



OFFICIAL HOLSTEIN PEDIGREE

Holstein Association USA, Inc.



99% Registered Holstein Ancestry (RHA-I)

BOMAZ ALTAGOLD-ET P9 140K GTPI 79%R +2565 G
 USA 73953407 99%RHA-I TR TP TC TY TV TL

PTA +723M +64F +38P 80%R 4/2018
 PTA +737NM +.13%F +.06%P 100%US
 PTA +6.4PL 2.70SCS +1.6DPR 4.2%DCE
 PTA +1.61T +2.07UDC +1.82FLC 78%R 4/2018
 PTA +143FE +2.2FI 7.3%SCE

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 +2423 G
 840003006972816 100%RHA-NA TR TP TC TY
 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

SEAGULL-BAY SNOW DARLING-ET 50K GTPI 88%R +2125 G
 USA 70640273 100%RHA-NA TR TP TC TY
 4-08 88 EEVEV DOM 07/22/2011

PTA +1888M +45F +53P 88%R 4/2018
 PTA +402NM -.09%F -.02%P 7.1%DCE
 PTA +2.1PL 2.85SCS -2.3DPR 88%R 4/2018
 PTA +1.32T +.71UDC +.57FLC
 * AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-06 2 305 30600 94 3.4 1045 2.9 902 94
 365 35620 94 3.5 1257 3.0 1077 94

SEAGULL-BAY SILVER-ET P9 77K GTPI 98%R +2557 G
 USA 72156794 100%RHA-NA TC TY TV TL TD
 GM 12/17 04/10/2013

PTA +1093M +91F +50P 99%R 4/2018
 PTA +687NM +.18%F +.06%P 67%US
 PTA +3.6PL 2.86SCS -2.3DPR 4.2%DCE
 PTA +2.44T +2.94UDC +1.89FLC 98%R 4/2018
 PTA +180FE -1.4FI 7.8%SCE

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

PTA +668M +25F +45P 86%R 4/2018
 PTA +658NM +.00%F +.09%P 4.8%DCE
 PTA +6.3PL 2.78SCS +1.7DPR 80%R 4/2018
 PTA +.74T +1.26UDC +1.22FLC
 PTA +129FE +2.2FI 6.9%SCE
 *** 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

ROYLANE SOCRA ROBUST-ET 50K GTPI 99%R +2504 G
 USA 64966739 100%RHA-NA TR TP TC TY 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 +6.0PL 2.95SCS +1.3DPR 4.0%DCE
 PTA +.67T +1.23UDC +1.56FLC 99%R 4/2018

BOMAZ PLANET 4906 50K GTPI 85%R +2114 G
 USA 68886672 99%RHA-I TR TP TC TY TV TL TD
 5-06 90 EEVVE 01/20/2010

PTA +1561M +14F +49P 87%R 4/2018
 PTA +461NM -.15%F +.01%P 5.8%DCE
 PTA +4.9PL 2.88SCS -2.6DPR 80%R 4/2018
 PTA +1.40T +.81UDC +.81FLC
 *** 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
 *** 6-07 3 232 28080 2.8 775 3.3 919
 LIFE 1754 197760 2.9 5796 3.3 6428

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 +2024 G
 USA 62784081 100%RHA-NA TR TP TC TY
 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

FLEVO GENETICS SNOWMAN-ET +2069 G
 NLD 388965513 100%RHA-NA TV TL
 GM 12/14 01/14/2005
 PTA +1834M +45F +53P 99%R 4/2018
 PTA +377NM -.08%F -.01%P 12%US
 PTA +1.24T +.62UDC +1.15FLC 99%R 4/2018

AMMON-PEACHEY SHAUNA-ET +2131 G
 USA 66228178 100%RHA-NA TR TP TC TY TV TL TD
 8-07 92 EEEEE GMD DOM 04/16/2009
 PTA +1700M +53F +50P 95%R 4/2018
 PTA +1.75T +1.05UDC +.11FLC 94%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-01 3 365 35120 97 4.1 1427 3.1 1079 96
 *** 6-03 3 305 33860 97 3.6 1228 3.0 1027 72
 365 40290 97 3.7 1479 3.1 1233 72
 *** 8-00 3 305 32300 95 4.0 1301 3.2 1034 86
 LIFE 1256 130040 4.1 5301 3.1 4091

VELVET-VIEW-KJ SOCRATES-ET +1832 G
 USA 133126053 100%RHA-NA TR TP TC TY TV TL TD
 5-07 94 EEEEE GM 8/09 07/16/2002
 PTA +694M +36F +6P 99%R 4/2018
 PTA +329NM +.04%F -.05%P 76%US
 PTA -.29T -.58UDC -.18FLC 99%R 4/2018

SEAGULL-BAY OMAN MIRROR-ET 50K GTPI 95%R +2327 G
 USA 62115945 100%RHA-NA TR TP TC TY TV TL TD
 3-09 86 +VVVV DOM 11/12/2004
 PTA +447M +58F +44P 96%R 4/2018
 PTA +.70T +.77UDC +1.29FLC 96%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 1-11 2 305 26850 96 4.2 1120 3.3 884 96
 340 29320 96 4.2 1230 3.3 971 96
 *** 3-00 2 305 32310 100 4.3 1400 3.4 1087 100X
 365 36430 100 4.4 1606 3.4 1235 100X

ENSENADA TABOO PLANET-ET +2052 G
 USA 60597003 100%RHA-NA TR TP TY TV TL TD
 14-03 92 EEEV 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

BOMAZ RAMOS 4286-ET 50K GTPI 82%R +1846 G
 USA 64710457 99%RHA-I TR TP TC TY TV TL TD
 6-05 91 EEVVE 2E 02/21/2008
 PTA +455M +0F +18P 85%R 4/2018
 PTA +.53T +.27UDC +1.36FLC 79%R 4/2018
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 1-10 3 305 25770 97 3.1 806 3.1 791 97
 342 28840 97 3.2 909 3.1 893 97
 *** 2-11 3 305 27980 97 3.1 881 3.1 862 97
 365 32230 97 3.2 1044 3.1 1000 97
 *** 4-01 3 305 35160 97 3.3 1162 3.1 1090 97
 365 41170 97 3.4 1409 3.1 1290 97
 LIFE 1533 150460 3.2 4874 3.1 4709

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 TR TP TC TY TV TL TD
 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

BROEKS MBM ELSA-ET +1589 G
 NLD 381135900 100%RHA-NA TR TP TC TY TV TL TD
 02/22/2003

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

PINE-TREE MARTHA SHEEN-ET +1936 G
 USA 62443682 100%RHA-NA TR TP TC TY TV TL TD
 3-04 86 VV+V DOM 01/01/2006
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 1-11 3 365 31210 95 4.2 1305 3.1 968 92

FUSTEAD EMORY BLITZ-ET +1460 G
 USA 17013604 100%RHA-NA TR TP TC TY TV TL TD
 12-06 95 EEEE GM 2/05 03/02/1996

SHER-EST PRELUDE SWEET-ET +1522 G
 USA 15421158 100%RHA-NA TR TP TC TY TV TL TD
 5-08 92 EEEEE GMD DOM 03/01/1994
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 LIFE 1858 134240 4.5 6099 3.2 4337

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
 PTA +196M +38F +27P 99%R 4/2018
 PTA -1.24T -1.45UDC -.06FLC 99%R 4/2018

SEAGULL-BAY MANAT MIRAGE-ET +1956 G
 USA 60401993 100%RHA-NA TR TP TC TY TV TL TD
 4-01 90 VEVVE GMD DOM 09/01/2001
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 3-06 3 365 35900 97 3.8 1364 3.2 1161 88

ROSE-BAUM TABOO-ET +1482 G
 USA 17121203 100%RHA-NA TR TP TC TY TV TL TD
 7-01 87 EVV+ GM 8/05 07/16/1996

PLUSHANSKI AMEL PATTY-ET +1788 G
 USA 130161039 100%RHA-NA TR TP TC TY TV TL TD
 9-05 93 EEEEE 3E GMD DOM 11/20/1998

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

BOMAZ LOOKOUT 3271-ET +1791 G
 USA 61980264 100%RHA-NA CV
 2-09 86 +V+V GM 09/28/2004
 *** AGE X DAYS MILK DCRM % FAT % PRT DCRC
 2-01 3 305 33870 97 3.7 1262 3.0 1007 97
 365 39560 97 3.7 1482 3.0 1191 97

Protein reported is true protein.

005390718 43321011 6/14/2018