

**DNA Testing: Owner/Patient Report 10/4/2018**

## Submitter Information

**Owner's Name** Arild Halsen

## Patient Information

**Official Name** Arca Halu Oh Bella Donna

**Call Name** Bella

**Breed** Miniature Schnauzer

**Registration #** NO53181/16

**DOB** 10/19/2016 (1 Years 11 Months)

**Sex** Female (Intact)

**Microchip #** 578098100557898

## Testing Information

**Submission ID** 23117

**Testing Date** 10/1/2018

**Processed By** Alycia Frampton

**Test** Avian Tuberculosis (MAC)-DNA [Fresh EDTA blood]

## Result Information

**Genotype** 1-1 (Homozygous Normal)

**Phenotype** Healthy (Normal, Clear)

**Interpretation** Homozygous Normals (1-1) will not develop signs of Avian Tuberculosis (MAC) and none of their offspring will inherit the mutant (diseased) allele (gene).  
1 = Normal allele (gene); 2 = Mutant allele (gene).

**Sincerely,**

Urs Giger, PD, Dr. med. vet., MS, FVH  
Dipl. ACVIM, ECVIM, & ECVCP  
Charlotte-Newton Sheppard Professor

Karthik Raj, MS  
Research Specialist  
Josephine Deubler Testing Laboratory

**TYPE B PRA TEST REPORT**

**Owner:** Arild Halsen  
Otto Skirstadsvei 11,  
Trondheim, 7022  
Norway

**OG#: 18-4342    Test Completed: 9/18/2018**

**TEST RESULT: HOMOZYGOUS WILD TYPE/CLEAR**

**Call Name: Bella**

**Breed: Miniature Schnauzer**

**Registered Name: Arca Halu Oh Bella Donna**

**Registered Number: NO53181/16**

**ID Number: 578098100557898**

**Birthdate: 10/19/2016    Sex: f**

Dear Arild,

We have tested your **Miniature Schnauzer, Bella**, for Type B PRA:

**Test Result: HOMOZYGOUS WILD TYPE/CLEAR**

This dog's genotype for the predictive genetic marker, "Type B PRA Risk Variant" in Miniature Schnauzers is **Homozygous Wild Type/Clear**. It does not carry any copies of the Type B Risk Variant and is not at risk of developing this form of PRA. Dogs with this genotype can still develop other forms of PRA as, in the Miniature Schnauzer breed, there are at least two forms of PRA, i.e. the Type A PRA mutation and also an as yet uncharacterized PRA-causing mutation.

**Recommendations for Breeding:**

It is recommended that breeding pairs be selected in a way that would not produce puppies that carry two copies of (i.e. are Homozygous Risk Variant for) the Type B PRA Risk Variant. Mating of this dog with dogs that are either Homozygous Wild Type or Heterozygous for the Risk Variant will never produce puppies that are Homozygous for the Risk Variant. For further information, please consult the OptiGen website at [www.optigen.com](http://www.optigen.com)

DNA tests do not replace the importance of yearly examinations by your veterinary ophthalmologist.

September 18, 2018  
Date of Report

  
Sue Pearce-Kelling, President

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