

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

2545-female

Submitted By	Owned By
Happy Tail Pets, LLC  4460 Township Road 617 Millersburg, OH 44654 USA	Happy Tail Pets, LLC  4460 Township Road 617 Millersburg, OH 44654 USA

Subject Dog
<p><b>Name:</b> 2545-female <b>Breed:</b> Cavalier King Charles Spaniel <b>Phenotype:</b> Black Tri <b>Sex:</b> Female <b>Birth:</b> 05/06/2023</p> <p><b>Lab Reference #:</b> 716031 <b>Sample Date:</b> 05/24/2023 <b>Research Date:</b> 05/24/2023 <b>Microchip:</b> 990000007902545</p>

Sire	Dam
<p><b>Sire:</b> Kahlua <b>Breed:</b> Cavalier King Charles Spaniel <b>Phenotype:</b> Chocolate, White &amp; Tan <b>: TS51841701</b></p>	<p><b>Dam:</b> 4396 Chelsey <b>Breed:</b> Cavalier King Charles Spaniel <b>Phenotype:</b> <b>American Kennel Club:</b> TS52972503</p>

Disorder Results(4 of 14)		
CKCSID	n/n	Clear: Dog is negative for mutation associated with Curly Coat Dry Eye.
DM	DM/DM	At Risk: Dog has two copies of the DM mutation and is at a significantly higher risk of developing DM, The mutation will always be passed on to every offspring. Affectedness varies by breed.
EFS	n/n	Clear: Dog is negative for mutation associated with Episodic Falling.
PRA-prcd	n/n	Negative: Dog is negative for the mutation associated with prcd-PRA.

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### Color Results(5 of 14)

A-Locus	<b>at/at</b>	Dog has two copies of the gene causing tan points.
B-Locus	<b>B/b</b>	Dog carries one copy of the gene responsible for chocolate/brown coloration
D-Locus	<b>D/D</b>	Negative: Dog is negative for the mutation associated with a diluted coat color.
E-Locus	<b>E/E</b>	Dog is negative for cream/yellow and negative for mask.
K-Locus	<b>n/n</b>	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

### Pattern Results(1 of 14)

S-Locus	<b>S/S</b>	Homozygous: Dog has two copies of S-Locus resulting in a nearly solid white, parti, or piebald coat color.
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### Trait Results(4 of 14)

Curl 1&2	<b>n/n</b>	The dog is negative for the hair curl allele. The dog will have non-curly hair, and will always pass on the allele responsible for non-curly hair to any offspring
Furnishings	<b>n/n</b>	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	<b>l<sup>1</sup>/l<sup>1</sup></b>	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	<b>n/n</b>	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.