# Redivivus Lukier “Lukier”



# Redivivus Lukier “Lukier”

Yellowstone
Australian Shepherds

Jennifer & Mirko Walter
Kreuzbergstr.44 | 47800 Krefeld | NRW | Germany

info@yellowstoneaussies.de
wwww.YellowstoneAussies.de

# Redivivus Lukier “Lukier”





# Hip / Ellbow (HD & ED)

# Australian Shepherd Club Deutschland e. V.

ASCD- Zuständige Silke Jüngling, Am Fischstein 33, 60488 Frankfut 0 69-96 74 05 27 E-mail: silke.juengling@freenet.de

**Die Röntgenaufnahme mit diesem Vordruck bitte senden an: Dr. med. vet. Kurt Witteborg, Neue Str. 57, 29640 Schneverdingen**

Befundbogen-Nr. 1843/20 (Einzusetzen von Dr. med. vet. Kurt Witteborg)

Seite 1 – Angaben zum/zur Hund/Besitzer/Röntgenaufnahme - Bitte füllen Sie diesen Vordruck vollständig und gut leserlich aus. Eventuell nachträglich korrigierte Angaben zur Identifikation des Hundes müssen vom Röntgenarzt abgezeichnet werden.
Auszufüllen vom Eigentümer:

Name des Hundes: Redivivus Lukier Wurftag: 19.03.2019

Rüde X Hündin Farbe: black w/c

**ASCA** Reg.-Nr.: E211629 **ASCA**-Litter-Nr. 105814 **ASCD** Zu.Bu.Nr.

Tätowierung: Chip-Nr.: 616093200527317

Vater/Sire: Ch Calais Carolina Royal Flyer DNA-VP ASCA-Reg-Nr.: E 191740

Mutter/Dam: Laumeneel U Rock My World DNA-VP ASCA-Reg-Nr.: E199327

Besitzer/in: Jennifer Walter Straße: Kreuzbergstraße 44

PLZ/Wohnort: 47800 Krefeld Telefon:

Befunde werden in der vierteljährlich erscheinenden Vereinszeitschrift veröffentlicht.

Der Eigentümer/Besitzer bestätigt mit seiner Unterschrift die Identität des geröntgten Hundes.

Unterschrift des Eigentümers/Besitzers:

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Auszufüllen vom Tierarzt wo der Hund geröntgt wird:

Die Aufnahmen wurde aufgenommen von: Dr. G. Staudacher Telefon: 0241/92866-0

**Datum der Röntgenaufnahmen:** 30.11.2020

Bestätigung des Röntgentierarztes:

1. Die Ahnentafel/das ASCA Registrierungs Papier wurde vor Anfertigung der Röntgenaufnahme vorgelegt. _X__
2. Die Tätowierung/Chip-Nr. des Hundes wurde überprüft, sie ist mit den o. g. Angaben des Besitzers/Eigentümers identisch _X__
3. Der untersuchte Hund wurde ausreichend bis zur Muskelerschlaffung sediert. _X__

Bemerkungen: keine

Datum: 30.11.2020 Unterschrift: Stempel:

Dr. Staudacher

Auszufüllen ausschließlich von Dr. med. vet. Witteborg:

**Ergebnis**

| | | | | |
|---|---|---|---|---|
| Kein Hinweis X | Übergangsform ☐ | Leichte HD ☐ | Mittlere HD ☐ | Schwere HD ☐ |
| A1 ☐ A2 X | B1 ☐ B2 ☐ | C1 ☐ C2 ☐ | D1 ☐ D2 ☐ | E1 ☐ E2 ☐ |

04.12.2020
Datum/Unterschrift

GRSK e.V. Gutachter nach FCI № 5 Dr. Kurt Witteborg (Hohenheimer Kreis: 1979-1995)

... Seite 2 - Befundseite

1 Vorsitzender
Alain Cammans
Im Mühlenstück 7
53639 Königswinter
Tel: (0 22 44) 87 26 91
alaincammans@web.de

Stellvertreter
Inge Hammer
Karweg 72
57537 Mittelhof
Tel: (0 27 42) 7 14 35
Horseman.Aussies@t-online.de

Geschäftsstelle
ASCD e. V
Im Mühlenstück 7
53639 Königswinter
Tel: (0 22 44) 87 26 91
ascdev@web.de

Bankverbindung
Dresdner Bank Hamburg
BLZ.: 200 800 00
Kto.-Nr.: 0331734100
www.ascdev.de

# Australian Shepherd Club Deutschland e. V.

Seite 2 zur HD Röntgenuntersuchung von (Name des Hundes): ~~Enterprise Gunnatrashya~~ Redivivus Luzer

Auszufüllen ausschließlich von Dr. med. vet. Witteborg

Befundbogen-Nr. 1843/20 (Einzusetzen von Dr. med. vet. Kurt Witteborg)

**Angaben zur Röntgenaufnahme/zum Befund:**

**Technische Qualität:**

| | | | | | | |
|---|---|---|---|---|---|---|
| Lagerung: | gut | ☐ | nicht ausreichend | ☐ | ausreichend | ☒ |
| Gestreckte Gliedmaßen: | symmetrisch | ☐ | asymmetrisch | ☐ | geringgradig | ☒ |
| | gut gestreckt | ☒ | ungenügend | ☐ | | ☐ |
| | gut eingedreht | ☐ | ungenügend | ☐ | | ☒ |
| | | ☐ | übermäßig | ☐ | | ☐ |
| **BECKENPFANNE** | | | | | | |
| Gesamteindruck: | tief | ☒ | flach | ☐ | | ☐ |
| Kraniale Pfannenkontur | strichförmig | ☒ | subchondr.Sklerose | | ☐ | ☐ |
| Kraniolateraler Pfannenrand: | rund auslaufend | ☐ | abgeflacht | ☐ | | ☒ |
| | | ☐ | mit Auflagerung | ☐ | | ☐ |
| **OBERSCHENKELKOPF** | | | | | | |
| Gesamteindruck: | kugelförmig | ☐ | zu klein | ☐ | | ☒ |
| | | ☐ | Kragenbildung | ☐ | | ☐ |
| | | ☐ | Deformation | ☐ | | ☐ |
| **SITZ DES KOPFES IN DER PFANNE** | | | | | | |
| | tief | ☒ | lose | ☐ | | ☐ |
| **OBERSCHENKELHALS** | | | | | | |
| | schlank | ☒ | walzenförmig | ☐ | | ☐ |
| | vom Kopf abgesetzt | ☒ | | | | |
| | scharf konturiert | ☒ | unscharf | ☐ | | ☐ |
| | | ☐ | Auflagerungen | ☐ | | ☐ |
| | | ☐ | Linie nach Morgan | ☐ | | |
| **GELENKSPALT** | | | | | | |
| Gestreckte Gliedmaßen: | konzentrisch | ☒ | divergierend | ☐ | | ☐ |
| Gebeugte Gliedmaßen: | konzentrisch | ☐ | divergierend | ☐ | | ☐ |
| **ZENTRUM DES FEMURKOPFES** | | | | | | |
| | medial v. dors.Pfannenr. | ☒ | lateral | ☐ | aus dors.Pfannenr. | ☐ |
| **MESSUNG NACH NORBERG** | | | | | | |
| | Winkel: 105° oder größer | ☐ | kleiner als 105° | ☒ | | |
| | | ☐ | kleiner als 100° | ☐ | | |
| | | ☐ | kleiner als 90° | ☐ | | |

04.12.2020

Datum / Unterschrift

GRSK e.V. Gutachter nach FCI № 5 Dr. Kurt Witteborg (Hohenheimer Kreis: 1979-1995)


1.Vorsitzender
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Im Mühlenstück 7
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Tel: (0 22 44) 87 26 91
ascdev@web.de

Bankverbindung
Dresdner Bank Hamburg
BLZ.: 200 800 00
Kto.-Nr.: 0331734100
www.ascdev.de

# Australian Shepherd Competition Club Germany

## ED Privatauswertung

*Bitte füllen Sie diesen Vordruck vollständig und gut leserlich aus. Nachträgliche korrigierte Angaben zur Identifikation des Hundes müssen vom Röntgentierarzt abgezeichnet werden.*

| | |
|---|---|
| **Name des Hundes:** Redivivus Lukier | **Wurftag:** 19.03.2019 |
| **Rüde:** ☑ **Hündin:** ☐ **Farbe:** black w/c | **ASCA Reg.-Nr.:** E211629 **ASCA Litter Nr.:** 105814 |
| **Tätowierung:** | **Chip Nr.:** 616093200527317 |
| **Vater/Sire:** Ch Calais Carolina Royal Flyer DNA-VP | **ASCA Reg.-Nr.:** E191740 |
| **Mutter/Dam:** Laumeneel U Rock My World DNA-VP | **ASCA Reg.-Nr.:** E199327 |
| **Besitzer:** Jennifer Walter | **Straße:** Kreuzbergstraße 44 |
| **Plz:** 47800 **Ort:** Krefeld | **Telefonnummer:** |
| **Emailadresse:** | |

**Der Eigentümer/Besitzer bestätigt mit seiner Unterschrift die Identität des geröntgten Hundes.**

**Ort, Datum:** D. [illegible] _____

**Unterschrift des Eigentümers/Besitzers**

---

**Die Aufnahmen wurden aufgenommen von:** Dr. G Staudacher **Telefon:** _____

TIERÄRZTLICHE KLINIK Dr. Staudacher [illegible] 652-658 · 52078 Aachen-Brand Telefon (0241) 9 28 66-0

**Datum der Röntgenaufnahme:** 30.11.2020

**Bestätigung des Röntgentierarztes:**

☑ • **Die Ahnentafel/ASCA Registrierungs Papier wurde vor Anfertigung der Röntgenaufnahme vorgelegt.**

☑ • **Die Tätowierung/Chipnummer des Hundes wurde überprüft. Diese ist mit den o.g. Angaben des Eigentümers/Besitzers identisch.**

**Bemerkungen:** _____

**Ort, Datum:** Aachen, 30.11.2020 **Unterschrift:** _____ **Stempel:** _____

TIERÄRZTLICHE KLINIK Dr. Staudacher [illegible] 652-658 Telefon (0241) [illegible]

# Australian Shepherd Competition Club Germany

***ED Auswertung des Hundes:*** *Redivivus Lukier*

***Befund zur Ellebogendysplasie (ED):***

***Arthrose:***

***Grad 0:*** ☑

***Grad 1:*** ☐

***Grad 2:*** ☐

***Grad 3:*** ☐

***Inolider Proc.Anconeus:*** ☐

***Fraktur des Proc. Coronoides:*** ☐

***Subchondraler Defekt med. Trochlea:*** ☐

***Bemerkungen:***

***Datum,Ort:*** Aachen, 30.11.20 ***Unterschrift:***

***Stempel:***

TIERÄRZTLICHE KLINIK
Dr. Staudacher
Trierer Str. 652-658 · 52078 Aachen-Brand
Telefon (0241) 9 28 66-0

# DNA

Established 1957

# AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC.®

**presents to the** *AUSTRALIAN SHEPHERD*
*REDIVIVUS LUKIER DNA-VP*

**Registration No.** *E211629*

## 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** *December 15, 2020*

**OWNER**
*JENNIFER WALTER*

*December 15, 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

Rheinbach, den 09. Dezember 2020

# DNA-Genotypenformel

Analysemethode: DNA-Mikrosatelliten nach SOP6-MS

| | | | |
|---|---|---|---|
| Name : | **REDIVIVUS LUKIER** | | |
| Reg.-Nr. : | **E211629** | geb.-Datum : | **19.03.2019** |
| ChipNr : | **616093200527317** | Geschlecht : | **männlich** |
| Lager-Nr. : | **HD202042104** | Probenart : | **Swab** |
| Analysedatum : | **08.12.2020** | Markeranzahl : | **12** |

| Marker | Ergebnis |
|---|---|
| 1.9A | 184/192 |
| AHT125 | 103/103 |
| AHT126 | 195/201 |
| CPH3 | 178/180 |
| CXX.403 | 239/239 |
| CXX2137 | 260/260 |
| LEI007 | 266/266 |
| UK101 | 118/128 |
| UK109 | 107/107 |
| UK111 | 75/75 |
| UK118 | 117/119 |
| UK133 | 159/159 |

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.

# Augen / Eyes

# Australian Shepherd Club Deutschland e. V.

Zuständig und zu senden an:
Rilke Geist, Dorfstraße 15a, 18356 Pruchten eMail: hd-pra@ascdev.de

**Befundbogen Augenuntersuchung – nur gültig bei einer Untersuchung von einem Facharzt für Augenheilkunde! Als Anlage verwenden Sie bitte den VDH Befundbogen.**

Angaben zum Hund, bitte vollständig und gut leserlich ausfüllen. Eventuell nachträglich korrigierte Angaben zur Identifikation des Hundes müssen vom untersuchendem Arzt abgezeichnet werden.

Name des Hundes: _____Redivivus Lukier_____ Wurftag: _____19.03.2019_____

Rüde: X Hündin: Farbe: __black w/c_____ Augenfarbe: links: ____brown____ rechts: ___brown____

**ASCA** Reg.-Nr.: _____E211629_____ **ASCA**-Litter-Nr. ____105814_____ **ASCD** Zu.Bu.Nr._____

Tätowierung: _____ Chip-Nr.: _____616093200527317_____

Vater/Sire: ____Ch Calais Carolina Royal Flyer DNA-VP_____ ASCA-Reg-Nr.: _____E191740_____

Mutter/Dam: __Laumeneel U Rock My World DNA-VP_____ASCA-Reg-Nr.:_____E199327_____

Züchter: _____Jennifer Walter_____

Besitzer/in: _____Jennifer Walter_____ Straße: _____Kreuzbergstraße 44_____

PLZ/Wohnort: _____47800 Krefeld_____ Telefon: _____

Untersuchung: 1. Untersuchung Ja: _____ Nein: __X___

Der Unterzeichnende bestätigt, dass das zur Untersuchung vorgestellte Tier das oben beschriebene ist und das die Untersuchungsergebnisse für eine Veröffentlichung oder andere zweckdienliche Verwendung zur Verfügung stehen:

_____
Unterschrift Eigentümer/Besitzer

---

**Untersuchung:**

Datum: ___30.11.2020_____

Kontrolle der Tätowierung/Mikrochip: richtig: _X___ falsch: ___ unleserlich: ___ fehlt: ___

Standardmethode Mydriatikum, indirekte Ophthalmoskopie und Spaltlampen-Biomikroskopie ≥10x

Zusätzlich: direkte Ophthalmoskopie _X__ Foto ____ Gonioskopie (ohne Mydriatikum) ___ Tonometrie ___

Weitere __keine_____

**Beurteilung / Diagnose**

Der oben genannte Hund ist zur Zeit frei von vererbbaren Augenkrankheiten:

Ja _X__ Nein __ Vorläufig Nicht frei __ Zweifelhaft ___

Bemerkung des Tierarztes/nicht frei von: __obB_____

_____

_____

Ergebnisse: Bescheinigt für 12 Monate:

| | Frei | Zweifelhaft | Nicht frei | | Frei | vorl. Nicht frei | Nicht frei |
|---|---|---|---|---|---|---|---|
| 1. Katarakt (kongenital) | _X__ | ___ | ___ | 2. Katarakt (nicht kongenital) | _X__ | ___ | ___ |
| 3. PHTVL/PHPV | _X__ | ___ | ___ | 4. Retinadystrophie (PED) | _X__ | ___ | ___ |
| 5. CEA (Collie Augenanom.) | _X__ | ___ | ___ | 6. Retinadegeneration (PRA) | _X __ | ___ | ___ |
| 7. Retinadysplasie (RD) | _X__ | ___ | ___ | | | | |
| 8. Kolobom | _X__ | ___ | ___ | 9. Sonstige: ____keine Bemerkungen_____ | | | |

„Frei": Keine Anzeichen der genannten Erkrankung. „Nicht frei": Die klinischen Anzeichen der genannten erblichen Erkrankungen sind vorhanden. „Zweifelhaft": Sehr geringe Anzeichen, die möglicherweise auf die genannte erblichen Erkrankungen zutreffen, die Veränderungen sind aber ausreichend spezifisch. „vorläufig Nicht frei": Das Tier zeigt geringfügige aber spezifische Anzeichen der genannten erblichen Erkrankungen. Eine genaue Diagnose erfordert die Kontrolle der weiteren Entwicklung in ___ Monaten.

**Tierärztliche Klinik**
**Dr. Staudacher**
Trierer Str. 652-658 – D-52078 Aachen
Tel. 0241/92866-0 Fax 0241/92866-47

Augenuntersuchung durchgeführt von:
**Dr. Gerhard Staudacher**
Fachtierarzt f. Kleintiere, Augenheilkunde

_____
Unterschrift des untersuchenden Tierarztes

1. Vorsitzender
Marc Ritter
Auf dem Kramberg 10
50354 Hürth

2.Vorsitzender
Christina Halm
Sövener Straße 43
53773 Hennef

Geschäftsstelle
ASCD e. V.
Marc Ritter
Auf dem Kramberg 10
50354 Hürth

Bankverbindung
Commerzbank Hamburg
BLZ.: 200 800 00
Kto.-Nr.: 0331734100

# Gebiss & Teeth

# Australian Shepherd Competition Club Germany

## Veterinärbescheinigung Gebiss

| | |
|---|---|
| **Name des Hundes:** Redivivus Lukier | |
| **Wurftag:** 19.03.2019 | **Farbe:** black wlc |
| **Rüde:** ☒ | **Hündin:** ☐ |
| **Chip-Nr.:** 616 093 200 527 317 | **Tätowierung:** |
| **Name des Besitzers:** Jennifer Walter | |
| **Straße:** Kreuzbergstraße 44 | |
| **Plz/Ort** 47800 Krefeld | |

**Das Gebiss:**

**Ist korrekt:** ☒ **Aufbiss:** ☐ **Überbiss:** ☐ _____cm **Unterbiss:** ☐ _____cm

**Die Zähne:**

**Oberkiefer** **vollständig:** ☒ **unvollständig:** ☐

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Es fehlt rechts**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Unterkiefer** **vollständig:** ☒ **unvollständig:** ☐

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 | M3 |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 | M3 |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Veterinär Bescheinigung zu den Hoden**
**Bei dem oben beschriebenen Rüden**

☒ **liegen die Hoden normal.**
☐ **liegt Monorchismus vor.**
☐ **liegt Kryptorchismus vor.**

TIERÄRZTLICHE KLINIK
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Trierer Str. 652-658 · 52078 Aachen - Brand
Telefon (0241) 9 28 66-0

30.11.2020

*Datum, Unterschrift und Stempel des Veterinärs*

# Hoden & Testes

# Australian Shepherd Competition Club Germany

## Veterinärbescheinigung Gebiss

| | |
|---|---|
| **Name des Hundes:** Redivivus Lukier | |
| **Wurftag:** 19.03.2019 | **Farbe:** black wlc |
| **Rüde:** ☒ | **Hündin:** ☐ |
| **Chip-Nr.:** 616 093 200 527 317 | **Tätowierung:** |
| **Name des Besitzers:** Jennifer Walter | |
| **Straße:** Kreuzbergstraße 44 | |
| **Plz/Ort** 47800 Krefeld | |

**Das Gebiss:**

**Ist korrekt:** ☒ **Aufbiss:** ☐ **Überbiss:** ☐ _____cm **Unterbiss:** ☐ _____cm

**Die Zähne:**

**Oberkiefer** **vollständig:** ☒ **unvollständig:** ☐

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Es fehlt rechts**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Unterkiefer** **vollständig:** ☒ **unvollständig:** ☐

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 | M3 |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Es fehlt links**

| I1 | I2 | I3 | C1 | P1 | P2 | P3 | P4 | M1 | M2 | M3 |
|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

**Veterinär Bescheinigung zu den Hoden**
**Bei dem oben beschriebenen Rüden**

- ☒ **liegen die Hoden normal.**
- ☐ **liegt Monorchismus vor.**
- ☐ **liegt Kryptorchismus vor.**

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Telefon (0241) 9 28 66-0

30.11.2020

*Datum, Unterschrift und Stempel des Veterinärs*

# MDR1

Slovgen s.r.o. , Diagnostické laboratórium, Ilkovičova 8,
841 04 Bratislava 4, tel: +421 905 550 916, Reg. No. (ICO): 35700629, VAT: SK2020906151,
accounts: SK5511000000002626252786 (TATRSKBX); CZ8855000000006107902001 (RZBCCZPP); Paypal FS5LN9AAC848S

# DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES
## Protocol No. D1907002218

Customer: Jennifer WALTER
Kreuzbergstr. 44
47800 Krefeld, DE

Sample type: buccal brush
Date of birth: 19.03.2019
Sex: M

Date of sampling: 22.07.2019
Date of receipt: 24.07.2019
Date of analysis: 26.07.2019

Identity of the animal has not been verified.

| Breed/Name | Tattoo or RFID id<br>Pedigree number | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd / Redivivus Lukier | 616093200527317 | 190724/T1219 | MDR1 | N/N (+/+)<br>Non-affected |

The results of analysis are stored in a database under the lab code 190724/T1219.

Hints:
MDR1-Multidrug resistence gene - nt230(del4), (autosomal recessive)
MDR1 +/+ or N/N (non-affected): Both genes, inherited from both mother and father are undamaged (healthy).
MDR1 +/– or N/P (carrier): Subjects with confirmed heterozygous genotype are carriers. Defective gene can be transmitted to offspring. Unwanted side effects are unlikely to occur but cannot be excluded.
MDR1 –/– or P/P (affected): Particular caution is necessary in case an individual is diagnosed MDR1 -/- genotype. Treatment with certain drugs in this case can cause significant problems in some cases lethal neurotoxic reaction.

Notice:Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above-mentioned disease. No information regarding the customer as well as the purpose and results of the analysis will be provided to third parties.

In Bratislava 29.07.2019
Ing. Marcela Bieliková, PhD.

# HSF4

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

# Canine Genetic Health Certificate™

| | | | |
|---|---|---|---|
| **Call Name:** | Pax | **Laboratory #:** | 104068 |
| **Registered Name:** | Calais Carolina Royal Flyer | **Registration #:** | E191740 |
| **Breed:** | Australian Shepherd | **Microchip #:** | 981020013862034 |
| **Sex:** | Male | **Certificate Date:** | Jan. 4, 2019 |
| **DOB:** | May 2015 | | |

**This canine's DNA showed the following genotype(s):**

| Disease | Gene | Genotype | Interpretation |
|---|---|---|---|
| Collie Eye Anomaly | *NHEJ1* | WT/WT | Normal (clear) |
| Cone Degeneration | *CNGB3* | WT/WT | Normal (clear) |
| Degenerative Myelopathy | *SOD1* | WT/WT | Normal (clear) |
| Hereditary Cataracts (Australian Shepherd Type) | *HSF4* | WT/WT | Normal (clear) |
| Hyperuricosuria | *SLC2A9* | WT/WT | Normal (clear) |
| Intestinal Cobalamin Malabsorption (Australian Shepherd Type) | *AMN* | WT/WT | Normal (clear) |
| Multidrug Resistance 1 | *ABCB1* | WT/WT | Normal (clear) |
| Multifocal Retinopathy 1 | *BEST1* | WT/WT | Normal (clear) |
| Neuronal Ceroid Lipofuscinosis 6 | *CLN6* | WT/WT | Normal (clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | *PRCD* | WT/WT | Normal (clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

**Blake C Ballif, PhD**
Laboratory & Scientific Director

**Christina J Ramirez, PhD, DVM, DACVP**
Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

Slovgen s.r.o. , Diagnostické laboratórium, Ilkovičova 8,
841 04 Bratislava 4, tel: +421 905 550 916, Reg. No. (ICO): 35700629, VAT: SK2020906151,
accounts: SK5511000000002626252786 (TATRSKBX); CZ8855000000006107902001 (RZBCCZPP); Paypal FS5LN9AAC848S

# DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Submitter of analysis: vanessa SOLER
lieu dit les pins
63490 USSON, FR

Date of sampling: 10.10.2016
Date of samples receipt: 17.10.2016
Date of analysis: 03.11.2016

| Breed/name | Tattoo or RFID id/ Certificate of origin | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd / Ms u rock my world des terres de laumeneel | 250269811335493<br>BLACK TRI FEM 3, LONG TAIL, PARIS | 161017/N2079 | HSF4/HC | N/N<br>Non-affected |

The results of analysis are stored in a database under the lab code 161017/N2079.

Hints:
HSF4 (HC) – Hereditary cataract – deletion/insertion 1 bp in exon 9 of HSF4-gene (Heat shock factor protein 4).
HSF4/HC N/N – NON-AFFECTED (NORMAL), Both genes, inherited from both male and female are unaffected.
HSF4/HC N/A – CARRIER, confirmed heterozygous N/A genotype. Mutation can be transmitted to offspring.
HSF4/HC A/A – AFFECTED by the disease.

The HC disorder in Australian Shepherds has an autosomal dominant mode of inheritance, however with incomplete penetrance, the disease may not develop in every carrier of this deletion. The probability that the binocular HC develops in individuals with one copy of deletion (carriers) is approximately 17 times higher than in dogs clear of the deletion mutation (Mellersh et al. 2009).

Notice:This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above mentioned disease. No information regarding the customer as well as purpose and results of the analysis will be provided to third parties.

In Bratislava 03.11.2016

Ing. Marcela Bieliková, PhD.

# CEA

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

# Canine Genetic Health Certificate™

| | | | |
|---|---|---|---|
| **Call Name:** | Pax | **Laboratory #:** | 104068 |
| **Registered Name:** | Calais Carolina Royal Flyer | **Registration #:** | E191740 |
| **Breed:** | Australian Shepherd | **Microchip #:** | 981020013862034 |
| **Sex:** | Male | **Certificate Date:** | Jan. 4, 2019 |
| **DOB:** | May 2015 | | |

**This canine's DNA showed the following genotype(s):**

| Disease | Gene | Genotype | Interpretation |
|---|---|---|---|
| Collie Eye Anomaly | *NHEJ1* | WT/WT | Normal (clear) |
| Cone Degeneration | *CNGB3* | WT/WT | Normal (clear) |
| Degenerative Myelopathy | *SOD1* | WT/WT | Normal (clear) |
| Hereditary Cataracts (Australian Shepherd Type) | *HSF4* | WT/WT | Normal (clear) |
| Hyperuricosuria | *SLC2A9* | WT/WT | Normal (clear) |
| Intestinal Cobalamin Malabsorption (Australian Shepherd Type) | *AMN* | WT/WT | Normal (clear) |
| Multidrug Resistance 1 | *ABCB1* | WT/WT | Normal (clear) |
| Multifocal Retinopathy 1 | *BEST1* | WT/WT | Normal (clear) |
| Neuronal Ceroid Lipofuscinosis 6 | *CLN6* | WT/WT | Normal (clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | *PRCD* | WT/WT | Normal (clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

**Blake C Ballif, PhD**
Laboratory & Scientific Director

**Christina J Ramirez, PhD, DVM, DACVP**
Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

Opa der Mutter väterlicherseits

OPTIGEN® LLC for the genetic advantag

# Test Report

**Castellan Giada**
**Strada del Meisino 4**
**Torino, It-10132**
**Italy**

Optigen Accession #: 13-7459
**VHL#: 20597**
Report issued for: **Dali**

## OptiGen Test Certificate

**Optigen Accession #: 13-7459**

**Report Issued: 12/08/2013**

Test Performed: **CEA/CH test**

Result: **Normal**
Sample Type: **swabs**

Registered Name. **God's Great Banana Skin**

Reg#: **LO0846020**

Breed: **Australian Shepherd**
Sex: **Male**
Date of Birth: **June 11,2007**

ID#: 941000000573375

Owner(s):
**Castellan Giada**

FOR THE GENETIC ADVANTAGE OPTIGEN

**OptiGen Authorized Signature**

www.optigen.com

st Results: Genotype of your dog is Normal.

sk for developing Collie Eye Anomaly/Choroidal Hypoplasia (CEA/CH): This dog will never develop CEA/CH.

gnificance for breeding: This dog can be bred to any mate and will produce no pups affected with CEA/CH.

is interpretation is based on the test result of the DNA test for the specific mutation identified as causing CEA/CH in Australian Shepherds as of e date on this report.

r further information, please consult the OptiGen website at www.optigen.com.

ternational DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 201-3856 or FAX to 573-875-5073. www.offa.org
ereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the ults in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

gnature of owner or authorized representative: _____

Cornell Business & Technology Park tel: 607.257.0301 fax: 607.257.0353

767 Warren Road, Suite 300, Ithaca, NY 14850 email: genetest@optigen.com web: www.optigen.com

Oma der Mutter väterlicherseits

Slovgen s.r.o., Diagnostické laboratórium, Dúbravská cesta 21,
841 04 Bratislava 4, tel : 02/5930 7434, 0905 550 916, fax : 5930 7434

## DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Submitter of analysis : Castellan Giada
Strada del Meisino 4
10132 Torino, Italy

Date of sampling : 06.03.2014
Date of samples receipt: 13.03.2014
Date of analysis : 21.03.2014

| Breed/name | Tattoo or chip/ Registration number | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd/ HARMONY HILL'S ALMOST FAMOUS | 4B6341376F<br>DN 26500904 | 140313/K0839 | PRA-prcd | N/N Non-affected |

The results of analysis are stored in a database under the lab code 140313/K0839.

Hints:
**Genotype PRA-prcd N/N – healthy subject – non-affected**
Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
**Genotype PRA-prcd N/A – carrier**
Subjects with confirmed heterozygous N/A genotype are carriers. Gene mutation can be transmitted to offspring.
**Genotype PRA-prcd A/A – affected subject**
The subject is a homozygote with A/A genotype, which inherited the affected allele from both parents and thus is affected by the disease.

Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above mentioned disease. No information regarding the customer as well as purpose and results of the analysis will be provided to third parties.

In Bratislava 24.03.2014
Ing. Marcela Bieliková, PhD.

Slovgen s.r.o., Diagnostické laboratórium, Dúbravská cesta 21,
841 04 Bratislava 4, tel : 02/5930 7434, 0905 550 916, fax : 5930 7434

## DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Submitter of analysis : Castellan Giada
Strada del Meisino 4
10132 Torino, Italy

Date of sampling : 06.03.2014
Date of samples receipt: 13.03.2014
Date of analysis : 18.03.2014

| Breed/name | Tattoo or chip/ Registration number | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd/ HARMONY HILL'S ALMOST FAMOUS | 4B6341376F<br>DN 26500904 | 140313/K0839 | CEA | R/R Non-affected |

The results of analysis are stored in a database under the lab code 140313/K0839.

Hints:
**Genotype CEA R/R – healthy subject – non-affected**
Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
**Genotype CEA R/r - carrier**
Subjects with confirmed heterozygous CEA R/r genotype are carriers. Gene mutation can be transmitted to offspring.
**Genotype CEA r/r – affected subject**
The subject is a homozygote with r/r genotype, which inherited the affected allele from both parents and thus is affected by the disease.

Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above mentioned disease. No information regarding the customer as well as purpose and results of the analysis will be provided to third parties.

In Bratislava 19.03.2014
Ing. Marcela Bieliková, PhD.

Vater der Mutter

# Test Report

**Vanessa JE Soler**
**Rue des Espinasses**
**Gignat, 63340**
**France**

Optigen Accession #: **11-8208**
**ANT#: 246102**
Report issued for: **ACE**

## OptiGen Test Certificate

**Optigen Accession #: 11-8208**

**Test Completed: 10/11/2011**
**Report Issued: 10/12/2011**

Test Performed: **CEA/CH test**

Result: **Normal**
Sample Type: **DNA - from Antagene**

Registered Name: **CAU FOSCA HERE ACE OF CLOVER**

Reg#: **1938603**

Breed: **Berger Australien d'Amérique (l'Aussie)**
Sex: **Female**
Date of Birth: **January 02, 2010**

ID#: **941000011673117**

Owner(s):
**Vanessa JE Soler**
**philippe em soler**

FOR THE GENETIC ADVANTAGE OPTIGEN

Susan Pearce Kelling
**OptiGen Authorized Signature**

www.optigen.com

**:t Results:** Genotype of your dog is **NORMAL/CLEAR**.
**k for developing Collie Eye Anomaly/Choroidal Hypoplasia (CEA/CH):** This dog will never develop CEA/CH.
**nificance for breeding:** This dog can be bred to any mate and will produce no pups affected with CEA/CH.

s interpretation is based on the test result of the DNA test for the specific mutation identified as causing CEA/CH in Berger Australien d'Amérique ussie)s as of the date on this report.

further information, please consult the OptiGen website at www.optigen.com.

*e: The use of this test is patent protected and licensed to OptiGen. See http://www.optigen.com/opt9_patent.html for details.*

**rnational DNA Based Genetic Database**: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 01-3856 or FAX to 573-875-5073. www.offa.org
reby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results ie public domain and I hereby release OFA from any and all liability associated with the release of test information.

nature of owner or authorized representative: _____

# PRA

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

# Canine Genetic Health Certificate™

| | | | |
|---|---|---|---|
| **Call Name:** | Pax | **Laboratory #:** | 104068 |
| **Registered Name:** | Calais Carolina Royal Flyer | **Registration #:** | E191740 |
| **Breed:** | Australian Shepherd | **Microchip #:** | 981020013862034 |
| **Sex:** | Male | **Certificate Date:** | Jan. 4, 2019 |
| **DOB:** | May 2015 | | |

**This canine's DNA showed the following genotype(s):**

| Disease | Gene | Genotype | Interpretation |
|---|---|---|---|
| Collie Eye Anomaly | *NHEJ1* | WT/WT | Normal (clear) |
| Cone Degeneration | *CNGB3* | WT/WT | Normal (clear) |
| Degenerative Myelopathy | *SOD1* | WT/WT | Normal (clear) |
| Hereditary Cataracts (Australian Shepherd Type) | *HSF4* | WT/WT | Normal (clear) |
| Hyperuricosuria | *SLC2A9* | WT/WT | Normal (clear) |
| Intestinal Cobalamin Malabsorption (Australian Shepherd Type) | *AMN* | WT/WT | Normal (clear) |
| Multidrug Resistance 1 | *ABCB1* | WT/WT | Normal (clear) |
| Multifocal Retinopathy 1 | *BEST1* | WT/WT | Normal (clear) |
| Neuronal Ceroid Lipofuscinosis 6 | *CLN6* | WT/WT | Normal (clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | *PRCD* | WT/WT | Normal (clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

**Blake C Ballif, PhD**
Laboratory & Scientific Director

**Christina J Ramirez, PhD, DVM, DACVP**
Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

Opa der Mutter väterlicherseits

OPTIGEN® LLC for the genetic advantage

# Test Report

**Castellan Giada**
**Strada del Meisino 4**
**Torino, It-10132**
**Italy**

Optigen Accession #: **13-7459**
**VHL#: 20597**
Report issued for: **Dali**

## OptiGen Test Certificate

**Optigen Accession #: 13-7458**

Test Performed: **PRA-prcd test**

Registered Name. **God's Great Banana Skin**

Breed: **Australian Shepherd**
Sex: **Male**
Date of Birth: **June 11,2007**

Owner(s):
**Castellan Giada**

**Report Issued: 12/08/2013**

Result: **Normal**
Sample Type: **swabs**

Reg#: **LO0846020**

ID#: 941000000573375

FOR THE GENETIC ADVANTAGE OPTIGEN

**OptiGen Authorized Signature**

www.optigen.com

Test Results: Genotype of your dog is Normal.

Significance for breeding: This dog can be bred to any mate and will produce no pups affected with *PRA-prcd*

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing *PRA-prcd* in Australian Shepherds as of the date on this report.

For further information, please consult the OptiGen website at www.optigen.com.

**International DNA Based Genetic Database**: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative: _____

Cornell Business & Technology Park tel: 607.257.0301 fax: 607.257.0353

767 Warren Road, Suite 300, Ithaca, NY 14850 email: genetest@optigen.com web: www.optigen.com

Oma der Mutter väterlicherseits

Slovgen s.r.o., Diagnostické laboratórium, Dúbravská cesta 21,
841 04 Bratislava 4, tel : 02/5930 7434, 0905 550 916, fax : 5930 7434

## DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Submitter of analysis : Castellan Giada
Strada del Meisino 4
10132 Torino, Italy

Date of sampling : 06.03.2014
Date of samples receipt: 13.03.2014
Date of analysis : 21.03.2014

| Breed/name | Tattoo or chip/ Registration number | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd/ HARMONY HILL'S ALMOST FAMOUS | 4B6341376F<br>DN 26500904 | 140313/K0839 | PRA-prcd | N/N Non-affected |

The results of analysis are stored in a database under the lab code 140313/K0839.

Hints:
**Genotype PRA-prcd N/N – healthy subject – non-affected**
Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
**Genotype PRA-prcd N/A – carrier**
Subjects with confirmed heterozygous N/A genotype are carriers. Gene mutation can be transmitted to offspring.
**Genotype PRA-prcd A/A – affected subject**
The subject is a homozygote with A/A genotype, which inherited the affected allele from both parents and thus is affected by the disea

Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DN analysis concerns only the above mentioned disease. No information regarding the customer as well as purpose and results of the analysis will be provided to third parties.

In Bratislava 24.03.2014
Ing. Marcela Bieliková, PhD.

Slovgen s.r.o., Diagnostické laboratórium, Dúbravská cesta 21,
841 04 Bratislava 4, tel : 02/5930 7434, 0905 550 916, fax : 5930 7434

## DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Submitter of analysis : Castellan Giada
Strada del Meisino 4
10132 Torino, Italy

Date of sampling : 06.03.2014
Date of samples receipt: 13.03.2014
Date of analysis : 18.03.2014

| Breed/name | Tattoo or chip/ Registration number | Laboratory code | Type of analysis | Result |
|---|---|---|---|---|
| Australian Shepherd/ HARMONY HILL'S ALMOST FAMOUS | 4B6341376F<br>DN 26500904 | 140313/K0839 | CEA | R/R Non-affected |

The results of analysis are stored in a database under the lab code 140313/K0839.

Hints:
**Genotype CEA R/R – healthy subject – non-affected**
Both genes, inherited from both male and female are unaffected. That means that the subject has both alleles healthy.
**Genotype CEA R/r - carrier**
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**Genotype CEA r/r – affected subject**
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In Bratislava 19.03.2014
Ing. Marcela Bieliková, PhD.

Vater der Mutter

OPTIGEN® LLC for the genetic advantage

# Test Report

**Vanessa JE Soler**
**Rue des Espinasses**
**Gignat, 63340**
**France**

Optigen Accession #: **11-8208**
**ANT#: 246102**
Report issued for: **ACE**

## OptiGen Test Certificate

**Optigen Accession #: 11-8208**

**Test Completed: 10/13/2011**
**Report Issued: 10/14/2011**

Test Performed: **prcd Mutation Test for PRA**

Result: **Normal**
Sample Type: **DNA - from Antagene**

Registered Name: **CAU FOSCA HERE ACE OF CLOVER**

Reg#: **1938603**

Breed: **Berger Australien d'Amérique (l'Aussie)**
Sex: **Female**
Date of Birth: **January 02, 2010**

ID#: **941000011673117**

Owner(s):
**Vanessa JE Soler**
**philippe em soler**

FOR THE GENETIC ADVANTAGE OPTIGEN

**OptiGen Authorized Signature**

www.optigen.com

**Test Results:** Genotype of your dog is **NORMAL/CLEAR**.
**Risk for developing prcd-PRA:** This dog will never develop the prcd form of PRA (progressive rod-cone degeneration form of Progressive Retinal Atrophy).
**Significance for breeding:** Genetically Normal/Clear dogs can be bred to any dog and will produce no pups affected with the prcd form of PRA.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the prcd form of PRA in Berger Australien d'Amérique (l'Aussie)s as of the date on this report.

For further information, please consult the OptiGen website at www.optigen.com.

*Note: The use of this test is patent protected and licensed to OptiGen. See http://www.optigen.com/opt9_patent.html for details.*

**International DNA Based Genetic Database**: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073. www.offa.org
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative: _____

**Cornell Business & Technology Park** tel: 607.257.0301 fax: 607.257.0353

767 Warren Road, Suite 300, Ithaca, NY 14850 email: genetest@optigen.com web: www.optigen.com

DM

Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

# Canine Genetic Health Certificate™

| | | | |
|---|---|---|---|
| **Call Name:** | Pax | **Laboratory #:** | 104068 |
| **Registered Name:** | Calais Carolina Royal Flyer | **Registration #:** | E191740 |
| **Breed:** | Australian Shepherd | **Microchip #:** | 981020013862034 |
| **Sex:** | Male | **Certificate Date:** | Jan. 4, 2019 |
| **DOB:** | May 2015 | | |

**This canine's DNA showed the following genotype(s):**

| Disease | Gene | Genotype | Interpretation |
|---|---|---|---|
| Collie Eye Anomaly | *NHEJ1* | WT/WT | Normal (clear) |
| Cone Degeneration | *CNGB3* | WT/WT | Normal (clear) |
| Degenerative Myelopathy | *SOD1* | WT/WT | Normal (clear) |
| Hereditary Cataracts (Australian Shepherd Type) | *HSF4* | WT/WT | Normal (clear) |
| Hyperuricosuria | *SLC2A9* | WT/WT | Normal (clear) |
| Intestinal Cobalamin Malabsorption (Australian Shepherd Type) | *AMN* | WT/WT | Normal (clear) |
| Multidrug Resistance 1 | *ABCB1* | WT/WT | Normal (clear) |
| Multifocal Retinopathy 1 | *BEST1* | WT/WT | Normal (clear) |
| Neuronal Ceroid Lipofuscinosis 6 | *CLN6* | WT/WT | Normal (clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | *PRCD* | WT/WT | Normal (clear) |

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

**Blake C Ballif, PhD**
Laboratory & Scientific Director

**Christina J Ramirez, PhD, DVM, DACVP**
Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

M30618 Czyz, Beata

# Certificate

## on the degenerative myelopathy exon 2 (DM) genetic testing - PCR

| | |
|---|---|
| LABOKLIN report no.: | 2007W37581 |
| dog: | Australian Shepherd, female, * 31.08.2016 "MS U Rock My World Des Terres De Laumeneel" |
| pedigree-no.: | PKR.I-83248 |
| microchip-no.: | 250269811335493 |
| tatoo-no.: | --- |
| result DM-exon 2: | Genotype N/N (exon 2) (clear) |

LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG
Steubenstr. 4 - 97688 Bad Kissingen
Tel. (09 71) 7 20 20 - Fax (09 71) 6 85 46

Bad Kissingen, 29-07-2020

Fr.Dipl.-Biol. Bärbel Gunreben
Abt. Molekularbiologie

Nur gültig mit Originalsiegel
Only valid with original seal.

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-13186-01-00



Die Verantwortung für Probenentnahme und -identität liegt beim Einsender. Gewährleistungsverpflichtungen können nicht übernommen werden. Schadensersatzverpflichtungen sind, soweit gesetzlich zulässig, auf den Rechnungswert der durchgeführten Untersuchung/en beschränkt.
The liability for sampling procedure and proof of identy lies with the sender. Warranty claims are not accepted. Damage claims are resticted to the amount of the invoice

# Dilute

# Sonstiges / miscellaneous

# Pedigree

# *AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC.* ®

# CERTIFICATE OF PEDIGREE

**Registered Name:** REDIVIVUS LUKIER
**ASCA Reg. No.** E211629 **Litter Reg.No.** 105814 **Breeder:** BEATA CZYZ
**Date of Birth:** 3/19/2019 **Sex:** M
**Color:** BLACK W/ WHITE/COPPER
**Eyes:** L- BROWN R- BROWN
**Owners:** JENNIFER WALTER

**1**
Name: REDIVIVUS LUKIER

**2**
Name: CH CALAIS CAROLINA ROYAL FLYER DNA-VP
ID#: E191740
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE/BROWN
DOB: 5/7/2015

**3**
Name: LAUMENEEL U ROCK MY WORLD DNA-VP
ID#: E199327
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 8/31/2016

**4**
Name: HOF CH EMINENCE OF THE MIGHTY CROWN DNA-VP
ID#: E166819
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 1/20/2010

**5**
Name: HOF CH CALAIS CAROLINA FLY GIRL DNA-CP
ID#: E163048
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/17/2009

**6**
Name: HARMONY HILL'S MOON WALKER STDcs DNA-VP
ID#: E186349
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/14/2012

**7**
Name: CAUFOSCA HERE ACE OF CLOVER JS-O RN DNA-CP
ID#: E178813
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- AMBER R- AMBER
DOB: 1/3/2010

**8**
Name: CH WINDYPINE AUTUMN STORM DNA-VP
ID#: E147243
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE
DOB: 6/26/2006

**9**
Name: CH NORTHBAY'S INCOGNITO DNA-VP
ID#: E155027
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/1/2007

**10**
Name: HOF CH STARSWEPT'S HI FLYIN' AT HISAW DNA-CP
ID#: E95162
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 3/13/1998

**11**
Name: CAROLINA CALAIS NOW YOU SEE ME
ID#: E147778
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/30/2006

**12**
Name: WANDAS GOD'S GREAT BANANA SKIN STDcs DNA-CP
ID#: E162769
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- AMBER R- AMBER
DOB: 7/11/2007

**13**
Name: HARMONY HILL'S ALMOST FAMOUS DNA-VP
ID#: E168896
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 11/26/2009

**14**
Name: MCMATT'S BLUE GRAFFITI DNA-VP
ID#: E146483
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- BLUE DOMINANT
DOB: 4/20/2006

**15**
Name: BAYOULAND'S HUG ME TIGHTER
ID#: E170216
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/17/2007

**16**
Name: HOF CH BROADWAYS BLAZE OF GLORY DNA-CP
ID#: E104008
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- AMBER
DOB: 5/17/1999

**17**
Name: WINDYPINE HEAVEN CENT DNA-CP
ID#: E97406
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- AMBER R- AMBER
DOB: 6/20/1998

**18**
Name: HOF CH LYRIC'S NIGHT AND DAY DNA-VP
ID#: E136553
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 11/2/2004

**19**
Name: CH NORTHBAY'S JUST WINGIN' IT! DNA-CP
ID#: E142176
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 12/5/2004

**20**
Name: HOF CH MY MAIN MAN OF HEATHERHILL DNA-CP
ID#: E37175
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/9/1988

**21**
Name: HOF CH STARSWEPTS HIFALUTIN OF HISAW
ID#: E54417
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- BLUE DOMINANT R- BLUE
DOB: 12/14/1991

**22**
Name: HOF CH HEARTFIRE'S PRAIRIE SCHOONER CD GS-O JS-E RS-E DNA-CP
ID#: E78510
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 10/5/1995

**23**
Name: CH CALAIS CN AMIRAGE OF CAROLINA DNA-CP
ID#: E102385
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- AMBER R- BLUE DOMINANT
DOB: 11/2/1998

**24**
Name: CH HARMONY HILL'S NOTORIOUS DNA-CP
ID#: E121967
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- AMBER/BLUE R- AMBER
DOB: 4/26/2002

**25**
Name: PROPWASH SEABISCUIT
ID#: E119156
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 4/7/2000

**26**
Name: HOF CH HALIFAX PRINCE OF TIDES GV-O JV-E RV-O DNA-VP
ID#: E158193
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- AMBER R- AMBER
DOB: 3/11/2008

**27**
Name: HOF CH HARMONY HILL'S TRUE LIES DNA-VP
ID#: E129976
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN/BLUE R- BROWN
DOB: 4/10/2003

**28**
Name: HOF CH MCMATT'S EZ GOING DNA-CP
ID#: E93208
Body/Trim: BLUE MERLE W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 12/29/1997

**29**
Name: CH GRAFFITI GARNET ROSE DNA-CP
ID#: E112142
Body/Trim: RED W/ WHITE/COPPER
Eyes: L- AMBER R- AMBER
DOB: 6/28/2000

**30**
Name: HOF CH BROADWAYS BLAZE OF GLORY DNA-CP
ID#: E104008
Body/Trim: RED MERLE W/ WHITE/COPPER
Eyes: L- BLUE R- AMBER
DOB: 5/17/1999

**31**
Name: HOF LIL' CREEK'S HUG ME TIGHT DNA-VP
ID#: E110353
Body/Trim: BLACK W/ WHITE/COPPER
Eyes: L- BROWN R- BROWN
DOB: 5/10/2000

**Printed 9/18/19**

Nom du chien: **LUKIER Redivivus (FCI)**

NP. pedigree: **PKR.I-91643 D**

Race: Australian Shepherd FCI 342
Robe: noire tri
Né le: 19.03.2019
Sexe: mâle
NP. tatouage: ----
Puce electronique: 616093200527317
Remarques: la queue long

PRODUCTEUR:
Beata Czyż
Wybickiego 15
78-400 Szczecinek

PROPRIETAIRE:
Jennifer Walter
Kreuzberg Str. 44
47800 Krefeld
Germany

| I GENERATION | II GENERATION | III GENERATION | IV GENERATION |
|---|---|---|---|
| P. OFA-GOOD CH, GRCH CALAIS CAROLINA ROYAL FLYER Blue merle AKC DN42791301 | P. CH-BLR-MRL EMINENCE OF THE MIGHTY CROWN DN32832001 | P. CH, GRCH WINDYPINE AUTUMN STORM RN DN14971407 | P. BROADWAYS BLAZE OF GLORY RE OA OAJ DL79643401 |
| | | | M. WINDYPINE HEAVEN CENT DL74527006 |
| | | M. NORTHBAY`S INCOGNITO DN19381102 | P. LYRIC`S NIGHT AND DAY DN08949504 |
| | | | M. NORTHBAY`S JUST WINGIN IT! DN11306602 |
| | M. CH-BLK-WH-MKGS-TAN-PTS. GCH CALAIS CAROLINA FLY GIRL DN24896701 | P. CH STARSWEPTS HIFLYIN`AT HISAW DL74447104 | P. MY MAIN MAN OF HEATHERHILL DL40345702 |
| | | | M. STARSWEPTS HIFALUTIN OF HISAW DL49594905 |
| | | M. CAROLINA CALAIS NOW YOU SEE ME DN14629902 | P. HEARTFIRE`S PRAIRIE SCHOONER DL61220407 |
| | | | M. CALAIS CN AMIRAGE OFCAROLINA DL76682402 |
| M. HDA CHPL MS U ROCK MY WORLD DES TERRES DE LAUMENEEL noire tri PKR.I-83248 (LOF 1 B.AUS. 73205/0) | P. HARMONY HILL`S MONN WALKER AKC DN33704903 | P. OD`S GREAT BANANA SKIN AKC DN26651801 | P. HARMONY HILL`S NOTORIOUS AKC DN00527701 |
| | | | M. PROPWASH SEABISCUIT AKC DN83798606 |
| | | M. HARMONY HILL`S ALMOST FAMOUS AKC DN26500904 | P. HALIFAX PRINCE OF TIDES AKC DN21059506 |
| | | | M. HARMONY HILL`S TRUE LIES AKC DN04365701 |
| | M. DEL CAU FOSCA HERE-ACE-OF-CLOVER LOF 1 B.AUS.34 541/4687 | P. MCMATT`S BLUE GRAFFITI LOE 1804851 | P. MCMATT`S EZ GOING Blue merle AKC DL72684302 |
| | | | M. GRAFFITI GARNET ROSE AKC DL84957601 |
| | | M. BAYOULAND`S HUG ME TIGHTER AKC DN18272905 | P. BROADWAYS BLAZE OF GLORY AKC DL79643401 |
| | | | M. LIL`CREEK`S HUG ME TIGHT AKC DL84024401 |

Ce document est conforme au livre des origines PKR.
Les informations contenues dans ce dernier, peuvent etre utiliseés que par des organisations associées a la FCI et membres de cet organisme

Warszawa, dnia 12.07.2019

Responsable de livre d'élevage

[009]

# AUSTRALIAN SHEPHERD CLUB OF AMERICA, INC.

**Registered Name** *REDIVIVUS LUKIER*

**ASCA Reg. #** *E211629*

| | | | |
|---|---|---|---|
| **Sex** | *MALE* | **ASCA Litter#** | *105814* |
| **Body Color** | *BLACK* | **Trim Color** | *WHITE/COPPER* |
| **Eye Color** | *LEFT- BROWN RIGHT- BROWN* | | |
| **Sire** | *CH CALAIS CAROLINA ROYAL FLYER DNA-VP E191740* | | |
| **Dam** | *LAUMENEEL U ROCK MY WORLD DNA-VP E199327* | | |
| **Litter Owner(s)** | *BEATA CZYZ* | | |

**D/B** *3/19/2019*

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**

*JENNIFER WALTER*
*KREUZBERGSTR. 44*
*47800 KREFELD*
*GERMANY*

September 18, 2019

**CERTIFICATE ISSUED**

## REGISTRATION CERTIFICATE