Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

Peanut

Submitted By

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Redtop Canine

Subject Dog

Dog Name: **Peanut**
Breed: **Chihuahua**
Phenotype: **Tan**
Sex: **Male**
Birth: **May 11, 2022**

Lab Reference #: **942723**
Registration: **PAICA2072909001**

Disorder Results (4 of 15)

cord1	**n/n**	Clear: Dog is negative for the mutation associated with cord1-PRA.
DM	**n/n**	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
HUU	**n/n**	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
PRA-prcd	**n/n**	Negative: Dog is negative for the mutation associated with prcd-PRA.

Color Results (5 of 15)

A-Locus	**AY/at**	Dog is fawn/sable and carries for tan point gene.
B-Locus	**b/b**	Dog has two copies of the brown/chocolate gene.
D-Locus	**d/d3**	Homozygous: Dog carries one copy of each of the mutations associated with dilute coat color. The dog's base coat will be diluted.
E-Locus (E, EM, eA, eW, e)	**E/EM**	Dog is negative for cream/yellow and ancient red, and has one copy of mask.
K-Locus	**n/KB**	Both the KB and negative alleles detected; dog can be brindled or express only the base coat.

Pattern Results (2 of 15)

Merle	**n/n**	Clear: Dog is negative for the mutation associated with merle.
S-Locus	**n/n**	Negative: Dog is negative for the S-Locus. No white spotting will be present.

Trait Results (4 of 15)

Curl 1&2	**n/n**	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	**n/n**	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	**l^1/l^1**	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	**n/n**	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.