

Genetic Diversity In European Populations Evolutionary Evidence And Medical Implications

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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

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 ...

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 ...

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 structure of European *Castanea sativa* populations appears to be due to natural and artificial selection and local effects of isolation by distance. In this paper we present genetic variation among 31 natural populations of chestnut.

GENETIC DIVERSITY IN EUROPEAN CHESTNUT POPULATIONS

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 ...

In any case, a severe kākāpō population decline happened relatively recently, which has implications for genetic diversity. If a population becomes small quickly, genetic diversity may be lost more rapidly than in a gradual reduction, although this depends on the measure of diversity (Nei et al. 1975; Allendorf 1986; England et al. 2003).

European Colonization, Not Polynesian Arrival, Impacted ...

The majority of studies of genetic association with disease have been performed in Europeans. This European bias has important implications for risk prediction of diseases across global populations. In this commentary, we justify the need to study more diverse populations using both empirical examples and theoretical reasoning.

The Missing Diversity in Human Genetic Studies: Cell

The long-running multi-center research project highlighted the lack of diversity in genetic research in a new paper. Fred Hutch file photo “Genetic research is predominantly conducted in European descent populations which leads to a bias in the genetic risk variants that have been identified,” said Dr. Ulrike “Riki” Peters, ...

Lack of diversity in genetic research a problem

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 ...

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 ...

Tishkoff stresses that ignoring genomic diversity means that right now, genetically informed health care is worse, in some cases, for populations of non-European descent.

Human Genomics Research Has A Diversity Problem - NPR.org

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

Genetic diversity of European populations of the oak fine ...

Characterising genetic diversity and structure of populations is essential for effective conservation of threatened species. The Greater Spotted Eagle (*Clanga clanga*), a large and globally vulnerable raptor, is extinct or in severe decline in most of its previous range in Europe.

High genetic diversity and low differentiation retained in ...

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 ...

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

Progress in plant breeding is facilitated by accurate information about genetic structure and diversity. Here, Diversity Array Technology (DArT) was used to characterize a population of 94 bread wheat (*Triticum aestivum* L.) varieties of mainly European origin. In total, 1,849 of 7,000 tested markers were polymorphic and could be used for population structure analysis.

Genetic Diversity and Population Structure Analysis of ...

Although the population of Griffon vulture from Serbia experienced a serious bottleneck during the last decade of the twentieth century, it retained its rich genetic diversity which can be observed even when compared to the biggest and historically most stable population of Europe, the population from the Iberian Peninsula i.e. Pyrenees 40.

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