

CALHOUN'S DASH OF CAYENNE

Reg: SS37274201

Report ID: 2351-1394-3123-7022



Golden Retriever DLA			
	DLA I	DLA II	
Haplotype 1	1003	2001	Maintaining diversity in the DLA which helps regulate immune responses is beneficial to a breed. Choosing mates differing in their DLA haplotypes helps maintain diversity in litters.
Haplotype 2	1066	2048	

www.vgl.ucdavis.edu

ALBANY, OR 97322

CANINE GENETIC DIVERSITY TEST REPORT

Provided Information:		Case:	NCD245155
Name:	CALHOUN'S DASH OF CAYENNE	Date Received:	30-Sep-2024
Registration:	SS37274201	Report Issue Date:	04-Oct-2024
		Report ID:	2351-1394-3123-7022
Verify report at vgl.ucdavis.edu/verify			
DOB: 08/31/2022 Sex: Female Breed: Golden Retriever Microchip: 956000014299524 Color: Dark gold			
Call Name: Pepper			
Sire:	WILDFIRE DASH O' TABASCO	Dam:	GRAPEVINE'S HAVE YOU HEARD THE LATEST
Reg:	SR01749906	Reg:	SS10053503
Microchip:		Microchip:	

INTERNAL RELATEDNESS

IR = -0.02 (-0.05 to 0.02)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1003	2001
Haplotype 2	1066	2048

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	102/96	2: AHT137	143/145	3: AHTH130	121/125
4: AHTh171-A	227/227	5: AHTh260	244/246	6: AHTk211	91/93
7: AHTk253	286/286	8: C22.279	118/120	9: FH2001	132/148
10: FH2054	168/172	11: FH2848	238/238	12: INRA21	91/95
13: INU005	126/126	14: INU030	150/152	15: INU055	214/218
16: LEI004	95/97	17: REN105L03	231/239	18: REN162C04	204/204
19: REN169D01	212/216	20: REN169O18	162/170	21: REN247M23	268/268
22: REN54P11	226/234	23: REN64E19	145/153	24: VGL0760	20.2/21.2
25: VGL0910	18.1/19.1	26: VGL1063	13/13	27: VGL1165	28/28
28: VGL1828	16/19	29: VGL2009	12/14	30: VGL2409	14/16
31: VGL2918	17.3/19.3	32: VGL3008	21/21	33: VGL3235	12/15

CANINE GENETIC DIVERSITY TEST REPORT

Client/Owner/Agent Information: TRACY CALHOUN 36290 GERIG DR SE ALBANY, OR 97322	Case: NCD245155 Date Received: 30-Sep-2024 Report Issue Date: 04-Oct-2024 Report ID: 2351-1394-3123-7022 Verify report at vgl.ucdavis.edu/verify
Name: CALHOUN'S DASH OF CAYENNE	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Canine Genetic Diversity test results, please visit our website at:
vgl.ucdavis.edu/test/canine-genetic-diversity

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211

GOLDEN RETRIEVER GENETIC HEALTH PANEL TEST REPORT

Provided Information:		Case:	NCD245155
Name:	CALHOUN'S DASH OF CAYENNE	Date Received:	30-Sep-2024
Registration:	SS37274201	Report Issue Date:	07-Oct-2024
		Report ID:	9089-4209-8318-1133
Verify report at vgl.ucdavis.edu/verify			
DOB: 08/31/2022 Sex: Female Breed: Golden Retriever Microchip: 956000014299524 Color: Dark gold			
Call Name: Pepper			
Sire:	WILDFIRE DASH O' TABASCO	Dam:	GRAPEVINE'S HAVE YOU HEARD THE LATEST
Reg:	SR01749906	Reg:	SS10053503
Microchip:		Microchip:	

RESULT

INTERPRETATION

Congenital Ichthyosis 1 (Ich1)	N/N	Normal. Dog does not have the variant associated with congenital ichthyosis 1 found in Golden Retrievers.
Congenital Ichthyosis 2 (Ich2)	N/N	Normal. Dog does not have the variant associated with congenital ichthyosis 2 found in Golden Retrievers.
Congenital Myasthenic Syndrome (CMS)	N/N	Normal. Dog does not have the variant associated with congenital myasthenic syndrome found in Golden Retrievers.
Degenerative Myelopathy (DM)	N/N	No copies of the DM mutation.
Neuronal Ceroid Lipofuscinosis (NCL)	N/N	Normal. Dog does not have the variant associated with neuronal ceroid lipofuscinosis found in Golden Retrievers.
Progressive Retinal Atrophy (PRA1)	N/N	Normal. Dog does not have the variant associated with PRA1 found in Golden Retrievers.
Progressive Retinal Atrophy (PRA2)	N/N	Normal. Dog does not have the variant associated with PRA2 found in Golden Retrievers.
Progressive Rod-Cone Degeneration (PRCD)	N/N	Normal. No copies of this progressive rod-cone degeneration (PRA-prcd) allele detected.
Sensory Ataxic Neuropathy (SAN)	N/N	Normal. Dog does not have the variant associated with sensory ataxic neuropathy found in Golden Retrievers.

GOLDEN RETRIEVER GENETIC HEALTH PANEL TEST REPORT

Client/Owner/Agent Information: TRACY CALHOUN 36290 GERIG DR SE ALBANY, OR 97322	Case: NCD245155 Date Received: 30-Sep-2024 Report Issue Date: 07-Oct-2024 Report ID: 9089-4209-8318-1133 Verify report at vgl.ucdavis.edu/verify
Name: CALHOUN'S DASH OF CAYENNE	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Golden Retriever Genetic Health Panel test results, please visit our website at:
vgl.ucdavis.edu/panel/golden-retriever-health-panel

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

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Degenerative Myelopathy is associated with a genetic variant in the *SOD1* gene (c.118G>A). We therefore denote this associated allele as DM on our reports.

Many dog breeds carry the *SOD1* allele associated with Degenerative Myelopathy. The following breeds have been reported as having **clinically-affected** individuals with two copies of the *SOD1* associated variant (denoted on our report as **DM/DM**): American Eskimo Dog, Australian Shepherd, Bernese Mountain Dog, Bloodhound, Borzoi, Boxer, Cardigan Welsh Corgi, Cavalier King Charles Spaniel, Chesapeake Bay Retriever, Czech Wolfhound, English Springer Spaniel, German Shepherd, Golden Retriever, Hovawart, Kerry Blue Terrier, Labrador Retriever, Pembroke Welsh Corgi, Pug, Rhodesian Ridgeback, Rough Collie, Soft Coated Wheaten Terrier, Standard Poodle, and Wire Fox Terrier. Testing is advisable for these breeds.

There have also been reports of crossbred dogs with two copies of the *SOD1* allele that were clinically affected by degenerative myelopathy.

What do the results mean for my dog?

Within clinically-affected breeds, dogs with two copies of DM (**DM/DM**) are considered at higher risk for developing clinical signs of DM. However, not all dogs that are DM/DM will develop clinical signs of disease, and not all cases of degenerative myelopathy are explained by the DM/DM result.

Why some DM/DM dogs display symptoms of disease and others do not, is not yet known, but one hypothesis is that there are other genetic modifiers that contribute to risk. This is still under investigation.

Dogs with one copy of DM (**N/DM**) are not expected to develop clinical signs of degenerative myelopathy. They are considered carriers, because they carry the allele associated with disease.

Please note that there may be other causes for degenerative myelopathy in the dog that are not explained by the *SOD1* variant (c.118G>A) tested by the VGL.

What about breeding my dog?

Dogs with a DM/DM genotype will pass on the DM allele to all of their offspring.

Dogs with an N/DM genotype may pass on the DM allele to ~50% of their offspring. If bred to another N/DM dog, 25% of puppies will be expected to have a DM/DM genotype and be at increased risk for developing DM.

For more detailed information about DM, visit <https://vgl.ucdavis.edu/test/degenerative-myelopathy>