

Title (en)
ASSAY FOR DUROC MUSCLE FIBRE TYPE

Title (de)
TEST FÜR DUROC MUSKELFASERTYPUS

Title (fr)
METHODE DE SELECTION DE FIBRES MUSCULAIRES DE TYPE DUROC

Publication
EP 0929814 A1 19990721 (EN)

Application
EP 97944024 A 19971007

Priority

- GB 9702741 W 19971007
- GB 9620904 A 19961007
- GB 9703350 A 19970218
- GB 9705796 A 19970320
- GB 9719002 A 19970909

Abstract (en)
[origin: WO9815837A1] There is provided an assay to determine whether an animal has an allele for or exhibits muscle fibre composition characteristic of a Duroc pig. The assay comprises obtaining a tissue sample from said animal and subjecting said sample to genetic analysis and/or obtaining a muscle sample from said animal and determining by histochemical or immunochemical analysis whether said sample exhibits phenotypic traits indicative of said allele(s) and/or shows a muscle composition characterisitic to the Duroc pig. Suitable physical traits include the following: i. the percentage frequency of SO fibres present in said muscle; and/or ii. the number of SO fibres present per cluster; and/or iii. the number of muscle fibres present per cluster; and/or iv. the level of m calpain present per unit muscle; and/or v. the level of mu calpain present per unit muscle. The assay can be used to select animals having Duroc muscle type for breeding or for meat production. Anti-calpain antibodies are especially useful and may be employed as part of an ELISA style assay.

IPC 1-7
G01N 33/68; **C12Q 1/68**

IPC 8 full level
C12Q 1/68 (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)
C12Q 1/6804 (2013.01); **C12Q 1/6827** (2013.01); **C12Q 1/6876** (2013.01); **G01N 33/6887** (2013.01); **C12Q 2600/124** (2013.01); **C12Q 2600/156** (2013.01)

Citation (search report)
See references of WO 9815837A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9815837 A1 19980416; AU 4566997 A 19980505; CA 2267347 A1 19980416; EP 0929814 A1 19990721

DOCDB simple family (application)
GB 9702741 W 19971007; AU 4566997 A 19971007; CA 2267347 A 19971007; EP 97944024 A 19971007