



OFFICIAL HOLSTEIN PEDIGREE

Holstein Association USA, Inc.



99% Registered Holstein Ancestry (RHA-I)

T-GEN-AC ALTASKETCH-ET P9 77K GTPI 91%R
840003012559635 99%RHA-I TR TP TC TY TV
+2242 G

PTA +635M +67F +30P 94%R 4/2018
PTA +425NM +.16%F +.04%P 84%US
PTA +.9PL 3.00SCS -1.7DPR 4.2%DCE
PTA +2.49T +1.57UDC +1.48FLC 86%R 4/2018
PTA +114FE -0.9FI 6.4%SCE
D/AV 28240M 4.0%F 1139F 3.2%P 895P 80.6T

ALTA GENETICS, INC.
1 - 263090 RANGE ROAD 11
ROCKY VIEW COUNTY AB, T4B 2T3
CANADA
403/226-0666

DE-SU 521 BOOKEM-ET 50K GTPI 99%R
USA 66636657 99%RHA-I TR TP TY TV TL TD
8-04 90 EEVV GM 8/15 +2281 G
02/21/2009

PTA +1266M +30F +48P 99%R 4/2018
PTA +493NM -.06%F +.03%P 41%US
PTA +3.7PL 2.84SCS -.1DPR 3.9%DCE
PTA +1.46T +1.20UDC +1.19FLC 99%R 4/2018

SULLY SHOTTLE MAY-TW 50K GTPI 96%R
USA 138218285 100%RHA-NA TR TP TY TV TL TD
9-00 91 EEVEE 2E DOM +1943 G
03/27/2007

PTA +636M +19F +26P 96%R 4/2018
PTA +189NM -.02%F +.02%P
PTA -.1PL 2.97SCS -.6DPR 5.7%DCE
PTA +1.23T +1.02UDC +1.22FLC 96%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
5-04 3 365 38970 98 3.5 1354 3.0 1152 84
6-07 3 365 39960 98 3.9 1555 3.3 1302 85
LIFE 1844 192480 3.6 6852 3.0 5844

DE-SU BKM MCCUTCHEN 1174-ET 50K GTPI 99%R
USA 69990138 99%RHA-I TR TP TC TY TV TL TD
4-10 93 EEEE GM 8/15 +2300 G
11/25/2010

PTA +827M +51F +32P 99%R 4/2018
PTA +404NM +.07%F +.02%P 48%US
PTA +1.3PL 2.82SCS -1.6DPR 3.6%DCE
PTA +3.15T +2.36UDC +2.04FLC 99%R 4/2018
PTA +88FE -0.9FI 7.6%SCE

RONELEE IOTA DOODLE-ET 77K GTPI 87%R
USA 141550424 100%RHA-NA TY TV TL TD
5-01 86 VV++V DOM +2191 G
10/08/2011

PTA +907M +50F +33P 88%R 4/2018
PTA +473NM +.06%F +.02%P
PTA +3.3PL 2.80SCS -1.1DPR 5.5%DCE
PTA +1.54T +.96UDC +.70FLC 88%R 4/2018
PTA +101FE -0.5FI 6.6%SCE
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-01 2 305 23630 94 4.0 957 3.1 744 94
365 27850 94 4.1 1150 3.2 903 94
4-05 2 305 28800 95 3.9 1111 3.1 901 95
308 28980 95 3.9 1119 3.1 907 95
5-09 2 282 23980 94 3.9 927 3.1 751 94

REGANCREST ALTAIOTA-ET 50K GTPI 99%R
USA 61898306 100%RHA-NA TR TP TC TY TV TL TD
GM 12/14 +2125 G
06/12/2005

PTA +461M +48F +30P 99%R 4/2018
PTA +327NM +.11%F +.06%P 16%US
PTA -.4PL 3.03SCS +.6DPR 5.8%DCE
PTA +1.32T +1.24UDC +.74FLC 99%R 4/2018

RONELEE OUTSIDE DABBLE-ET 140K GTPI 97%R
USA 134644585 100%RHA-NA TY TV TL TD
6-08 91 EEEEE 2E GMD DOM +1893 G
06/29/2003

PTA +1192M +6F +26P 97%R 4/2018
PTA +236NM -.14%F -.04%P
PTA +3.6PL 2.84SCS -1.3DPR 7.6%DCE
PTA +.96T +.33UDC +.38FLC 97%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-00 3 305 32110 100 3.0 965 2.9 940 90
365 37850 100 3.1 1168 2.9 1114 90
3-06 3 305 36850 100 3.6 1309 2.9 1064 89
365 42250 100 3.6 1525 2.9 1236 89
5-03 3 305 38050 99 3.6 1378 2.9 1119 89
365 44530 99 3.6 1612 2.9 1313 89
LIFE 2021 185730 3.6 6757 3.0 5614

ENSENADA TABOO PLANET-ET +2052 G
USA 60597003 100%RHA-NA TR TP TY TV TL TD
14-03 92 EEV GM 12/13 03/03/2003
PTA +1504M +37F +44P 99%R 4/2018
PTA +457NM -.07%F -.01%P 59%US
PTA +.43T +.56UDC -.85FLC 99%R 4/2018

CLEAR-ECHO 822 RAMO 1199-ET IMP GTPI 94%R
USA 61765027 99%RHA-I TL +1718 G
2-06 86 +VGEV DOM 10/17/2004
PTA +685M -16F +24P 94%R 4/2018
PTA +.48T +.00UDC +1.37FLC 93%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-00 3 305 26750 97 3.5 944 3.1 828 95
365 32190 97 3.4 1103 3.1 1003 95

PICSTON SHOTTLE-ET +1887 G
GBR 598172 100%RHA-NA TY TV TL TD
GM 12/11 07/23/1999
PTA +480M +26F +10P 99%R 4/2018
PTA +181NM +.03%F -.02%P 13%US
PTA +1.16T +.68UDC +.35FLC 99%R 4/2018
50K GTPI 85%R

MS SULLY OMAN MUETZE-ET +1836 G
USA 137317589 100%RHA-NA TR TP TY TV TL TD
4-00 90 EEVEV DOM 05/01/2005
PTA +980M +10F +41P 86%R 4/2018
PTA +.50T -.01UDC +.25FLC 85%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
1-10 2 365 25620 94 3.6 911 3.2 813 94
3-08 2 330 32850 95 3.8 1264 3.1 1027 95
4-08 2 365 33860 94 3.4 1164 3.2 1086 94
6-02 2 365 29510 95 3.9 1157 3.3 974 95
LIFE 2427 176480 3.7 6536 3.3 5778

O-BEE MANFRED JUSTICE-ET +1935 G
USA 122358313 100%RHA-NA TR TP TY TV TL TD
7-07 94 EEEE GM 12/11 03/08/1998
PTA +196M +38F +27P 99%R 4/2018
PTA +324NM +.11%F +.08%P 58%US
PTA -1.24T -1.45UDC -.06FLC 99%R 4/2018
IMP GTPI 89%R

REGANCREST ITO ISA +1647 G
USA 60870571 100%RHA-NA TR TP TY TV TL TD
2-09 86 +E+VV GMD 05/05/2002
PTA -248M -22F -1P 88%R 4/2018
PTA +.41T +.38UDC -.24FLC 87%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-00 2 305 26180 103 3.7 978 3.3 867 95
365 31510 103 3.6 1143 3.3 1051 95

COMESTAR OUTSIDE-ET +1680 G
CAN 6026421 100%RHA-NA TY TV TL TD
CAN EX 95 GM 1/08 02/27/1994
PTA -123M +14F -17P 99%R 4/2018
PTA +90NM +.07%F -.05%P 17%US
PTA +.18T -.16UDC +.81FLC 99%R 4/2018
IMP GTPI 89%R

RONELEE RUDOLPH DIMPLE +1594 G
USA 126084418 100%RHA-NA TR TP TY TV TL TD
6-04 93 EEEEE 2E DOM 07/08/1998
PTA +720M +8F +15P 89%R 4/2018
PTA +.12T -.54UDC -1.04FLC 88%R 4/2018
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-03 3 305 32220 97 3.5 1118 3.0 958 97
365 37550 97 3.5 1312 3.0 1131 97
3-10 3 305 39080 99 3.4 1335 2.9 1118 89
365 44780 99 3.5 1571 2.9 1303 89
5-08 3 305 39920 100 3.7 1459 2.8 1137 90
365 45920 100 3.7 1713 2.9 1341 90
LIFE 1582 164010 3.6 5900 3.0 4974

ROSE-BAUM TABOO-ET +1482 G
USA 17121203 100%RHA-NA TV TL TD
7-01 87 EVV+ GM 8/05 07/16/1996
PLUSHANSKI AMEL PATTY-ET +1788 G
USA 130161039 100%RHA-NA TV
9-05 93 EEEEE 3E GMD DOM 11/20/1998
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
LIFE 2614 256020 3.3 8356 2.9 7325

RAMOS +1904 G
DEU 253642 98%RHA-I BY TV TL TD
GM 4/11 06/26/1997
PTA -330M +1F +1P 99%R 4/2018
PTA -.22T -.24UDC +.47FLC 99%R 4/2018

CLEAR-ECHO HERSHL D-RAC 822 +1625 G
USA 60427332 100%RIIA-NA TR TP TY TV TL TD
5-01 87 VVVVV DOM 09/12/2001
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
LIFE 1641 152450 3.1 4692 2.8 4343

CAROL PRELUDE MTOTO-ET +1700 G
ITA 6001001962 100%RHA-NA TV TL TD
GM 1/08 07/13/1993
CONDON AERO SHARON +1430 G
CAN 5373153 100%RHA-NA TR TP TY TV TL TD
01/20/1991

O-BEE MANFRED JUSTICE-ET +1935 G
USA 122358313 100%RHA-NA TR TP TY TV TL TD
7-07 94 EEEE GM 12/11 03/08/1998
PTA +196M +38F +27P 99%R 4/2018
PTA -1.24T -1.45UDC -.06FLC 99%R 4/2018

JOHNAN MARSHALL MINT +1560 G
USA 51765406 100%RHA-NA TR TP TY TV TL TD
2-10 85 VE+GV 07/27/2002
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
2-02 2 365 31030 94 3.1 961 2.8 883 94

HA-HO CUBBY MANFRED-ET +1548 G
USA 2183007 100%RHA-NA TV TL TD
5-07 82 +GVV GM 8/03 12/07/1991
MEIER-MEADOWS EL JEZEBEL-ET +1578 G
USA 15459080 100%RHA-NA CV BL
5-02 92 EVEVE GMD DOM 06/30/1994
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
4-02 2 365 35082 100 4.4 1539 3.3 1167 100

BARBEE-M JUROR ITO-ET +1614 G
USA 2287161 100%RHA-NA TV TL TD
9-08 90 EEV GM 8/04 06/18/1995
PTA -71M -12F -11P 99%R 4/2018
PTA -.33T +.05UDC -.58FLC 99%R 4/2018

REGANCREST EMORY DORISSA-ET +1336 G
USA 15967188 100%RHA-NA TR TP TY TV TL TD
7-10 86 VVEGV GMD DOM 11/08/1995
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
LIFE 1826 158030 3.9 6129 3.4 5312

RONNYBROOK PRELUDE-ET +1264 G
CAN 392457 100%RHA-NA TL TD
CAN 05Y GP 81 GM 8/97 08/14/1986

COMESTAR L OR BLACK-ET +1491 G
CAN 5311227 100%RHA-NA TR TP TY TV TL TD
CAN 05Y VG 87 12/15/1990

STARTMORE RUDOLPH-ET +1563 G
CAN 5470579 100%RHA-NA TV TL TD
15-02 85 VV+V GM 8/07 07/17/1991
PTA +86M -13F +1P 99%R 4/2018
PTA -1.03T -1.05UDC -1.97FLC 99%R 4/2018

SELECT MARK DOLLY +1334 G
USA 15369551 100%RHA-NA TM
12-02 95 EEEEE 4E GMD DOM 11/08/1993
*** AGE X DAYS MILK DCRM % FAT % PRT DCRC
6-07 3 365 45870 96 4.0 1846 2.9 1344 96
8-08 3 365 40960 99 3.5 1424 2.9 1193 88
LIFE 3295 276300 3.6 9992 3.1 8440

Protein reported is true protein.

005390718 43318503 6/14/2018