

Title (en)
POLYMORPHISMS IN FATTY ACID BINDING PROTEIN 4(FABP4) GENE AND THEIR ASSOCIATIONS WITH MEASURES OF MARBLING AND SUBCUTANEOUS FAT DEPTH IN BEEF CATTLE

Title (de)
POLYMORPHISMEN IM GEN FÜR FETTSÄURE-BINDUNGSPROTEIN 4 (FABP4) UND DEREN ASSOZIATIONEN MIT MESSUNGEN DER TIEFE DER ÄDERUNG UND VON SUBKUTANEM FETT IN FLEISCHRINDERN

Title (fr)
POLYMORPHISMES DANS LE GENE DE LA PROTEINE QUATRE DE LIAISON D'ACIDES GRAS ET ASSOCIATION DE CEUX-CI AVEC DES MESURES DE MARBRURE ET DE PROFONDEUR DE GRAS SOUS CUTANEE DANS LE BETAIL BOVIN

Publication
EP 2547786 A2 20130123 (EN)

Application
EP 06784501 A 20060526

Priority
• US 69040805 P 20050613
• US 2006020774 W 20060526

Abstract (en)
[origin: NZ564763A] Provided is a method for identifying a bovine animal having desirable marbling, sub-cutaneous fat depth, or a combination thereof, as compared to the general population of bovine animals, comprising: (a) obtaining a biological sample from said bovine animal, said biological sample comprising nucleic acids encoding the bovine fatty acid binding protein ("FABP4") gene from said bovine; (b) detecting in said nucleic acids the presence of: (i) a C in one or both alleles of the FABP4 gene at position corresponding to position 7516; or (ii) a C in one or both alleles of the FABP4 gene at position corresponding to position 7713; and (c) correlating the presence of the nucleic acid content of (b) with desirable marbling, sub-cutaneous fat depth, or a combination thereof in said bovine animal. Further provided are interactive computer systems for tracking the rearing of bovines.

IPC 8 full level
C12Q 1/68 (2006.01)

CPC (source: EP)
C12Q 1/6876 (2013.01); **C12Q 1/6888** (2013.01); **C12Q 2600/156** (2013.01)

Citation (search report)
See references of WO 2006128116A2

Cited by
CN110157811A; CN110438243A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
BR PI0611583 A2 20100921; CA 2620460 A1 20061130; EP 2547786 A2 20130123; NZ 564763 A 20100730

DOCDB simple family (application)
BR PI0611583 A 20060526; CA 2620460 A 20060526; EP 06784501 A 20060526; NZ 56476306 A 20060526