

## DNA TEST CERTIFICATE

Certificate ID: WZJ4-VLK9-QZ6U-298V-FA21  
Sample ID: C01 3206

Sample received: 21.07.2022.  
Date reported: 26.07.2022.

### Animal

#### Yara Kimi Aka Czech Jakobin

Breed: SHIBA  
Sex: female  
Birth certificate no:  
Tattoo number:  
Microchip number: 963002000003189  
Registration number:  
Date of birth: 01.07.2021.

\* Sample taken by the owner

### Owner/Breeder

Anthony Marinov  
Bartolići 31  
Zagreb  
Croatia  
anthony.marinov@yahoo.com

## Test: Chondrodystrophy and Chondrodysplasia (CDPA/CDDY, IVDD)

Result: HEALTHY - NON CARRIER (N/N)

### Results summary:

Gene	CFA18ins, CFA12ins	Inheritance	Zygoty	Detection method
FGF4	Not detected	Autosomal Dominant	Homozygous	PCR

### Interpretation:

Chondrodysplasia (CDPA) is caused by FGF4 retrogene insertion into chromosome 18 and chondrodystrophy (CDDY) by FGF4 retrogene insertion into chromosome 12. Both mutations are tested. Dog with N/N genotype for both mutations has normal leg length and does not carry risk of developing intervertebral disk disease (IVDD). None of its offspring will inherit CDPA or CDDY allele from this parent.



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