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Canine Genetic Testing Report



Submitted By
A.P. Pups

Subject Dog 00359137	Date Received: 4/2/2022
Dog Name: Ginger's 4743 Girl <i>Gemma</i>	Registration:
Breed: Cavalier King Charles Spaniel	Microchip: 990000007864743
Phenotype: Chocolate	Sex: Female Birth: 03/16/2022

Sire
Sire Name: Hershey
Breed: Cavalier King Charles Spaniel
Registration:
Phenotype:

Dam
Dam Name: Ginger
Breed: Cavalier King Charles Spaniel
Registration:
Phenotype:

Coat Color Testing			
X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
X	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
X	B Locus	b/b	Dog has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.
	Cocoa		
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.
X	E Locus- e	E/E	Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
X	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
X	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		
	Merle		

Genetic Disorders			
X	CKCSID	n/n	Clear
X	DM	n/DM	Carrier: Dog carries one copy of the mutation associated with SOD1A Degenerative Myelopathy, and could pass on the mutation to any offspring.
X	EFS	n/n	Clear
X	prcd-PRA	n/n	Clear: Dog is negative for the causal prcd-PRA c.5G>A mutation.

Coat Type Testing			
X	Hair Length	l/l	Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	n/n	Non-Curl Coat: Dog does not carry the mutation for coat curl.
X	Furnishings	n/n	Dog is negative for the Furnishings mutation.
X	Shedding	n/n	Negative: Dog is unlikely to be a high shedding dog.

Genetic Marker Results							Run Date:
-	-	-	-	-	-	-	
AHT121	AHT137	AHT171	AHT280	AHT211	AHT263	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-	-	-	
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
 E-Panel: E/E-Dog does not carry the recessive yellow or melanistic mask alleles.

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

GRANPA'S HAPPY GEMMA
registered name

CAVALIER KING CHARLES SPANIEL
breed

film/test/lab #

990000007864743
tattoo/microchip/DNA profile

2569940
application number

08/15/2024
date of report

RESULTS:

Normal cardiovascular examination via auscultation - No evidence of congenital or acquired heart disease was noted. Since acquired heart disease may develop later, these evaluation results remain valid for one year, and annual examinations are recommended to continue to monitor cardiac health.

TS54950601
registration no.

F
sex

03/16/2022
date of birth

28
age at evaluation in months



A Not-For-Profit Organization



KCS-BCA5924/28F/P-VPI
O.F.A. NUMBER

*This number issued with the right to correct or
revoke by the Orthopedic Foundation for Animals.*

NORMAL/CLEAR - PRACTITIONER

owner A.P. Pups



G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 08/15/2024

This certification can be verified on the OFA website by entering the dog's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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Columbia, MO 65201-3806

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E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

GRANPA'S HAPPY GEMMA
registered name

CAVALIER KING CHARLES SPANIEL
breed

film/test/lab #

990000007864743
tattoo/microchip/DNA profile

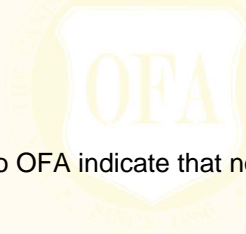
2569940
application number

08/15/2024
date of report

RESULTS:

The results of the examination submitted to OFA indicate that no evidence of patellar luxation was recognized.

owner A.P. Pups



TS54950601
registration no.

F
sex

03/16/2022
date of birth

28
age at evaluation in months



A Not-For-Profit Organization

KCS-PA13099/28F/P-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

NORMAL - PRACTITIONER

OFA eCert



Verify QR scan

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

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