



PennGen Laboratories | School of Veterinary Medicine | University of Pennsylvania
3900 Delancey Street, Room 4013, Philadelphia, PA 19104
Lab: 215-898-3375 | PennGen@vet.upenn.edu | <http://research.vet.upenn.edu/penngen>
DNA Testing: Owner/Patient Report 8/14/2017

Submitter Information

Owner's Name Maria Baumann

Patient Information

Official Name	Martha vom Unteren Niederrhein	DOB	2/26/2017 (0 Years 5 Months)
Call Name	Martha	Sex	Female (Intact)
Breed	Miniature Schnauzer	Microchip #	276090010828288
Registration #	VDH17ZS42006452		

Testing Information

Submission ID	17665	Processed By	Alycia Frampton
Testing Date	8/10/2017	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