EVIDENSIA
DIERENZIEKENHUIS
BARENDRECHT

Bijdorp-West 12, 2992 LC Barendrecht
085 - 48 77 090
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Barendrecht, 13-09-2023

Dhr. en Mevr. I van Beusekom [redacted]woude-Rijndijk [redacted]	Kat Mount Desert Juan Carlos, Maine Coon, kater Geboren op 06-12-2022 (0 jaar en 9 maanden) Chipnummer[redacted]6.33 kg

Hartecho middels doppler door: Drs. S. van Haesendonck
Merk en Type echoapparaat: GE Logiq S8 / Probes S10, S4-10, C1-5, M5S, ML6-15, 3Sp
Datum: 13-09-2023

Narcose

Gebruikte narcosemiddel(en): Niet van toepassing.

HCM / PKD screening

Hartfrequentie: 190 sl/min, regelmatig, geen bijgeruis

IVSd: 0.43 cm
IVSs: 0.74 cm
LVIDd: 2.05 cm
LVIDs: 1.11 cm
LVPWd: 0.42 cm
LVPWs: 0.82 cm

FS: 45.68 %
LA/AO: 1.14

2D

IVSd: 0.42 cm
LVWd: 0.5 cm
LA: 1.56 cm

V. Pulmonalis: 0.77 m/s
V. Aorta: 1.35 m/s

SAM= Systolic anterior movement: is niet aanwezig.
Dynamische obstructie van de aorta: is niet aanwezig.
Papillairspieren: zijn normaal van vorm en afmeting.

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Linker nier

Afmeting: 4.63 cm
Normale verhouding cortex/merg. Normale structuur cortex; homogeen en fijnkorrelig. Er zijn geen cystes aanwezig.

Rechter nier

Afmeting: 5.44 cm
Normale verhouding cortex/merg. Normale structuur cortex; homogeen en fijnkorrelig. Er zijn geen cystes aanwezig.

Patella luxatie onderzoek Linkerknie

Voorlopig niet vrij van patellaluxatie

Patella luxatie onderzoek Rechterknie

Vrij van patellaluxatie

Aanvullende onderzoeken

Navelbreuk:	Nee
Testikels:	Ingedaald
FeLV:	Negatief
FIV:	Negatief
Bloedgroepbepaling:	Niet getest vandaag

Conclusie

Op dit moment geen aanwijzingen voor HCM of andere hartaandoeningen zoals een insufficiënte mitraalklep/tricuspedaalklep of stenose aorta/pulmonalis.
Geen aanwijzingen voor PKD of CIN.

Ondertekening

De dierenarts verklaart hierbij op genoemde datum de identiteit van het dier (Mount Desert Juan Carlos, [redacted]) te hebben gecontroleerd en bevestigd. De dierenarts verklaart dit dier te hebben onderworpen aan het onderzoek conform de onderzoeksvoorwaarden zoals opgenomen in het Protocol Patella Luxatie.

Handtekening en stempel dierenarts:

S.P.R. Van Haeringen, dierenarts
Evidensia Dierenziekenhuis Barendrecht
T. 085 - 48 77 090
Registratienummer 10093

WISDOM PANEL™

DNA Test Report

Owner Info

First Name
Iris

Last Name
van Beusekom

Pet Info

Registered Name
Mount Desert's Juan Carlos

Date of Birth
6-12-2022

Nickname (Call Name)
Mount Desert's Juan Carlos

Sample ID
FQJFBMT

Sex
Male

Registration
N/A

Country of Origin
IT

Microchip ID
[redacted]

Owner Reported Breed
Maine Coon

Tattoo ID
N/A

Genetic Diversity (Heterozygosity)

Mount Desert's Juan Carlos's Percentage of Heterozygosity

34%

Mount Desert's Juan Carlos's genome analysis shows an average level of genetic heterozygosity when compared with other Maine Coons.

Typical Range for Maine Coons

32 - 37%

Health Conditions Known in This Breed

Genetic Condition	Gene	Risk Variant	Copies	Result
Factor XII Deficiency (Variant 1)	F12	**Deletion**	**1**	**Notable**
Factor XII Deficiency (Variant 2)	F12	**Deletion**	**1**	**Notable**
Cystinuria Type B (Variant 3)	SCL7A9	T>A	0	Clear
Hypertrophic Cardiomyopathy (Discovered in the Maine Coon)	MYBPC	G>C	0	Clear
MDR1 Medication Sensitivity	ABCB1	Deletion	0	Clear
Polycystic Kidney Disease (PKD)	PKD1	C>A	0	Clear
Pyruvate Kinase Deficiency	PKLR	G>A	0	Clear
Spinal Muscular Atrophy (Discovered in the Maine Coon)	LIX1	Deletion	0	Clear

Other Conditions Tested

Genetic Condition	Gene	Risk Variant	Copies	Result
Acute Intermittent Porphyria (Variant 1)	HMBS	Deletion	0	Clear
Acute Intermittent Porphyria (Variant 2)	HMBS	G>A	0	Clear
Acute Intermittent Porphyria (Variant 3)	HMBS	Insertion	0	Clear
Acute Intermittent Porphyria (Variant 4)	HMBS	Deletion	0	Clear
Acute Intermittent Porphyria (Variant 5)	HMBS	G>A	0	Clear
Autoimmune Lymphoproliferative Syndrome	FASL	Insertion	0	Clear
Burmese Head Defect (Discovered in the Burmese)	ALX1	Deletion	0	Clear
Chediak-Higashi Syndrome (Discovered in the Persian)	LYST	Insertion	0	Clear
Congenital Adrenal Hyperplasia	CYP11B1	G>A	0	Clear
Congenital Erythropoietic Porphyria	UROS	G>A	0	Clear
Congenital Myasthenic Syndrome (Discovered in the Devon Rex and Sphynx)	COLQ	G>A	0	Clear
Cystinuria Type 1A	SCL3A1	C>T	0	Clear

Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
Cystinuria Type B (Variant 1)	SCL7A9	C>T	0	Clear
Cystinuria Type B (Variant 2)	SCL7A9	G>A	0	Clear
Dihydropyrimidinase Deficiency	DPYS	G>A	0	Clear
Earfold and Osteochondrodysplasia (Discovered in the Scottish Fold)	TRPV4	G>T	0	Clear
Familial Episodic Hypokalemic Polymyopathy (Discovered in the Burmese)	WNK4	C>T	0	Clear
Glutaric Aciduria Type II	ETFDH	T>G	0	Clear
Glycogen Storage Disease (Discovered in the Norwegian Forest Cat)	GBE1	Insertion	0	Clear
GM1 Gangliosidosis	GLB1	G>C	0	Clear
GM2 Gangliosidosis	GM2A	Deletion	0	Clear
GM2 Gangliosidosis Type II (Discovered in Domestic Shorthair cats)	HEXB	Insertion	0	Clear
GM2 Gangliosidosis Type II (Discovered in Japanese domestic cats)	HEXB	C>T	0	Clear
GM2 Gangliosidosis Type II (Discovered in the Burmese)	HEXB	0>0	0	Clear
Hemophilia B (Variant 1)	F9	C>T	0	Clear
Hemophilia B (Variant 2)	F9	G>A	0	Clear
Hyperoxaluria Type II	GRHPR	G>A	0	Clear
Hypertrophic Cardiomyopathy (Discovered in the Ragdoll)	MYBPC	C>T	0	Clear
Hypotrichosis (Discovered in the Birman)	FOXN1	Deletion	0	Clear
Lipoprotein Lipase Deficiency	LPL	G>A	0	Clear
Mucopolysaccharidosis Type I	IDUA	Deletion	0	Clear
Mucopolysaccharidosis Type VI	ARSB	T>C	0	Clear
Mucopolysaccharidosis Type VI Modifier	ARSB	G>A	0	Clear
Mucopolysaccharidosis Type VII (Variant 1)	GUSB	G>A	0	Clear

Other Conditions Tested (continued)

Genetic Condition	Gene	Risk Variant	Copies	Result
Mucopolysaccharidosis Type VII (Variant 2)	USB	C>T	0	Clear
Myotonia Congenita	CLCN1	G>T	0	Clear
Progressive Retinal Atrophy (Discovered in the Abyssinian)	CEP290	T>G	0	Clear
Progressive Retinal Atrophy (Discovered in the Bengal)	KIF3B	G>A	0	Clear
Progressive Retinal Atrophy (Discovered in the Persian)	AIPL1	C>T	0	Clear
Sphingomyelinosis (Variant 1)	NPC1	G>C	0	Clear
Sphingomyelinosis (Variant 2)	NPC2	G>A	0	Clear
Vitamin D-Dependent Rickets	CYP27B1	G>T	0	Clear

DNA Test Report

Blood Type

Blood Type

A

(Most common)

Genotype

A/A

Transfusion Risk

Moderate

Mount Desert's Juan Carlos has the most common blood type. He can be transfused with Type A blood.

Breeding Risk

Low

If breeding, Mount Desert's Juan Carlos has a low risk of blood type incompatibility with nursing kittens.

Variant Tested	Description	Copies
b variant 1	(Common b variant)	0
b variant 2	(Discovered in Turkish breeds)	0
b variant 3	(Discovered in Ragdolls)	0
c variant - Causes AB Blood Type	(Discovered in Ragdolls)	0

Coat Color

Genetic Trait	Gene	Variant	Copies	Result
Charcoal (Discovered in the Bengal)	ASIP	A^{Pb}	0	No effect
Solid Color	ASIP	**a**	**1**	**Banded hairs, tabby patterns likely**
Gloving (Discovered in the Birman)	KIT	w^{g}	0	No effect
Partial and Full White	KIT	**W or w^{s}**	**1**	**Partly or fully white coat likely**
Amber (Discovered in the Norwegian Forest Cat)	MC1R	e	0	No effect
Russet (Discovered in the Burmese)	MC1R	e^{r}	0	No effect
Dilution	MLPH	d	0	No effect
Albinism (Discovered in Oriental breeds)	TYR	c^{a}	0	No effect
Colorpoint (Discovered in the Burmese)	TYR	c^{b}	0	No effect
Colorpoint (Discovered in the Siamese)	TYR	c^{s}	0	No effect
Mocha (Discovered in the Burmese)	TYR	c^{m}	0	No effect
Chocolate	TYRP	b	0	No effect
Cinnamon	TYRP	b^{l}	0	No effect

Coat Type

Genetic Trait	Gene	Variant	Copies	Result
Glitter	Confidential	—	0	No effect
Long Hair (Discovered in many breeds)	FGF5	**M4**	**2**	**Long coat likely**
Long Hair (Discovered in the Norwegian Forest Cat)	FGF5	M2	0	No effect
Long Hair (Discovered in the Ragdoll and Maine Coon)	FGF5	M3	0	No effect
Long Hair (Discovered in the Ragdoll)	FGF5	M1	0	No effect
Lykoi Coat (Variant 1)	HR	hr^{Ca}	0	No effect

Coat Type (continued)

Genetic Trait	Gene	Variant	Copies	Result
Lykoi Coat (Variant 2)	HR	hr^{VA}	0	No effect
Hairlessness (Discovered in the Sphynx)	KRT71	re^{hr}	0	No effect
Rexing (Discovered in the Devon Rex)	KRT71	re^{dr}	0	No effect
Rexing (Discovered in the Cornish Rex and German Rex)	LPAR6	r	0	No effect

Tail Length

Genetic Trait	Gene	Variant	Copies	Result
Short Tail (Variant 3)	HES7	jb	0	No effect
Short Tail (Variant 1)	T	C1199del	0	No effect
Short Tail (Variant 2)	T	T988del	0	No effect

Extra Toes

Genetic Trait	Gene	Variant	Copies	Result
Polydactyly (Variant 1)	LIMBR1	HW	0	No effect
Polydactyly (Variant 2)	LIMBR1	UK1	0	No effect
Polydactyly (Variant 3)	LIMBR1	UK2	0	No effect