



OFFICIAL HOLSTEIN PEDIGREE

Holstein Association USA, Inc.



99% Registered Holstein Ancestry (RHA-I)

GLEN-D-HAVEN ALTAHUNTER-ET +2490 G
P9 140K GTPI 78%R
840003131710354 99%RHA-I TR TP TC TY TV

PTA +2444M +76F +66P 79%R 4/2018
PTA +655NM -.05%F -.03%P 100%US
PTA +3.1PL 2.81SCS -.9DPR 5.1%DCE
PTA +1.99T +1.34UDC +.43FLC 78%R 4/2018
PTA +167FE +0.0FI 7.5%SCE

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

DE-SU JEROD 1223-ET +2182 G
50K GTPI 98%R
USA 69990187 100%RHA-NA TY TV TL TD
4-07 90 EEEV GM 12/15 02/28/2011

PTA +391M +41F +20P 99%R 4/2018
PTA +430NM +.10%F +.03%P 91%US
PTA +3.7PL 2.78SCS +2.9DPR 5.1%DCE
PTA +.86T +.98UDC -.94FLC 98%R 4/2018

GLEN-D-HAVEN IOTA BAMBI-ET +2152 G
50K GTPI 88%R
USA 56517166 100%RHA-NA
4-01 90 EVEVE 07/01/2011

PTA +1045M +57F +50P 89%R 4/2018
PTA +346NM +.06%F +.06%P
PTA -1.3PL 3.28SCS -2.8DPR 6.0%DCE
PTA +2.12T +1.84UDC +1.31FLC 88%R 4/2018
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 2-02 3 365 40170 89 4.5 1805 3.4 1361 89
** 4-00 3 298 34830 86 4.4 1522 3.2 1122 86
LIFE 1304 124330 4.5 5535 3.4 4273

GLEN-D-HAVEN ALTAHOTROD +2536 G
P9 77K GTPI 93%R
USA 55618778 100%RHA-NA TR TP TC TY TV
09/05/2013

PTA +1930M +72F +65P 96%R 4/2018
PTA +621NM +.00%F +.02%P 79%US
PTA +2.3PL 2.90SCS +.1DPR 4.6%DCE
PTA +2.48T +1.66UDC +1.07FLC 93%R 4/2018
PTA +168FE +0.9FI 7.1%SCE

GLEN-D-HAVEN OAK MAGGIE +2238 G
9K GTPI 81%R
USA 55618786 99%RHA-I TL TD
3-08 85 V++V+ 10/01/2013

PTA +2289M +55F +49P 82%R 4/2018
PTA +495NM -.10%F -.07%P
PTA +3.5PL 2.62SCS -2.0DPR 7.4%DCE
PTA +1.39T +1.02UDC +.90FLC 83%R 4/2018
PTA +105FE -1.7FI 9.2%SCE
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 2-01 3 305 28270 86 3.4 973 2.7 776 86
365 35970 86 3.6 1283 2.8 993 86
** 3-03 3 305 38300 87 3.7 1426 3.0 1131 87
365 44430 87 3.8 1684 3.0 1333 87

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

GLEN-D-HAVEN OS MAYCE +2135 G
9K GTPI 82%R
USA 57173408 100%RHA-NA
3-04 87 VV++E 10/23/2011

PTA +1234M +33F +18P 83%R 4/2018
PTA +399NM -.05%F -.07%P
PTA +3.8PL 2.79SCS +.8DPR 7.3%DCE
PTA +1.30T +1.72UDC +1.23FLC 84%R 4/2018
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 1-11 3 305 31520 88 4.0 1275 2.8 883 88
365 35530 88 4.0 1430 2.8 996 88
** 3-02 3 305 31290 87 3.7 1149 2.8 890 87
365 35490 87 3.7 1317 2.9 1020 87

DE-SU OBSERVER-ET +2117 G
USA 65917481 100%RHA-NA TR TP TY TV TL
6-10 91 EEEV GM 12/14 11/07/2008
PTA +931M +13F +26P 99%R 4/2018
PTA +402NM -.08%F -.01%P 70%US
PTA +1.39T +2.34UDC -.20FLC 99%R 4/2018

RI-VAL-RE MICHAEL JASMINE +1835 G
50K GTPI 93%R
USA 66473426 100%RHA-NA TY
2-06 81 ++GG+ DOM 01/27/2009
PTA -485M +18F +1P 94%R 4/2018
PTA +.20T +.70UDC +.06FLC 93%R 4/2018
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 2-01 3 211 17220 3.8 659 3.1 529

REGANCREST ALTAIOTA-ET +2125 G
USA 61898306 100%RHA-NA TR TP TC TY TV
GM 12/14 06/12/2005
PTA +461M +48F +30P 99%R 4/2018
PTA +327NM +.11%F +.06%P 16%US
PTA +1.32T +1.24UDC +.74FLC 99%R 4/2018

GLEN-D-HAVEN GW BRIT-ET +1899 G
IMP GTPI 76%R
USA 52859858 100%RHA-NA
2-05 85 +VG+V GMD DOM 12/01/2005
PTA +143M +18F +17P 77%R 4/2018
PTA +1.67T +1.87UDC +.79FLC 77%R 4/2018
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 2-03 2 305 27930 92 4.6 1272 3.3 921 92X
365 32100 92 4.5 1449 3.4 1077 92
** 4-04 3 305 36000 87 4.1 1475 3.1 1120 87
365 40560 87 4.1 1662 3.2 1284 87

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 +2059 G
50K GTPI 92%R
USA 66882395 98%RHA-I
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

CO-OP O-STYLE OMAN JUST-ET +2014 G
USA 137611441 100%RHA-NA TR TY TV TL
GM 8/14 01/28/2006
PTA +1447M +16F +32P 99%R 4/2018
PTA +338NM -.13%F -.04%P 97%US
PTA +.44T +.24UDC +1.13FLC 99%R 4/2018

GLEN-D-HAVEN MILL KATIE-ET +1852 G
6K GTPI 82%R
USA 56282219 100%RHA-NA
4-00 90 VVEVE 12/01/2009
PTA +823M +40F +11P 82%R 4/2018
PTA +1.34T +1.34UDC +.72FLC 83%R 4/2018
** AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 1-10 3 293 26190 87 4.0 1047 2.8 738 87
** 2-10 3 313 34820 89 4.0 1395 2.8 968 89
** 3-10 3 305 31800 88 4.6 1471 2.8 892 88
365 36640 88 4.6 1683 2.8 1035 88
** 5-04 3 365 34370 87 4.5 1537 2.8 968 87
** 6-10 3 315 28340 86 3.6 1023 2.9 812 86
LIFE 1867 170190 4.2 7081 2.8 4836

ENSENADA TABOO PLANET-ET +2052 G
USA 60597003 100%RHA-NA TR TP TY TV TL
14-03 92 EEEV GM 12/13 03/03/2003
DE-SU OMAN 6121-ET +1844 G
USA 61681442 100%RHA-NA TL
2-08 86 VV+V GM DOM 03/02/2004

AGE X DAYS MILK DCRM % FAT % PRT DCRC
*** 2-01 3 365 34770 99 4.3 1505 3.2 1108 86

LUTZ-BROOKVIEW MICHAEL-ET +1680 G
USA 133389654 100%RHA-NA TR BY TV TL TD
5-05 90 EEEV 09/04/2002
PTA -162M +12F -3P 99%R 4/2018
PTA -.23T -.57UDC +1.05FLC 99%R 4/2018

RI-VAL-RE SHTLE LUCIE-ET +1808
USA 62067950 100%RHA-NA TV
3-03 85 VVG+V 12/09/2005
AGE X DAYS MILK DCRM % FAT % PRT DCRC
*** 1-11 2 365 25660 95 3.9 1006 3.3 849 95

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

REGANCREST ITO ISA +1647 G
USA 60870571 100%RHA-NA
2-09 86 +E+V GM 05/05/2002
AGE X DAYS MILK DCRM % FAT % PRT DCRC
*** 2-00 2 365 31510 103 3.6 1143 3.3 1051 95

BRAEDALE GOLDWYN +1853 G
CAN 10705608 100%RHA-NA CD TY TV TL
CAN 08Y GP 84 GM 12/11 01/03/2000
PTA -334M +13F +2P 99%R 4/2018
PTA +1.72T +1.44UDC +1.35FLC 99%R 4/2018

GLEN-D-HAVEN TEAMS BRENA-ET +1600 G
USA 52323636 100%RHA-NA
2-07 86 +EV+V GMD DOM 02/10/2004
AGE X DAYS MILK DCRM % FAT % PRT DCRC
LIFE 1641 139240 3.6 5029 3.2 4401

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 EEEV 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

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

KINGS-RANSOM TM DEVA CRI-ET +1977 G
USA 61089361 100%RHA-NA TY
4-00 88 EE+V GM DOM 10/23/2003

ENGLAND-AMMON MILLION-ET +1557 G
USA 61547476 100%RHA-NA TR TY TV TL TD
6-07 92 EEEE GM 4/11 04/30/2003
PTA -16M +25F -4P 99%R 4/2018
PTA +.34T +1.33UDC +.41FLC 99%R 4/2018

GLEN-D-HAVEN BOLTON BUZZ +2026 G
USA 53778156 100%RHA-NA
4-08 87 VVVVV GMD 02/16/2008
AGE X DAYS MILK DCRM % FAT % PRT DCRC
** 2-10 3 365 39640 88 4.4 1747 3.2 1256 87
** 4-04 3 365 35490 89 4.9 1745 3.2 1144 89
LIFE 1611 141780 4.6 6567 3.2 4519

Protein reported is true protein.

005390718 43321056 6/14/2018