

■ Ostali podaci / Other information

DNEVAŠNAC  
11. 10. 2020

Škola

odluka: odlučan (S)

Dnevnik  
11. 10. 2020.

IPD  
B-Televizija

Polozajna



UNIVERZITET ZA RENDGENOLOGIJU  
VETERINARSKOG FAKULTETA  
NALAZ KUKOVA

ZAVOD ZA RENDGENOLOGIJU  
VETERINARSKOG FAKULTETA ZAGREB  
NALAZ LAKTOVA

HD A B O D - E

ED 012

datum: 15. 9. 2020. Potpis:

Datum: 15. 09. 2020. Potpis:

■ Vlasnik / Owner

1. Wana Vlašić Trg 68 Ozalj

Potpis uzgajivača / Breeder's Signature

2.

Potpis prijašnjeg vlasnika / Former Owner's Signature

3.

Potpis prijašnjeg vlasnika / Former Owner's Signature

4.

Potpis prijašnjeg vlasnika / Former Owner's Signature



Hrvatski kinološki savez / Croatian Kennel Club  
Ilica 61, HR-10000 Zagreb, tel. + 385 (0)1 4846 124, www.hks.hr



Hrvatski kinološki savez  
Croatian Kennel Club

REPUBLIKA HRVATSKA / Republic of Croatia  
Članica FCI / Member of FCI (Fédération Cynologique Internationale)

RODOVNICA  
PEDIGREE



Pasma / Breed **LABRADOR RETRIEVER**  
 Ime psa / Name **LABRADOR RETRIEVER**  
 Oštenjen / Born On **NINA BEST OF DISCOVERY**  
 19.04.2018  
 Dlaka / Coat **KRATKA / SHORT**  
 Boja / Colour **ČOKOLADNA**  
**CHOCOLATE**  
 Uzgajivač / Breeder **FILIĆ MARIO**  
**DURINA 26, SELCI ĐAKOVAČKI 31415**  
 Uzgajivačnica: **BEST OF DISCOVERY, F.C.I.70/01**



Upisan u Hrvatsku rodovnu knjigu / Registered in Croatian Stud Book  
 Pod brojem / Reg. Number **HR 19465 LR**  
 Spol / Sex **ŽENKA / FEMALE**  
 Tetovirani broj / Tattoo Number  
 Broj čip-a / Microchip Number



Otac i majka <i>Sire and Dam</i>		Djedovi <i>Grand Sires and Grand Dams</i>		Pradjedovi <i>Great Grand Sires and Great Grand Dams</i>		Pra-pradjedovi <i>Great Great Grand Sires and Great Great Grand Dams</i>	
Otac / Sire <b>GREENSTONE'S JOURNEY TO MY HEART</b> Broj rodovnice: HR 18888 Oštenjen: 12.08.2015 Boja: ČOKOLADNA CHM-HR HJCH BHFCHM BHFCH CHHR-I IPO HD/A ED:0	EPOCH'S MOCCASIN JOE AKC SR8203801 USAGCH USA-CH GREENSTONE'S CUPPA DELIGHT AKC SR75212702 IPO HD/A ED:0	CH QUAL CHASE BROADWAY JOE WINDFALL AKC SR47571508 CH EPOCH'S TREASURE AKC SR82301903 CH BANNER'S NO LINE ON THE HORIZON AKC SR97618601 CH GREENSTONE'S SPECIAL BLEND AKC SR61364502 CH CHABLAI'S YOUR PLACE OR MINE CKC TA138694 HD/A ED:free	CH LIBERTY'S BROAD RIDGE AKC SN91817201 CH DUNE DANGER'S WINDFALL MARGARITA AKC SR11049901 CH WILCARE LEISURE SUIT LARRY JH AKC SR2847301 CH EPOCH'S BROWN BAGGIN' AKC SN91416901 CH ENDEAVOR PICCADILLY GOTTA WEAR SHADES AKC SR40600101 AKC SR28660602 EPOCH'S BAG OF TRICKS AT BANNER AKC SR28660602 TEQUILAB'S AMADEUS AIR AKC SR59548601 CH BOURNHALL'S MOCHA LATTE AT PUCKETTS AKC SR34191304 BIG SKY'S STONE KUTTER CKC SR229808904 CH CHABLAI'S DELORME ZIGGY CKC P1969909	Broj rodovnice: HR 17311 Oštenjen: 7.07.2012 Boja: ČOKOLADNA OCJENJA: odličan IPO HD/A ED:0	MALLOORN'S RING MY BELL FR34818710 HD/A ED:0 <b>GAMESWON AGREED ON EVERYTHING</b> HR 15923 IPO HD/A ED:0	CH GOMANVALE BALANCE KC AE2463802 HD/A ED:0 CH STEWENZ BOX OF CHOCOLATE UKU 004113/04 HD/B/A	CH NAKEN KRIS KC:SR 3314 CI OULSMI RUMAWAY TO GOMANVALE KC AC03118202 CH STEWENZ RED OCTOBER UKU 000915/07 CH STEWENZ DESSERT CHOCOLATE KK- 1026750





VETERINARSKA AMBULANTA  
**LJUBIMAC**

Matije Ivanića 19, 10000 Zagreb  
tel. : 01/3750-339  
www.ljubimac.net  
ljubimac.ambulanta@gmail.com

## OFTALMOLOŠKI PREGLED - OPHTHALMIC EXAMINATION

### OPIS ŽIVOTINJE / ANIMAL DESCRIPTION

IME ŽIVOTINJE / NAME : NINA BEST OF DISCOVERY

DATUM ROĐENJA / DATE OF BIRTH : 19.04.2018.

VRSTA / SPECIES : PAS SPOL / SEX : F

PASMINA / BREED : LABRADOR RETRIEVER BOJA / COLOR : ČOKOLADNA

MIKROČIP / MICROCHIP №: 191100000990772 BROJ RODOVNIKA / PEDIGREE №: HR 19465 LR

### VLASNIK / OWNER

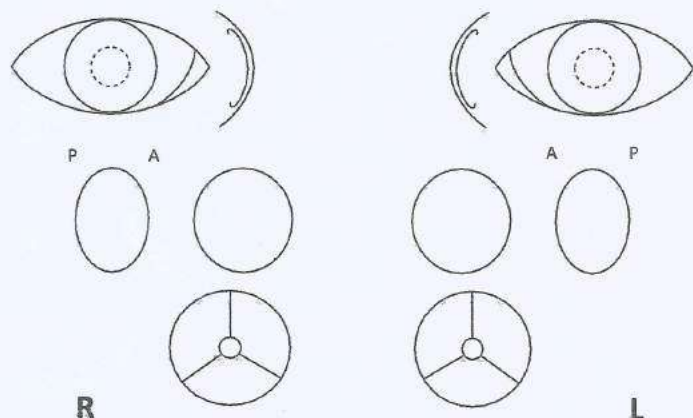
IME I PREZIME / FIRST NAME, SURNAME : IVANA VLAŠIĆ

ADRESA / ADDRESS : TRG 68, 42280 OZALJ, HRVATSKA

### PREGLED OKA - EXAMINATION OF EYE

MYDRIATIC :  OPHTHALMOSCOPY : DIRECT  INDIRECT  BIOMICROSCOPY  OTHER

PARTS EXAMINED	ADNEXA	CORNEA	IRIS	LENS	VITREOUS	FUNDUS	CLINICALLY AFFECTED	CLINICALLY UNAFFECTED
CLINICALLY AFFECTED	_____	_____	_____	_____	_____	_____	_____	_____
CLINICALLY UNAFFECTED	_____	_____	_____	_____	_____	_____	_____	_____



- |  |                          |                                     |
|--|--------------------------|-------------------------------------|
| COLLIE EYE ANOMALY                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| RD RETINAL DYSPLASIA                         | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PPM PERSISTENT PUPILLARY MEMBRANE            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PHPV PERSISTENT HYPERPLASTIC PRIMARY VITREUS | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| TUNICA VASCULOSA LENTIS                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| CATARACT                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| CORNEAL DYSTROPHY                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| PRIMARY LENS LUXATION                        | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| RETINAL DEGENERATION (PRA)                   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ENTROPION                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ECTROPION                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| OPTIC NERVE HYPOPLASIA                       | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

#### KOMENTAR / COMMENTS :

After examination of both eyes of the dog I don't find any pathological or degenerative changes.

DATUM / DATE OF EXAMINATION : 17.9.2020.

Vlatka-Antonija Csik  
DMV

**VLATKA-ANTONIJA CSIK**  
dr. med. vet.  
OVLAŠTENI VETERINAR br. 2042



VETERINARSKI FAKULTET SPECIJALISTA U ZAGREBU  
ZAVOD ZA RENDGENOLOGIJU, ULTRAZVUČNU DIAGNOSTIKU I FIZIKALNU TERAPIJU  
FACULTY OF VETERINARY MEDICINE UNIVERSITY OF ZAGREB  
DEPARTMENT OF RADIOLOGY, ULTRASOUND DIAGNOSTICS AND PHYSICAL THERAPY  
HEINZLOVA 55, ZAGREB

TEL: +385 (0)1 23 90 401



### POTVRDA - CERTIFICATE

DISPLAZIJA KUKOVA - HIP DYSPLASIA	X
DISPLAZIJA LAKTOVA - ELBOW DYSPLASIA	X
DATUM SNIMANJA - X-RAYS MADE ON:	15.09.2020.

BROJ PROTOKOLA - PROTOCOL NO:  
**5953/20**

### PODACI O PSU - DOG DATA

PASMINA - BREED:	Labrador retriever
IME PSA - DOG NAME:	Nina Best of Discovery
SPOL - SEX:	F
DATUM OŠTENJENJA - DATE OF BIRTH:	19.04.2018.
BROJ RODOVNICE - PEDIGREE NUMBER:	HR 19465 LR
BROJ MIKROČIPIA - MICROCHIP NUMBER:	191100000990772
VLASNIK - OWNER:	Ivana Vlašić
ADRESA VLASNIKA - OWNER ADDRESS:	47280 OZALJ, Trg 68

### OCJENA - CLASSIFICATION

KUKOVI - HIP	<input checked="" type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E
LAKTOVI - ELBOW	<input checked="" type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	

OCJENU IZDAO - THE EVALUATION WAS MADE BY:

Branimir Škrčin DVM

Postupak je izveden prema FCI pravilniku.

The procedure has been performed according to the rules of FCI.

POTPIS - SIGNATURE

VETERINARSKI FAKULTET U ZAGREBU

Zavod za režijski i fizikalnu terapiju  
diagnostiku i fizikalnu terapiju



Sveučilište u Zagrebu  
Veterinarski Fakultet, Tel. 2390111  
Heinzelova 55, Zagreb  
Odjel klinika  
Zavod za rendgenologiju, ultrazvuk i fizikalnu  
terapiju  
Laboratorij za RTG i UZV

Vrijeme prijema: 15.9.2020. 10:18:09  
Vrijeme unosa nalaza: 15.9.2020. 10:20:13

## Nalaz rendgenološke i/ili UZV pretrage

RTG-5953/2020

Broj uputnice: RTG-2423/20

Uputio/la: **Branimir Škrlin, dr. med. vet.**

Datum: **15.9.2020.**

**Vlasnik:** Ivana Vlašić, OIB: -, 47280 OZALJ, Trg 68, tel. HR 19465 LR

**Pacijent:** kuja labrador retriever Nina Best of Discovery, datum rođenja: 19.4.2018, ID: 191100000990772

Što je rađeno

Rtg

Dijagnoza

HD-A; ED-0 (free);

Voditelj laboratorija

Prof. dr. sc. Damir Stanin

Ispisao:

Branimir Škrlin, dr. med. vet.

VETERINARSKI FAKULTET U ZAGREBU  
Zavod za rendgenologiju, ultrazvuk i  
dijagnostičku fizikalnu terapiju  
Prof. dr. sc. Damir Stanin

Nalaz se odnosi na dostavljeni i pretraženi uzorak te se ne smije umnažati bez pismenog odobrenja laboratorija.

Vrijeme ispisa: 15.9.2020. 10:21:02

**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE  
IVANIČA 19, 10000 ZAGREB, CROATIA

**REQUESTED TEST:** NARCOLEPSY - LABRADOR RETRIEVER

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of HCRTR2 gene mutation (c.1103+5G>A) described as the cause of narcolepsy in Labrador Retrievers. The disease is characterized by daytime sleepiness, cataplexy, and striking transitions from wakefulness into rapid eye movement sleep. Narcolepsy is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) - both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020

**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE  
IVANIČA 19, 10000 ZAGREB, CROATIA

**REQUESTED TEST:** CENTRONUCLEAR MYOPATHY (CNM)

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of PTPLA gene mutation (c.191\_192ins236bp) described as the cause of centronuclear myopathy (CNM) in Labrador Retriever. The disease is characterized by hypotonia, generalized muscle weakness, abnormal postures, stiff hopping gait, exercise intolerance and increased collapse when exposed to cold. CNM is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) - both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020

**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE  
IVANIČA 19, 10000 ZAGREB, CROATIA

**REQUESTED TEST:** EXCERSISE INDUCED COLLAPSE (EIC)

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of DNM1 gene mutation (c.767G>T) described as the cause of exercise induced collapse (EIC) in several dog breeds. EIC is a syndrome characterized by collapse episodes following strenuous exercise. DNM1 gene defect is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) - both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020



**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE IVANIČA 19,  
10000 ZAGREB, CROATIA

**REQUESTED TEST:** RETINAL DYSPLASIA/OCULOSKELETAL DYSPLASIA (RD/OSD)

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of COL9A3 gene mutation (g.49,699,847insG) described as the cause of Retinal Dysplasia/Oculoskeletal Dysplasia (RD/OSD) in Labrador retriever. The disease is characterized by short-limbed dwarfism and ocular defects.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutations, partial expression of RD/OSD
- Affected (mut/mut) - both alleles carry tested mutations, full expression of RD/OSD

Carrier dogs typically show symptoms of Retinal Dysplasia - partial expression of RD/OSD. Affected dogs show symptoms of dwarfism and ocular defects - full expression of RD/OSD. Heterozygote animals pass the mutation to their siblings therefore mating of two carriers should be avoided, as 25% of puppies will be affected, 50% of puppies will be carriers and 25% of puppies will be clear.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020

**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE  
IVANIČA 19, 10000 ZAGREB, CROATIA

**REQUESTED TEST:** PROGRESSIVE RETINAL ATROPHY (PRA-PRCD)

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of PRCD gene mutation (c.5G>A) described as the cause of one form of progressive retinal atrophy (PRA) in several dog breeds. PRA-PRCD is a late onset disease characterized by progressive degeneration of retinal cells. PRCD gene defect is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) - both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

DATE:29.09.2020

## TEST REPORT NO. 204314

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**TEST:** HEREDITARY NASAL PARAKERATOSIS (HNPK)

**MUTATION:** c.972 T>G in SUV39H2 gene

**RESULT:** CLEAR (NORMAL/NORMAL)

---

**ANIMAL NAME:** NINA BEST OF DISCOVERY

**SPECIES:** DOG

**BREED:** LABRADOR RETRIEVER

**MICROCHIP NO.:** 191100000990772

**PEDIGREE NO.:** HR 19465 LR

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**SAMPLE TYPE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM

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**RESULT COMMENT:**

Clear (normal/normal): tested mutation is not present, normal genotype.

Carrier (normal/mutation): one allele carries tested mutation, disease is not clinically manifested.

Affected (mutation/mutation): both alleles carry tested mutation, disease is clinically manifested.

---

**AUTHORIZED SIGNATURE:**



*Results are valid for laboratory analysed samples only.*

**REFERENCE NO.:** 2020 - 35345

**OWNER:**

MATEJA TUŠČIĆ  
PALMOTIĆEVA 82  
HR-10000 ZAGREB  
CROATIA

**NAME/LABEL:**

NINA BEST OF DISCOVERY  
**SPECIES:** DOG  
**BREED:** LABRADOR RETRIEVER  
**SEX:** FEMALE  
**MICROCHIP NO.:** 191100000990772  
**TATOO NO.:** NOT PROVIDED  
**PEDIGREE NO.:** HR 19465 LR

## GENETIC REPORT

**SAMPLE:** BLOOD

**SAMPLE TAKEN BY:** VLATKA-ANTONIJA CSIK, DVM, VETERINARSKA AMBULANTA LJUBIMAC, MATIJE  
IVANIČA 19, 10000 ZAGREB, CROATIA

**REQUESTED TEST:** SKELETAL DYSPLASIA 2 (SD2) - DWARFISM

**RESULT:** CLEAR (WT/WT)

**COMMENT :**

The test examines presence or absence of COL11A2 gene mutation (c.143G>C) described as the cause of skeletal dysplasia 2 (SD2) in Labrador Retriever. The disease is characterized by a very subtle phenotype where mild dwarfism with short-legged phenotype is observed. COL11A2 gene defect is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) - both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

AUTHORIZED SIGNATURE:

MARIBOR, 29.09.2020



**HRVATSKI KINOLOŠKI SAVEZ**  
**CROATIAN KENNEL CLUB**  
 ILICA 61  
 HR – 10 000 ZAGREB  
[www.hks.hr](http://www.hks.hr)  
[hks@hks.hr](mailto:hks@hks.hr)



## WORKING CLASS CERTIFICATE (WCC)

Name of the dog Nom du chien Name des Hundes Nombre del perro	<b>NINA BEST OF DISCOVERY</b>		
Breed & Variety Race & Variété Rasse & Varietät Raza & Variedad	<b>LABRADOR RETRIEVER</b>		
Sex Sexe Geschlecht Sexo	<input type="checkbox"/> male/mâle Rüde/macho	<input checked="" type="checkbox"/> female/femelle Hündin/hembra	Date of birth Date de naissance Wurfdatum Fecha de nacimiento
Studbook and registration number Livre des Origines et numéro d'enregistrement Zuchtbuch- und Zuchtbuchnummer Libro de orígenes y número de registro			<b>HR 19465 LR</b>
Tattoo or microchip number Numéro du tatouage ou de microchip Tätowier- oder Microchipnummer Número del tatuaje o del microchip			<b>191100000990772</b>
Owner Propriétaire Eigentümer Propietario	<b>VLAŠIĆ IVANA</b>		
Country of legal residence Pays de résidence légale Land (Gesetzlicher Wohnsitz) País de residencia legal	<b>HR-47 000, KARLOVAC, Kralja Zvonimira 10, Kroatien</b>		
This dog has passed the required working trial and is entitled to be entered in the working class at all FCI shows (according to the decision taken by the General Assembly of the FCI in Madrid, 1983).	Ce chien a passé avec succès l'épreuve exigée l'autorisant à s'inscrire dans la classe travail de toutes les expositions FCI (selon la décision de l'Assemblée Générale de la FCI à Madrid 1983).	Der genannte Hund hat die erforderliche Arbeitsprüfung bestanden und ist damit berechtigt, bei allen FCI-Ausstellungen in die Gebrauchshundeklasse gemeldet zu werden (gemäß Beschluss der FCI-Generalversammlung in Madrid 1983).	Este perro ha aprobado la prueba exigida para poder inscribirse en la clase trabajo de todas las exposiciones de la FCI (según resolución de la Asamblea General de la FCI en Madrid en 1983).
Place (town, COUNTRY) and date of the trial Lieu (ville, PAYS) et date de l'épreuve Ort (Stadt, LAND) und Datum der Prüfung Lugar (ciudad, PAÍS) de la prueba	<b>MOLVE</b>	<b>KROATIEN</b>	<b>01.10.2023..</b>
Type of the trial Type d'épreuve Prüfungstyp Tipo de prueba	<b>ARBEITSPRÜFUNG FÜR RETRIEVER MIT BRINGEN</b>	Qualification / points Qualification / points Qualifikation / Punkte Calificación / puntos	<b>Insgesamt 107 Punkte Bewertung: (3) Gut</b>
Name of the judge(s) Nom du (des) juges Name des (der) Richter(s) Nombre del juez (de los jueces)	<b>Petar KLARIĆ</b> 		
Date, date, Datum, fecha 25.10.2023.	Stamp/signature – cachet/signature – Stempel/Unterschrift – sello/firma <b>Bojan Mataković, Dr.Vet.Med.</b> Generalsekretär		