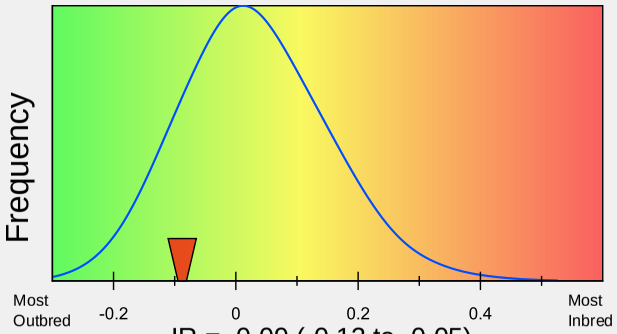
DOG GENETIC DIVERSITY ANALYSIS

PRISTINE'S MR. MACKEY

Breed: Poodle, Standard
Sex: Male
Color: Black
DOB: 2019
Reg: GE801241

Case: NCD135628
Print Date: January 4, 2021
Report ID: 1470-1241-6668-8133

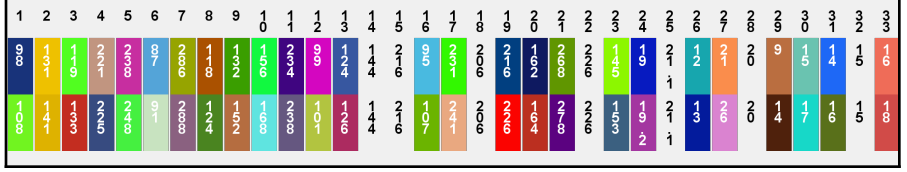
Poodle IR



IR = -0.09 (-0.12 to -0.05)

Internal relatedness (IR) is an allele frequency weighted indicator of homozygosity. IR values of siblings vary due to segregation but will increase on average with inbreeding. Lower IR values indicate greater genetic diversity. IR is calculated relative to breed.

Diversity Panel



Poodle DLA

	DLA I	DLA II
Haplotype 1	1003	2001
Haplotype 2	1092	2003

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.

Veterinary Genetics Laboratory
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JUDY NEIL
6028 5TH LINE RD.

CANADA

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

CANINE GENETIC DIVERSITY TEST REPORT

Provided Information:		*Case:*	**NCD135628**
Name:	**PRISTINE'S MR. MACKEY**	*Date Received:*	29-Dec-2020
Registration:	**GE801241**	*Report Issue Date:*	04-Jan-2021
		Report ID:	1470-1241-6668-8133

Verify report at www.vgl.ucdavis.edu/verify

DOB: **03/19/2019** *Sex:* **Male** *Breed:* **Poodle, Standard** *Microchip:* **956000006161371** *Color:* **Black**

Call Name: **Theo**

INTERNAL RELATEDNESS

IR = -0.09 (-0.12 to -0.05)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1003	2001
Haplotype 2	1092	2003

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	108/98	*2: AHT137*	131/141	*3: AHTH130*	119/133
4: AHTh171-A	221/225	*5: AHTh260*	238/248	*6: AHTk211*	87/91
7: AHTk253	286/288	*8: C22.279*	118/124	*9: FH2001*	132/152
10: FH2054	156/168	*11: FH2848*	234/238	*12: INRA21*	101/99
13: INU005	124/126	*14: INU030*	144/144	*15: INU055*	216/216
16: LEI004	107/95	*17: REN105L03*	231/241	*18: REN162C04*	206/206
19: REN169D01	216/226	*20: REN169O18*	162/164	*21: REN247M23*	268/278
22: REN54P11	226/226	*23: REN64E19*	145/153	*24: VGL0760*	19/19.2
25: VGL0910	21.1/21.1	*26: VGL1063*	12/13	*27: VGL1165*	21/26
28: VGL1828	20/20	*29: VGL2009*	9/14	*30: VGL2409*	15/17
31: VGL2918	14/16	*32: VGL3008*	15/15	*33: VGL3235*	16/18

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

CANINE GENETIC DIVERSITY TEST REPORT

Client/Owner/Agent Information:	*Case:* **NCD135628**
JUDY NEIL 6028 5TH LINE RD. CANADA	***Date Received:*** 29-Dec-2020 ***Report Issue Date:*** 04-Jan-2021 ***Report ID:*** 1470-1241-6668-8133 Verify report at www.vgl.ucdavis.edu/verify

Name: **PRISTINE'S MR. MACKEY**

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.

The Veterinary Genetics Laboratory is an institutional member of ISAG. DNA types are reported according to standardized nomenclature for markers in the ISAG panel.

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

For terms and conditions of testing, please see www.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