Waiting Hill's Stairway Joke

Pino

DOB: 11.12.2017

HD A2, ED 0, LÜW Typ 0, MDR +/+, HSF4 +/+, CEA +/+, PRA-prcd +/+, DM +/+, NCL

Größe: 58 cm, Gewicht: 26,5 kg

Established 1957

AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC.®

presents to the *AUSTRALIAN SHEPHERD*
WAITING HILL'S STAIRWAY JOKE DNA-VP

Registration No. *E204213*

THE AWARD OF DNA-VP

has been verified and recorded in the DNA Database.

having fully completed the requirements of this club

On this date *November 13, 2020*

OWNER
SANDRA WARTENBERG

November 13, 2020
Issued this date

ASCA President

Certagen GmbH
Marie-Curie-Str. 1 Tel: 02226 / 8716 - 00 Mail: Labor@certagen.de
53359 Rheinbach Fax: 02226 / 8716 - 04 Web: www.certagen.de

certagen
a VHLGenetics company

UNTERSUCHUNGSBEFUND

Sandra Wartenberg
Scheerer Str. 5
72516 Scheer

Auftragsnr. (intern) :	**368206**
Auftragsnr. (extern) :	WS 441562_434048
Eingang :	11.11.2020
Abschluss :	13.11.2020
Druckdatum :	13.11.2020
Anzahl Seiten :	1

Art des Auftrags: H259 (Abstammungsüberprüfung Hund (ASCA))
Verfahren: akkreditierte Mikrosatelliten-Untersuchung nach SOP6

Ergebnis: M+V+

(X) Die Proben der Tiere wurden analysiert und die DNA-Profile in der Datenbank gespeichert.
(X) Die angegebene mütterliche Abstammung kann nicht ausgeschlossen werden.
(X) Die angegebene väterliche Abstammung kann nicht ausgeschlossen werden.

Rolle	Reg-Nr.	Rasse	Chip	Lager-Nr.	Ein.-Dat.	Analysedat.
Mutter	E191659	Australian Shepherd	276098104706278	HD201638699	25.11.2016	01.12.2016
	Name=Waiting Hill's Black Smoothie, Geb=15.04.2015					
Nachkomme		Australian Shepherd	276098800035735	HD202038526	11.11.2020	13.11.2020
	Name=Waiting Hill`s Stairway Joke					
Vater	E176288	Australian Shepherd	276098104160062	HD201300560	18.12.2013	19.12.2013
	Name=In Hillbillys Beat I Ur Pants Off, Geb=24.11.2011					

DAkkS Deutsche Akkreditierungsstelle D-PL-17160-01-00

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.

Rheinbach, 13.11.2020

( ) Dr. Jansen, Geschäftsführer
( ) Dr. Mioch, Geschäftsführer
( ) Dr. Weber, Laborleitung

AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC.

Registered Name *WAITING HILL'S STAIRWAY JOKE DNA-VP*

ASCA Reg. # *E204213*

Sex	*MALE*	**ASCA Litter#** *101852*	**D/B** *12/11/2017*
Body Color	*BLACK*	**Trim Color** *WHITE/COPPER*	
Eye Color	*LEFT- BROWN RIGHT- BROWN*		
Sire	*IN HILLBILLYS BEATINURPANTSOFF DNA-VP E176288*		
Dam	*WAITING HILL'S BLACK SMOOTHIE DNA-VP E191659*		
Litter Owner(s)	*SANDRA WARTENBERG*		

Established 1957

ASCA CERTIFIES THAT IT ACCURATELY MAINTAINS THE GENEALOGICAL INFORMATION WHICH IS FURNISHED TO IT BY BREEDERS. THE LINEAGE OF A REGISTERED DOG CAN BE DETERMINED WITH CERTAINTY BY DNA TESTING SPONSORED BY ASCA.

THIS CERTIFICATE ISSUED WITH THE RIGHT TO CORRECT OR REVOKE BY THE AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC

Owners

STEPHANIE DIESCH
SANDRA WARTENBERG
TROCKENHAUSSTR 2
88521 ERTINGEN
GERMANY

January 18, 2021

CERTIFICATE ISSUED

Transfer Date *12/1/2020*

REGISTRATION CERTIFICATE

AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC. ®

CERTIFICATE OF PEDIGREE

Registered Name: WAITING HILL'S STAIRWAY JOKE
ASCA Reg. No. E204213 **Litter Reg.No.** 101852 **Breeder:** SANDRA WARTENBERG
Date of Birth: 12/11/2017 **Sex:** M
Color: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
Owners: SANDRA WARTENBERG

1
Name: WAITING HILL'S STAIRWAY JOKE

2
Name: IN HILLBILLYS BEATINURPANTSOFF DNA-VP
ID#: E176288
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 11/24/2011

3
Name: WAITING HILL'S BLACK SMOOTHIE DNA-VP
ID#: E191659
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/15/2015

4
Name: HOF CH CROFTON HIDE AND SEEK STDd GS-E JS-E RS-O DNA-VP
ID#: E141553
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/6/2005

5
Name: RED MAGIC'S WINONA OF INDIANA CD RN DNA-VP
ID#: E153787
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 7/2/2007

6
Name: ELEMENTS SENSATION ON EARTH BN CD REX REM DNA-VP
ID#: E158400
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE
DOB: 4/8/2008

7
Name: DOGGARDEN'S SO COSY DNA-VP
ID#: E188793
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 1/7/2013

8
Name: HOF CH KALEIDOSCOPE STONE RAVENWYND CD DNA-CP
ID#: HIII1840
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/5/2000

9
Name: CH CROFTON REMEMBER WREN STDs CD GS-N JS-N RS-N DNA-CP
ID#: E97238
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/23/1997

10
Name: BLUE MOUNTAINCHRISTMASSURPRISE DNA-VP
ID#: E139734
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 12/24/2004

11
Name: SALLY VON DER LERCHENMšHLE DNA-VP
ID#: E106896
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- GREEN DOMINANT R- GREEN DOMINANT
DOB: 1/17/2000

12
Name: DUTCH RUN LIL' RASCAL DNA-CP
ID#: E141121
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/2/2005

13
Name: DANCIN'SEA'S WITCH OF THE DARK CD DNA-VP
ID#: E139959
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 3/28/2005

14
Name: THORNAPPLE SOAK IT UP NORTHBAY DNA-VP
ID#: E144774
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/11/2005

15
Name: DOGGARDEN'S I'M STRACCIATELLA DNA-CP
ID#: E171881
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE
DOB: 5/15/2010

16
Name: KALEIDOSCOPE PEBBLE DUST
ID#: HIII1704
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/25/1997

17
Name: CAMEO DIAMOND TALISMAN
ID#: E79237
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/3/1995

18
Name: HOF CH PROPWASH PROOF POSITIVE DNA-CP
ID#: E64406
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 8/14/1993

19
Name: PROPWASH CROFTON ON A LARK
ID#: E55015
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN DOMINANT R- BROWN
DOB: 1/13/1992

20
Name: THORNAPPLE ANAKIN SKYWALKER DNA-CP
ID#: E124792
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/17/2002

21
Name: GUARDIAN ANGEL'S BOUNTY DNA-CP
ID#: E125597
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE
DOB: 10/23/2002

22
Name: TOUCHSTONE ON EAGLES WINGS DNA-VP
ID#: E102017
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 12/19/1998

23
Name: BONNIE VON DER LERCHENMUEHLE DNA-CP
ID#: E96704
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- MARBLED R- MARBLED
DOB: 6/3/1998

24
Name: COUNTRYWOODS HEY WE BE COOL DNA-CP
ID#: E108568
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 12/23/1999

25
Name: DUTCH RUN TULIP'S HUBBA HUBBA
ID#: E116978
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- GREEN DOMINANT R- GREEN
DOB: 2/12/2001

26
Name: 4 BAR J DANCES WITH WOLVES DNA-VP
ID#: E125803
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE
DOB: 10/10/2002

27
Name: BEAU GESTE SHIVA TO DANCIN'SEA DNA-CP
ID#: E108599
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 2/21/2000

28
Name: THORNAPPLE CODE RED DNA-CP
ID#: E123115
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/24/2002

29
Name: NORTHBAY'S TREASURE TH' MOMENT DNA-CP
ID#: E107282
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN DOMINANT R- BLUE
DOB: 8/19/1999

30
Name: T-JAG'S LITTLE RED CORVETT DNA-CP
ID#: E163133
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- BLUE/AMBER R- BLUE
DOB: 1/10/2009

31
Name: KEEP SMILING'S HEY LITTLE GIRL DNA-VP
ID#: E157418
Body/Trim: BLUE MERLE W/ WHITE
Eyes: L- BROWN R- AMBER
DOB: 10/31/2007

Printed 11/12/20

VDH Verband für das Deutsche Hundewesen

BEFUNDBOGEN AUGENUNTERSUCHUNG

Rasse: Aust. Shepherd **Rassezuchtverein:** ASCA

Eigentümer: Kirsten Hamel

PLZ / Wohnort: 88521 Ertingen **Straße:** Töchenhausstr. 2

Name des Hundes: Waiting Hills Stairway Jake ☐ männlich ☐ weiblich

Wurftag: 11.12.2017 **Chip-Nr. / Täto-Nr.:** 276098800035735 **ZB.-Nr.:**

Die Identität des Hundes wurde überprüft, eine Fotokopie des Abstammungsnachweises wurde vorgelegt und wird der zuständigen Erfassungsstelle zugeleitet.

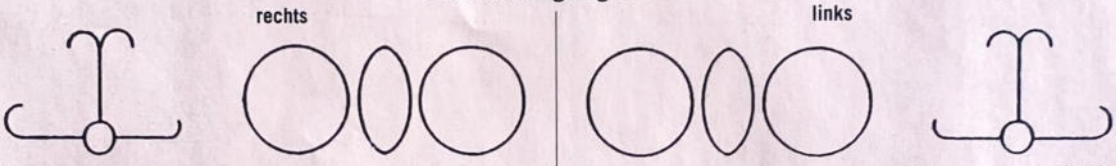
Uttenweiler, 17.11.2020 — Birdie Hamel

Ort, Datum — Unterschrift des Eigentümers

Untersuchungstechnik

Mydriatikum ☐ ja **Ophthalmoskopie dir.** ☐ ja / **indir.** ☐ ja **Spaltlampe** ☐ ja **Tonometrie** ☐ ja **Gonioskopie** ☐ ja

Untersuchungsergebnisse



rechts			links	
temp.				temp.
Foto ja	Ant.	Post.	Ant. Post.	Foto ja
S. K. T. Schiöz	5,0 g		5,0 g	S. K. T. Schiöz
	7,5 g		7,5 g	
M mm HG	10,0 g		10,0 g	14 mm HG

Der unterzeichnende Tierarzt hat den o. g. Hund heute im Rahmen des Programms zur Bekämpfung erblicher Augenkrankheiten untersucht und dabei Folgendes festgestellt:

☐ Linsenluxation ☐ Primärglaukom ☐ dyspl. Lig. pect. re. li. Tränenpunktatresie

☐ Distichiasis ☐ Trichiasis ☐ Entropium ☐ Ektropium ☐ Mikrophthalmie

Collie Eye Anomalie	CEA	☐ frei	☐ zweifelhaft	☐ nicht frei
Retina Dysplasie	RD	☐ frei	☐ zweifelhaft	☐ nicht frei
Persist. Hyperpl.-Tunica Vasc.	PHTVL/PHPV	☐ frei	☐ zweifelhaft	☐ nicht frei
Grauer Star	Katarakt	☐ frei	☐ zweifelhaft	☐ nicht frei
Progressive Retina Atrophie	PRA	☐ frei	☐ zweifelhaft	☐ nicht frei

Besondere Bemerkungen:

☐☐☐ Untersucher

Der unterzeichnende Tierarzt versichert und bestätigt, dass er über die erforderliche instrumentale Ausrüstung (direktes und indirektes Ophthalmoskop, Spaltlampe) sowie über das spezielle Fachwissen zur Beurteilung erblicher Erkrankungen des Auges verfügt.

Uttenweiler, 17.11.2020

Ort, Datum

Kleintierzentrum Dres. Hofmann 88524 Uttenweiler, Tübenweg 22 Telefon 07375/9211-20

Unterschrift, Praxisstempel

(Praxisstempel bitte auch auf Durchschlägen einfügen)

Verteiler: 1. Tierarzt (weiß) 2. Rassezuchtverein (rot) 3. Eigentümer (gelb)

ED / # HD-RÖNTGENUNTERSUCHUNG

77059

Rassehunde-Zuchtverein: ASCA

Rasse: Australian Shepherd Rüde: ☒ Hündin: ☐

Name des Hundes: Waiting Hill's Stairway Jete

ZB-Nr.: 11204213 gew.: _____ Täto-/Chip-Nr.: 276098800035735

Eigentümer: Bröder Manuel

Anschrift: Tinkenhausstr 2 88529 Ehingen

Telefon: 0151 - 67504271

Die Röntgenaufnahme wird mit Einsendung Eigentum des Rassehunde-Zuchtvereins. Der Eigentümer/Besitzer bestätigt mit seiner Unterschrift die Identität des geröntgten Hundes.

Datum der Röntgenaufnahme: 8.02.2019

Unterschrift des Eigentümers/ Besitzers als Einverständniserklärung: [signature]

Bestätigung des Röntgentierarztes

Siehe auch Hinweise für den Röntgentierarzt auf der Rückseite des Tierarztexemplars!

1. Die Ahnentafel wurde vor Anfertigung der Röntgenaufnahme vorgelegt. Die HD-Röntgenuntersuchung ist in dieser vermerkt. ☒
2. Die Täto-/Chip-Nr. des Hundes wurde überprüft; sie ist mit der in der Ahnentafel verzeichneten Täto-/Chip-Nr. identisch. ☒
3. Der Hund wurde mit der Täto-/Chip-Nr. _____ im _____ (Ort) tätowiert/gechipt. ☐
4. Der untersuchte Hund wurde ausreichend bis zur Muskelerschlaffung sediert. ☒

Bemerkungen:

Datum: 8.2.2019 Unterschrift: [signature] Stempel:

Kleintierzentrum
Dres. Halfmann
88524 Uttenweiler, Tulpenweg 22
Telefon 07374/92020

Befund der HD-Beurteilungsstelle (nicht des Röntgentierarztes)

HD	(A)	1	(2)	HD-frei	☒
HD	B	1	2	Übergangsform/Grenzfall	☐
HD	C	1	2	Leichte HD	☐
HD	D	1	2	Mittlere HD	☐
HD	E	1	2	Schwere HD	☐

Bemerkungen (z.B. Hinweise auf Patella-Luxation, Ellenbogendysplasie): ED-Grad = 0

Datum: 08.03.2019 Unterschrift/Stempel des Gutachters:

GRSK e.V.
Gutachter
nach FCI
Dr. Kurt Wittenborg
Rheinbacher Kreis: 1979-1995

Dr. med. vet. Kurt Witteborg
Tierarzt - ATF

Gut- und Obergutachter,
Mitglied in der
GRSK e.V.
Gesellschaft für Röntgendiagnostik genetisch beeinflusster
Skeletterkrankungen bei Kleintieren e. V.

Neue Strasse 57
D-29640 Schneverdingen, den 15.09.2020
Telefon 05193 6322 - Fax 05193 3601

Gutachten Lumbosacrale Übergangswirbel

Röntgenologische Untersuchung auf Hüftgelenksdysplasie

Röntgenaufnahmen angefertigt am :	08.02.2019
von (Name und Anschrift) :	Kleintierzentrum Dres. Halfmann D-88524 Uttenweiler, Tulpenweg 22
des Hundes	
- Rasse	Australian Shepherd
- Name	**WAITING HILL´S STAIRWAY JOKE**
- Geschlecht	Rüde
- Wurfdatum	12.11.2017
- Zuchtbuch-Nummer	ASCA Reg. # N204213
- Tätowier-, CHIP-Nummer	**276098800035735**

Befund: Lumbosacraler Übergangswirbel **Grad 0**

Besitzer : **Stephanie Diesch**
D-88521 Ertingen, Trockenhausstr. 2

Besondere Bemerkungen :

Der Unterzeichnete erklärt

1. die Bewertung erfolgt durch die **Bewertungsstelle in D-29640 Schneverdingen**, die in der F.C.I. anerkannt ist
2. das Verfahren entspricht den Richtlinien, die von der Wissenschaftlichen Kommission der F.C.I. angegeben wurden

Unterschrift _____

* zutreffendes ankreuzen ** see backside - siehe Rückseite - voir page suivante - ver la página siguiente

Kleintierzentrum
Dres. Halfmann

Dr. med. vet. Manfred Halfmann
Dr. med. vet. Sigun Halfmann
Dr. med. vet. Ute Halfmann-Baier

88524 Uttenweiler, Tulpenweg 22
Telefon 07374/92020
Notfallnummer 0171/5289035
info@tierklinik-halfmann.de
www.tierklinik-halfmann.de

Kleintierzentrum Dres. Halfmann 88524 Uttenweiler Tulpenweg 22

Tierärztliche Bescheinigung

Hiermit bescheinigen wir die Vollzahnigkeit des Australian Shepherd-Rüden Waiting Hills Stairway Joke (Chipnr.276098800035735)

Uttenweiler,17.11.2020

Kleintierzentrum
Dres. Halfmann
88524 Uttenweiler, Tulpenweg 22
Telefon 07374/92020

Certagen GmbH
Marie-Curie-Str. 1 Tel: 02226 / 871600 Mail: labor@certagen.de
53359 Rheinbach Fax: 02226 / 871604 Web: www.certagen.de

certagen
a VHLGenetics company

Certagen GmbH | Marie-Curie-Str. 1 | D-53359 Rheinbach

Sandra Wartenberg
Scheerer Str. 5
72516 Scheer

PRÜFBERICHT Hund

Auftragsnummer:	368205
Labornummer:	HD202038526
Proben-Eingang:	11.11.2020
Proben-Analyse:	23.11.2020
Befunddatum:	24.11.2020
Druckdatum:	24.11.2020
Anzahl Seiten:	1

Test: H330 = Neuronale Ceroid Lipofuszinose (NCL) 6

Tiername:	Waiting Hill`s Stairway Joke		
Rasse:	Australian Shepherd		
RegNr.:		ChipNr.:	276098800035735
Geschlecht:	männlich	Geburtsdatum:	

Veranlagung		Ergebnis	Erbgang
H330	Neuronale Ceroid Lipofuszinose (NCL) 6	NORMAL	rezessiv

Hinweis: Die Untersuchung wurde durch ein Partnerlabor durchgeführt.

Erbgänge: **Rezessiv und Dominant:**
Folgende Ergebnisse sind möglich:
- NORMAL (das Tier trägt die untersuchte Veranlagung nicht).
- TRÄGER (das Tier trägt die Veranlagung auf einem Gen).
- BETROFFEN (das Tier trägt die Veranlagung auf beiden Genen).

Bei rezessiv vererbten Veranlagungen zeigt ein Träger keine Symptome.
Bei dominant vererbten Veranlagungen zeigt ein Träger die Symptome.

Rheinbach, 24.11.2020

_____

( ) Dr. Jansen, Geschäftsführer
( ) Dr. Mioch, Geschäftsführer
( ) Dr. Weber, Laborleitung

Bitte beachten Sie folgende Hinweise:

Die Probennahme und der Versand erfolgten durch den Kunden. Alle in dieser Untersuchung verwendeten Angaben zu den Proben stammen vom Auftraggeber und können von Certagen nicht überprüft werden.

Ein per Fax oder E-Mail versandter Prüfbericht hat keine rechtliche Relevanz. Gültig ist alleine der unterschriebene Originalbericht.

DOGDNATEST

OWNER:
SANDRA WARTENBERG
SCHEERER STR. 5
DE-72516 SCHEER-HEUDORF
GERMANY

DATE:09.10.2017

TEST REPORT NO. 200346

TEST: DEGENERATIVE MYELOPATHY (DM)

MUTATION: c.118G>A in SOD1 gene

RESULT: CLEAR (NORMAL/NORMAL)

ANIMAL NAME: WAITING HILL`S BLACK SMOOTHIE

SPECIES: DOG **BREED:** AUSTRALIAN SHEPHERD

MICROCHIP NO.: 276098104706278 **PEDIGREE NO.:** E191659

SAMPLE TYPE: BLOOD

SAMPLE TAKEN BY: FRANK MÜLLER, DVM

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:

DOGDNATEST

Results are valid for laboratory analysed samples only.

FAX-Nummer: 0-02461/345202

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

LABOKLIN GmbH&CoKG . Postfach 1810 . 97668 Bad Kissingen

Tierärztliche Klinik
Dres. Josefine & Markus Reinartz
Aachener Str. - Ecke Mühlenstr.
52428 Jülich
Deutschland

Untersuchungsbefund
Nr.: 1201-W-00955
Datum Eingang: 13-01-2012
Datum Befund: 17-01-2012

Angaben zum Patienten:	Hund	Australian Shepherd
	Unbekannt	
Probenentnahme:	12-01-2012	
Patientenbesitzer:	Philippy, Elke	
Probenmaterial:	EB	

Messgrößen	Ist	Referenzwert
Name:	**In Hillbillys Beat in UR Pants off**	
ZB-Nummer:	---	
Chip-Nummer:	**76098104160062**	
Täto-Nummer:	---	

***MDR1-Gendefekt - PCR**

Ergebnis: Genotyp N/N (+/+)

Interpretation: Der untersuchte Hund ist kein Träger der Mutation im MDR1-Gen, die als Verursacher der Überempfindlichkeit gegenüber bestimmten Arzneistoffen wie z.B. Ivermectin angesehen wird. Der untersuchte Hund ist frei von der durch diese Mutation bedingten Ivermectin-Überempfindlichkeit. Die Mutation im MDR1-Gen wurde bisher bei folgenden Rassen gefunden: Collie, Shetland Sheep-dog, Australian Shepherd, Bobtail, Longhaired Whippet, Silken Windhound, Border Collie, Weißer Schäferhund, Deutscher Schäferhund. Das Untersuchungsergebnis gilt nur für diese Rassen.

Der Gentest wird entsprechend der Veröffentlichung von Mealey et al. (2001) "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdr1 gene." durchgeführt und weist die Mutation MDR1 nt230 (del4) nach.

Vetascien Ltd

Certificate of HC test

Hereditary Cataract

This certificates that

IN Hillbillys BeatinUrPantsOff

Australian Shepherd

Reg. number: E176288, Microchip: 276 098 104 160 062, Date of birth: 11/24/2011

Tested Genetically Normal

sample was certified by veterinary technician
and result was published under certificate number #421A/17 on

January 10, 2014

detection of g.85286582delC mutation in gene HSF4
tested genetic mutation

Elke Philippy
Kreuz str.27, Juelich, Germany
customer

Vetascien Limited, Yuen Long, NT, Hong Kong, www.vetascien.com, e-mail: lab@vetascien.com

Vetascien Ltd

Certificate of PRA-prcd test

Progressive Retinal Athrophy - progressive rod code degeneration

This certificates that

IN Hillbillys BeatinUrPantsOff

Australian Shepherd

Reg. number: E176288, Microchip: 276 098 104 160 062, Date of birth: 11/24/2011

Tested Genetically Normal

sample was certified by veterinary technician
and result was published under certificate number #421A/24 on

January 10, 2014

detection of 1298G>A mutation in PRCD gene in CFA9
tested genetic mutation

Elke Philippy
Kreuz str.27, Juelich, Germany
customer

Vetascien Limited, Yuen Long, NT, Hong Kong, www.vetascien.com, e-mail: lab@vetascien.com

Vetascien Ltd

Certificate of CEA test

Collie Eye Anomaly (Choroidal Hypoplasia)

This certificates that

IN Hillbillys BeatinUrPantsOff

Australian Shepherd

Reg. number: E176288, Microchip: 276 098 104 160 062, Date of birth: 11/24/2011

Tested Genetically Normal

sample was certified by veterinary technician
and result was published under certificate number #421A/23 on

January 10, 2014

deletion 7.8 kb in intron 4 of NJEH1 gene
tested genetic mutation

Elke Philippy
Kreuz str.27, Juelich, Germany
customer

Vetascien Limited, Yuen Long, NT, Hong Kong, www.vetascien.com, e-mail: lab@vetascien.com

Vetascien Ltd

Certificate of DM test

Degenerative Myelopathy

This certificates that

IN Hillbillys BeatinUrPantsOff

Australian Shepherd

Reg. number: E176288, Microchip: 276 098 104 160 062, Date of birth: 11/24/2011

Tested Genetically Normal

sample was certified by veterinary technician
and result was published under certificate number #421A/25 on

January 10, 2014

Detection of mutation c.118G>A in SOD1 gene
tested genetic mutation

Elke Philippy
Kreuz str.27, Juelich, Germany
customer

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NAME/LABEL:
WAITING HILL`S BLACK SMOOTHIE "JEAN"
SPECIES: DOG
BREED: AUSTRALIAN SHEPHERD
SEX: FEMALE
MICROCHIP NO.: 276098104706278
TATOO NO.: NOT PROVIDED
PEDIGREE NO.: E191659

GENETIC REPORT

SAMPLE: BLOOD

SAMPLE TAKEN BY: ANJA MAYER, DVM

REQUESTED TEST: COLLIE EYE ANOMALY (CEA)

RESULT: CLEAR

COMMENT :
The test examines presence or absence of NHEJ1 gene mutation (c.588+462_588+8260del7799bp) described as the cause for collie eye anomaly (CEA) in several dog breeds. The disease is characterized by different level of impairment of retina and choroid sclera that occurs during development of the eye. Collie eye anomaly 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:

MOLEKULARNA DIAGNOSTIKA
EVG d.o.o., Taborska ulica 8, SI-2000 Maribor

MARIBOR, 12.12.2016

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TATOO NO.: NOT PROVIDED
PEDIGREE NO.: E191659

GENETIC REPORT

SAMPLE: BLOOD

SAMPLE TAKEN BY: ANJA MAYER, DVM

REQUESTED TEST: MULTI DRUG RESISTANCE (IVERMECTIN SENSITIVITY, MDR1)

RESULT: CLEAR

COMMENT :
The test examines presence or absence of MDR1/ABCB1 gene mutation (c.295_298del) described as the cause of multi drug resistance (MDR) in several dog breeds. The condition is characterized by increased susceptibility to neurotoxic side effects of several drugs including Ivermectin. MDR1 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.

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TATOO NO.: NOT PROVIDED
PEDIGREE NO.: E191659

GENETIC REPORT

SAMPLE: BLOOD

SAMPLE TAKEN BY: ANJA MAYER, DVM

REQUESTED TEST: PROGRESSIVE RETINAL ATROPHY (PRA-PRCD)

RESULT: CLEAR

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.

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BREED: AUSTRALIAN SHEPHERD
SEX: FEMALE
MICROCHIP NO.: 276098104706278
TATOO NO.: NOT PROVIDED
PEDIGREE NO.: E191659

GENETIC REPORT

SAMPLE: BLOOD

SAMPLE TAKEN BY: ANJA MAYER, DVM

REQUESTED TEST: HEREDITARY CATARACT (HC)

RESULT: CLEAR

COMMENT :
The test examines presence or absence of HSF4 gene mutation (g.85286582delC) described as the cause of primary hereditary cataract (HC) in Australian Shepherd. The disease is characterized by opacity of the crystalline lens that leads to blindness. Tested HSF4 gene defect is inherited as an autosomal dominant trait with incomplete penetrance.

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 a mutation, high probability of clinical manifestation
- Affected (mut/mut) - both alleles carry mutations, disease is clinically manifested

Hereditary cataract in Australian Shepherds has autosomal dominant mode of inheritance with incomplete penetrance. That means it is not developed in every heterozygous animal carrying deleterious mutation. Other genetic or environmental factors cannot be excluded in development of the disease. According to the scientific literature, the probability of developing the disease is 17 times higher in heterozygous animal comparing to clear animal. Carriers pass the mutation to their siblings therefore mating of two carrier animals should be avoided as 25% of puppies will be affected. The test cannot exclude other genetic defects, which may be involved in development of hereditary cataract in Australian Shepherds.

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MARIBOR, 12.12.2016

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