

Genetic Polymorphism Of Bovine Alpha Lactalbumin Coding Variations In Bovine Breeds

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Genetic Polymorphism Of Bovine Alpha

Bovine hemoglobin alpha-globin chain polymorphism: primary structure determination of two new genetic variants by mass spectrometry and amino acid sequencing. Scaloni A(1), Pieragostini E, Malorni A, Ferrara L, Di Luccia A.

Bovine hemoglobin alpha-globin chain polymorphism: primary ...

A MspI polymorphism at the bovine alpha-lactalbumin gene. A MspI polymorphism at the bovine alpha-lactalbumin gene Anim Genet. 1995 Jun;26(3):204-5. doi: 10.1111/j.1365-2052.1995.tb03169.x. Authors R Osta 1 , E García-Muro, I Zarazaga. Affiliation 1 Laboratorio de Genética ...

A MspI polymorphism at the bovine alpha-lactalbumin gene

Using gel electrophoresis a genetic polymorphism of alpha S2-casein (Cn) was discovered in individual milk samples from 2 bovine breeds of the eastern part of France (Vosgienne and Montbéliarde). The 3 observed phenotypes (Plate 1) are determined by 2 co-dominant alleles at an autosomal locus.

A genetic and biochemical analysis of a polymorphism of ...

Therefore, it seems likely that these polymorphisms in the TNF- α promoter could influence susceptibility to several infectious diseases in human. Although, the roles of the polymorphisms of the bovine TNF- α gene have not been reported, we postulated that the -824A/G polymorphism might be associated with expression of TNF- α for BLV-elimination.

Tumor necrosis factor-alpha genetic polymorphism may ...

BLUMBERG, B., TOMBS, M. Possible Polymorphism of Bovine α -Lactalbumin. Nature 181, 683-684 (1958). https: ... Investigating the genetic polymorphism of sheep milk proteins: a useful tool for ...

Possible Polymorphism of Bovine α -Lactalbumin | Nature

2.8. The Polymorphism of Bovine DLK1 Gene PCR primers were designed using Primer 5.0 software to amplify the bovine DLK1 gene (Table 1). All target sequences were amplified in a 25- μ L reaction volume, including 1 μ L of bovine genomic

Analysis of the Bovine DLK1 Gene Polymorphism and Its ...

Polymorphisms in exon 3 of the bovine TNF- α gene: The SNPs including rs453652706, rs383890418, rs432068289 and g.27534932A>C were identified in exon 3 of the bovine TNF- α gene. Only one genotype, GA, of the 453652706 polymorphism was found in both bTB-positive and control cattle.

Relationship of bovine TNF- α gene polymorphisms with the ...

Extensive polymorphism of DQ alpha and DQ beta genes. Andersson L, Böhme J, Rask L, Peterson PA. Class II genes of the bovine major histocompatibility complex (MHC) were investigated by Southern blot analysis using human cDNA probes for DQ alpha, DQ beta, DR alpha and DR beta.

Genomic hybridization of bovine class II major ...

nucleotide polymorphisms (SNPs) spanning a 97.6 kb region within the bovine guanine nucleotide-binding protein Gs subunit alpha gene (GNAS) domain on bovine chromosome 13 and genetic merit for a range of performance traits in 848 progeny-tested Holstein-Friesian sires. The mammalian GNAS domain consists of a

DNA sequence polymorphisms within the bovine guanine ...

A combination of the Greek words poly and morph (multiple and form), polymorphism is a term used in genetics to describe multiple forms of a single gene that exists in an individual or among a group of individuals.

What Is Genetic Polymorphism? - ThoughtCo

First, polymorphisms were identified in the complete coding region of the bovine MX1 gene in 14 Chinese cattle breeds. An association study was then carried out, utilizing polymorphisms detected ...

(PDF) Chinese yellow cattle PPARA gene: Analyses of ...

We have identified four single-strand conformation variants of the bovine tumor necrosis factor alpha gene by analysis of PCR-amplified fragments. The variants are inherited in Mendelian fashion...

Polymorphism at the bovine tumor necrosis factor alpha ...

We have identified four single-strand conformation variants of the bovine tumor necrosis factor alpha gene by analysis of PCR-amplified fragments. The variants are inherited in Mendelian fashion and are informative for linkage mapping.

Polymorphism at the bovine tumor necrosis factor alpha ...

Gene polymorphisms can occur in any region of the genome. The majority of polymorphisms are silent, meaning they do not alter the function or expression of a gene. Some polymorphism is visible. For example, in dogs the E locus, can have any of five different alleles, known as E, E m, E g, E h, and e.

Gene polymorphism - Wikipedia

Association of polymorphism harbored by tumor necrosis factor alpha gene and sex of calf with lactation performance in cattle.

Association of polymorphism harbored by tumor necrosis ...

Our initial RNA sequencing (RNA-seq) revealed that the Serum amyloid A1 (SAA1) gene was differentially expressed in the mammary glands of lactating Holstein cows with extremely high versus low phenotypic values of milk protein and fat percentage. To further validate the genetic effect and potential molecular mechanisms of SAA1 gene involved in regulating milk production traits in dairy cattle ...

Identification of Genetic Associations and Functional ...

The analysis suggested that one SNP (ss130456744) in the bovine VEGF gene had significant effects on birth weight, body weight and heart girth at 6 months old in the Nanyang breed ($P < 0.05$). The results showed that the SNP (ss130456744) in intron 2 of the VEGF gene is associated with early development and growth of Chinese cattle.

The polymorphisms of bovine VEGF gene and their ...

AQP7 gene as a candidate gene for identification of markers for semen quality traits in bualoes. Keywords: Bubalus bubalis, bualoes, AQP7 gene, PCR-SSCP, polymorphism, semen quality, surti bulls. INTRODUCTION. Bull fertility and semen quality are very important for the bovine industry. Quality of semen . can be used as a physiological indicator ...

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