2004276248 A1 20050407; BR PI0414583 A 20061107; CA 2539551 A1 20050407; CN 100422202 C 20081001; CN 1852916 A 20061025; EP 1673382 A1 20060628; EP 1673382 A4 20061018; RU 2006113558 A 20071110

DOCDB simple family (application)

US 2004030774 W 20040921; AU 2004276248 A 20040921; BR PI0414583 A 20040921; CA 2539551 A 20040921; CN 200480027138 A 20040921; EP 04784592 A 20040921; RU 2006113558 A 20040921