canix
HUNDE DNA DIAGNOSTIK

DNA Screening - Results for

JEFFREY

Name:	Jeffrey
Owner:	Marion Mustermann
Breed:	Poodle Standard
Gender:	male
Date of Birth:	03.06.2016
Chip-Nr.:	123456789
Registration/Pedigree-Nr.:	123456789
Date:	11.12.2017

HEALTH
SUMMARY

Jeffrey is not at risk for any of the tested disorders

AT RISK
(Gefährdet)

0

CARRIER
(Träger)

0

CLEAR
(Frei)

190

HEALTH
DISORDERS THAT WERE TESTED

TYPE	DISORDER	STATUS
Blood Disorders	Bleeding disorder due to P2RY12 defect	CLEAR
Blood Disorders	Canine Cyclic Neutropenia, Cyclic Hematopoiesis, Grey Collie Syndrome, (CN)	CLEAR
Blood Disorders	Canine Leukocyte Adhesion Deficiency (CLAD), type III	CLEAR
Blood Disorders	Canine Scott Syndrome, (CSS)	CLEAR
Blood Disorders	Factor IX Deficiency or Hemophilia B; mutation Gly379Glu	CLEAR
Blood Disorders	Factor IX Deficiency or Hemophilia B; mutation originally found in Airedale Terrier	CLEAR
Blood Disorders	Factor IX Deficiency or Hemophilia B; mutation originally found in German Wirehaired Pointer	CLEAR
Blood Disorders	Factor IX Deficiency or Hemophilia B; mutation originally found in Lhasa Apso	CLEAR
Blood Disorders	Factor VII Deficiency	CLEAR
Blood Disorders	Factor VIII Deficiency or Hemophilia A; mutation originally found in Boxer	CLEAR
Blood Disorders	Factor VIII Deficiency or Hemophilia A; mutation originally found in German Shepherd Dog	CLEAR
Blood Disorders	Factor VIII Deficiency or Hemophilia A; mutation originally found in Old English Sheepdog	CLEAR
Blood Disorders	Factor VIII Deficiency or Hemophilia A; p.Cys548Tyr mutation originally found in German Shepherd	CLEAR
Blood Disorders	Factor XI Deficiency	CLEAR
Blood Disorders	Glanzmann Thrombasthenia Type I, (GT); mutation originally found in mixed breed dogs	CLEAR
Blood Disorders	Glanzmann Thrombasthenia Type I, (GT); mutation originally found in Pyrenean Mountain Dog	CLEAR
Blood Disorders	Hereditary Elliptocytosis	CLEAR
Blood Disorders	Hereditary Phosphofructokinase (PFK) Deficiency	CLEAR
Blood Disorders	Macrothrombocytopenia; disease-linked variant originally found in Norfolk and Cairn Terrier	CLEAR
Blood Disorders	May-Hegglin Anomaly (MHA)	CLEAR
Blood Disorders	Prekallikrein Deficiency	CLEAR
Blood Disorders	Pyruvate Kinase Deficiency; mutation originally found in Basenji	CLEAR
Blood Disorders	Pyruvate Kinase Deficiency; mutation originally found in Beagle	CLEAR
Blood Disorders	Pyruvate Kinase Deficiency; mutation originally found in Pug	CLEAR
Blood Disorders	Pyruvate Kinase Deficiency; mutation originally found in West Highland White Terrier	CLEAR
Blood Disorders	Thrombopathia; mutation originally found in Basset Hound	CLEAR
Blood Disorders	Thrombopathia; mutation originally found in Eskimo Spitz	CLEAR
Blood Disorders	Thrombopathia; mutation originally found in Landseer	CLEAR
Blood Disorders	Trapped Neutrophil Syndrome, (TNS)	CLEAR
Blood Disorders	Von Willebrand's Disease (vWD) Type 1	CLEAR
Blood Disorders	Von Willebrand's Disease (vWD) Type 3; mutation originally found in Kooikerhondje	CLEAR
Blood Disorders	Von Willebrand's Disease (vWD) Type 3; mutation originally found in Scottish Terrier	CLEAR
Blood Disorders	Von Willebrand's Disease (vWD) Type 3; mutation originally found in Shetland Sheepdog	CLEAR
Cardiac Disorders	Dilated Cardiomyopathy, (DCM); mutation originally found in Schnauzer	CLEAR
Cardiac Disorders	Long QT Syndrome	CLEAR
Dermal Disorders	Dystrophic Epidermolysis Bullosa; mutation originally found in Central Asian Ovcharka	CLEAR
Dermal Disorders	Dystrophic Epidermolysis Bullosa; mutation originally found in Golden Retriever	CLEAR
Dermal Disorders	Epidermolytic Hyperkeratosis	CLEAR
Dermal Disorders	Focal Non-Epidermolytic Palmoplantar Keratoderma, (FNEPPK); mutation originally found in Dogue de Bordeaux	CLEAR
Dermal Disorders	Hereditary Footpad Hyperkeratosis, (HFH)	CLEAR

Dermal Disorders	Ichthyosis; mutation originally found in American Bulldog	CLEAR
Dermal Disorders	Ichthyosis; mutation originally found in Great Dane	CLEAR
Dermal Disorders	Lamellar Ichthyosis, (LI)	CLEAR
Dermal Disorders	Ligneous Membranitis	CLEAR
Dermal Disorders	Musladin-Lueke syndrome, (MLS)	CLEAR
Dermal Disorders	X-Linked Ectodermal Dysplasia, (XHED)	CLEAR
Endocrine Disorders	Congenital Hypothyroidism; mutation originally found in Tenterfield Terrier	CLEAR
Endocrine Disorders	Congenital Hypothyroidism; mutation originally found in Toy Fox and Rat Terrier	CLEAR
Immunological Disorders	Autosomal Recessive Severe Combined Immunodeficiency, (ARSCID)	CLEAR
Immunological Disorders	Complement 3 (C3) Deficiency	CLEAR
Immunological Disorders	Myeloperoxidase Deficiency	CLEAR
Immunological Disorders	Severe Combined Immunodeficiency in Frisian Water Dogs, (SCID)	CLEAR
Immunological Disorders	X-Linked Severe Combined Immunodeficiency (XSCID); mutation originally found in Basset Hound	CLEAR
Immunological Disorders	X-Linked Severe Combined Immunodeficiency (XSCID); mutation originally found in Cardigan Welsh Corgi	CLEAR
Metabolic Disorders	Glycogen Storage Disease Type Ia, (GSD Ia)	CLEAR
Metabolic Disorders	Glycogen Storage Disease Type II or Pompe's Disease, (GSD II)	CLEAR
Metabolic Disorders	Glycogen Storage Disease Type IIIa, (GSD IIIa)	CLEAR
Metabolic Disorders	Hypocatalasia or Acatalasemia	CLEAR
Metabolic Disorders	Intestinal Cobalamin Malabsorption or Imerslund-Gräsbeck Syndrome, (IGS); mutation originally found in Beagle	CLEAR
Metabolic Disorders	Intestinal Cobalamin Malabsorption or Imerslund-Gräsbeck Syndrome, (IGS); mutation originally found in Border Collie	CLEAR
Metabolic Disorders	Mucopolysaccharidosis Type IIIA, (MPS IIIA); mutation originally found in Dachshund	CLEAR
Metabolic Disorders	Mucopolysaccharidosis Type IIIA, (MPS IIIA); mutation originally found in New Zealand Huntaway	CLEAR
Metabolic Disorders	Mucopolysaccharidosis Type VII, (MPS VII); mutation originally found in Brazilian Terrier	CLEAR
Metabolic Disorders	Mucopolysaccharidosis Type VII, (MPS VII); mutation originally found in German Shepherd	CLEAR
Metabolic Disorders	Pyruvate Dehydrogenase Phosphatase 1 (PDP1) Deficiency	CLEAR
Muscular Disorders	Cavalier King Charles Spaniel Muscular Dystrophy, (CKCS-MD)	CLEAR
Muscular Disorders	CentronuFREIMyopathy, (CNM); mutation originally found in Great Dane	CLEAR
Muscular Disorders	CentronuFREIMyopathy, (CNM); mutation originally found in Labrador Retriever	CLEAR
Muscular Disorders	Duchenne or Dystrophin Muscular Dystrophy, (DMD); mutation originally found in Golden Retriever	CLEAR
Muscular Disorders	Duchenne or Dystrophin Muscular Dystrophy, (DMD); mutation originally found in Norfolk Terrier	CLEAR
Muscular Disorders	Muscular Dystrophy, Ullrich-type; mutation originally found in Landseer	CLEAR
Muscular Disorders	Myostatin deficiency (Double Muscling, „Bully")	CLEAR
Muscular Disorders	Myotonia Congenita; mutation originally found in Australian Cattle Dog	CLEAR
Muscular Disorders	Myotonia Congenita; mutation originally found in Miniature Schnauzer	CLEAR
Muscular Disorders	Myotubular Myopathy; mutation originally found in Rottweiler	CLEAR
Muscular Disorders	Nemaline Myopathy; mutation originally found in American Bulldog	CLEAR
Muscular Disorders	X-Linked Myotubular Myopathy	CLEAR
Neurological Disorders	Alaskan Husky Encephalopathy, (AHE)	CLEAR
Neurological Disorders	Alexander Disease (AxD); mutation originally found in Labrador Retriever	CLEAR
Neurological Disorders	Bandera's Neonatal Ataxia, (BNAt)	CLEAR
Neurological Disorders	Benign Familial Juvenile Epilepsy or Remitting Focal Epilepsy	CLEAR
Neurological Disorders	Cerebellar Cortical Degeneration, (CCD); mutation originally found in Vizsla	CLEAR
Neurological Disorders	Cerebral Dysfunction; mutation originally found in Friesian Stabyhoun	CLEAR
Neurological Disorders	Dandy-Walker-Like Malformation (DWLM); mutation originally found in Eurasier	CLEAR
Neurological Disorders	Early-Onset Progressive Polyneuropathy; mutation originally found in Alaskan Malamute	CLEAR

Neurological Disorders	Early-Onset Progressive Polyneuropathy; mutation originally found in Greyhound	CLEAR
Neurological Disorders	Fetal Onset Neuroaxonal Dystrophy, (FNAD)	CLEAR
Neurological Disorders	Hereditary Ataxia or Cerebellar Ataxia; mutation originally found in Old English Sheepdog and Gordon Setter	CLEAR
Neurological Disorders	Hyperekplexia or Startle Disease	CLEAR
Neurological Disorders	Hypomyelination; mutation originally found in Weimaraner	CLEAR
Neurological Disorders	Juvenile Myoclonic Epilepsy, (JME); mutation originally found in Rhodesian Ridgeback	CLEAR
Neurological Disorders	L-2-Hydroxyglutaric aciduria, (L2HGA); mutation originally found in Staffordshire Bull Terrier	CLEAR
Neurological Disorders	L-2-Hydroxyglutaric aciduria, (L2HGA); mutation originally found in West Highland White Terrier	CLEAR
Neurological Disorders	Lagotto Storage Disease, (LSD)	CLEAR
Neurological Disorders	Neonatal Cerebellar Cortical Degeneration or Cerebellar Abiotrophy, (NCCD)	CLEAR
Neurological Disorders	Neonatal Encephalopathy with Seizures, (NEWS)	CLEAR
Neurological Disorders	Neuroaxonal Dystrophy (NAD); mutation originally found in Spanish Water Dog	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 1, (NCL1); mutation originally found in Dachshund	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 10, (NCL10); mutation originally found in American Bulldog	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 5, (NCL5); mutation originally found in Border Collie	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 8, (NCL8); mutation originally found in Alpine Dachsbracke	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 8, (NCL8); mutation originally found in Australian Shepherd	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis 8, (NCL8); mutation originally found in English Setter	CLEAR
Neurological Disorders	Neuronal Ceroid Lipofuscinosis, (NCL7); mutation originally found in Chinese Crested Dog and Chihuahua	CLEAR
Neurological Disorders	Polyneuropathy with ocular abnormalities and neuronal vacuolation, (POANV); mutation originally found in Black Russian Terrier	CLEAR
Neurological Disorders	Progressive Early-Onset Cerebellar Ataxia; mutation originally found in Finnish Hound	CLEAR
Neurological Disorders	Sensory Neuropathy; mutation originally found in Border Collie	CLEAR
Neurological Disorders	Spinal Dysraphism	CLEAR
Neurological Disorders	Spinocerebellar Ataxia with Myokymia and/or Seizures (SCA)	CLEAR
Neurological Disorders	Spinocerebellar Ataxia/ Late-Onset Ataxia (SCA, LOA)	CLEAR
Neurological Disorders	Spongy degeneration with cerebellar ataxia, (SDCA1); mutation originally found in Belgian Shepherd Dog	CLEAR
Neurological Disorders	X-Linked Tremors; mutation originally found in English Springer Spaniel	CLEAR

Neuromuscular Disorders	Congenital Myasthenic Syndrome (CMS); mutation originally found in Labrador Retriever	CLEAR
Neuromuscular Disorders	Congenital Myasthenic Syndrome, (CMS); mutation originally found in Jack Russell Terrier	CLEAR
Neuromuscular Disorders	Congenital Myasthenic Syndrome, (CMS); mutation originally found in Old Danish Pointing Dog	CLEAR
Neuromuscular Disorders	Globoid Cell Leukodystrophy or Krabbe Disease, (GLD); mutation originally found in Irish Setter	CLEAR
Neuromuscular Disorders	Globoid Cell Leukodystrophy or Krabbe Disease, (GLD); mutation originally found in Terriers	CLEAR
Neuromuscular Disorders	GM1 Gangliosidosis; mutation originally found in Alaskan Husky	CLEAR
Neuromuscular Disorders	GM1 Gangliosidosis; mutation originally found in Portuguese Water Dog	CLEAR
Neuromuscular Disorders	GM1 Gangliosidosis; mutation originally found in Shiba Dog	CLEAR
Neuromuscular Disorders	GM2 Gangliosidosis, mutation originally found in Japanese Chin	CLEAR
Neuromuscular Disorders	GM2 Gangliosidosis; mutation originally found in Toy Poodle	CLEAR
Neuromuscular Disorders	Paroxysmal Dyskinesia, (PxD); mutation originally found in Irish Soft Coated Wheaten Terrier	CLEAR

Ocular Disorders	Canine Multifocal Retinopathy 1, (CMR1); Mastiff-related breeds mutation	CLEAR
Ocular Disorders	Canine Multifocal Retinopathy 2, (CMR2); mutation originally found in Coton de Tulear	CLEAR
Ocular Disorders	Canine Multifocal Retinopathy 3, (CMR3); mutation originally found in Lapponian Herder	CLEAR
Ocular Disorders	Cone Degeneration, (CD) or Achromatopsia; mutation originally found in Alaskan Malamute	CLEAR
Ocular Disorders	Cone Degeneration, (CD) or Achromatopsia; mutation originally found in German Shepherd Dog	CLEAR
Ocular Disorders	Cone Degeneration, (CD) or Achromatopsia; mutation originally found in German Shorthaired Pointer	CLEAR
Ocular Disorders	Cone-Rod Dystrophy 1, (crd1); mutation originally found in American Staffordshire Terrier	CLEAR
Ocular Disorders	Cone-Rod Dystrophy 2, (crd2); mutation originally found in American Pit Bull Terrier	CLEAR
Ocular Disorders	Cone-Rod Dystrophy, (cord1-PRA / crd4)	CLEAR
Ocular Disorders	Cone-Rod Dystrophy, Standard Wirehaired Dachshund, (crd SWD)	CLEAR

Ocular Disorders	Congenital Stationary Night Blindness (CSNB)	CLEAR
Ocular Disorders	Dominant Progressive Retinal Atrophy, (DPRA)	CLEAR
Ocular Disorders	Generalized Progressive Retinal Atrophy	CLEAR
Ocular Disorders	Golden Retriever Progressive Retinal Atrophy 1, (GR_PRA 1)	CLEAR
Ocular Disorders	Primary Hereditary Cataract (PHC); mutation originally found in Australian Shepherd	CLEAR
Ocular Disorders	Primary lens luxation (PLL) and glaucoma; mutation originally found in Shar Pei	CLEAR
Ocular Disorders	Primary Lens Luxation, (PLL)	CLEAR
Ocular Disorders	Primary Open Angle Glaucoma (POAG); mutation originally found in Petit Basset Griffon Vendeen	CLEAR
Ocular Disorders	Primary Open Angle Glaucoma, (POAG); mutation originally found in Beagle	CLEAR
Ocular Disorders	Primary Open Angle Glaucoma, (POAG); mutation originally found in Norwegian Elkhound	CLEAR
Ocular Disorders	Primary Open Angle Glaucoma; mutation originally found in Basset Fauve de Bretagne	CLEAR
Ocular Disorders	Progressive Retinal Atrophy Type III, (PRA type III); mutation originally found in Tibetan Spaniel and Tibetan Terrier	CLEAR
Ocular Disorders	Progressive Retinal Atrophy, (CNGA1-PRA); mutation originally found in Shetland Sheepdog	CLEAR
Ocular Disorders	Progressive Retinal Atrophy, (PAP1_PRA); mutation originally found in Papillon and Phalene	CLEAR
Ocular Disorders	Progressive Retinal Atrophy, (PRA); mutation originally found in Basenji	CLEAR
Ocular Disorders	Progressive Retinal Atrophy; mutation originally found in Swedish Vallhund	CLEAR
Ocular Disorders	Rod-Cone Dysplasia 1, (rcd1); mutation originally found in Irish Setter	CLEAR
Ocular Disorders	Rod-Cone Dysplasia 1a, (rdc1a); mutation originally found in Sloughi	CLEAR
Ocular Disorders	Rod-Cone Dysplasia 3, (rcd3)	CLEAR
Ocular Disorders	X-Linked Progressive Retinal Atrophy 1, (XLPRA1)	CLEAR
Ocular Disorders	X-Linked Progressive Retinal Atrophy 2, (XLPRA2)	CLEAR

Other Disorders	Acute Respiratory Distress Syndrome, (ARDS); mutation originally found in Dalmatian	CLEAR
Other Disorders	Amelogenesis Imperfecta, (AI)	CLEAR
Other Disorders	Congenital Keratoconjunctivitis Sicca and Ichthyosiform Dermatosis, (CKCSID)	CLEAR
Other Disorders	Dental Hypomineralisation; mutation originally found in Border Collie	CLEAR
Other Disorders	Narcolepsy; mutation originally found in Dachshund	CLEAR
Other Disorders	Narcolepsy; mutation originally found in Doberman Pinscher	CLEAR
Other Disorders	Narcolepsy; mutation originally found in Labrador Retriever	CLEAR
Other Disorders	Persistent Müllerian Duct Syndrome, (PMDS); mutation originally found in Miniature Schnauzer	CLEAR
Other Disorders	Primary Ciliary Dyskinesia, (PCD)	CLEAR

Renal Disorders	Cystinuria Type I-A; mutation originally found in Newfoundland Dog	CLEAR
Renal Disorders	Cystinuria Type II-A; mutation originally found in Australian Cattle Dog	CLEAR
Renal Disorders	Cystinuria, Type II-B; mutation originally found in Miniature Pinscher	CLEAR
Renal Disorders	Fanconi Syndrome	CLEAR
Renal Disorders	Hyperuricosuria, (HUU)	CLEAR
Renal Disorders	Polycystic Kidney Disease in Bull Terriers, (BTPKD)	CLEAR
Renal Disorders	Primary Hyperoxaluria, (PH); mutation originally found in Coton de Tulear	CLEAR
Renal Disorders	Protein Losing Nephropathy, (PLN); NPHS1 gene variant	CLEAR
Renal Disorders	Renal Cystadenocarcinoma and Nodular Dermatofibrosis, (RCND)	CLEAR
Renal Disorders	X-Linked Hereditary Nephropathy, (XLHN)	CLEAR
Renal Disorders	X-Linked Hereditary Nephropathy, (XLHN); mutation originally found in Navasota Dog	CLEAR
Renal Disorders	Xanthinuria, Type 1a; mutation originally found in mixed breed dogs	CLEAR
Renal Disorders	Xanthinuria, Type 2a; mutation originally found in Toy Manchester Terrier	CLEAR
Renal Disorders	Xanthinuria, Type 2b; mutation originally found in Cavalier King Charles Spaniel and English Cocker Spaniel	CLEAR

Skeletal Disorders	Chondrodysplasia; mutation originally found in Norwegian Elkhound and Karelian Bear Dog	CLEAR
Skeletal Disorders	Cleft Palate; Cleft Lip and Palate with Syndactyly; ADAMTS20 gene mutation originally found in Nova Scotia Duck Tolling Retriever	CLEAR
Skeletal Disorders	Cleft Palate; DLX6 gene mutation originally found in Nova Scotia Duck Tolling Retriever	CLEAR
Skeletal Disorders	Craniomandibular Osteopathy, (CMO); mutation associated with terrier breeds	CLEAR
Skeletal Disorders	Hereditary Vitamin D-Resistant Rickets, (HVDRR)	CLEAR

Skeletal Disorders	Oculoskeletal Dysplasia 2 or Dwarfism-Retinal Dysplasia 2, (OSD2)	CLEAR
Skeletal Disorders	Osteochondrodysplasia; mutation originally found in Miniature Poodle	CLEAR
Skeletal Disorders	Osteogenesis Imperfecta, (OI); mutation originally found in Beagle	CLEAR
Skeletal Disorders	Osteogenesis Imperfecta, (OI); mutation originally found in Dachshund	CLEAR
Skeletal Disorders	Skeletal Dysplasia 2, (SD2)	CLEAR
Skeletal Disorders	Spondylocostal Dysostosis	CLEAR
Skeletal Disorders	Van den Ende-Gupta Syndrome, (VDEGS)	CLEAR

TRAITS
(ÄUSSERE MERKMALE)

COAT COLOUR

TRAIT	TESTED VARIANT	GENOTYPE	INTERPRETATION
Colour Locus E - Extensions		e/E	The dog is likely to express the coat colour defined by the K and A loci. The dog carries recessive red.
Colour Locus B - Brown		B/B || B/bd || bd/bd	The dog doesn't have any of the tested b alleles causing brown colour.
Colour Locus K - Dominant Black		KB/KB || KB/kbr || kbr/kbr	The dog is genetically dominant black or brindle.
Colour Locus A - Agouti		at/a	The dog has genetically tan points or saddle tan pattern. The dog carries recessive black.
Colour Locus S - Piebald or extreme white spotting		S/S	The dog is likely to have solid coat colour with minimal white.
Colour Locus H - Harlequin		h/h	The dog doesn't have harlequin pattern.
Locus C - Albinism	Albinism (caL-allele)	C/C	This dog does not carry the tested mutation for albinism.
Saddle Tan Pattern	Saddle Tan (RALY gene dupl.)	dup/dup	The dog may have tan points if it has tan point genotype at the A locus.

COAT TYPE

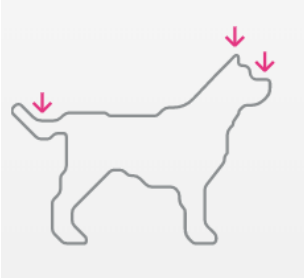
TRAIT	TESTED VARIANT	GENOTYPE	INTERPRETATION
Coat Length		l/l	The dog is genetically long-haired.
Furnishings / Improper Coat in Portuguese Water Dogs (marker test)		AA/TT	The dog is genetically likely to express furnishings.
Curly coat	KRT71	T/T	The dog carries two copies of the tested allele causing curly coat. The dog is likely to have curly hair, if it is long-haired.

PHENOTYPE	LENGTH	FURNISHINGS	CURL
Curly with Furnishings	+	+	+

BODY SIZE

TRAIT	TESTED VARIANT	GENOTYPE	INTERPRETATION
Chondrodysplasia; breed-defining trait	FGF4 insertion	-/-	The dog is homozygous for the ancient allele. The dog is likely to have legs of normal length.
Body size	GHR1 (p.E191K)	G/G	The dog has two copies of the ancestral allele associated with larger body size.
Body size	GHR2 (p.P177L)	C/C	The dog has two copies of the ancestral allele associated with larger body size.
Body size	IGF1 (chr15:41221438)	A/A	The dog is homozygous for the derived allele typically associated with small body mass.
Body size	IGF1R c.611G>A (p.Arg204His)	G/G	The dog carries two ancestral alleles typically found in larger-sized breeds.
Body size	STC2 (chr4:39182836)	T/T	The dog has two copies of the ancestral allele associated with larger body size.

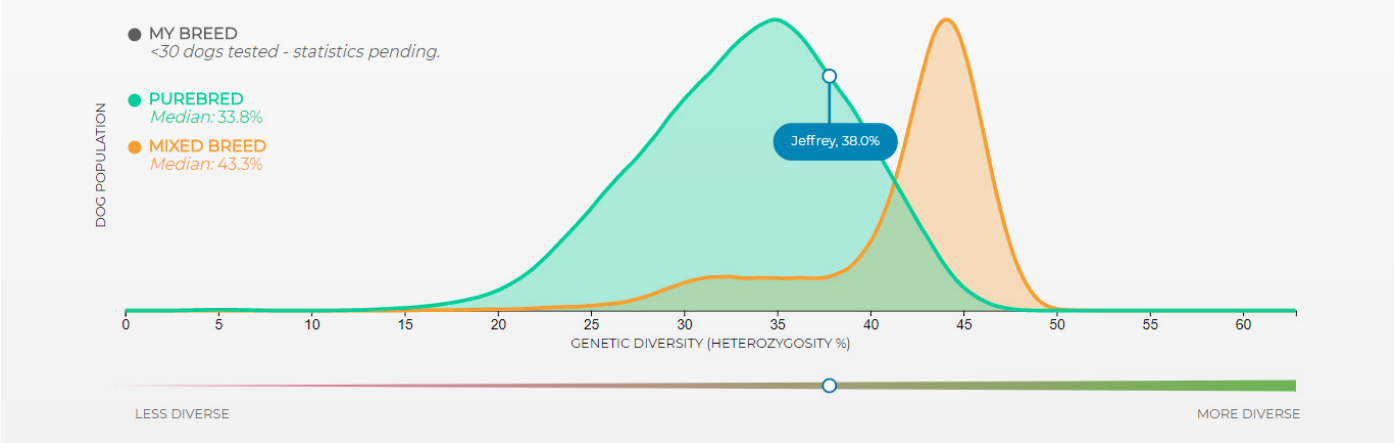
MORPHOLOGY



Trait	Tested variant	Genotype	Description
Skull shape	BMP3 c.1344C>A (p.Phe448Leu)	C/C	The dog does not carry the tested allele typically associated with shortened head (brachycephaly). The dog is more likely to have an elongated head (dolichocephaly).
Bobtail	T c.189C>G (p.Ile63Met)	C/C	The dog does not carry the tested bobtail-causing genetic variant. The dog is most likely long-tailed.
Ear flop	chr10:11072007	C/C	The dog carries two copies of an allele typically associated with floppy ears. The dog is more likely to have floppy than pricked ears.

GENETIC DIVERSITY

The test measures the dog's genetic diversity by screening thousands of sites in its DNA. Genetic diversity represents the heterozygosity level within the breed or breed group.



What does the graph tell about my dog?

The test measures your dog's genome-wide diversity by screening thousands of sites in its DNA.

Genetic diversity is computed as the ratio of measured genetic sites at which your dog is heterozygous, i.e. has inherited a different allele (genetic variant) from its dam and sire.

The graph shows where your dog (blue circle) sits in terms of its genetic diversity when compared to its breed, to a separate breed group and to all of the tested dogs in the database.

The available breed groups appear automatically. If the tested number of individual dogs within your dog breed is less than 30, your dog is shown within its breed group as well as against the entire database.

The more there are tested dogs within breed, the better the graph describes the situation of the diversity level in the breed's gene pool.

- ENDE DES BEFUNDS -

C Reiske

Corinna Reiske, Owner
Pullach im Isartal, December 11, 2017

Erklärung der Ergebnisse

AUTOSOMAL-REZESSIVE VERERBUNG

CLEAR (FREI) - Ein Hund trägt keine Kopie der getesteten Mutation und hat keine oder eine geringere Wahrscheinlichkeit für eine Ausprägung oder Weitergabe der Krankheit/des Merkmals. Eine Erkrankung, welche eine andere genetische Ursache hat, kann auf Basis dieses Nachweises nicht ausgeschlossen werden.

CARRIER (TRÄGER) - Ein Hund trägt eine Kopie der getesteten Mutation. Träger sind in der Regel gesund oder haben ein dem Wildtyp entsprechendes Aussehen. Sie geben die Mutation jedoch zu 50% an ihre Nachkommen weiter. Eine Erkrankung, welche eine andere genetische Ursache hat, kann auf Basis dieses Nachweises nicht ausgeschlossen werden.

AT RISK (GEFÄHRDET) - Ein Hund trägt zwei Kopien der getesteten Mutation und hat ein hohes oder erhöhtes Risiko die Krankheit zu entwickeln oder ein bestimmtes Merkmal auszuprägen.

AUTOSOMAL-DOMINANTE VERERBUNG

CLEAR (FREI) - Ein Hund trägt keine Kopien der getesteten Mutation und hat keine oder eine geringere Wahrscheinlichkeit für eine Ausprägung oder Weitergabe der Krankheit/des Merkmals.

AT RISK (GEFÄHRDET) - Ein Hund trägt eine oder zwei Kopien der getesteten Mutation und hat ein hohes oder erhöhtes Risiko die Krankheit zu entwickeln oder ein bestimmtes Merkmal auszuprägen.

X-CHROMOSOMAL-REZESSIVE VERERBUNG

CLEAR (FREI) - Ein Hund trägt keine Kopie der getesteten Mutation und hat keine oder eine geringere Wahrscheinlichkeit für eine Ausprägung oder Weitergabe der Krankheit/des Merkmals. Eine Erkrankung, welche eine andere genetische Ursache hat, kann auf Basis dieses Nachweises nicht ausgeschlossen werden.

CARRIER (TRÄGER)- Hündinnen sind in der Regel gesund, tragen jedoch eine Kopie der getesteten Mutation auf einem ihrer beiden X- Chromosomen. Da Rüden nur ein X-Chromosom haben, gibt es keine männlichen Träger, sondern nur Gefährdete.

AT RISK (GEFÄHRDET) – Gefährdete Hündinnen tragen zwei mutierte Kopien der getesteten Mutation. Rüden tragen eine Kopie der getesteten Mutation auf ihrem einzigen X-Chromosom. Gefährdete Hunde haben ein hohes oder erhöhtes Risiko die Krankheit zu entwickeln oder ein bestimmtes Merkmal auszuprägen.

NO CALL – konnte in der Analyse nicht nachgewiesen werden