

# Holstein Association USA, Inc.

## CERTIFICATE OF REGISTRATION

### 98% Registered Holstein Ancestry (RHA-I)

**REGISTRATION**NUMBER **840003138817712 98%RHA-I**COLOR **BLACK & WHITE**SEX **MALE (515HO309)****HERD NO.****3384**NAME **WELCOME KHAL-ET**BORN **12/27/16**BREEDER **Welcome Stock Farm, LLC  
SCHUYLerville, NY**ACCOUNT NO. **500014**OWNER **Welcome Stock Farm, LLC  
SCHUYLerville, NY**ACCOUNT NO. **500014**SIRE **DG CHARLEY  
DEU 538920253 99%RHA-I (29HO17500)  
TC TV TL TY TD****COGENT SUPERSHOT  
NLD 755898903 100%RHA-NA TV TL TY TD****DG CANDIDE  
NLD 548077249 99%RHA-I TL TD**DAM **WELCOME DAMARIS KHLOE-ET  
840003126283412 96%RHA-I****S-S-I STERLING DAMARIS-ET  
840003011538150 99%RHA-I TR TP TV TL TY TD****NO-FLA MCCUTCHEN 35703-ET  
840003011527652 93%RHA-I****CLASSIFIED****Genotyped****840003138817712**

A change of ownership for this animal must be recorded in the manner prescribed by the Bylaws of the Holstein Association USA, Inc.

**TRANSFER RECORD**

The ownership of this animal has been transferred on the records of Holstein Association USA, Inc. as follows.

**AI Total US; HUDSON, WI****525062****09/01/17**

The animal described by this certificate has been accepted for registration with the Holstein Association USA, Inc. This certificate is issued in full reliance upon the statements in the application for registration. In no event is this certificate a guarantee by the Association of the breeding or ownership of the animal or any other information in this document. The registration may be corrected or expunged from the records of the Association as authorized by the Bylaws of the Association.

DATE ISSUED

**09/28/17****005216929**

*John M. Meyer*  
Executive Secretary





# OFFICIAL HOLSTEIN PEDIGREE



U.S. Registered Holsteins  
FOR MAXIMUM PROFIT

Holstein Association USA, Inc.

U.S. Registered Holsteins  
FOR MAXIMUM PROFIT

www.holsteinusa.com

## 98% Registered Holstein Ancestry (RHA-I)

P9 30K GTPI 72%R  
+2710 G

515HO00309 KHAL  
12/27/2016 MALE

### WELCOME KHAL-ET

840003138817712 98%RHA-I

|     |        |          |          |         |        |
|-----|--------|----------|----------|---------|--------|
| PTA | +1949M | +75F     | +64P     | 74%R    | 8/2017 |
| PTA | +855NM | +.01%F   | +.02%P   | 100%US  |        |
| PTA | +7.9PL | 2.69SCS  | +1.4DPR  | 5.5%DCE |        |
| PTA | +2.03T | +1.86UDC | +1.85FLC | 72%R    | 8/2017 |
| PTA | +200FE | +1.8FI   | 8.1%SCE  |         |        |

AI TOTAL US  
STEVE MOWER  
1515 LIVINGSTONE RD STE B  
HUDSON, WI 54016-9300  
715/808-8653

### COGENT SUPERSHOT

NLD 755898903 100%RHA-NA TV TL TY TD  
03/14/2013

|     |        |         |         |         |        |
|-----|--------|---------|---------|---------|--------|
| PTA | +1963M | +45F    | +60P    | 96%R    | 8/2017 |
| PTA | +694NM | -.10%F  | +.00%P  | 78%US   |        |
| PTA | +7.9PL | 2.74SCS | +2.7DPR | 4.7%DCE |        |
| PTA | +1.18T | +.78UDC | +.54FLC | 94%R    | 8/2017 |

### DG CANDIDE

NLD 548077249 99%RHA-I TL TD  
08/26/2013

|     |        |          |          |         |        |
|-----|--------|----------|----------|---------|--------|
| PTA | +702M  | +65F     | +30P     | 80%R    | 8/2017 |
| PTA | +570NM | +.14%F   | +.03%P   |         |        |
| PTA | +4.7PL | 2.85SCS  | -.6DPR   | 5.2%DCE |        |
| PTA | +1.81T | +2.39UDC | +1.63FLC | 80%R    | 8/2017 |

### DG CHARLEY

DEU 538920253 99%RHA-I TC TV TL TY TD  
04/06/2015

|     |        |          |         |         |        |
|-----|--------|----------|---------|---------|--------|
| PTA | +1700M | +67F     | +56P    | 78%R    | 8/2017 |
| PTA | +824NM | +.02%F   | +.02%P  | 100%US  |        |
| PTA | +8.3PL | 2.66SCS  | +2.6DPR | 4.3%DCE |        |
| PTA | +1.48T | +1.56UDC | +.98FLC | 77%R    | 8/2017 |
| PTA | +172FE | +2.9FI   | 7.4%SCE |         |        |

### WELCOME DAMARIS KHLOE-ET

840003126283412 96%RHA-I  
04/04/2015

|     |        |          |          |         |        |
|-----|--------|----------|----------|---------|--------|
| PTA | +1304M | +52F     | +44P     | 78%R    | 8/2017 |
| PTA | +696NM | +.01%F   | +.02%P   |         |        |
| PTA | +8.1PL | 2.74SCS  | +1.9DPR  | 4.9%DCE |        |
| PTA | +2.32T | +1.73UDC | +2.08FLC | 77%R    | 8/2017 |
| PTA | +130FE | +2.3FI   | 6.2%SCE  |         |        |

### S-S-I STERLING DAMARIS-ET

840003011538150 99%RHA-I TR TP TV TL TY  
01/22/2013

|     |        |          |          |         |        |
|-----|--------|----------|----------|---------|--------|
| PTA | +1525M | +50F     | +51P     | 95%R    | 8/2017 |
| PTA | +712NM | -.02%F   | +.02%P   | 100%US  |        |
| PTA | +9.1PL | 2.90SCS  | +1.7DPR  | 6.0%DCE |        |
| PTA | +1.78T | +1.36UDC | +1.97FLC | 90%R    | 8/2017 |

### NO-FLA MCCUTCHEN 35703-ET

840003011527652 93%RHA-I  
4-04 90 EVEEE DOM 04/21/2013

|     |        |          |          |         |        |
|-----|--------|----------|----------|---------|--------|
| PTA | +1204M | +62F     | +36P     | 82%R    | 8/2017 |
| PTA | +584NM | +.06%F   | +.00%P   |         |        |
| PTA | +4.8PL | 2.71SCS  | +.6DPR   | 4.3%DCE |        |
| PTA | +2.83T | +2.02UDC | +1.76FLC | 82%R    | 8/2017 |

|     |      |      |      |       |     |     |      |     |         |
|-----|------|------|------|-------|-----|-----|------|-----|---------|
| AGE | X    | DAYS | MILK | DCRM  | %   | FAT | %    | PRT | DCRC    |
| *** | 2-04 | 3    | 305  | 29620 | 100 | 4.0 | 1182 | 3.0 | 901 90  |
|     |      |      | 365  | 35420 | 100 | 4.0 | 1416 | 3.0 | 1076 90 |



**Holstein Association USA, Inc.**

1 Holstein Place • PO Box 808 • Brattleboro, VT 05302-0808  
800.952.5200 • Fax: 802.254.8251  
www.holsteinusa.com

## DNA GENOTYPE CERTIFICATE

**NAME:** 840003138817712 M WELCOME KHAL-ET  
**DOB:** 12/27/2016 M17117014

**SIRE:** DEU 538920253 DG CHARLEY  
**DAM:** 840 3126283412 WELCOME DAMARIS KHLOE-ET

|         |         |
|---------|---------|
| BM1818  | 266/266 |
| BM1824  | 178/188 |
| BM2113  | 127/139 |
| CYP21   | 194/198 |
| ETH10   | 209/223 |
| ETH225  | 148/150 |
| ETH3    | 129/129 |
| INRA023 | 214/214 |
| RM067   | 92 /92  |
| SPS115  | 248/248 |
| TGLA126 | 115/115 |
| TGLA122 | 163/183 |
| TGLA227 | 89 /97  |
| TGLA53  | 158/158 |
| MGTG4B  | 135/141 |
| SPS113  | 151/155 |

**Parentage Status:** Qualifies

**Date Tested:** 10/24/2017  
**Date Issued:** 10/24/2017

The allele sizes reported have been adjusted to animal #1 of the 1995 USA/CS-ISAG comparison test.  
005256935





# HOLSTEIN ASSOCIATION USA, INC.

1 Holstein Place, PO Box 808, Brattleboro, VT 05302-0808  
[www.holsteinusa.com](http://www.holsteinusa.com) 800.952.5200

## Genetic Code Report

**WELCOME KHAL-ET 840003138817712 HMID: 3384**

**AI Total US, Hudson WI**

**DOB:** 12/27/2016

**Sire:** DG CHARLEY

DEU 538920253

**Dam:** WELCOME DAMARIS KHLOE-ET

840003126283412

| GENETIC CONDITIONS                    | Khal                 | SIRE    | DAM  |
|---------------------------------------|----------------------|---------|------|
| CVM                                   | TV HHCT(Non-Carrier) | TV HHCT | HHCT |
| Brachyspina                           | TY HH0T(Non-Carrier) | TY HH0T | HH0T |
| BLAD                                  | TL HHBT(Non-Carrier) | TL HHBT | HHBT |
| DUMPS                                 | TD HHDT(Non-Carrier) | TD HHDT | HHDT |
| Mulefoot                              | HHMT(Non-Carrier)    | HHMT    | HHMT |
| Cholesterol Deficiency                | HCD0(Non-Carrier)    | HCD0    | HCD0 |
| Horned/Polled                         | HHPT(Non-Carrier)    | HHPT    | HHPT |
| Dominant Red                          | HDRT(Non-Carrier)    | HDRT    | HDRT |
| Recessive Red                         | HRR0(TR)             | HRR0    | HRR0 |
| Black/Red                             | HBRT(Non-Carrier)    | HBRT    | HBRT |
| <b>HAPLOTYPES IMPACTING FERTILITY</b> |                      |         |      |
| Haplotype 1                           | HH1T(Non-Carrier)    | HH1T    | HH1T |
| Haplotype 2                           | HH2T(Non-Carrier)    | HH2T    | HH2T |
| Haplotype 3                           | HH3T(Non-Carrier)    | HH3T    | HH3T |
| Haplotype 4                           | HH4T(Non-Carrier)    | HH4T    | HH4T |
| Haplotype 5                           | HH5T(Non-Carrier)    | HH5T    | HH5T |
| <b>MILK PROTEINS</b>                  |                      |         |      |
| Beta Casein A2                        | A2/A2                |         |      |
| Kappa Casein                          | AB                   |         |      |

For more on interpreting this report, visit [www.holsteinusa.com](http://www.holsteinusa.com)

Printed: 11-02-17

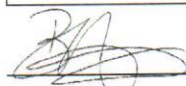


maxxam.ca

MAXXAM ANALYTICS  
335 Laird Road – Unit 2  
Guelph, ON N1G 4P7  
Canada

Office 519 836 2400  
Toll Free 877 706 7678  
Fax 519 836 4218

| KAPPA CASEIN REPORT – (KCS)                                                                         |                                           |                                         |                                           |  |  |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------------------|--|--|
| REPORT ISSUE TO                                                                                     |                                           | REPORT DETAILS                          |                                           |  |  |
| <b>ISSUED TO</b><br>HOLSTEIN ASSOCIATION<br>USA<br>1 HOLSTEIN PL.<br>BRATTLEBORO, VT 05302-0808 USA | <b>OWNER INFORMATION</b>                  | <b>MAXXAM CASE NBR.</b> HU2017117014    | <b>REPORT I.D.</b> 1                      |  |  |
|                                                                                                     |                                           | <b>RECEIVED DATE</b> 2017/10/18         | <b>REPORT DATE</b> 2017/10/30             |  |  |
|                                                                                                     |                                           | <b>SAMPLE CONDITION</b> ACCEPTABLE      | <b>SAMPLE TYPE</b> HAIR                   |  |  |
|                                                                                                     |                                           | <b>TEST METHOD</b> KCS DIAGNOSTIC ASSAY | <b>TEST DATE</b> 2017/10/30               |  |  |
| SUBJECT ANIMAL DETAILS                                                                              |                                           |                                         |                                           |  |  |
| <b>NAME</b> WELCOME KHAL-ET                                                                         |                                           | <b>BREED</b> HOLSTEIN USA               |                                           |  |  |
| <b>TATTOO NUMBER</b>                                                                                | <b>REGISTRATION NUMBER</b> 840 3138817712 |                                         | <b>BARCODE</b> HAU0999284A-01             |  |  |
| <b>SEX</b> MALE                                                                                     |                                           | <b>YEAR OF BIRTH</b> 2016               |                                           |  |  |
| SIRE DETAILS                                                                                        |                                           |                                         | DAM DETAILS                               |  |  |
| <b>NAME</b> DG CHARLEY                                                                              |                                           |                                         | <b>NAME</b> WELCOME DAMARIS KHLOE-ET      |  |  |
| <b>TATTOO NUMBER</b>                                                                                | <b>REGISTRATION NUMBER</b> DEU 538920253  | <b>TATTOO NUMBER</b>                    | <b>REGISTRATION NUMBER</b> 840 3126283412 |  |  |
| RESULTS                                                                                             |                                           | COMMENTS                                |                                           |  |  |
| <b>AB</b>                                                                                           |                                           |                                         |                                           |  |  |

  
 Becky Henderson  
 Senior Customer Service Representative

Signature indicates generation of DNA genetic marker report from previously analyzed data.  
 The results relate only to the sample submitted and/or the sub-sample tested.  
 This DNA profile is standardized to the specifications of the International Society of Animal Genetics (ISAG)  
 Test performed by Maxxam Analytics Forensic and DNA Services Division 335 Laird Rd, Unit 2, Guelph, Ontario N1G 4P7.  
 ISAG Institutional Membership code 84509  
 Industrial Standards Organization 17025 (ISO) and International Committee for Animal Recording (ICAR) accredited

Success Through Science®