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Genetic Diversity In European Populations

A study in May 2009 of 19 populations from Europe using 270,000 SNPs highlighted the genetic diversity of European populations corresponding to the northwest to southeast gradient and distinguished "four several distinct regions" within Europe: Finland, showing the greatest distance to the rest of Europeans.

Genetic history of Europe - Wikipedia

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Genetic diversity at 10 loci encoding six enzymes was studied in 17 European populations of *Sorbus aucuparia* L. (the rowan), distributed among five regions, from Finland to the Pyrenees. Levels of ...

Allozyme diversity and genetic structure of European ...

Involving people from under-represented groups in the research process is an important part of sampling more diverse populations. (Supplied: Tishkoff Lab) Increasing diversity in genetic studies has ...

European bias in genetic research could lead to ...

Population diversity is more than ethnicity. At the Schlossgespräch, presenters highlighted different aspects of population diversity, which ranged from the most well-known concept of diversity (racial and ethnic diversity) to the more specific regional, genetic and family diversity.

Population Diversity Beyond Ethnicity | Population Europe

The genetic diversity of the soft-shell clam *Mya arenaria* from seven locations in Europe (two stations in the southern Baltic Sea (the Gulf of Gdansk) and two in the North Sea (Veerse Meer and Oosterschelde), and three additional stations in the Denmark Straits and Bay of Biscay) was determined using starch gel electrophoresis of allozymes.

Genetic diversity of European populations of the invasive ...

Genetic Diversity and Population Structure of Asian and European Common Wheat Accessions Based on Genotyping-By-Sequencing Xiu Yang 1,2†, Binwen Tan 1,2†, Haijiao Liu 1,2, Wei Zhu 1,2, Lili Xu 1, Yi Wang 1,2, Xing Fan 1,2, Lina Sha 1,2, Haiqin Zhang 1,2, Jian Zeng 3, Dandan Wu 1,2, Yunfeng Jiang 1,2, Xigui Hu 4, Guoyue Chen 1,2, Yonghong Zhou 1,2 and Houyang Kang 1,2*

Frontiers | Genetic Diversity and Population Structure of ...

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The genetic diversity was high in all 10 stands (). Number of alleles ranged per stand from 10 to 19 (FS4-46), 11 to 21 (FS1-25), 9 to 16 (FS1-15) and 17 to 23 (mfc5) and is comparable to the number of alleles reported in Pastorelli et al. (2003). There is no clear trend for differences in the diversity measures between the managed and limited-managed stand within a site ().

Genetic diversity and differentiation in European beech ...

All standard population genetic measures used (e.g. mean number of alleles per locus 13.46, mean H_O 0.55, mean H_E 0.62) indicated that overall levels of genetic diversity were similar to those reported in an earlier study based on a subset of the *S. viminalis* accessions used here that were collected in the Czech Republic and analysed with the ...

Genetic diversity, population structure and phenotypic ...

If the subtle population substructure that exists within European American populations is not ...
Genetic diversity of European Americans and disease gene mapping (2008, January 18 ...

Genetic diversity of European Americans and disease gene ...

High genetic differentiation and low genetic contributions to global diversity have been observed for single European breeds. Populations with low genetic variability have also shown a low genetic contribution to a core set of diversity in attaining maximum genetic variation present from the total populations.

Global diversity and genetic contributions of chicken ...

Population genetic studies on European populations have highlighted Italy as one of genetically most diverse regions. This is possibly due to the country's complex demographic history and large ...

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Genetic characterization of northeastern Italian ...

Current prevention tools like risk calculators don't work well in racially or ethnically diverse populations because they're based primarily on the genetic data of white participants — about 80% of the DNA sequenced by the Human Genome Project was from people of European ancestry.

Building genetic diversity into cancer research

Several studies examined the fine-scale structure of human genetic variation in Europe. However, the European sets analyzed represent mainly northern, western, central, and southern Europe. Here, we report an analysis of approximately 166,000 single nucleotide polymorphisms in populations from eastern (northeastern) Europe: four Russian populations from European Russia, and three populations ...

A Genome-Wide Analysis of Populations from European Russia ...

Similarly, the genetic diversity of European populations has also been evaluated based on various genetic markers. Strains from 2 Hungarian common carp farms were analyzed using 10 RAPD markers and 4 microsatellite markers; the results showed very similar heterozygosity values and allele frequencies (Richárd et al., 2003).

Genetic Variability - an overview | ScienceDirect Topics

Overall, these koala populations have higher genetic diversity (both neutral and adaptive genes) than populations from Victoria, as they did not experience severe bottlenecks in the past (e.g. translocations on islands) and many populations in the north are genetically distinct from each other (the genes in one population are quite different to genes in a different population) (Houlden et al ...

Koalas and genetic diversity - Quintin Lau Research

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Human genetic variation is the genetic differences in and among populations. There may be multiple variants of any given gene in the human population (), a situation called polymorphism. No two humans are genetically identical. Even monozygotic twins (who develop from one zygote) have infrequent genetic differences due to mutations occurring during development and gene copy-number variation.

Human genetic variation - Wikipedia

To evaluate the origin, genetic diversity, and population structure of domesticated rabbits in Kenya, a 263-base pair region of mtDNA D-loop region of 111 rabbits sampled from Kakamega, Vihiga, and Bungoma counties in the western region, Laikipia and Nyandarua counties in the central region, and Kitui, Machakos, and Makueni in the eastern region of the country were analyzed. The average ...

Origin, Genetic Diversity, and Population Structure of ...

Genetic diversity of European populations of the oak fine-root pathogen *Phytophthora quercina*
Diversité génétique des populations européennes de *Phytophthora quercina*, pathogène des fines racines de chênes
Genetische Diversität von *Phytophthora quercina*, einem Feinwurzel - Pathogen an Eichen in Europa

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