



OFFICIAL HOLSTEIN PEDIGREE

Holstein Association USA, Inc.



99% Registered Holstein Ancestry (RHA-I)

BOMAZ ALTAPURITY-ET P9 140K GTPI 78%R
 USA 73953426 99%RHA-I TP TC TY TV TL TD +2595 G

PTA +1653M +71F +59P 79%R 4/2018
 PTA +789NM +.03%F +.03%P 100%US
 PTA +5.9PL 2.86SCS +.5DPR 4.4%DCE
 PTA +1.54T +2.09UDC +1.16FLC 78%R 4/2018
 PTA +183FE +1.0FI 7.2%SCF

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

MOUNTFIELD SSI DCY MOGUL-ET 50K GTPI 99%R
 840003006972816 100%RHA-NA TR TP TC TY +2423 G
 7-00 93 EEVE GM 8/15 06/22/2010

PTA +1215M +78F +39P 99%R 4/2018
 PTA +591NM +.12%F +.01%P 66%US
 PTA +2.6PL 2.98SCS -2.1DPR 3.8%DCE
 PTA +2.20T +3.09UDC +2.25FLC 99%R 4/2018

STE ODILE MANOMAN MOD PLATINE 50K GTPI 86%R
 CAN 106505969 100%RHA-NA +1946 G
 12/17/2010

PTA +602M +30F +24P 87%R 4/2018
 PTA +211NM +.03%F +.02%P
 PTA -.4PL 3.28SCS -.3DPR 6.9%DCE
 PTA +1.30T +1.09UDC +.29FLC 84%R 4/2018

STE ODILE PURE-ET P9 77K GTPI 98%R
 CAN 108013902 100%RHA-NA B/R TP TY TV +2256 G
 11/15/2012

PTA +1853M +54F +53P 99%R 4/2018
 PTA +441NM -.05%F -.01%P 64%US
 PTA +1.0PL 3.50SCS -.6DPR 4.7%DCE
 PTA +1.87T +2.04UDC +1.11FLC 98%R 4/2018
 PTA +140FE +0.1FI 6.2%SCF

BOMAZ OAK 6141-ET 9K GTPI 81%R
 USA 72952052 99%RHA-I +2529 G
 2-10 82 +++++ DOM 09/22/2013

PTA +1091M +65F +59P 82%R 4/2018
 PTA +809NM +.09%F +.09%P
 PTA +7.3PL 2.55SCS -.1DPR 5.1%DCE
 PTA +.91T +.95UDC +1.03FLC 80%R 4/2018
 PTA +182FE -.01FI 8.0%SCF
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-06 3 305 34870 102 4.2 1451 3.7 1284 90
 365 41900 102 4.1 1736 3.7 1571 90

PINE-TREE ALTAOAK-ET 50K GTPI 99%R
 USA 69169951 99%RHA-I TR TP TC TY TV TL +2327 G
 07/07/2011

PTA +1905M +66F +55P 99%R 4/2018
 PTA +588NM -.02%F -.01%P 56%US
 PTA +4.0PL 2.65SCS -2.1DPR 5.5%DCE
 PTA +1.35T +1.11UDC +.64FLC 99%R 4/2018

BOMAZ ROBUST 5549-ET 50K GTPI 83%R
 USA 71074579 99%RHA-I +2381 G
 3-07 85 VV++V GMD 12/19/2011

PTA +668M +25F +45P 86%R 4/2018
 PTA +658NM +.00%F +.09%P
 PTA +6.3PL 2.78SCS +1.7DPR 4.8%DCE
 PTA +.74T +1.26UDC +1.22FLC 80%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 1-11 3 305 26760 97 3.1 834 3.4 922 97
 365 30360 97 3.1 950 3.5 1067 97
 *** 3-03 3 305 37490 100 3.6 1367 3.4 1281 95
 347 39180 100 3.7 1461 3.4 1349 95
 *** 4-05 3 305 37130 102 3.4 1245 3.6 1323 90
 341 39870 102 3.4 1361 3.6 1427 90
 LIFE 1099 111730 3.5 3865 3.5 3932

COYNE-FARMS DORCY-ET +2275 G
 USA 139005002 100%RHA-NA BY TC TV TL TD
 4-09 87 VVV+ 09/17/2007
 PTA +1316M +25F +37P 99%R 4/2018
 PTA +470NM -.08%F -.01%P 29%US
 PTA +1.82T +3.00UDC +1.57FLC 99%R 4/2018

MOUNTFIELD MARSH MAXINE-ET 50K GTPI 92%R
 USA 62784081 100%RHA-NA +2024 G
 2-07 88 VV+VE DOM 04/23/2006
 PTA +224M +69F +25P 92%R 4/2018
 PTA +1.17T +1.07UDC +1.29FLC 92%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-03 2 159 14320 4.3 611 3.2 454

LONG-LANGS OMAN OMAN-ET +2018 G
 USA 135746776 100%RHA-NA TY TV TL TD
 4-11 85 VVV+ GM 12/13 04/30/2004
 PTA +440M +37F +41P 99%R 4/2018
 PTA +287NM +.08%F +.10%P 22%US
 PTA +.21T +.34UDC -.69FLC 99%R 4/2018

LES091 BAXTER MODEL RUBIS 50K GTPI 87%R
 CAN 104883111 100%RHA-NA +1927 G
 CAN 03Y VG 87 07/05/2008
 PTA +68M +37F +9P 88%R 4/2018
 PTA +1.48T +1.06UDC +1.18FLC 87%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 CAN 2-02 2 305 30619 4.2 1296 3.0 927
 365 35582 4.3 1527 3.0 1071
 CAN 5-01 2 365 35944 4.1 1468 3.0 1083
 CAN 6-06 2 310 28636 4.0 1138 3.0 870
 LIFE 1040 100162 4.1 4133 3.0 3024

RI-VAL-RE 2338 NIAGRA-ET +1847 G
 USA 62067753 100%RHA-NA TR TV TL TD
 GM 12/12 11/29/2004
 PTA +1478M +30F +45P 99%R 4/2018
 PTA +226NM -.09%F +.00%P 60%US
 PTA +1.03T +.90UDC -.81FLC 99%R 4/2018

PINE-TREE LEIF SUZY-ET 50K GTPI 92%R
 USA 66882395 98%RHA-I +2059 G
 7-02 91 EEEEE DOM 05/14/2009
 PTA +474M +28F +19P 93%R 4/2018
 PTA +.48T +.33UDC +1.39FLC 92%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-03 3 305 28410 94 3.7 1048 3.2 895 88
 4-02 3 319 33340 100 4.0 1332 3.1 1036 88
 5-02 3 338 39350 99 3.4 1332 3.1 1213 87
 * 6-03 3 365 37510 98 4.1 1533 2.9 1100 87
 LIFE 2111 212250 3.8 8107 3.1 6580

ROYLANE SOCRA ROBUST-ET +2504 G
 USA 64966739 100%RHA-NA TR TV TL TD
 3-03 88 VVVV GM 8/15 12/23/2008
 PTA +973M +73F +44P 99%R 4/2018
 PTA +766NM +.13%F +.05%P 98%US
 PTA +.67T +1.23UDC +1.56FLC 99%R 4/2018

BOMAZ PLANET 4906 50K GTPI 85%R
 USA 68886672 99%RHA-I TV +2114 G
 5-06 90 EEVVE 01/20/2010
 PTA +1561M +14F +49P 87%R 4/2018
 PTA +1.40T +.81UDC +.81FLC 80%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-01 3 305 31820 97 2.7 874 3.1 985 97
 365 38460 97 2.7 1042 3.2 1214 97
 *** 3-05 3 305 37780 97 2.9 1084 3.0 1140 97
 365 44530 97 2.9 1274 3.1 1378 97
 *** 5-00 3 305 42200 99 3.0 1246 3.0 1250 96
 365 48530 99 3.0 1444 3.1 1495 96
 LIFE 1754 197760 2.9 5796 3.3 6428

SANDY-VALLEY BOLTON-ET +1894 G
 USA 131823833 100%RHA-NA BY TV TL
 5-11 90 EE+V GM 4/11 09/11/2001
COYNE-FARMS BRET DAFFERS-ET +2071 G
 USA 61319723 100%RHA-NA CV
 5-07 91 EV+EE DOM 07/26/2004
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 3-01 3 365 34280 99 4.4 1504 3.1 1068 91

PASEN MARSH-ET +1666 G
 USA 130312332 100%RHA-NA TR TY TV TL
 07/21/2000
 PTA +300M +9F +7P 99%R 4/2018
 PTA +.58T +1.21UDC +1.05FLC 99%R 4/2018

PINE-TREE MISSY MIRANDA-ET +2022 G
 USA 61733095 100%RHA-NA
 4-03 86 VVV+V DOM 05/01/2004
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 LIFE 1539 122890 4.5 5535 3.6 4482

O-BEE MANFRED JUSTICE-ET +1935 G
 USA 122358313 100%RHA-NA TR TV TL TD
 7-07 94 EEEE GM 12/11 03/08/1998

WINNING-WAY MARCI-ET +1602 G
 USA 130677626 100%RHA-NA CV
 7-04 89 EEVTV 09/24/2000
 ** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 1-11 2 365 32010 94 4.8 1544 3.4 1098 94

EMERALD-ACR-SA T-BAXTER +1932 G
 USA 132973942 100%RHA-NA B/R TY TV TL
 04/07/2002
 PTA +1174M +47F +14P 99%R 4/2018
 PTA +.80T +.80UDC +.69FLC 99%R 4/2018

LES091 GOLDWYN MODEL IRIS-ET +1629 G
 CAN 103568312 100%RHA-NA
 CAN EX 90 06/15/2006

END-ROAD PVF BOLIVER-ET +1727 G
 USA 123586443 100%RHA-NA TY TV TL TD
 11-11 96 EEEE GM 8/09 11/27/1998

RI-VAL-RE JESTHER NILLIE-ET +1652 G
 USA 60403538 100%RHA-NA CV
 6-00 91 EEVEV 2E DOM 11/25/2001
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 LIFE 1805 145700 3.5 5127 3.3 4738

LEIF +1930 G
 DEU 344825401 97%RHA-I TV TL
 07/03/1999
 PTA -.228M +33F +4P 98%R 4/2018
 PTA -.10T +.25UDC +.65FLC 96%R 4/2018

PINE-TREE MONICA SUZY-ET +1858 G
 USA 62443691 100%RHA-NA
 3-02 87 VEV+V DOM 01/17/2006
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-02 3 305 29360 97 3.8 1120 3.0 888 89

VELVET-VIEW-KJ SOCRATES-ET +1832 G
 USA 133126053 100%RHA-NA TR TV TL TD
 5-07 94 EEEE GM 8/09 07/16/2002

SEAGULL-BAY OMAN MIRROR-ET +2327 G
 USA 62115945 100%RHA-NA
 3-09 86 +VVVV DOM 11/12/2004

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

BOMAZ RAMOS 4286-ET +1846 G
 USA 64710457 99%RHA-I
 6-05 91 EEVVE 2E 02/21/2008
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-11 3 365 32230 97 3.2 1044 3.1 1000 97
 *** 4-01 3 365 41170 97 3.4 1409 3.1 1290 97
 LIFE 1533 150460 3.2 4874 3.1 4709

Protein reported is true protein.

005390718 43320987 6/14/2018