

# GENETIC IDENTIFICATION CERTIFICATE

190 / 27702 / 4

**Mr Joël KUHLMANN**  
Vorumaa-Meremae Vald  
Palsi Talu  
65319 Miiakse Küla  
Estonia

Name : **Felallo-Fülü Muso**

Breed : **Pumi**

Identification Nu : **972270000277772**

Pedigree Nu :

Sex : **Female**

Birth's date : **09/05/2013**

Sampler : Veterinarian  
**Dr P. TOBIAS**  
(Võru, 65604)  
Sampler Nu : **671**

Sampling date : **15/07/2013**  
Sample type : **Cheek swab**  
Sample Nu : **413554**

Receipt date : **25/07/2013**  
Case : 81773 / 42425 / 201306397 - 25/07/2013  
Reference : 27702 / 19716 / 92920  
Result code : **100494**

## Genetic profile

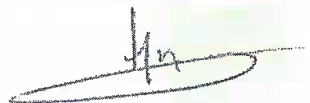
AHTh130	AHTh171	AHTh260	AHTk211	AHTk253	AHT121	AHT137	Amelogenin	CXX279	FH2054	FH2848
<b>HJ</b>	<b>HK</b>	<b>LM</b>	<b>LL</b>	<b>KN</b>	<b>KL</b>	<b>GJ</b>	<b>XX</b>	<b>JK</b>	<b>CC</b>	<b>HI</b>

INRA21	INU005	INU030	INU055	REN105L03	REN162C04	REN169D01	REN169O18	REN247M23	REN54P11	REN64E19
<b>JM</b>	<b>F-</b>	<b>JM</b>	<b>LP</b>	<b>KP</b>	<b>MM</b>	<b>JO</b>	<b>LP</b>	<b>JJ</b>	<b>KL</b>	<b>JJ</b>

ISAG2006 / AHT130:117121 / AHTh171:219225 / AHT260:244246 / AHT211:9191 / AHTk253:284290 / AHT121:9698 / AHT137:131137 / AMELOGENIN:XX / C22.279:116118 / FH2054:156156 / FH2848:228230 / INRA 21:95101 / INU005:110- / INU030:144150 / INU055:210218 / REN105L03:231241 / REN162C04:206206 / REN169D01:210220 / REN169O18:162170 / REN247M23:268268 / REN54P11:226228 / REN64E19:139139

Result established on the : **30/07/2013**

Lina MUSELET  
Engineer in genetics



### Explanations:

The genetic profile is built from allelic combination of polymorphic microsatellite markers of the ISAG 2006 panel. At each microsatellite locus, the dog shows two alleles symbolized by a letter (A to Z). When the symbol (-) is present, it indicates that the genetic marker could not be amplified or analysed (this phenomenon is rare but could occur in some breeds or dogs; nevertheless, the remaining markers provide enough information to identify the dog). Probability to obtain different genetic profiles for any individual taken by chance in the population is higher than 99% (except for true twins, for which genetic profiles are identicals). Comparison of two genetic profiles, independently established, allows to verify the genetic identity of a dog. Comparison of genetic profiles between adults and puppies allows to verify their parentage.

# Genetic identification card

name : **Felallo-Fülü Muso**

breed : Pumi

sex : Female

birth's date : 09/05/2013

identification : 972270000277772

pedigree :

sampler :

Dr P. TOBIA<sup>©</sup>

(Vöru, 6560~

date : 15/07/2013

number : 413554

AHT1130	AHT1171	AHT1200	AHT1211	AHT1253	AHT121	AHT137	Amelogenin	G00279	FX2054	FX2068
HJ	HK	LM	LL	KN	KL	GJ	XX	JK	CC	HI

NFA21	NU005	NU030	NU035	PEN109L03	PEN162C04	PEN168D01	PEN169D18	PEN247M23	PEN54P11	PEN64E19
JM	F-	JM	LP	KP	MM	JO	LP	JJ	KL	JJ