

# HOLSTEIN ASSOCIATION

## HIGH RANKING SIRE REPORT - DECEMBER 2013 - Page 1

**Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status**

| Name                        |        | % RHA  | NAAB #     | SIRE/MGS                 | PROTEIN |     |      | FAT |      | PTAM | %R | SCS  | PL  | PTAT | %R | UDC  | FLC   | TPI   |
|-----------------------------|--------|--------|------------|--------------------------|---------|-----|------|-----|------|------|----|------|-----|------|----|------|-------|-------|
|                             |        |        |            |                          | EFI     | PTA | %    | PTA | %    |      |    |      |     |      |    |      |       |       |
| COYNE-FARMS DORCY-ET        | BY TV  | 100-NA | 29HO14142  | BOLTON x BRET            | 5.6     | 46  | -.01 | 46  | -.04 | 1603 | 98 | 2.70 | 4.9 | 3.00 | 98 | 3.22 | 3.07  | 2267G |
| DE-SU 521 BOOKEM-ET         | TR TV  | 99-I   | 7HO10721   | PLANET x RAMOS           | 5.9     | 54  | .04  | 44  | -.03 | 1452 | 98 | 2.79 | 6.0 | 2.79 | 95 | 2.27 | 1.72  | 2257G |
| CO-OP BOSSIDE MASSEY-ET     | TV TL  | 100-NA | 1HO09527   | MASCOL x BRET            | 6.3     | 57  | .07  | 67  | .08  | 1253 | 99 | 2.52 | 3.5 | 1.90 | 96 | 2.22 | 1.46  | 2253G |
| BADGER-BLUFF FANNY FREDDIE  | TV TL  | 99-NA  | 1HO08784   | O MAN x DIE-HARD         | 6.5     | 40  | .01  | 53  | .03  | 1252 | 99 | 2.79 | 6.5 | 1.53 | 99 | 1.66 | 2.69  | 2249G |
| ROYLANE SOCRA ROBUST-ET     | TR TV  | 100-NA | 7HO10524   | SOCRATES x O MAN         | 6.3     | 53  | .04  | 87  | .12  | 1464 | 97 | 2.95 | 5.5 | 1.95 | 93 | 1.59 | 2.00  | 2248G |
| LOTTA-HILL SHOTTLE 41-ET    | TR TV  | 100-NA | 1HO09192   | SHOTTLE x BW MARSHALL    | 7.1     | 39  | -.06 | 59  | -.03 | 1875 | 99 | 2.65 | 4.5 | 2.38 | 97 | 2.95 | 1.87  | 2228G |
| SULLY ALTAMETEOR-ET         | TV TL  | 100-NA | 11HO10661  | PLANET x SHOTTLE         | 6.8     | 46  | -.01 | 44  | -.06 | 1624 | 98 | 2.87 | 5.1 | 3.02 | 95 | 3.00 | 1.58  | 2228G |
| LADYS-MANOR PL SHAMROCK-ET  | TR TV  | 100-NA | 7HO10849   | PLANET x SHOTTLE         | 6.4     | 40  | -.04 | 59  | .00  | 1649 | 94 | 2.79 | 6.8 | 2.79 | 86 | 2.25 | 1.18  | 2227G |
| DE-SU GULF-ET               | TR BY  | 100-NA | 7HO10228   | BOLTON x SHOTTLE         | 6.6     | 37  | -.01 | 69  | .09  | 1283 | 94 | 2.59 | 3.2 | 2.84 | 93 | 3.62 | 1.84  | 2214G |
| REGANCREST ALTAIOTA-ET      | TV TL  | 100-NA | 11HO09647  | O MAN x ITO              | 6.9     | 53  | .07  | 80  | .14  | 1136 | 99 | 2.93 | 2.1 | 2.23 | 98 | 1.80 | 1.71  | 2214G |
| LONG-LANGS OMAN OMAN 2-ETN  | TV TL  | 100-NA | 14HO06429  | O MAN x ALTAAARON        | 6.5     | 63  | .11  | 69  | .10  | 1106 | 99 | 2.86 | 2.2 | 2.09 | 99 | 1.76 | 1.72  | 2189G |
| DE-SU OBSERVER-ET           | TR TV  | 100-NA | 7HO10606   | PLANET x O MAN           | 6.6     | 43  | .00  | 49  | -.01 | 1416 | 99 | 2.84 | 5.9 | 2.64 | 98 | 2.98 | 0.30  | 2186G |
| DE-SU O-STYLE OMAN JUST-ET  | TR TV  | 100-NA | 1HO09167   | O MAN x TEAMSTER         | 6.7     | 51  | -.04 | 41  | -.12 | 2038 | 99 | 2.72 | 5.7 | 1.44 | 95 | 1.16 | 1.98  | 2179G |
| CEDAR-HAVEN-NR KID-ET       | TR TV  | 100-NA | 7HO10679   | PLANET x SHOTTLE         | 6.7     | 53  | .02  | 48  | -.03 | 1559 | 94 | 2.61 | 6.2 | 1.88 | 90 | 1.94 | 0.92  | 2170G |
| MAINSTREAM MANIFOLD         | TV TY  | 100-NA | 200HO00402 | O MAN x BW MARSHALL      | 7.0     | 62  | .04  | 88  | .09  | 1744 | 99 | 2.94 | 3.8 | 1.16 | 97 | 1.00 | 0.19  | 2162G |
| B-HIDDENHILLS PLAN 1023-ET  | TR TV  | 100-NA | 7HO10690   | PLANET x O MAN           | 6.5     | 45  | .04  | 29  | -.04 | 1146 | 93 | 2.82 | 7.0 | 1.90 | 87 | 2.14 | 1.08  | 2158G |
| KINGS-RANSOM ERDMAN CRI-ET  | TV TL  | 99-I   | 1HO09800   | PLANET x RAMOS           | 5.6     | 39  | .02  | 71  | .11  | 1156 | 95 | 2.76 | 7.7 | 0.93 | 87 | 1.35 | -0.11 | 2157G |
| SILDAHL JETT AIR-ET         | B/R TY | 100-NA | 200HO00528 | ALTABAXTER x BW MARSHALL | 6.8     | 15  | -.07 | 60  | .07  | 1153 | 96 | 2.65 | 5.5 | 2.78 | 95 | 2.25 | 3.04  | 2151G |
| VATLAND MAUSER-ET           | TR TV  | 100-NA | 7HO10700   | PLANET x O MAN           | 6.6     | 51  | .03  | 78  | .09  | 1465 | 94 | 2.85 | 5.1 | 1.56 | 89 | 1.16 | 0.62  | 2146G |
| FUSTEAD JETSTREAM SOTO-ET   | TV TL  | 98-I   | 29HO14627  | JET STREAM x SHOTTLE     | 6.4     | 52  | .01  | 63  | .02  | 1582 | 96 | 2.95 | 3.1 | 1.85 | 91 | 2.01 | 1.11  | 2141G |
| END-ROAD O-MAN BRONCO-ET    | TR TV  | 100-NA | 7HO08747   | O MAN x BW MARSHALL      | 7.0     | 67  | .03  | 55  | -.06 | 1985 | 99 | 2.94 | 1.9 | 2.07 | 98 | 1.73 | 2.11  | 2140G |
| DE-SU 527 SPUR-ET           | TR TV  | 100-NA | 7HO10723   | PLANET x SHOTTLE         | 6.8     | 44  | -.04 | 36  | -.12 | 1857 | 91 | 2.84 | 4.7 | 2.71 | 87 | 2.81 | 2.14  | 2139G |
| DE-SU GILLESPIE-ET          | BY TV  | 100-NA | 29HO14062  | BOLTON x SHOTTLE         | 6.5     | 55  | -.04 | 66  | -.05 | 2166 | 94 | 2.63 | 2.7 | 2.91 | 92 | 2.32 | 2.50  | 2139G |
| LARCREST CANCUN-ET          | TV TL  | 100-NA | 29HO14615  | PLANET x SHOTTLE         | 6.6     | 51  | .02  | 62  | .02  | 1517 | 95 | 2.87 | 3.5 | 2.74 | 91 | 2.23 | 1.15  | 2138G |
| MORNINGVIEW ALTALEON-ET     | TL     | 100-NA | 11HO10361  | ALTABAXTER x SHOTTLE     | 7.0     | 44  | -.09 | 82  | .00  | 2269 | 93 | 2.81 | 4.6 | 1.84 | 89 | 1.65 | 2.10  | 2135G |
| CHARLESDALE SUPERSTITION-ET | TR TV  | 100-NA | 1HO08778   | BOLIVER x O MAN          | 6.2     | 43  | -.01 | 5   | -.17 | 1484 | 99 | 2.65 | 7.4 | 2.01 | 99 | 1.95 | 1.07  | 2133G |
| REGANCREST-PJ TABBER-ET     | TV TL  | 100-NA | 29HO14258  | O MAN x BOLIVER          | 6.6     | 47  | .06  | 46  | .04  | 1007 | 94 | 2.81 | 3.8 | 1.93 | 92 | 1.78 | 2.31  | 2129G |
| COYNE-FARMS SHOTLE YANCE-ET | TR TV  | 100-NA | 7HO09925   | SHOTTLE x MANFRED        | 6.9     | 54  | -.01 | 78  | .04  | 1863 | 93 | 3.13 | 2.5 | 1.79 | 92 | 2.11 | 1.08  | 2127G |
| DE-SU WATSON                | TR TV  | 100-NA | 7HO10356   | BOLIVER x SHOTTLE        | 6.5     | 40  | .08  | 64  | .15  | 637  | 93 | 2.58 | 4.2 | 2.14 | 92 | 1.70 | 1.42  | 2127G |
| UFM-DUBS SHERAC-ET          | TV TL  | 100-NA | 29HO14733  | ACTIVE x SHOTTLE         | 6.2     | 38  | .06  | 45  | .07  | 757  | 93 | 2.84 | 3.2 | 2.38 | 86 | 1.93 | 2.03  | 2125G |
| MS POSIBILITY PERFORMER-ET  |        | 100-NA | 536HO00355 | GOLDWYN x TITANIC        | 6.2     | 22  | .03  | 40  | .09  | 408  | 93 | 2.53 | 3.4 | 2.60 | 85 | 2.24 | 2.55  | 2120G |
| SPRINGWAY BLVR CHASE-ET     | TV TL  | 100-NA | 29HO14344  | BOLIVER x O MAN          | 6.0     | 50  | .00  | 61  | .00  | 1643 | 97 | 2.67 | 2.0 | 2.14 | 93 | 2.29 | 1.35  | 2119G |
| PINE-TREE OMAN ABC-ET       | TV TL  | 100-NA | 29HO14427  | O MAN x BOLIVER          | 6.5     | 43  | .06  | 71  | .16  | 845  | 94 | 2.61 | 5.1 | 0.88 | 92 | 1.00 | 1.34  | 2117G |
| SCHILLVIEW GARRETT-ET       | TV TL  | 100-NA | 29HO13083  | O MAN x MTOTO            | 7.1     | 43  | .00  | 47  | -.02 | 1398 | 99 | 2.69 | 4.1 | 1.57 | 99 | 0.83 | 2.31  | 2117G |
| MEL-CREST ALTARAZOR         | B/R TV | 100-NA | 11HO10392  | ALTABAXTER x GOLDWYN     | 6.7     | 30  | .01  | 90  | .21  | 897  | 98 | 2.62 | 3.3 | 2.49 | 94 | 2.09 | 2.00  | 2116G |
| COYNE-FARMS BOLTON DOM-ET   | BY TV  | 100-NA | 14HO05936  | BOLTON x BRET            | 5.6     | 47  | .01  | 78  | .09  | 1505 | 96 | 3.06 | 1.1 | 2.73 | 94 | 2.45 | 2.88  | 2114G |
| MR BOLIVER ENID-ET          | TR TV  | 100-NA | 7HO10412   | BOLIVER x O MAN          | 6.1     | 34  | .07  | 72  | .20  | 510  | 93 | 2.70 | 2.7 | 2.50 | 90 | 2.24 | 1.96  | 2109G |
| ENSENADA TABOO PLANET-ET    | TR TV  | 100-NA | 7HO08081   | TABOO x AMEL             | 6.3     | 64  | .00  | 64  | -.05 | 2179 | 99 | 2.98 | 6.2 | 1.76 | 99 | 1.26 | -0.54 | 2107G |
| MONUMENT IMPRESSION-ET      | TY     | 100-NA | 200HO00560 | SOCRATES x POTTER        | 6.4     | 26  | -.01 | 43  | .03  | 955  | 96 | 2.67 | 4.2 | 3.13 | 95 | 2.75 | 1.75  | 2107G |
| FOX BERRY BAX MCNUGGETS-ET  | TR TV  | 100-NA | 7HO10297   | ALTABAXTER x OUTSIDE     | 6.4     | 15  | -.06 | 70  | .12  | 1052 | 97 | 2.51 | 6.2 | 1.85 | 93 | 1.89 | 2.04  | 2106G |

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| Name                        |       | % RHA  | NAAB #     | SIRE/MGS                 | PROTEIN |     |      | FAT |      | PTAM | %R | SCS  | PL  | PTAT | %R | UDC  | FLC   | TPI   |
|-----------------------------|-------|--------|------------|--------------------------|---------|-----|------|-----|------|------|----|------|-----|------|----|------|-------|-------|
|                             |       |        |            |                          | EFI     | PTA | %    | PTA | %    |      |    |      |     |      |    |      |       |       |
| FARNEAR P HEAVEN HANDY-ET   | TV TL | 99-I   | 29HO14698  | PLANET x RAMOS           | 6.3     | 38  | -.02 | 34  | -.06 | 1419 | 93 | 2.59 | 6.9 | 2.28 | 88 | 1.80 | 0.30  | 2102G |
| ROYLANE SHOT GUN 2092-ET    |       | 100-NA | 7HO10804   | SHOTTLE x O MAN          | 6.8     | 41  | .06  | 43  | .05  | 826  | 90 | 2.78 | 4.3 | 1.98 | 86 | 2.06 | 1.56  | 2102G |
| WELCOME GENOMICS-ET         | TV TL | 99-I   | 29HO14422  | ALTABAXTER x ALTON       | 6.2     | 54  | -.02 | 100 | .10  | 1992 | 94 | 2.91 | 2.9 | 1.70 | 90 | 1.34 | 1.34  | 2102G |
| DE-SU HISTORY-ET            | BY TV | 97-I   | 29HO14450  | JARDIN x SHOTTLE         | 6.0     | 56  | .05  | 80  | .10  | 1471 | 94 | 2.81 | 1.5 | 2.30 | 91 | 1.85 | 1.93  | 2099G |
| MOUNTFIELD ALTAEXACTER      | TV TL | 100-NA | 11HO10469  | ALTABAXTER x SHOTTLE     | 6.7     | 35  | .00  | 40  | -.01 | 1131 | 97 | 2.63 | 3.6 | 2.85 | 95 | 2.36 | 2.51  | 2099G |
| BAKOMBRE-ET                 | TV TL | 100-NA | 202HO00742 | ALTABAXTER x GOLDWYN     | 6.8     | 44  | .05  | 83  | .17  | 1033 | 87 | 2.99 | 3.0 | 2.23 | 86 | 1.60 | 2.38  | 2098G |
| HARTLINE PLANT JARVIS-ET    | TR TV | 99-I   | 7HO10707   | PLANET x DUCE            | 6.0     | 65  | .03  | 90  | .07  | 1937 | 93 | 2.86 | 5.4 | 0.84 | 89 | 0.42 | -0.64 | 2098G |
| DE-SU 538 HOORAY-ET         | TY    | 100-NA | 7HO10725   | PLANET x SHOTTLE         | 6.8     | 52  | .02  | 65  | .03  | 1553 | 91 | 2.94 | 3.6 | 2.23 | 88 | 1.97 | 1.52  | 2096G |
| GARLOMAR PLANET THORNE-ET   | TR TV | 100-NA | 7HO10543   | PLANET x BRITT           | 6.2     | 47  | .05  | 69  | .10  | 1157 | 94 | 2.95 | 5.1 | 1.49 | 92 | 1.15 | 0.87  | 2094G |
| LAKE-EFFECT ALTACALIBER-ET  | TV TL | 100-NA | 11HO10675  | GOLDWYN x SHOTTLE        | 6.5     | 40  | .03  | 27  | -.05 | 1086 | 97 | 2.79 | 1.3 | 3.48 | 93 | 2.59 | 3.49  | 2094G |
| PINE-TREE STOWE-ET          | TV TL | 100-NA | 29HO14511  | O MAN x BOLIVER          | 6.6     | 38  | .03  | 80  | .15  | 1057 | 93 | 2.80 | 5.0 | 0.81 | 90 | 0.72 | 0.47  | 2094G |
| CROCKETT-ACRES BOL BEVIN-ET | BY    | 100-NA | 54HO00458  | BOLTON x SHOTTLE         | 6.6     | 49  | .01  | 71  | .05  | 1553 | 90 | 2.89 | 2.7 | 2.32 | 86 | 2.36 | 1.15  | 2092G |
| CO-OP JET STREAM ARMY-ET    | TV TL | 98-I   | 1HO09659   | JET STREAM x BW MARSHALL | 5.8     | 33  | .10  | 46  | .14  | 250  | 99 | 2.98 | 3.1 | 2.06 | 92 | 1.99 | 2.09  | 2091G |
| ENSENADA JEEVES PAUL-ET     | TR TV | 100-NA | 7HO10582   | JEEVES x SHOTTLE         | 6.5     | 23  | .05  | 19  | .03  | 333  | 96 | 2.60 | 7.1 | 1.69 | 94 | 1.58 | 1.87  | 2090G |
| DE-SU GWEEDO-ET             | BY TV | 100-NA | 29HO14563  | PLANET x O MAN           | 6.6     | 58  | .03  | 53  | -.03 | 1656 | 94 | 2.65 | 5.5 | 1.28 | 92 | 1.09 | -0.22 | 2089G |
| MACOMBER O-MAN BOGART       | TR TV | 100-NA | 7HO08559   | O MAN x LOUIE            | 6.4     | 33  | .08  | 64  | .19  | 411  | 99 | 2.72 | 2.9 | 1.48 | 98 | 1.04 | 2.21  | 2088G |
| WILLOW-MARSH-CC GABOR-ET    | TR TV | 100-NA | 7HO08477   | ALTAFINLEY x CONVINCER   | 6.3     | 44  | -.09 | 25  | -.22 | 2348 | 99 | 2.69 | 5.0 | 2.50 | 99 | 1.93 | 1.20  | 2086G |
| DE-SU ORVILLE-ET            | TV TL | 100-NA | 29HO14311  | BOLIVER x O MAN          | 6.4     | 41  | .06  | 42  | .05  | 806  | 94 | 2.54 | 5.4 | 0.88 | 90 | 1.36 | 1.45  | 2084G |
| MORNINGVIEW LEVI            | TV TL | 100-NA | 29HO13664  | BUCKEYE x O MAN          | 7.0     | 49  | .10  | 64  | .14  | 739  | 95 | 2.70 | 3.4 | 1.29 | 93 | 0.46 | 1.93  | 2082G |
| WELCOME BOL LATHAM-ET       | TV TL | 100-NA | 1HO02655   | BOLIVER x O MAN          | 5.9     | 58  | .07  | 63  | .05  | 1311 | 97 | 2.92 | 2.7 | 2.01 | 89 | 1.47 | 2.43  | 2082G |
| RALMA PLANET TEMPO          | TR TV | 100-NA | 7HO10624   | PLANET x SHOTTLE         | 6.7     | 41  | -.02 | 51  | -.01 | 1528 | 95 | 2.57 | 5.6 | 2.10 | 92 | 2.05 | 0.95  | 2077G |
| BOMAZ ALTASOLAR-ET          | TV TL | 100-NA | 11HO10844  | PLANET x SHOTTLE         | 6.6     | 57  | -.01 | 58  | -.05 | 1944 | 93 | 3.06 | 4.5 | 1.57 | 88 | 0.83 | 0.68  | 2076G |
| FUSTEAD JETSTREAM SETH-ET   | TV TL | 98-I   | 29HO14626  | JET STREAM x SHOTTLE     | 6.4     | 36  | -.02 | 56  | .03  | 1311 | 92 | 2.93 | 4.6 | 1.79 | 88 | 1.58 | 0.51  | 2075G |
| BOMAZ ALTAMARAUDER-ET       | TV TL | 99-I   | 11HO10519  | MAC x LAUDAN             | 6.2     | 16  | .05  | 32  | .11  | 107  | 97 | 2.72 | 5.1 | 2.16 | 95 | 2.51 | 1.90  | 2074G |
| DE-SU 546 DEATON-ET         | TY    | 100-NA | 7HO10729   | PLANET x SHOTTLE         | 6.8     | 65  | .02  | 54  | -.06 | 1942 | 92 | 2.73 | 3.7 | 1.92 | 87 | 1.33 | -0.08 | 2073G |
| FUSTEAD ALTASTONE-ET        | TV TL | 100-NA | 11HO10865  | PLANET x ELEGANT         | 6.6     | 71  | -.01 | 47  | -.15 | 2432 | 94 | 3.04 | 3.7 | 1.91 | 90 | 0.63 | 1.08  | 2073G |
| DE-SU ALTAGOALMAN-ET        | BY TV | 100-NA | 11HO10365  | BOLTON x O MAN           | 6.4     | 61  | -.01 | 83  | .02  | 2145 | 92 | 2.82 | 3.1 | 1.31 | 90 | 0.84 | 1.12  | 2072G |
| ZANI BOLTON MASCALESE-ET    | TV TL | 99-I   | 199HO00178 | BOLTON x O MAN           | 6.3     | 53  | .02  | 59  | .01  | 1562 | 89 | 2.75 | -.3 | 2.76 | 85 | 2.33 | 2.13  | 2072G |
| DE-SU GAVIN-ET              | BY TV | 100-NA | 29HO14080  | BOLTON x SHOTTLE         | 6.5     | 24  | -.02 | 73  | .14  | 950  | 94 | 2.72 | 3.9 | 2.29 | 92 | 2.16 | 1.63  | 2070G |
| LARCREST CALIBRATE-ETS      | TR TV | 99-I   | 7HO10818   | PLANET x RAMOS           | 6.2     | 40  | .05  | 69  | .13  | 948  | 90 | 2.86 | 4.3 | 2.52 | 85 | 2.03 | 1.45  | 2070G |
| DE-SU OSMOND-ET             | TR BY | 100-NA | 7HO10604   | PLANET x O MAN           | 6.6     | 29  | .01  | 35  | .01  | 930  | 98 | 2.45 | 6.2 | 2.05 | 95 | 2.50 | 0.95  | 2069G |
| WINNING-WAY CANADA-ET       | TV TL | 100-NA | 29HO14488  | ALTABAXTER x SHOTTLE     | 6.8     | 34  | .01  | 27  | -.05 | 1104 | 93 | 2.73 | 3.4 | 2.74 | 91 | 2.46 | 2.40  | 2069G |
| BRIGREEN RUSSELL            | TR TV | 100-NA | 7HO10072   | MAC x SHOTTLE            | 6.9     | 13  | .07  | 80  | .32  | -138 | 99 | 2.74 | 4.1 | 1.24 | 97 | 1.47 | 0.95  | 2067G |
| COYNE-FARMS PLANET DOLCE-ET | TR TV | 100-NA | 7HO10575   | PLANET x BRET            | 5.8     | 33  | -.02 | 29  | -.06 | 1222 | 95 | 2.77 | 5.7 | 2.28 | 93 | 2.22 | 1.65  | 2067G |
| HAMMER-CREEK O MAN KODY     | TV TL | 100-NA | 14HO06263  | O MAN x GOLDWYN          | 7.0     | 48  | .05  | 38  | -.01 | 1139 | 91 | 2.80 | 4.0 | 1.53 | 89 | 1.70 | 0.41  | 2067G |
| KINGS-RANSOM B RUBLE        | TV TL | 100-NA | 29HO13991  | BOLTON x BOLIVER         | 5.6     | 72  | -.01 | 73  | -.07 | 2534 | 94 | 2.95 | .7  | 1.84 | 91 | 2.08 | 1.48  | 2067G |
| END-ROAD BEACON-ET          | TV TL | 100-NA | 29HO13366  | SHOTTLE x BW MARSHALL    | 7.1     | 51  | -.01 | 57  | -.03 | 1786 | 99 | 2.86 | 2.0 | 2.11 | 98 | 1.33 | 1.55  | 2066G |
| AMMON-PEACHEY ALTACELEB-ET  | TV TL | 100-NA | 11HO10802  | PLANET x SHOTTLE         | 6.7     | 46  | -.01 | 67  | .02  | 1643 | 94 | 2.87 | 2.7 | 2.46 | 89 | 1.87 | 0.91  | 2065G |
| SILDAHL MR MUDD-ET          | TR TV | 100-NA | 7HO10375   | BOLIVER x O MAN          | 6.3     | 41  | .04  | 58  | .09  | 960  | 96 | 2.78 | 3.2 | 1.59 | 93 | 1.70 | 1.42  | 2065G |
| RI-VAL-RE 2338 NIAGRA-ET    | TR TV | 100-NA | 7HO08856   | BOLIVER x JESTHER        | 5.7     | 63  | .02  | 50  | -.07 | 1881 | 99 | 2.81 | 1.7 | 2.12 | 99 | 2.22 | 0.42  | 2064G |

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| Name                        |       | % RHA  | NAAB #     | SIRE/MGS             | PROTEIN |     |      | FAT |      | PTAM | %R | SCS  | PL  | PTAT  | %R | UDC   | FLC   | TPI   |
|-----------------------------|-------|--------|------------|----------------------|---------|-----|------|-----|------|------|----|------|-----|-------|----|-------|-------|-------|
|                             |       |        |            |                      | EFI     | PTA | %    | PTA | %    |      |    |      |     |       |    |       |       |       |
| SCHILLVIEW OMAN GERARD-ET   | TV TL | 100-NA | 29HO13162  | O MAN x BW MARSHALL  | 6.6     | 61  | .05  | 42  | -.05 | 1534 | 99 | 3.15 | 1.1 | 2.42  | 98 | 2.59  | 1.58  | 2064G |
| BEERY-VAL BOLTON ABRAM      | TR TV | 100-NA | 7HO09900   | BOLTON x O MAN       | 6.2     | 41  | .03  | 70  | .10  | 1156 | 93 | 2.76 | 4.0 | 1.73  | 91 | 1.51  | 1.05  | 2063G |
| PINE-TREE BRET MINOS-ET     | TR CV | 100-NA | 7HO10599   | BRET x O MAN         | 6.1     | 31  | .06  | 40  | .08  | 530  | 91 | 2.48 | 4.3 | 1.41  | 85 | 1.91  | 1.08  | 2063G |
| BERTAIOLA MINCIO-ET         | TY    | 99-I   | 210HO00183 | BOLTON x BOSS IRON   | 5.8     | 33  | .01  | 53  | .07  | 952  | 89 | 3.02 | 2.4 | 2.97  | 85 | 3.47  | 2.73  | 2062G |
| BRANDT-VIEW EZRA-ET         | TV TL | 98-I   | 29HO14552  | STOL JOC x POTTER    | 6.1     | 42  | .02  | 44  | -.02 | 1291 | 95 | 2.84 | 4.7 | 1.65  | 92 | 1.86  | 1.85  | 2062G |
| APPEALING PLANET HELIX-ET   | TR TV | 100-NA | 7HO10585   | PLANET x SHOTTLE     | 6.5     | 56  | -.01 | 50  | -.09 | 2003 | 92 | 2.87 | 5.0 | 1.65  | 89 | 1.32  | 0.75  | 2061G |
| SANDY-VALLEY ALTAMARS-ET    | TV TL | 100-NA | 11HO10653  | PLANET x O MAN       | 6.7     | 62  | .06  | 61  | .02  | 1516 | 97 | 3.00 | 3.3 | 1.45  | 91 | 0.46  | 1.06  | 2061G |
| CLEAR-ECHO NIFTY TWIST-ET   | TV TL | 100-NA | 29HO14335  | NIFTY x SHOTTLE      | 5.5     | 44  | .05  | 52  | .05  | 1011 | 97 | 2.55 | 6.7 | -0.38 | 92 | -0.27 | 1.17  | 2060G |
| CLEAR-ECHO ALTARAMOB-ET     | TY    | 99-I   | 11HO10377  | ALTABAXTER x RAMOS   | 6.1     | 33  | -.01 | 19  | -.09 | 1208 | 91 | 2.90 | 5.1 | 2.73  | 89 | 2.42  | 2.37  | 2058G |
| SEAGULL-BAY MANO-ET         | TR TV | 100-NA | 7HO08699   | O MAN x MANAT        | 6.0     | 44  | .03  | 61  | .06  | 1193 | 94 | 2.93 | 4.8 | 0.48  | 88 | 0.34  | 1.82  | 2058G |
| COPPERTOP DOBERMAN-ET       | TV TL | 100-NA | 29HO13363  | SHOTTLE x GRANGER    | 6.5     | 39  | .09  | 63  | .16  | 533  | 97 | 2.65 | 2.2 | 2.00  | 93 | 1.91  | 1.46  | 2057G |
| GLEN-TOCTIN LISTEN-ET       | TR TV | 100-NA | 7HO10595   | PLANET x O MAN       | 6.4     | 75  | .06  | 55  | -.05 | 1925 | 92 | 3.15 | 2.5 | 1.68  | 90 | 1.14  | 1.38  | 2057G |
| KOEBELE P-S SANTA-FE-ET     | BY TV | 100-NA | 29HO13548  | SHOTTLE x DETROIT    | 6.7     | 28  | .06  | 68  | .21  | 354  | 95 | 2.74 | 4.0 | 1.73  | 92 | 1.69  | 1.14  | 2054G |
| END-ROAD JET MACHINE-ET     | TV TL | 98-I   | 29HO14196  | JET STREAM x SHOTTLE | 6.1     | 50  | .05  | 72  | .10  | 1199 | 93 | 3.03 | 1.9 | 1.60  | 91 | 1.13  | 2.69  | 2053G |
| BERRYRIDGE JEEVES JIVES-ET  | TV TL | 100-NA | 29HO14768  | JEEVES x SHOTTLE     | 6.5     | 36  | .02  | 34  | -.02 | 1070 | 93 | 2.62 | 5.6 | 1.44  | 86 | 1.09  | 1.70  | 2051G |
| PINE-TREE JEEVES GALLON-ET  | TV TL | 100-NA | 29HO14684  | JEEVES x GOLDWYN     | 6.4     | 35  | -.01 | 43  | -.01 | 1277 | 95 | 2.74 | 5.3 | 1.12  | 90 | 1.08  | 0.21  | 2051G |
| WA-DEL SUREFIRE-ET          | TV TL | 99-I   | 1HO02682   | RAMOS x O MAN        | 6.1     | 47  | .04  | 25  | -.08 | 1248 | 97 | 2.71 | 3.2 | 1.76  | 90 | 1.40  | 2.58  | 2051G |
| CLAYTON-CREST ACE-ET        | TY    | 100-NA | 200HO09901 | SHOTTLE x GOLDWYN    | 7.1     | 20  | -.01 | 34  | .03  | 689  | 92 | 2.57 | 3.7 | 3.27  | 86 | 2.80  | 2.22  | 2050G |
| KINGS-RANSOM T DOMINGO-ET   | TR TV | 100-NA | 7HO08361   | TEAMSTER x MTOTO     | 6.1     | 37  | -.01 | 61  | .04  | 1336 | 99 | 2.70 | 4.4 | 1.72  | 97 | 1.28  | 0.43  | 2049G |
| MR BC DANA PRONTO DWAYNE-ET | TR TV | 100-NA | 7HO10643   | PRONTO x MATCHES     | 5.6     | 28  | .03  | 48  | .10  | 648  | 91 | 2.97 | 4.8 | 2.18  | 89 | 1.89  | 1.48  | 2049G |
| WILRA BOLIVER SEQUOIA-ET    | TV TL | 99-I   | 1HO02611   | BOLIVER x RAMOS      | 5.5     | 48  | .06  | 40  | .01  | 1034 | 99 | 2.64 | 3.0 | 1.24  | 92 | 1.61  | 0.78  | 2049G |
| LARCREST CRUSH-ET           | TV TL | 99-I   | 29HO14606  | SANDY x SHOTTLE      | 6.6     | 10  | .00  | 68  | .22  | 308  | 93 | 2.78 | 4.4 | 2.00  | 87 | 1.78  | 1.93  | 2048G |
| VA-EARLY-DAWN SUDAN CRI-ET  | TV TL | 100-NA | 1HO09321   | JAMMER x SAILOR      | 5.2     | 48  | .05  | 80  | .14  | 1143 | 92 | 2.85 | 2.3 | 1.80  | 90 | 1.18  | 2.58  | 2048G |
| SCHILLVIEW GUNGHOE-ET       | TY TD | 100-NA | 200HO06162 | PLANET x SHOTTLE     | 6.4     | 57  | -.01 | 50  | -.07 | 1938 | 93 | 2.75 | 4.7 | 1.40  | 89 | 0.93  | 0.28  | 2047G |
| CABERNET BOLTON SUNTAN-ET   | BY    | 100-NA | 506HO00223 | BOLTON x LOUIE       | 5.9     | 55  | -.02 | 59  | -.05 | 2029 | 94 | 2.87 | -.8 | 3.46  | 88 | 2.75  | 3.39  | 2046G |
| DE-SU 530 CAVIAR-ET         | TV TL | 100-NA | 7HO10724   | PLANET x SHOTTLE     | 6.8     | 61  | .01  | 62  | -.03 | 1969 | 92 | 2.89 | 4.0 | 1.81  | 89 | 1.53  | -0.29 | 2045G |
| COYNE-FARMS ALTADOM-ET      | TV TL | 100-NA | 11HO10666  | PLANET x BRET        | 5.8     | 46  | -.01 | 23  | -.14 | 1654 | 94 | 2.64 | 6.7 | 1.65  | 91 | 0.87  | 1.17  | 2044G |
| PENN-ENGLAND EATON-ET       | TV TL | 100-NA | 29HO14731  | PLANET x O MAN       | 6.1     | 47  | .00  | 49  | -.03 | 1550 | 91 | 2.73 | 6.0 | 0.71  | 86 | 1.50  | 0.35  | 2044G |
| LARS-ACRES SHOT TRIGGER-ET  | TV TL | 100-NA | 29HO13846  | SHOTTLE x BOLIVER    | 6.7     | 28  | .03  | 28  | .01  | 671  | 99 | 2.65 | 5.4 | 2.00  | 98 | 1.87  | 2.18  | 2043G |
| MR SHOTTLE EDEN-ET          | TV TL | 100-NA | 1HO02729   | SHOTTLE x O MAN      | 7.0     | 33  | .03  | 40  | .04  | 796  | 99 | 2.81 | 2.7 | 2.43  | 93 | 1.82  | 1.74  | 2043G |
| BOMAZ CACTUS-ET             | TV TL | 99-I   | 29HO14470  | BRET x LAUDAN        | 5.5     | 46  | .02  | 33  | -.06 | 1365 | 92 | 2.64 | 4.1 | 1.31  | 91 | 0.94  | 1.58  | 2042G |
| FARNEAR-TBR AYERS-ET        | TV TL | 100-NA | 29HO14660  | PLANET x SHOTTLE     | 6.6     | 36  | .02  | 42  | .02  | 1032 | 92 | 2.85 | 4.3 | 2.48  | 89 | 1.75  | 1.41  | 2042G |
| RONELEE BOLIVER DASHAWN-ET  | TR TV | 100-NA | 7HO10406   | BOLIVER x OUTSIDE    | 5.8     | 34  | .03  | 46  | .05  | 906  | 94 | 2.75 | 3.8 | 2.69  | 92 | 1.89  | 1.66  | 2041G |
| BREMER ALLEGRO MAXUM-ET     | TR TV | 100-NA | 7HO09357   | ALTAALLEGRO x BLITZ  | 5.9     | 36  | -.01 | 51  | .01  | 1340 | 94 | 2.79 | 4.6 | 1.52  | 92 | 1.55  | 0.90  | 2040G |
| FOXBERRY BAX MIZZOU-ET      | TR TV | 100-NA | 7HO10233   | ALTABAXTER x OUTSIDE | 6.4     | 29  | -.03 | 80  | .13  | 1236 | 94 | 3.00 | 3.4 | 2.68  | 92 | 1.93  | 2.03  | 2040G |
| OLMAR JEEVES DARE-ET        | TV TL | 100-NA | 29HO14544  | JEEVES x O MAN       | 6.5     | 16  | .01  | 27  | .03  | 492  | 94 | 2.82 | 6.5 | 1.57  | 90 | 1.18  | 1.86  | 2040G |
| TRAMILDA-N ESCALADE-ET      | TY    | 100-NA | 250HO00933 | ALTABAXTER x SHOTTLE | 7.0     | 11  | -.02 | 47  | .10  | 581  | 90 | 2.64 | 5.1 | 2.68  | 85 | 2.27  | 2.76  | 2040G |
| WABASH-WAY EXPLODE-ET       | TV TL | 100-NA | 76HO00581  | BOLTON x SHOTTLE     | 6.6     | 37  | -.03 | 30  | -.09 | 1513 | 98 | 2.72 | 1.6 | 3.09  | 96 | 2.67  | 2.04  | 2040G |
| FARNEAR HADDY-ET            | TV TL | 99-I   | 29HO14288  | MAC x RAMOS          | 6.7     | 23  | .03  | 28  | .03  | 508  | 94 | 2.68 | 4.6 | 1.74  | 92 | 1.99  | 0.51  | 2039G |
| LINCOLN-HILL SHOT LASER-ET  | TR TV | 100-NA | 7HO09222   | SHOTTLE x ITO        | 6.5     | 31  | -.02 | 67  | .09  | 1194 | 98 | 3.00 | 2.2 | 2.60  | 93 | 1.80  | 1.95  | 2039G |

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# HOLSTEIN ASSOCIATION

## HIGH RANKING SIRE REPORT - DECEMBER 2013 - Page 4

**Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status**

| Name                        |        | % RHA  | NAAB #     | SIRE/MGS                 | PROTEIN |     |      | FAT |      | PTAM | %R | SCS  | PL  | PTAT | %R | UDC   | FLC  | TPI   |
|-----------------------------|--------|--------|------------|--------------------------|---------|-----|------|-----|------|------|----|------|-----|------|----|-------|------|-------|
|                             |        |        |            |                          | EFI     | PTA | %    | PTA | %    |      |    |      |     |      |    |       |      |       |
| WHITMAN O MAN AWESOME ANDY  | TV TL  | 100-NA | 1HO08777   | O MAN x ZADE             | 6.5     | 26  | .08  | 78  | .27  | 210  | 99 | 2.59 | 7.2 | 0.25 | 96 | -0.15 | 1.09 | 2039G |
| RONELEE GOLD DIGGER-ET      | TV TL  | 100-NA | 14HO06132  | GOLDWYN x OUTSIDE        | 6.4     | 18  | .03  | 8   | -.02 | 348  | 98 | 2.56 | 6.0 | 2.00 | 96 | 2.54  | 1.72 | 2038G |
| DE-SU BOWMAN-ET             | TY     | 100-NA | 200HO00546 | ALTABAXTER x O MAN       | 6.8     | 29  | -.01 | 73  | .12  | 1087 | 96 | 2.76 | 2.3 | 2.26 | 94 | 2.80  | 0.80 | 2033G |
| LOT-O-ROK JEEVES DEUCE-ET   | TV TL  | 100-NA | 14HO06301  | JEEVES x GOLDWYN         | 6.5     | 22  | .05  | 40  | .11  | 285  | 92 | 2.76 | 4.9 | 1.49 | 90 | 0.83  | 2.86 | 2033G |
| LARCREST CAMELOT-ETS        | TR TV  | 99-I   | 7HO10819   | PLANET x RAMOS           | 6.2     | 28  | .03  | 49  | .09  | 721  | 93 | 2.70 | 5.4 | 2.45 | 88 | 2.00  | 1.07 | 2031G |
| FOXBERRY JS MCFLY-ET        | TR TV  | 98-I   | 7HO09918   | JET STREAM x OUTSIDE     | 5.7     | 20  | .05  | 48  | .15  | 236  | 96 | 2.83 | 3.4 | 2.39 | 91 | 1.43  | 2.57 | 2030G |
| STRAUSSDALE B SHOT LOBO-ET  | BY TV  | 99-I   | 14HO06393  | SHOTTLE x RAMOS          | 6.6     | 39  | .03  | 55  | .07  | 988  | 91 | 2.69 | 4.4 | 1.61 | 88 | 0.70  | 1.44 | 2030G |
| ZIMMERVIEW BRITT VARSITY-ET | TR TV  | 99-I   | 1HO08927   | BRITT x TUGOLO           | 6.1     | 20  | .02  | 60  | .16  | 482  | 99 | 2.60 | 6.3 | 0.78 | 92 | -0.27 | 1.45 | 2030G |
| BOMAZ ALTAENRICHED          | TY     | 100-NA | 11HO10766  | BOLIVER x O MAN          | 6.1     | 51  | .07  | 71  | .12  | 1063 | 91 | 2.94 | 3.7 | 1.19 | 87 | 1.01  | 0.68 | 2029G |
| BOMAZ SHTL KAMPMAN 691-ET   | TV TL  | 100-NA | 1HO09544   | SHOTTLE x DURHAM         | 7.0     | 19  | .00  | 31  | .03  | 631  | 99 | 2.69 | 3.1 | 3.00 | 96 | 2.69  | 1.93 | 2028G |
| REGANCREST-SRD TROYER-ET    | TV TL  | 98-I   | 29HO14410  | JET STREAM x BOLIVER     | 5.7     | 38  | .04  | 41  | .04  | 874  | 93 | 2.99 | 3.7 | 1.88 | 91 | 1.82  | 1.55 | 2028G |
| SANDY-VALLEY SALVADOR-ET    | TR TV  | 100-NA | 7HO10739   | PLANET x SEPTEMBER STORM | 5.8     | 41  | .02  | 40  | -.01 | 1192 | 92 | 2.83 | 4.4 | 2.04 | 89 | 1.79  | 0.93 | 2028G |
| JENNY-LOU SHOTTLE TRUMP-ET  | TV TL  | 100-NA | 14HO05434  | SHOTTLE x BW MARSHALL    | 7.1     | 37  | -.06 | 53  | -.04 | 1746 | 99 | 2.70 | 2.6 | 2.33 | 97 | 2.00  | 1.56 | 2024G |
| POTTERS-FIELD LANDRY-ET     |        | 100-NA | 7HO10665   | SOCRATES x SHOTTLE       | 6.4     | 19  | .04  | 52  | .16  | 305  | 93 | 2.75 | 5.3 | 1.47 | 89 | 1.89  | 1.67 | 2024G |
| COYNE-FARMS SOCRATE DAWG-ET | TR TV  | 100-NA | 7HO10671   | SOCRATES x BRET          | 5.9     | 41  | -.03 | 62  | .01  | 1612 | 90 | 2.65 | 4.9 | 1.12 | 86 | 0.41  | 1.23 | 2023G |
| GEN-I-BEQ BRAWLER-ET        | TY     | 100-NA | 200HO05929 | ALTABAXTER x SHOTTLE     | 6.9     | 39  | .04  | 53  | .07  | 937  | 94 | 2.84 | 3.1 | 2.01 | 89 | 1.82  | 2.01 | 2022G |
| LATUCH ALTATENOR-ET         | TV TL  | 100-NA | 11HO10585  | COLBY x TOYSTORY         | 6.0     | 18  | -.05 | 45  | .03  | 1002 | 92 | 2.59 | 3.8 | 1.94 | 90 | 2.46  | 1.21 | 2022G |
| PINE-TREE OMAN AZUCAR-ET    | TV TL  | 100-NA | 29HO14508  | O MAN x BOLIVER          | 6.6     | 56  | .00  | 59  | -.04 | 1917 | 93 | 2.86 | 2.7 | 1.22 | 90 | 0.85  | 0.60 | 2022G |
| ROSYLANE-LLC ALTAMADISON    | TV TL  | 96-NA  | 11HO10566  | MAC x O MAN              | 6.8     | 22  | .05  | 43  | .13  | 274  | 94 | 2.72 | 4.1 | 1.30 | 90 | 1.61  | 1.24 | 2022G |
| SPRINGHILL-OH IRON J PIRATE | TV TL  | 100-NA | 14HO06344  | PLANET x BOSS IRON       | 5.9     | 28  | .01  | 63  | .13  | 831  | 89 | 2.80 | 2.6 | 3.00 | 85 | 2.90  | 1.12 | 2022G |
| HENDEL BACARDI-ET           | TR TV  | 100-NA | 7HO10248   | ALTABAXTER x O MAN       | 6.6     | 30  | .08  | 71  | .23  | 329  | 93 | 2.85 | 3.4 | 1.60 | 91 | 1.58  | 2.18 | 2020G |
| WELCOME AMAZON-ET           | TV TL  | 100-NA | 14HO06234  | PLANET x SHOTTLE         | 6.4     | 40  | -.02 | 50  | -.02 | 1522 | 90 | 2.79 | 5.3 | 1.56 | 88 | 1.51  | 1.08 | 2018G |
| CO-OP OMAN LOGAN-ET         | TV TL  | 100-NA | 1HO08658   | O MAN x BW MARSHALL      | 6.7     | 46  | .04  | 62  | .07  | 1152 | 99 | 2.64 | 3.5 | 0.96 | 94 | 0.26  | 1.75 | 2017G |
| BOMAZ ALTANETWORTH-ET       | TV TL  | 99-I   | 11HO10767  | PLANET x RAMOS           | 5.6     | 30  | .03  | 47  | .07  | 769  | 92 | 2.64 | 6.6 | 1.29 | 89 | 0.83  | 0.85 | 2016G |
| SUGAR-C ALTAMYSPEACE-ET     |        | 99-I   | 11HO10076  | TOYSTORY x RAMOS         | 6.2     | 27  | -.03 | 23  | -.08 | 1242 | 94 | 2.61 | 4.3 | 1.80 | 88 | 1.83  | 2.73 | 2016G |
| FUSTEAD PLANET SHERWOOD-ET  | TR TV  | 100-NA | 7HO10641   | PLANET x O MAN           | 6.6     | 43  | .01  | 62  | .05  | 1345 | 92 | 3.04 | 4.1 | 1.57 | 91 | 0.89  | 0.74 | 2015G |
| DE-SU ALTAGATOR-ET          | TV TL  | 100-NA | 11HO10500  | ALTABAXTER x O MAN       | 6.8     | 38  | -.01 | 65  | .06  | 1358 | 92 | 2.83 | 3.1 | 2.13 | 91 | 1.67  | 1.34 | 2013G |
| ROSYLANE-LLC ALTAGREATONE   | TV TL  | 87-NA  | 11HO10450  | BOLIVER x O MAN          | 5.8     | 30  | .06  | 67  | .19  | 468  | 95 | 2.69 | 2.8 | 1.80 | 93 | 1.98  | 1.57 | 2013G |
| WELCOME PENNYMAKER-ET       | B/R TV | 98-I   | 29HO13070  | LANCELOT x ALTAARON      | 4.9     | 35  | .08  | 37  | .08  | 419  | 99 | 2.69 | 3.9 | 1.27 | 97 | 1.54  | 1.37 | 2013G |
| BOMAZ ALTAPREMIUM-ET        | TV TL  | 99-I   | 11HO10772  | PLANET x RAMOS           | 5.6     | 38  | .01  | 50  | .03  | 1188 | 91 | 2.70 | 5.7 | 1.21 | 87 | 0.82  | 1.19 | 2012G |
| CORDES-MAID STONEWALL-ET    | TV TL  | 100-NA | 29HO13553  | SHOTTLE x DURHAM         | 6.8     | 25  | .07  | 32  | .09  | 230  | 94 | 2.75 | 3.1 | 2.14 | 91 | 1.65  | 1.95 | 2012G |
| MORNINGVIEW ALL-IN          | TR TV  | 100-NA | 7HO10611   | JEEVES x TOYSTORY        | 6.4     | 31  | .01  | 54  | .07  | 964  | 91 | 2.65 | 4.7 | 1.62 | 88 | 0.64  | 2.53 | 2012G |
| WABASH-WAY ELITE-ET         | TV TL  | 100-NA | 76HO00607  | SHOTTLE x O MAN          | 7.3     | 26  | .01  | 33  | .02  | 716  | 97 | 2.71 | 1.8 | 2.81 | 94 | 2.27  | 2.20 | 2012G |
| DEWGOOD O-BENNET-ET         | TR TV  | 100-NA | 7HO10640   | BOLIVER x O MAN          | 6.2     | 49  | .01  | 74  | .07  | 1542 | 92 | 2.90 | 2.8 | 1.48 | 91 | 1.02  | 0.38 | 2011G |
| FARNEAR-TBR ALTAVALON-ET    | TV TL  | 100-NA | 11HO10360  | MAC x SHOTTLE            | 7.0     | 20  | -.01 | 27  | .01  | 710  | 98 | 2.78 | 1.8 | 3.17 | 94 | 3.13  | 2.61 | 2011G |
| HENDEL KLEINER-ET           | TR TV  | 100-NA | 7HO10247   | BOLIVER x O MAN          | 6.0     | 62  | .08  | 52  | .02  | 1322 | 94 | 2.73 | 2.7 | 0.94 | 90 | 0.42  | 0.76 | 2011G |
| PINE-TREE MARTHA SHAMPOO-ET | TV TL  | 100-NA | 1HO09208   | SHOTTLE x O MAN          | 7.1     | 23  | .06  | 56  | .18  | 220  | 99 | 2.44 | 2.0 | 1.70 | 98 | 1.13  | 0.52 | 2011G |
| WESSELCREST AGUSTIN-ET      |        | 100-NA | 200HO06117 | ALTAARMSTEAD x SHOTTLE   | 6.7     | 22  | -.02 | 23  | -.04 | 932  | 93 | 2.59 | 2.8 | 2.56 | 90 | 2.60  | 2.02 | 2011G |
| DYECREST PLANET TRISTAN-ET  | TV TL  | 100-NA | 14HO06348  | PLANET x O MAN           | 6.2     | 60  | .06  | 55  | .00  | 1504 | 91 | 3.06 | 4.3 | 1.11 | 86 | 1.06  | 0.33 | 2010G |
| CLEAR-ECHO ALTAR2-ET        | TV TL  | 99-I   | 11HO10017  | MARION x RAMOS           | 5.5     | 34  | -.04 | 48  | -.03 | 1482 | 99 | 2.60 | 3.9 | 1.47 | 94 | 0.90  | 1.41 | 2008G |

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# HOLSTEIN ASSOCIATION

## HIGH RANKING SIRE REPORT - DECEMBER 2013 - Page 5

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

| Name                        |       | % RHA  | NAAB #     | SIRE/MGS                 | PROTEIN |     |      | FAT |      |      | PTAM | %R   | SCS | PL   | PTAT | %R   | UDC  | FLC   | TPI |
|-----------------------------|-------|--------|------------|--------------------------|---------|-----|------|-----|------|------|------|------|-----|------|------|------|------|-------|-----|
|                             |       |        |            |                          | EFI     | PTA | %    | PTA | %    |      |      |      |     |      |      |      |      |       |     |
| REGANCREST TYRON            |       | 100-NA | 200HO06152 | PLANET x TOYSTORY        | 6.4     | 58  | -.04 | 55  | -.10 | 2282 | 90   | 2.92 | 3.3 | 2.05 | 85   | 0.91 | 0.58 | 2008G |     |
| RI-VAL-RE MACGUINESS-ET     | TR TV | 100-NA | 7HO10550   | MAC x SHOTTLE            | 6.9     | 38  | .03  | 52  | .06  | 976  | 97   | 2.81 | 1.7 | 2.25 | 94   | 2.29 | 1.94 | 2007G |     |
| SCHILLVIEW GWHIZ-ET         |       | 100-NA | 200HO06160 | JEEVES x SHOTTLE         | 6.4     | 29  | -.03 | 40  | -.02 | 1252 | 91   | 2.70 | 4.4 | 1.99 | 86   | 1.32 | 1.90 | 2007G |     |
| GLEN-D-HAVEN BRYCEN-ET-TW   | TR TV | 100-NA | 7HO10446   | BOLIVER x DIE-HARD       | 6.0     | 55  | -.01 | 29  | -.14 | 1860 | 92   | 2.77 | 4.8 | 1.19 | 91   | 1.03 | 1.01 | 2006G |     |
| RICHMOND-FD BLV LINDEN-ET   | TR TV | 100-NA | 7HO10194   | BOLIVER x O MAN          | 6.3     | 25  | .06  | 58  | .19  | 250  | 94   | 2.95 | 4.1 | 1.93 | 91   | 2.01 | 1.12 | 2006G |     |
| WELCOME WHITELIGHTNING-ET   | TV TL | 100-NA | 14HO06098  | ALTABAXTER x O MAN       | 6.4     | 42  | -.03 | 57  | -.01 | 1651 | 95   | 2.83 | 4.0 | 1.44 | 93   | 0.92 | 3.03 | 2006G |     |
| DE-SU GYRO-ET               | TV TL | 100-NA | 29HO14406  | BOLIVER x O MAN          | 6.3     | 31  | .09  | 77  | .26  | 241  | 94   | 2.80 | 3.8 | 1.40 | 88   | 1.69 | 0.10 | 2004G |     |
| DE-SU MARINER-ET            | BY TV | 100-NA | 29HO14624  | MEGA-MAN x O MAN         | 6.1     | 41  | .01  | 79  | .13  | 1236 | 92   | 2.81 | 2.3 | 1.43 | 90   | 0.93 | 1.76 | 2002G |     |
| LARCREST CALCULATE-ET       | TR TV | 100-NA | 7HO10625   | SHOTTLE x OUTSIDE        | 7.0     | 12  | .02  | 76  | .26  | 244  | 96   | 2.68 | 2.2 | 2.55 | 93   | 2.65 | 1.10 | 2002G |     |
| SANDY-VALLEY TIAGO-ET       |       | 100-NA | 200HO02595 | ALTAARMSTEAD x GOLDWYN   | 6.3     | 20  | .01  | 46  | .09  | 595  | 92   | 2.75 | 4.2 | 1.70 | 87   | 1.42 | 1.87 | 2001G |     |
| SCHILLVIEW ADDISON-ET       | TY    | 100-NA | 200HO06109 | PAGEWIRE x O MAN         | 6.7     | 26  | .09  | 39  | .13  | 109  | 93   | 2.73 | 4.8 | 1.57 | 92   | 2.07 | 0.51 | 2001G |     |
| B-HIDDENHILLS PAINTBRUSH-ET | TV TL | 100-NA | 7HO10691   | PLANET x O MAN           | 6.5     | 43  | -.02 | 49  | -.03 | 1579 | 92   | 2.66 | 4.0 | 1.70 | 89   | 1.46 | 0.66 | 2000G |     |
| HONEYCREST JETTISON-ET      | TL TY | 98-I   | 1HO09448   | JET STREAM x BOLIVER     | 5.9     | 53  | .04  | 70  | .07  | 1386 | 93   | 3.08 | 1.5 | 1.92 | 90   | 1.65 | 1.01 | 2000G |     |
| SPRINGWAY ALTACANDOR-ET     | TV TL | 100-NA | 11HO10671  | MAC x O MAN              | 6.7     | 14  | -.03 | 16  | -.04 | 700  | 95   | 2.89 | 3.2 | 1.95 | 90   | 3.10 | 2.07 | 2000G |     |
| BRANDT-VIEW HOWIE-ET        | TV TL | 100-NA | 29HO14592  | ALTABAXTER x POTTER      | 6.7     | 10  | -.04 | 40  | .06  | 712  | 94   | 2.70 | 5.4 | 2.55 | 91   | 2.76 | 2.57 | 1999G |     |
| LE-O-LA ALTATUXEDO-ET       | TV TL | 100-NA | 11HO10373  | ALTAJURYMAN x ALTATHRONE | 6.2     | 35  | .03  | 46  | .04  | 953  | 92   | 2.62 | 3.8 | 2.05 | 89   | 1.67 | 0.11 | 1999G |     |
| ROSYLANE-LLC ALTAMORDOMO    | TV TL | 87-NA  | 11HO10811  | JEEVES x O MAN           | 6.1     | 21  | .05  | 52  | .16  | 253  | 90   | 2.63 | 6.1 | 0.84 | 85   | 1.06 | 1.00 | 1999G |     |
| CLEAR-ECHO SOCRATES OFFBEAT | TR TV | 99-I   | 7HO10675   | SOCRATES x OFFROAD       | 6.2     | 11  | -.01 | 56  | .15  | 447  | 91   | 2.42 | 7.3 | 1.55 | 88   | 1.56 | 1.44 | 1998G |     |
| DE-SU CIMARRON-ET           | TR BY | 100-NA | 7HO10227   | BOLTON x SHOTTLE         | 6.6     | 60  | -.02 | 76  | -.01 | 2169 | 93   | 2.73 | 1.4 | 2.11 | 89   | 2.48 | 0.64 | 1998G |     |
| GARJO PLANET GERRY-ET       | TR TV | 100-NA | 7HO10645   | PLANET x SHOTTLE         | 6.7     | 59  | .00  | 65  | -.02 | 1931 | 92   | 3.09 | 2.8 | 1.81 | 91   | 1.46 | 0.66 | 1998G |     |
| ROSYLANE-LLC ALTATREASURE   | TV TL | 99-I   | 11HO10814  | BOLIVER x RAMOS          | 5.7     | 26  | .00  | 50  | .07  | 842  | 95   | 2.79 | 5.2 | 1.27 | 90   | 1.30 | 0.85 | 1998G |     |
| SIEMERS TOYS HERO 9701-ET   | TR TV | 100-NA | 7HO09545   | TOYSTORY x DURHAM        | 6.3     | 9   | .02  | 57  | .20  | 133  | 96   | 2.93 | .5  | 3.46 | 93   | 3.63 | 2.32 | 1997G |     |
| VATLAND ALTAMARINER-ET      | TV TL | 100-NA | 11HO10782  | PLANET x O MAN           | 6.6     | 57  | .04  | 63  | .03  | 1533 | 92   | 2.94 | 3.1 | 1.43 | 89   | 1.06 | 0.80 | 1997G |     |
| BOMAZ ALTAQUASAR-ET         | TV TL | 100-NA | 11HO10338  | ZENITH x MANAGER         | 6.2     | 38  | .07  | 44  | .08  | 583  | 96   | 2.67 | 2.1 | 1.65 | 90   | 1.01 | 1.16 | 1996G |     |
| DE-SU MONTROSE-ET           | TV TL | 100-NA | 29HO14780  | PLANET x O MAN           | 6.4     | 40  | .07  | 61  | .13  | 735  | 90   | 2.77 | 6.0 | 0.37 | 86   | 0.28 | 0.46 | 1996G |     |
| DE-SU 513 CLINCHER-ET       | TV TL | 99-I   | 7HO10719   | PLANET x JET STREAM      | 6.3     | 59  | -.02 | 63  | -.05 | 2080 | 92   | 2.95 | 2.9 | 2.17 | 89   | 1.36 | 0.24 | 1995G |     |
| LADYS-MANOR SHANE-ET        | TV TL | 100-NA | 200HO09225 | AUDEN x SHOTTLE          | 6.2     | 42  | .03  | 68  | .11  | 1080 | 93   | 2.90 | 1.0 | 2.46 | 92   | 1.95 | 2.21 | 1995G |     |
| LARCREST CONAN-ETS          | TV TL | 100-NA | 29HO14744  | GOLDWYN x SHOTTLE        | 6.9     | 28  | .05  | 62  | .17  | 474  | 93   | 2.78 | 1.8 | 2.28 | 88   | 2.24 | 1.38 | 1995G |     |
| MINN-DELL BAXTER MASSIVE-ET | TV TL | 100-NA | 14HO06033  | ALTABAXTER x OUTSIDE     | 6.3     | 14  | -.06 | 51  | .05  | 1027 | 94   | 2.65 | 6.1 | 1.71 | 92   | 1.45 | 2.00 | 1995G |     |
| SHADYBANK SHOTTLE SANTANA   | TM TV | 100-NA | 1HO09175   | SHOTTLE x TRENT *MF      | 6.9     | 48  | .05  | 76  | .13  | 1144 | 92   | 2.87 | .9  | 1.96 | 91   | 1.12 | 0.70 | 1995G |     |
| BOMAZ OMAN KRAMER 561-ET    | TV TL | 100-NA | 14HO04924  | O MAN x ALTAHERSHEL      | 6.5     | 37  | -.03 | 48  | -.02 | 1540 | 99   | 2.74 | 3.4 | 1.36 | 97   | 1.39 | 2.36 | 1994G |     |
| NOVA-TMJ EXCEL              | TR TV | 98-I   | 7HO10702   | ROUMARE x ELEGANT        | 5.7     | 38  | .05  | 61  | .11  | 861  | 90   | 2.91 | 3.0 | 1.59 | 86   | 1.50 | 1.91 | 1994G |     |
| DE-SU TRIBUTARY-ET          | TR BY | 100-NA | 7HO10229   | BOLTON x SHOTTLE         | 6.6     | 47  | -.05 | 53  | -.08 | 2030 | 92   | 2.73 | 4.7 | 0.75 | 90   | 0.71 | 1.09 | 1993G |     |
| HORSTYLE MOSCOW MONTNEY     | TR TV | 100-NA | 7HO10429   | MOSCOW x MANAGER         | 6.7     | 16  | -.03 | 30  | .01  | 765  | 94   | 2.44 | 4.0 | 2.00 | 92   | 1.58 | 1.88 | 1993G |     |
| HENDEL KIEFFER              | TV TL | 96-NA  | 14HO06107  | COLBY x BRET             | 5.6     | 30  | .01  | 47  | .05  | 921  | 94   | 2.57 | 4.0 | 1.36 | 93   | 1.50 | 0.70 | 1992G |     |
| DE-SU 539 GRINCH-ET         | TY    | 100-NA | 7HO10726   | PLANET x SHOTTLE         | 6.8     | 49  | -.01 | 57  | -.03 | 1749 | 91   | 2.85 | 3.5 | 2.21 | 87   | 1.70 | 0.65 | 1991G |     |
| A-ELSBERND MAC DOUGLAS-ET   | TV TL | 100-NA | 14HO05954  | MAC x O MAN              | 6.8     | 26  | -.01 | 36  | .00  | 995  | 98   | 2.60 | 4.5 | 1.33 | 95   | 1.49 | 1.59 | 1990G |     |
| REGANCRESTDL S RYKER-ET     | TV TL | 100-NA | 7HO10211   | SHOTTLE x DURHAM         | 7.2     | 19  | .02  | 49  | .13  | 398  | 91   | 2.71 | 1.7 | 2.61 | 87   | 2.81 | 1.24 | 1990G |     |
| BOMAZ ALDEN-ET              |       | 100-NA | 200HO02562 | PLANET x TITANIC         | 6.1     | 56  | .05  | 55  | .02  | 1409 | 93   | 2.90 | 3.4 | 1.64 | 91   | 1.14 | 1.05 | 1989G |     |
| DE-SU MASKILL-ET            | TR BY | 100-NA | 7HO10172   | BOLTON x O MAN           | 6.4     | 57  | -.02 | 79  | .01  | 2084 | 92   | 2.77 | 1.0 | 1.71 | 91   | 1.75 | 0.78 | 1989G |     |
| E-LONGVIEW CM-ET            | TV TL | 100-NA | 14HO05639  | SHARKY x OUTSIDE         | 5.9     | 45  | .01  | 72  | .08  | 1404 | 95   | 2.80 | 2.4 | 1.59 | 94   | 1.12 | 0.25 | 1989G |     |
| FIR-RIDGE PLANET PLUTO-ET   | TV TL | 100-NA | 14HO06239  | PLANET x O MAN           | 6.5     | 32  | .03  | 39  | .04  | 773  | 93   | 3.03 | 5.2 | 1.41 | 91   | 1.09 | 0.24 | 1989G |     |
| RC-NC-BTA ACKER-ET          | TV TL | 99-I   | 29HO14657  | RAMOS x O MAN            | 5.8     | 31  | .04  | 9   | -.05 | 631  | 91   | 2.70 | 4.4 | 2.16 | 87   | 2.03 | 0.93 | 1989G |     |
| SCHILLVIEW GORHAM-ET        | TV TL | 100-NA | 29HO14739  | PLANET x O MAN           | 6.7     | 38  | .06  | 35  | .03  | 777  | 92   | 2.76 | 6.8 | 0.50 | 86   | 0.57 | 0.47 | 1989G |     |
| TOLLENAARS ALTAQUALITY      | TV TL | 98-I   | 11HO10024  | RAMOS x MANFRED          | 5.7     | 44  | -.03 | 37  | -.10 | 1759 | 92   | 2.98 | 4.3 | 1.05 | 90   | 0.48 | 1.33 | 1989G |     |

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.