

[Genotype analysis of six popular dog breeds finds reduced genetic diversity within subpopulations \(prnewswire.com\)](https://www.prnewswire.com/news-releases/genotype-analysis-of-six-popular-dog-breeds-finds-reduced-genetic-diversity-within-subpopulations-301085747.html)

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Genotype analysis of six popular dog breeds finds reduced genetic diversity within subpopulations



Study finds differentiation attributed to selective breeding practices and geographic isolation

NEWS PROVIDED BY
Wisdom Health →
Jun 30, 2020, 09:02 ET

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VANCOUVER, Wash., June 30, 2020 /PRNewswire/ -- Wisdom Health Genetics, the world's leader in pet genetics and makers of the WISDOM PANEL™ dog DNA tests, announced today the publication in *Canine Medicine and Genetics* of a study conducted in collaboration with the University of Eastern Finland.

The study, [Variation in breeding practices and geographic isolation drive subpopulation differentiation, contributing to the loss of genetic diversity within dog breed lineages](#), describes genetic subpopulation differentiation and related loss of genetic diversity discovered in six dog breeds: the Belgian Shepherd, English Greyhound, Finnish Lapphund, Italian Greyhound, Labrador Retriever, and Shetland Sheepdog.

Researchers examined the six popular dog breeds based on differential breeding strategies -- such as breeding for

[Unexpected genetic variant combinations discovered at Agouti Signaling Protein \(ASIP\) locus in dogs \(prnewswire.com\)](https://www.prnewswire.com/news-releases/unexpected-genetic-variant-combinations-discovered-at-agouti-signaling-protein-asip-locus-in-dogs-301095844.html)

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Unexpected genetic variant combinations discovered at Agouti Signaling Protein (ASIP) locus in dogs



Expansion of landmark study of dog coat colors finds new ASIP allele variant combinations, suggest chromosomal rearrangement may be responsible for atypical genotypes

NEWS PROVIDED BY
Wisdom Health →
Jul 22, 2020, 09:02 ET

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VANCOUVER, Wash., July 22, 2020 /PRNewswire/ -- Wisdom Health Genetics, the world's leader in pet genetics and makers of the WISDOM PANEL™ dog DNA tests, announced today the publication in *Genes* of a study conducted by Purdue University and Wisdom Health Genetics.

In the study, [Atypical genotypes for canine Agouti Signaling Protein suggest novel chromosomal rearrangement](#), researchers characterize atypical genotypes for one of the proteins responsible for regulating the pigment in a dog's coat, known as *Agouti Signaling Protein (ASIP)*.

Using Wisdom Health Genetics' database of nearly two million DNA samples, this study found that a small number of

[Wisdom Health Genetics Rolls Out Enhanced Dog DNA Tests \(prnewswire.com\)](https://www.prnewswire.com/news-releases/wisdom-health-genetics-rolls-out-enhanced-dog-dna-tests-301057374.html)



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Wisdom Health Genetics Rolls Out Enhanced Dog DNA Tests

Designed for new pet parents, Wisdom Panel™ Essential dog DNA test provides breed, ancestry, trait and health insights; Wisdom Panel™ Premium dog DNA test includes the most comprehensive health screening of its kind



NEWS PROVIDED BY
Wisdom Health →
May 12, 2020, 09:02 ET



VANCOUVER, Wash., May 12, 2020 /PRNewswire/ -- **Wisdom Health Genetics**, the world's leader in pet genetics and makers of the Wisdom Panel™ dog DNA tests, announced today the launch of two new and improved dog DNA tests: the Wisdom Panel™ Essential test and the Wisdom Panel™ Premium test.

The Wisdom Panel™ Essential test is geared toward pet parents who have recently adopted a puppy or a "new to you" dog, offering breed, traits, and 25+ actionable health tests, providing information to help you and your veterinarian manage your dog's medical care. The Wisdom Panel™ Premium test provides all that the Wisdom Panel™ Essential version does, plus health analysis including 250+ health and trait tests. The results of both tests are ready in as little as two weeks.

Both Wisdom Panel™ tests detect genetic contributions from more than 350 breeds, types, and varieties to offer the most comprehensive breed analysis on the market. All Wisdom Panel™ test results include a detailed breed analysis

[Newly identified genetic variant in dogs reveals insights into early lung disease, provides clues about similar disease in humans \(prnewswire.com\)](https://www.prnewswire.com/news-releases/newly-identified-genetic-variant-in-dogs-reveals-insights-into-early-lung-disease-provides-clues-about-similar-disease-in-humans)

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Newly identified genetic variant in dogs reveals insights into early lung disease, provides clues about similar disease in humans



Researchers identify gene variant responsible for neonatal interstitial lung disease in Airedale Terriers, providing valuable information for human disease biology

NEWS PROVIDED BY
Wisdom Health →
Apr 07, 2020, 09:03 ET



VANCOUVER, Wash., April 7, 2020 /PRNewswire/ -- WISDOM HEALTH™ Genetics - the world's leader in pet genetics and makers of the WISDOM PANEL™ dog DNA test, announced today the publication in PLOS Genetics of a study conducted by the University of Helsinki with support from the Wisdom Health Labs.

The study, [Recessive missense LAMP3 variant associated with defect in lamellar body biogenesis and fatal neonatal interstitial lung disease in dogs](#), identifies LAMP3 as a gene associated with a developmental lung disease in Airedale Terriers.

"This discovery has significant potential value for both veterinary and human medicine alike because of the similarities