



PennGen Laboratories | School of Veterinary Medicine | University of Pennsylvania  
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DNA Testing: Owner/Patient Report 9/20/2017

## Submitter Information

Owner's Name Margit Emmerstorfer

## Patient Information

Official Name	Desperado von Shamad	DOB	2/10/2008 (9 Years 7 Months)
Call Name	Gizmo	Sex	Male (Intact)
Breed	Miniature Schnauzer	Microchip #	688050000044282
Registration #	ÖHZB SZ2398		

## Testing Information

Submission ID	17418	Processed By	Anna L Eringis
Testing Date	9/20/2017	Test	Avian Tuberculosis (MAC)-DNA [Cheek brushes/swabs]

## 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