



# BULL UPDATE

Top Holstein Friesian bulls from

**21 May 2021 AE Run**

(BW Bull File)

## Top 50 Proven BW Holstein Friesian Bulls as at 21/05/2021

**NB: Not all overseas bulls are enrolled in NZAEL, this list only includes those that are enrolled.**

| Rank*<br>↑↓ | AB Code | Name                      | Breed | Breeding          |       |             | Country<br>Of Birth  | Marketer |
|-------------|---------|---------------------------|-------|-------------------|-------|-------------|----------------------|----------|
|             |         |                           |       | Breeding<br>Worth | Worth | Reliability |                      |          |
| 1-1         | 117089  | SPRING RIVER TACTIC S2F   | 15    | 283               | 79    | NZL         | LIC                  |          |
| 2-3         | 115080  | WESTEDGE VHR SWEET AS S2F | 16    | 258               | 86    | NZL         | LIC                  |          |
| 3-2         | 117561  | MEANDER SB ALIAS-ET S2F   | 15    | 257               | 81    | NZL         | CRV                  |          |
| 4-4         | 112087  | ALEXANDERS ENDEAVOUR S3F  | 16    | 254               | 91    | NZL         | LIC                  |          |
| 5-6         | 117021  | TAFTS TT OFFICIAL-ET S2F  | 16    | 252               | 78    | NZL         | LIC                  |          |
| 6-5         | 114106  | HAZAEI FI JUBILEE S3F     | 16    | 244               | 87    | NZL         | LIC                  |          |
| 7-7         | 113105  | MARCHEL FI JOYRIDER S3F   | 16    | 243               | 87    | NZL         | LIC                  |          |
| 8-8         | 115012  | PORTERS ZP PROMISE-ET S2F | 15    | 239               | 87    | NZL         | LIC                  |          |
| 9-9         | 116523  | AMBZED GRAND LENNAN S1F   | 15    | 239               | 85    | NZL         | CRV                  |          |
| 10-10       | 113087  | TENNANT DARKSTAR-OC S1F   | 14    | 235               | 87    | NZL         | LIC                  |          |
| 11-12       | 116013  | STOUPES BG TRIUMPHANT S1F | 16    | 234               | 87    | NZL         | LIC                  |          |
| 12-11       | 117068  | MEANDER SB ARROW-ET S2F   | 15    | 231               | 80    | NZL         | LIC                  |          |
| 13-14       | 114032  | WOODCOTE FI MASTERMIND    | 16    | 230               | 85    | NZL         | LIC                  |          |
| 14-13       | 117051  | BUSY BROOK SB FORTUNE S2F | 15    | 230               | 79    | NZL         | LIC                  |          |
| 15-16       | 113072  | GREENWELL SH BANGER S1F   | 16    | 224               | 96    | NZL         | LIC                  |          |
| 16-21       | 116122  | SPRING TRALEE BASS-ET S2F | 15    | 224               | 90    | NZL         | LIC                  |          |
| 17-18       | 115078  | TAFTS WM GENTLEMAN-ET     | 16    | 222               | 85    | NZL         | LIC                  |          |
| 18-25       | 112073  | LIGHTBURN IG RANBO-ET S3F | 16    | 222               | 97    | NZL         | LIC                  |          |
| 19-17       | 117048  | BUSY BROOK SB RUMBLE S2F  | 15    | 219               | 80    | NZL         | LIC                  |          |
| 20-19       | 115132  | COSTERS POLARISE-ET S3F   | 16    | 219               | 85    | NZL         | LIC                  |          |
| 21-22       | 116019  | WERDERS DE OVERTIME S1F   | 16    | 218               | 88    | NZL         | LIC                  |          |
| 22-15       | 114007  | BUSY BROOK WTP VECTOR S3F | 16    | 218               | 87    | NZL         | LIC                  |          |
| 23-23       | 115062  | PAALVASTS MT CYCLONE S2F  | 16    | 217               | 86    | NZL         | LIC                  |          |
| 24-26       | 113535  | TRALEE ME RAVEN-ET-OC S3F | 16    | 216               | 93    | NZL         | Liberty Genetics Ltd |          |
| 25-27       | 117011  | MO SB POINTBLANK S2F      | 15    | 213               | 80    | NZL         | LIC                  |          |
| 26-28       | 117015  | DICKSONS GF GO-GETTER-ET  | 16    | 213               | 77    | NZL         | LIC                  |          |
| 27-20       | 115021  | GORDONS AM LANCELOT S3F   | 16    | 213               | 96    | NZL         | LIC                  |          |
| 28-24       | 117018  | KLAUS KJ WORLDCLASS S2F   | 16    | 213               | 76    | NZL         | LIC                  |          |
| 29-31       | 115077  | TAFTS WM TRANQUIL-ET      | 16    | 211               | 89    | NZL         | LIC                  |          |
| 30-29       | 112034  | CARSONS FM CAIRO S3F      | 16    | 211               | 98    | NZL         | LIC                  |          |
| 31-32       | 112035  | CARSONS MECCA PULSE S1F   | 16    | 208               | 98    | NZL         | LIC                  |          |
| 32-33       | 117503  | SPRING RIVER BAZ-ET S2F   | 15    | 208               | 83    | NZL         | CRV                  |          |
| 33-30       | 115107  | LIGHTBURN BLADE GUSTO     | 16    | 208               | 85    | NZL         | LIC                  |          |
| 34-38       | 117083  | BUSY BROOK HF LYNX-ET S1F | 16    | 205               | 81    | NZL         | LIC                  |          |
| 35-45       | 116124  | SPRING TRALEE BEAT-ET S1F | 15    | 205               | 92    | NZL         | LIC                  |          |
| 36-34       | 116012  | BLACKSTOCK WE EMBLAZE S2F | 15    | 204               | 84    | NZL         | LIC                  |          |
| 37-43       | 114504  | AMBZED RIDDINGTON WYN     | 16    | 203               | 84    | NZL         | CRV                  |          |
| 38-36       | 114049  | SCOTTS FI DUSKY S3F       | 16    | 203               | 87    | NZL         | LIC                  |          |
| 39-39       | 117038  | TANGLEWOOD GL HARDY       | 16    | 202               | 78    | NZL         | LIC                  |          |
| 40-37       | 115039  | SPRING RIVER COSMO-ET S2F | 16    | 202               | 87    | NZL         | LIC                  |          |
| 41-41       | 112089  | HAZAEI MINT REFINE-ET S3F | 16    | 201               | 98    | NZL         | LIC                  |          |
| 42-47       | 114089  | MOSSOPS GB PLAYMAKER      | 16    | 200               | 86    | NZL         | LIC                  |          |
| 43 -        | 116056  | WESTEDGE ML LOMU S2F      | 16    | 199               | 85    | NZL         | LIC                  |          |
| 44-40       | 117057  | MAIRE GL GRADUATE-ET      | 16    | 198               | 77    | NZL         | LIC                  |          |
| 45-46       | 115551  | AMBZED REVITUP FONZIE S2F | 15    | 198               | 85    | NZL         | Liberty Genetics Ltd |          |
| 46-48       | 115097  | ARON-AMY MT HONOUR S2F    | 16    | 198               | 85    | NZL         | LIC                  |          |
| 47 -        | 117065  | MEANDER MH ANTIC-ET S2F   | 16    | 198               | 80    | NZL         | LIC                  |          |
| 48 -        | 113530  | TRALEE ME RUSSO-ET-OC S2F | 16    | 197               | 91    | NZL         | Liberty Genetics Ltd |          |
| 49-50       | 115566  | GRANTZ M HUMVEE-ET-OC S3F | 16    | 196               | 82    | NZL         | Liberty Genetics Ltd |          |
| 50 -        | 112032  | JACLES BOY JAKS S2F       | 16    | 196               | 96    | NZL         | LIC                  |          |

\* Movement in rank: the first number represents the bull's rank as of the latest AE Run (21/05/21). The second number shows where the bull ranked in the previous AE Run (23/04/21). If there is no second number, the bull is new to the top 50/top 10 list.

### Top 50 Unproven BW Holstein Friesian Bulls as at 21/05/2021

**NB: Not all overseas bulls are enrolled in NZAEL, this list only includes those that are enrolled.**

| Rank*<br>↑↓ | AB Code | Name                        | Breed | Breeding          |       |             | Country<br>Of Birth  | Marketer |
|-------------|---------|-----------------------------|-------|-------------------|-------|-------------|----------------------|----------|
|             |         |                             |       | Breeding<br>Worth | Worth | Reliability |                      |          |
| 1-1         | 119065  | MEANDER TD AZURE-ET S1F     | 15    | 220               | 50    | NZL         | LIC                  |          |
| 2-2         | 120073  | MEANDER TS ALLOY-ET S1F     | 16    | 217               | 38    | NZL         | LIC                  |          |
| 3-5         | 120002  | MILL-RIDGE TS FLEX-ET S1F   | 16    | 215               | 27    | NZL         | LIC                  |          |
| 4-6         | 120001  | MILL-RIDGE TS FINN-ET S1F   | 16    | 215               | 27    | NZL         | LIC                  |          |
| 5-3         | 121025  | MAH ST STRIKING S1F         | 16    | 213               | 40    | NZL         | LIC                  |          |
| 6-9         | 118032  | PAYNES LR PACMAN-ET S2F     | 16    | 212               | 46    | NZL         | LIC                  |          |
| 7-7         | 118043  | DICKSONS HD MOVER-ET S1F    | 16    | 210               | 46    | NZL         | LIC                  |          |
| 8-8         | 118031  | DICKSONS HD MYTH-ET S1F     | 16    | 210               | 46    | NZL         | LIC                  |          |
| 9-4         | 120505  | DIPROSE MAST ALPHA-ET S2F   | 16    | 210               | 40    | NZL         | CRV                  |          |
| 10-12       | 118070  | TAFTS GR SUPERVISOR S1F     | 16    | 209               | 43    | NZL         | LIC                  |          |
| 11-10       | 119022  | MAH DARK STRAUSS-ET S1F     | 15    | 206               | 42    | NZL         | LIC                  |          |
| 12-18       | 118071  | GLENMEAD SB TRAPEZE S1F     | 15    | 205               | 42    | NZL         | LIC                  |          |
| 13-17       | 121020  | WAITARIA TRAPEZE ZEUS S1F   | 15    | 205               | 27    | NZL         | LIC                  |          |
| 14-20       | 118045  | DICKSONS HF MENTOR-ET S2F   | 16    | 205               | 48    | NZL         | LIC                  |          |
| 15-21       | 118050  | DICKSONS HF MOTIVE-ET S2F   | 16    | 205               | 48    | NZL         | LIC                  |          |
| 16-14       | 121032  | MEANDER TR ALADDIN-ET S1F   | 16    | 204               | 30    | NZL         | LIC                  |          |
| 17-13       | 121007  | SANSONS GG VIRIDIAN S1F     | 15    | 204               | 28    | NZL         | LIC                  |          |
| 18-22       | 121027  | MEANDER TR AMAZON-ET S1F    | 16    | 203               | 27    | NZL         | LIC                  |          |
| 19-44       | 121078  | TAFTS MA IMPULSE-ET S1F     | 16    | 203               | 29    | NZL         | LIC                  |          |
| 20-23       | 121083  | MAIRE TS JAGER-ET S1F       | 16    | 201               | 31    | NZL         | LIC                  |          |
| 21-15       | 121062  | CHISHOLM BROKER S1F         | 15    | 201               | 28    | NZL         | LIC                  |          |
| 22-16       | 121037  | BALANTIS LG TARZAN S2F      | 15    | 200               | 41    | NZL         | LIC                  |          |
| 23-25       | 120063  | MATTAJUDE VR BRUTE-ET S1F   | 16    | 200               | 43    | NZL         | LIC                  |          |
| 24-26       | 121054  | BUSYBROOK MA SWISH-ET S1F   | 16    | 199               | 27    | NZL         | LIC                  |          |
| 25-24       | 121052  | BUSYBROOK MA PAYWAVE S1F    | 15    | 199               | 28    | NZL         | LIC                  |          |
| 26-27       | 120054  | DICKSONS ST JAZZMAN S1F     | 15    | 199               | 42    | NZL         | LIC                  |          |
| 27-33       | 121040  | SPRING RIVER GG SPYRO S1F   | 16    | 198               | 29    | NZL         | LIC                  |          |
| 28-31       | 119507  | MEANDER MAX AXMAN-ET S2F    | 16    | 198               | 51    | NZL         | CRV                  |          |
| 29-32       | 119604  | MEANDER MAX ASLAN-ET S2F    | 16    | 198               | 51    | NZL         | Liberty Genetics Ltd |          |
| 30-34       | 121085  | INVERNIA RS HUNTER S1F      | 16    | 198               | 23    | NZL         | LIC                  |          |
| 31-35       | 120074  | MEANDER DM ADVOCATE S1F     | 16    | 198               | 29    | NZL         | LIC                  |          |
| 32-37       | 121009  | DICKSONS MA MEGA-ET S1F     | 16    | 197               | 29    | NZL         | LIC                  |          |
| 33-36       | 120039  | OKELAND ST OKEY-DOKEY S1F   | 15    | 197               | 40    | NZL         | LIC                  |          |
| 34-30       | 120060  | OAKLINE DEED FIXER S1F      | 16    | 196               | 29    | NZL         | LIC                  |          |
| 35-38       | 121555  | BALDRICKS S BEARCAT S2F     | 16    | 196               | 42    | NZL         | CRV                  |          |
| 36-28       | 121563  | DALMORE MAX LINEUP-ET S2F   | 15    | 196               | 43    | NZL         | CRV                  |          |
| 37-42       | 121103  | DICKSONS MA MANTEL-ET S1F   | 16    | 196               | 29    | NZL         | LIC                  |          |
| 38-43       | 121008  | DICKSONS MA MOOLAH-ET S1F   | 16    | 196               | 29    | NZL         | LIC                  |          |
| 39 -        | 119043  | LIGHTBURN DM GLYCOL S2F     | 16    | 195               | 42    | NZL         | LIC                  |          |
| 40-46       | 121024  | MAH FBE STUPENDOUS-ET S2F** | 16    | 195               | 25    | NZL         | LIC                  |          |
| 41-45       | 121069  | TAFTS TRADESMAN S2F         | 16    | 195               | 28    | NZL         | LIC                  |          |
| 42-19       | 121516  | BUSYBROOK L SCRIBE-ET S3F   | 16    | 195               | 44    | NZL         | CRV                  |          |
| 43 -        | 121046  | BELLAMYS RI GADSBY-ET S1F   | 16    | 195               | 24    | NZL         | LIC                  |          |
| 44 -        | 118042  | DICKSONS MH MASON-ET S2F    | 16    | 195               | 53    | NZL         | LIC                  |          |
| 45-47       | 120084  | SPRING RIVER M SCOTT S2F    | 15    | 195               | 43    | NZL         | LIC                  |          |
| 46-40       | 121035  | BALANTIS TR TRICK-ET S1F    | 15    | 195               | 27    | NZL         | LIC                  |          |
| 47-41       | 121036  | BALANTIS TR TONTO-ET S1F    | 15    | 195               | 27    | NZL         | LIC                  |          |
| 48 -        | 118001  | WAIMATA SB RANSOM-ET S2F    | 16    | 193               | 42    | NZL         | LIC                  |          |
| 49-48       | 120071  | MEANDER TD ASTUTE-ET S1F**  | 15    | 193               | 43    | NZL         | LIC                  |          |
| 50-49       | 120070  | MEANDER TD AERO-ET S1F**    | 15    | 193               | 43    | NZL         | LIC                  |          |

Top 10 Holstein Friesian Bulls in Fertility BV, Milk BV, Fat BV, Protein BV, Fat %, Protein %, Calving Difficulty and Udder Overall according to the 21/05/2021 AE Run

NB: Not all overseas bulls are enrolled in NZAEL, this list only includes those that are enrolled.

|  |                                       |
|--|---------------------------------------|
|  | Unproven (below 75% BW Reliability)   |
|  | Proven (75% and above BW Reliability) |

Fertility BV

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                      | Breed | Name Of Sire               | Name Of Dam               | Fertility BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|---------------------------|-------|----------------------------|---------------------------|--------------|----------------|----------------------------|------------------|
| 1-1        | 114007  | 20130807      | BUSY BROOK WTP VECTOR S3F | 16    | WEARNES FE TE POI S3F      | BUSY BROOK GB VIVIEN S2F  | 7.27         | 218            | 87                         | NZL              |
| 2-2        | 116528  | 20150101      | ARKAN HOT BEDFORD-ET S2F  | 15    | MOURNE GROVE HOTHOUSE S2F  | ARKAN FME BUSTLE-ET S2F   | 6.61         | 186            | 85                         | NZL              |
| 3-3        | 112037  | 20110908      | WEARNES FE TE POI S3F     | 16    | FAIRMONT MINT-EDITION      |                           | 6.07         | 146            | 97                         | NZL              |
| 4-6        | 116050  | 20150712      | MCLACHLANS MGH TREAT S2F  | 16    | MOURNE GROVE HOTHOUSE S2F  |                           | 5.87         | 89             | 83                         | NZL              |
| 5-4        | 115060  | 20140729      | TELESIS GB HIGH TIME S2F  | 16    | GREENWELL MD BRUTUS S3F    | TELESIS HAMMER HEIDI S1F  | 5.86         | 90             | 94                         | NZL              |
| 6-5        | 113042  | 20120706      | CHARLTONS FI FINALCUT S2F | 16    | FARSHIDE M ILLUSTRIOUS S3F |                           | 5.67         | 168            | 98                         | NZL              |
| 7-7        | 114027  | 20130718      | GREENWELL WTP BETA S3F    | 16    | WEARNES FE TE POI S3F      | GREENWELL BLOSSOM         | 5.40         | 79             | 86                         | NZL              |
| 8-8        | 113117  | 20120721      | GREENWELL SH BOMBER S1F   | 16    | SAVANNAHS HF HAMMER S1F    |                           | 5.11         | 127            | 97                         | NZL              |
| 9-9        | 113505  | 20120806      | RIDGETOP M CARLYLE-ET S3F | 16    | FAIRMONT MINT-EDITION      | RIDGETOP SKNIFE KARRA S2F | 5.02         | 81             | 92                         | NZL              |
| 10-10      | 116518  | 20150726      | CULGLEN HOT BERMUDA S2F   | 16    | MOURNE GROVE HOTHOUSE S2F  | CULGLEN JUSTICE BILLY S2F | 4.94         | 80             | 88                         | NZL              |

Milk BV

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                        | Breed | Name Of Sire                | Name Of Dam                  | Milk BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|-----------------------------|-------|-----------------------------|------------------------------|---------|----------------|----------------------------|------------------|
| 1 -        | 120715  | 20150501      | S-S-I JOSUPER ROCKETFIRE-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | S-S-I STRLING TAYLOR 8728-ET | 2163    | 56             | 47                         | USA              |
| 2-1        | 116703  | 20110409      | SANDY VALLEY SALOON-ET      | 16    | REGANCREST ALTAIOTA-ET      | SANDY-VALLEY PLANE SAPPHIRE  | 2153    | -50            | 77                         | USA              |
| 3-2        | 115857  | 20130220      | STANTONS HIGH OCTANE        | 16    | DE-SU BKM MCCUTCHEN 1174-ET | MS CHASSITY OBS CLAIRE-ET    | 1974    | -115           | 79                         | CAN              |
| 4-3        | 117901  | 20110407      | SANDY-VALLEY SUTTON ET      | 16    | ROYLANE SOCRA ROBUST ET     | SANDY-VALLEY PLANE SAPPHIRE  | 1956    | -64            | 77                         | USA              |
| 5-6        | 117911  | 20140515      | S-S-I MONTROSS JETT-ET      | 16    | BACON-HILL MONTROSS-ET      | S-S-I SUPRSIRE MIRI 8679-ET  | 1943    | -50            | 66                         | USA              |
| 6-7        | 116724  | 20110220      | S-S-I ROBUST BIGGIO-ET      | 16    | ROYLANE SOCRA ROBUST ET     | OLMAR PLANET BABY BB         | 1940    | -7             | 88                         | USA              |
| 7-4        | 115013  | 20140809      | SCOTTS HDF DAYTONA-ET**     | 16    | HAZEL DAUNTLESS FREEDOM     | SCOTTS FAR DELITE-ET S3F     | 1923    | 79             | 85                         | NZL              |
| 8-5        | 115735  | 20130604      | COMESTAR SIMPLE PLAN        | 16    | SEAGULL-BAY SUPERSIRE-ET    | COMESTAR LAUTAMIRE PLANET    | 1920    | -83            | 82                         | CAN              |
| 9 -        | 117976  | 20150410      | MELARRY JOSUPER FRAZZLED-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | MELARRY SHOTGLASS FRAZZLE    | 1876    | 62             | 54                         | USA              |
| 10-10      | 114952  | 20121014      | BACON-HILL MONTROSS-ET      | 16    | MOUNTFIELD SSI DCY MOGUL-ET | UNIQUE-STYLE BOLTON MONEY    | 1851    | -57            | 85                         | USA              |

Fat BV

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                     | Breed | Name Of Sire               | Name Of Dam                | Fat BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|--------------------------|-------|----------------------------|----------------------------|--------|----------------|----------------------------|------------------|
| 1-1        | 117908  | 20150626      | WELCOME SILVER GRIFF-ET  | 16    | SEAGULL-BAY SILVER-ET      | WELCOME SUPERSIRE GALES-ET | 71.1   | 168            | 66                         | USA              |
| 2 -        | 117946  | 20150407      | AOT SILVER HELIX-ET      | 16    | SEAGULL-BAY SILVER-ET      | COOKIECUTTER SSIRE HAS-ET  | 65.8   | 60             | 58                         | USA              |
| 3-2        | 119685  | 20150812      | DE-SU 13050 SPECTRE-ET   | 16    | WOODCREST MOGUL YODER-ET   | DE-SU SUPERSIRE 3349-ET    | 63.3   | 62             | 59                         | USA              |
| 4-3        | 117015  | 20160805      | DICKSONS GF GO-GETTER-ET | 16    | GREENWELL SB FORAY-ET S3F  | LIGHTBURN IGN GRETA-ET     | 59.1   | 213            | 77                         | NZL              |
| 5-4        | 114032  | 20130717      | WOODCOTE FI MASTERMIND   | 16    | FARSHIDE M ILLUSTRIOUS S3F | WOODCOTE SPICY MELLY-ET    | 57.4   | 230            | 85                         | NZL              |
| 6-5        | 115078  | 20140712      | TAFTS WM GENTLEMAN-ET    | 16    | WOODCOTE TF MAXIMISER      | DRQ-10-10                  | 57.1   | 222            | 85                         | NZL              |
| 7-6        | 113105  | 20120812      | MARCHEL FI JOYRIDER S3F  | 16    | FARSHIDE M ILLUSTRIOUS S3F | MARCHEL ESTO JODY-OC S2F   | 55.4   | 243            | 87                         | NZL              |
| 8-7        | 116091  | 20150815      | PASSMORE EMPIRE VISA S1F | 16    | DICKSONS SHADE EMPIRE S1F  |                            | 55.0   | 178            | 83                         | NZL              |
| 9-9        | 114089  | 20130804      | MOSSOPS GB PLAYMAKER     | 16    | GREENWELL TF BLITZ-ET S3F  |                            | 54.6   | 200            | 86                         | NZL              |
| 10-8       | 117089  | 20160826      | SPRING RIVER TACTIC S2F  | 15    | SAN RAY FM BEAMER-ET S2F   | SPRING RIVER TIFFANY S2F   | 54.0   | 283            | 79                         | NZL              |

Fat %

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                      | Breed | Name Of Sire               | Name Of Dam               | Fat % BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|---------------------------|-------|----------------------------|---------------------------|----------|----------------|----------------------------|------------------|
| 1-1        | 113042  | 20120706      | CHARLTONS FI FINALCUT S2F | 16    | FARSHIDE M ILLUSTRIOUS S3F |                           | 5.46     | 168            | 98                         | NZL              |
| 2-2        | 115039  | 20140914      | SPRING RIVER COSMO-ET S2F | 16    | WOODCOTE TF MAXIMISER      | RIDGETOP 01-5-RR S1F      | 5.37     | 202            | 87                         | NZL              |
| 3-4        | 112087  | 20110831      | ALEXANDERS ENDEAVOUR S3F  | 16    | FAIRMONT MINT-EDITION      |                           | 5.33     | 254            | 91                         | NZL              |
| 4-5        | 113024  | 20110801      | BUSY BROOK RAP-ET S3F     | 16    | FAIRMONT MINT-EDITION      | BUSY BROOK AP RANA-ET S2F | 5.33     | 162            | 87                         | NZL              |
| 5-8        | 113054  | 20120720      | MONOWAI FM DEALER S2F     | 15    | FAIRMONT MINT-EDITION      | MONOWAI FROST DOTY-ET S1F | 5.33     | 83             | 70                         | NZL              |
| 6-9        | 113072  | 20120809      | GREENWELL SH BANGER S1F   | 16    | SAVANNAHS HF HAMMER S1F    |                           | 5.32     | 224            | 96                         | NZL              |
| 7-6        | 114059  | 20130819      | ARON-AMY AW KINETIC S3F   | 16    | AUAI HERO WARRIOR S3F      | ARON-AMY FME KATE S2F     | 5.32     | 180            | 86                         | NZL              |
| 8-7        | 116062  | 20150811      | CHARLTONS HF FAME-ET S2F  | 16    | HAZEL DAUNTLESS FREEDOM    |                           | 5.31     | 123            | 84                         | NZL              |
| 9-3        | 114089  | 20130804      | MOSSOPS GB PLAYMAKER      | 16    | GREENWELL TF BLITZ-ET S3F  |                           | 5.31     | 200            | 86                         | NZL              |
| 10-10      | 114049  | 20130725      | SCOTTS FI DUSKY S3F       | 16    | FARSHIDE M ILLUSTRIOUS S3F | SCOTTS RODE DASHA S3F     | 5.31     | 203            | 87                         | NZL              |

Protein BV

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                        | Breed | Name Of Sire              | Name Of Dam               | Protein BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|-----------------------------|-------|---------------------------|---------------------------|------------|----------------|----------------------------|------------------|
| 1-1        | 112080  | 20110728      | MAIRE MINT FIRE-UP          | 16    | FAIRMONT MINT-EDITION     | MAIRE OMAN FIRE           | 60.8       | 138            | 97                         | NZL              |
| 2-2        | 117015  | 20160805      | DICKSONS GF GO-GETTER-ET    | 16    | GREENWELL SB FORAY-ET S3F | LIGHTBURN IGN GRETA-ET    | 56.5       | 213            | 77                         | NZL              |
| 3-3        | 115013  | 20140809      | SCOTTS HDF DAYTONA-ET**     | 16    | HAZEL DAUNTLESS FREEDOM   | SCOTTS FAR DELITE-ET S3F  | 55.3       | 79             | 85                         | NZL              |
| 4-4        | 115500  | 20140311      | ROYSON MACCA CORBY-ET S2F   | 16    | MARCHEL FIRE MACCA-OC S2F | ROYSON MON CYNTHIA-ET S3F | 53.9       | 55             | 82                         | NZL              |
| 5-6        | 115085  | 20140720      | GREENWELL RT FANG-ET S2F    | 16    | RABARTS TF TOP DOG S2F    |                           | 53.7       | 116            | 86                         | NZL              |
| 6-5        | 118507  | 20170730      | RIVENDELL MFU SCOTCH        | 16    | MAIRE MINT FIRE-UP        | RIVENDELL JUSTICE SUZY    | 53.7       | 123            | 47                         | NZL              |
| 7-7        | 115125  | 20140731      | BUSY BROOK SB MUSE-ET S3F** | 16    | SPRING TRALEE BOSS-ET S3F | HAZEL BE MATRIXA S3F      | 53.2       | 189            | 88                         | NZL              |
| 8-8        | 115081  | 20140619      | ALLSTAR WM SUPERB-ET S3F    | 16    | WOODCOTE TF MAXIMISER     | ALLSTAR KDP SAIGE-RR S2F  | 53.1       | 104            | 84                         | NZL              |
| 9-9        | 117084  | 20160712      | LIGHTBURN MH RETRO-ET S2F   | 16    | MOURNE GROVE HOTHOUSE S2F | LIGHTBURN IGN RISE-ET S3F | 52.6       | 158            | 78                         | NZL              |
| 10 -       | 116007  | 20150614      | VALDEN ML DANIEL-ET S1F     | 16    | MORRIS TF LAMONT S1F      | VALDEN OVATION DIXIE S3F  | 52.0       | 181            | 84                         | NZL              |

Protein %

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                      | Breed | Name Of Sire              | Name Of Dam               | Protein % BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|---------------------------|-------|---------------------------|---------------------------|--------------|----------------|----------------------------|------------------|
| 1-1        | 115060  | 20140729      | TELESIS GB HIGH TIME S2F  | 16    | GREENWELL MD BRUTUS S3F   | TELESIS HAMMER HEIDI S1F  | 4.25         | 90             | 94                         | NZL              |
| 2-3        | 113072  | 20120809      | GREENWELL SH BANGER S1F   | 16    | SAVANNAHS HF HAMMER S1F   |                           | 4.24         | 224            | 96                         | NZL              |
| 3-2        | 117057  | 20160804      | MAIRE GL GRADUATE-ET      | 16    | GORDONS AM LANCELOT S3F   | LIGHTBURN F M I GRACIE-ET | 4.23         | 198            | 77                         | NZL              |
| 4-4        | 119103  | 20180804      | MEANDER AB ABLAZE-ET S2F  | 16    | ARKAN MGH BACKDROP-ET S2F | MEANDER INCA AVRIL-ET S3F | 4.22         | 163            | 45                         | NZL              |
| 5-5        | 115087  | 20140817      | GREENWELL EO FEARLESS S3F | 16    | EDWARDS BANQ OVATION S3F  |                           | 4.22         | -11            | 85                         | NZL              |
| 6-7        | 121050  | 20200306      | CAVALIER MA DIACK-ET S2F  | 15    | MEANDER SB ARROW-ET S2F   |                           | 4.21         | 187            | 38                         | NZL              |
| 7-6        | 118051  | 20170714      | GREENWELL DM ALCATRAZ S1F | 16    | DICKSONS BG MANDATE S1F   |                           | 4.21         | 136            | 44                         | NZL              |
| 8-10       | 117038  | 20160907      | TANGLEWOOD GL HARDY       | 16    | GORDONS AM LANCELOT S3F   | TANGLEWOOD BLITZ RAIN     | 4.20         | 202            | 78                         | NZL              |
| 9-9        | 118062  | 20170812      | TELESIS DM SHOWTIME S1F   | 16    | DICKSONS BG MANDATE S1F   | TELESIS HAMMER HEIDI S1F  | 4.20         | 161            | 46                         | NZL              |
| 10-8       | 116101  | 20150919      | TELESIS ML HASHTAG S1F    | 16    | MORRIS TF LAMONT S1F      | TELESIS THADIUS STEPH S3F | 4.19         | 131            | 87                         | NZL              |

**Udder Overall BV**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                     | Breed | Name Of Sire                | Name Of Dam                 | Udder Overall BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|--------------------------|-------|-----------------------------|-----------------------------|------------------|----------------|----------------------------|------------------|
| 1-1        | 114743  | 20120617      | CROTEAU LESPERRON UNIX   | 16    | AMIGHETTI NUMERO UNO        | REGAN-ALH DOMAIN DAYA-ET    | 1.89             | -95            | 86                         | CAN              |
| 2-2        | 115857  | 20130220      | STANTONS HIGH OCTANE     | 16    | DE-SU BKM MCCUTCHEN 1174-ET | MS CHASSITY OBS CLAIRE-ET   | 1.82             | -115           | 79                         | CAN              |
| 3-3        | 120675  | 20140418      | VEKIS DG POPEYE          | 16    | DE-SU 11236 BALISTO-ET      | VEKIS PAIGE                 | 1.80             | -27            | 61                         | NLD              |
| 4-4        | 114734  | 20120930      | LADYS-MANOR DURBIN-ET    | 16    | DE-SU BKM MCCUTCHEN 1174-ET | LADYS-MANOR ALLANAS DORA-ET | 1.76             | -97            | 77                         | USA              |
| 5-5        | 118858  | 20140105      | LARCREST COLLUDE-ET      | 16    | DE-SU 11236 BALISTO-ET      | LARCREST CABOODLE           | 1.76             | -69            | 61                         | USA              |
| 6-6        | 116904  | 20140622      | OCN RODGERS FRANCHISE-ET | 16    | DE-SU LTM RODGERS 11379-ET  | OCN MOGUL FREE WILLY        | 1.75             | -35            | 61                         | USA              |
| 7-7        | 115894  | 20121107      | CLAYNOOK DICTION         | 16    | MOUNTFIELD SSI DCY MOGUL-ET | OCN PLANET DIAMOND-ET       | 1.75             | -92            | 53                         | CAN              |
| 8-9        | 116584  | 20141029      | WESSELCREST LONDON-ET    | 16    | BACON-HILL MONTROSS-ET      | WESSELCREST GRAFET LAKIN-ET | 1.72             | -69            | 61                         | USA              |
| 9-8        | 117913  | 20150521      | FESTIVAL                 | 16    | ZAHBULLS ALTA1STCLASS-ET    | MB 133 133                  | 1.71             | -60            | 42                         | DEU              |
| 10-10      | 114735  | 20120712      | SEAGULL-BAY ROWDY-ET     | 16    | MOUNTFIELD SSI DCY MOGUL-ET | AMMON-PEACHEY SHAUNA ET     | 1.71             | -105           | 89                         | USA              |

**Heifer Calving Difficulty BV**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                       | Breed | Name Of Sire                | Name Of Dam                | Heifer Calving Difficulty BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|----------------------------|-------|-----------------------------|----------------------------|------------------------------|----------------|----------------------------|------------------|
| 1-1        | 112531  | 20110729      | TRALEE TOR GALATEA-ET      | 16    | TRALEE O RAINMAN-ET S3F     | LIGHTBURN GUARANTISE-ET    | -2.87                        | 11             | 93                         | NZL              |
| 2-2        | 114748  | 20121122      | COASTAL-VIEW MOOKIE-ET     | 16    | MOUNTFIELD SSI DCY MOGUL-ET | GENIE-J OBSERVER MEG-ET    | -2.77                        | 51             | 93                         | USA              |
| 3-3        | 114744  | 20110703      | ROYLANE BOOKEM BOB S170-ET | 16    | DE-SU 521 BOOKEM-ET         | SEAGULL-BAY OMAN MIRROR ET | -2.30                        | 90             | 92                         | USA              |
| 4-4        | 112035  | 20110730      | CARSONS MECCA PULSE S1F    | 16    | O'NEILLS ELSTO MECCA S1F    |                            | -1.97                        | 208            | 98                         | NZL              |
| 5-5        | 116036  | 20150723      | ARKAN MGH BACKDROP-ET S2F  | 15    | MOURNE GROVE HOTHOUSE S2F   | ARKAN FME BUSTLE-ET S2F    | -1.77                        | 185            | 91                         | NZL              |
| 6-7        | 112002  | 20110719      | KOKICH TR SETTLER S1F      | 15    | TRALEE PF RESOLUTE-ET S1F   |                            | -1.70                        | 67             | 85                         | NZL              |
| 7-8        | 118078  | 20170915      | MEANDER AB RAPTOR S2F      | 16    | ARKAN MGH BACKDROP-ET S2F   | MEANDER HAM RAVEN-ET S1F   | -1.67                        | 144            | 45                         | NZL              |
| 8-6        | 116065  | 20150723      | DICKSONS BG MANDATE S1F    | 16    | BAGWORTH PF GRANDEUR S1F    | DICKSONS CP MARGY S1F      | -1.63                        | 183            | 92                         | NZL              |
| 9-9        | 115582  | 20130527      | CAUDUMER POWERPLAY PP      | 16    | HICKORYMEA PARKER P-ET      | CAUDUMER LOL 305           | -1.63                        | 57             | 89                         | NLD              |
| 10-10      | 119675  | 20170623      | WELCOME GODDARD 3571-ET    | 16    | SYRYCZUK SILVR BLOWTORCH-ET | WELCOME DELTA GOOGLE-ET    | -1.45                        | -51            | 24                         | USA              |

**Cow Calving Difficulty BV**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                      | Breed | Name Of Sire              | Name Of Dam                | Cow Calving Difficulty BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|---------------------------|-------|---------------------------|----------------------------|---------------------------|----------------|----------------------------|------------------|
| 1-1        | 117681  | 20140828      | S-S-I MONTROSS MEGAMAN-ET | 16    | BACON-HILL MONTROSS-ET    | S-S-I MASSEY BRINA 8740-ET | -2.83                     | -2             | 58                         | USA              |
| 2-2        | 119009  | 20180905      | OAKLINE BM KINETIC S2F    | 16    | BOTHWELL WT MAXIMA S2F    | OAKLINE REVITUP KACIE S2F  | -2.31                     | 175            | 41                         | NZL              |
| 3-3        | 118533  | 20170822      | TELESIS HH BRAVO-ET S2F   | 16    | MOURNE GROVE HOTHOUSE S2F | TELESIS BLITZ EBELL S2F    | -2.08                     | 117            | 50                         | NZL              |
| 4-4        | 119102  | 20180807      | YOUNGS PT AUROA S2F       | 15    | PADRUTTS GB TOPNOTCH S2F  |                            | -1.82                     | 139            | 44                         | NZL              |
| 5-5        | 118005  | 20170826      | MARSHALLS MG EVERMORE S2F | 15    | MOORBYS FM GRANITE S2F    |                            | -1.70                     | 116            | 43                         | NZL              |
| 6-6        | 114040  | 20130717      | GREENWELL RS BONDI-ET S1F | 16    | ROS MHOR TEF SHADOW S1F   | GREENWELL BLOSSOM          | -1.60                     | 103            | 86                         | NZL              |
| 7-7        | 114065  | 20130723      | BELFIELDS GB CASCADE S3F  | 16    | GREENWELL TF BLITZ-ET S3F |                            | -1.59                     | 87             | 85                         | NZL              |
| 8-8        | 114013  | 20130820      | BARRHILL EO TONKA S2F     | 15    | EDWARDS BANQ OVATION S3F  |                            | -1.57                     | 19             | 85                         | NZL              |
| 9-9        | 114560  | 20130825      | RIVENDELL ECHO FLINTY     | 16    | DELTOP TEF ECHO           | RIVENDELL FME FERN         | -1.52                     | 70             | 85                         | NZL              |
| 10-10      | 112010  | 20110729      | TRALEE BK TRIGGER-ET S2F  | 16    | BAGWORTH MA KATAPULT      | TRALEE 09-80-ET S1F        | -1.45                     | 18             | 85                         | NZL              |

**Fertility BV (Overseas Bulls)**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                     | Breed | Name Of Sire                 | Name Of Dam                 | Fertility BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|--------------------------|-------|------------------------------|-----------------------------|--------------|----------------|----------------------------|------------------|
| 1-1        | 118671  | 20120113      | ROHORST PIONEER RF       | 16    | J & G MALANDO                | ROH 7                       | 2.65         | -78            | 50                         | NLD              |
| 2 - 2      | 118590  | 20150605      | DELTA SANDER P           | 16    | DELTA JESTER                 | NOOR                        | 2.59         | -10            | 45                         | NLD              |
| 3-7        | 115582  | 20130527      | CAUDUMER POWERPLAY PP    | 16    | HICKORYMEA PARKER P-ET       | CAUDUMER LOL 305            | 2.38         | 57             | 89                         | NLD              |
| 4-3        | 120674  | 20131107      | VH SUAREZ SPARKY         | 16    | VH ANDERSTRUP SUPER SUAREZ   |                             | 2.18         | -74            | 55                         | DNK              |
| 5-4        | 116746  | 20140821      | ROCKYMOUNTAIN PRESENT    | 16    | RICHMOND-FD EL BOMBERO-ET    | WELCOME MOGUL PATTS-        | 2.05         | -80            | 79                         | CAN              |
| 6-6        | 119670  | 20140226      | MOUNTFIELD JBR MOZAIC-ET | 16    | COYNE-FARMS JABIR-ET         | MOUNTFIELD SHMRK MEMPHIS    | 1.87         | -20            | 53                         | USA              |
| 7 -        | 116912  | 20140628      | NO-FLA MERIT-ET          | 16    | NO-FLA ALTAGENUITY-ET        | NO-FLA GREATEST 33143-ET    | 1.84         | -138           | 72                         | USA              |
| 8-5        | 117590  | 20150209      | PEAK CHUCK               | 16    | COGENT SUPERSHOT BLF BYF CVF | BRYHILL RANSOM MARQUISSE-ET | 1.67         | -15            | 81                         | USA              |
| 9-8        | 114593  | 20120811      | HORST TOPGUN             | 16    | PONSSTAR SHOGUN              | HORST LIZA 173              | 1.58         | 62             | 63                         | NLD              |
| 10 -       | 116586  | 20140929      | CRV DELTA TRIBUTANT      | 16    | TEXEL BEAUTY DEBUTANT        | 718 LIESIE                  | 1.34         | -223           | 52                         | NLD              |

**Fat BV (Overseas Bulls)**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                        | Breed | Name Of Sire                | Name Of Dam                 | Fat BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|-----------------------------|-------|-----------------------------|-----------------------------|--------|----------------|----------------------------|------------------|
| 1-1        | 117908  | 20150626      | WELCOME SILVER GRIFF-ET     | 16    | SEAGULL-BAY SILVER-ET       | WELCOME SUPERSIRE GALES-ET  | 71.1   | 168            | 66                         | USA              |
| 2 -        | 117946  | 20150407      | AOT SILVER HELIX-ET         | 16    | SEAGULL-BAY SILVER-ET       | COOKIECUTTER SSIRE HAS-ET   | 65.8   | 60             | 58                         | USA              |
| 3-2        | 119685  | 20150812      | DE-SU 13050 SPECTRE-ET      | 16    | WOODCREST MOGUL YODER-ET    | DE-SU SUPERSIRE 3349-ET     | 63.3   | 62             | 59                         | USA              |
| 4-5        | 117902  | 20150826      | AOT SILVER HITEST 5945-ET   | 16    | SEAGULL-BAY SILVER-ET       | COOKIECUTTER SSIRE HAS-ET   | 49.4   | 57             | 79                         | USA              |
| 5 -        | 117976  | 20150410      | MELARRY JOSUPER FRAZZLED-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | MELARRY SHOTGLASS FRAZZLE   | 49.0   | 62             | 54                         | USA              |
| 6-3        | 118707  | 20130508      | APRILDAY EQUINOX 654-ET     | 16    | SEAGULL-BAY SUPERSIRE-ET    | RI-VAL-RE SOTO ERIN-P-ET    | 49.0   | 70             | 52                         | USA              |
| 7-7        | 120677  | 20180427      | ROSY-TREE AVATAR-ET         | 16    | ABS ACHIEVER-ET             | ROSYLANE-LLC DELTA 10090-ET | 48.5   | 49             | 22                         | USA              |
| 8-6        | 114748  | 20121122      | COASTAL-VIEW MOOKIE-ET      | 16    | MOUNTFIELD SSI DCY MOGUL-ET | GENIE-J OBSERVER MEG-ET     | 47.9   | 51             | 93                         | USA              |
| 9-8        | 120586  | 20150706      | PEAK HOTLINE-ET             | 16    | GLEN-D-HAVEN ALTAHOTROD     | J-MOR MOGUL HOSTICE-ET      | 47.5   | 13             | 55                         | USA              |
| 10-10      | 116724  | 20110220      | S-S-I ROBUST BIGGIO-ET      | 16    | ROYLANE SOGRA ROBUST ET     | OLMAR PLANET BABY BB        | 46.5   | -7             | 88                         | USA              |

**Protein BV (Overseas Bulls)**

| Rank<br>↑↓ | AB Code | Date Of Birth | Name                        | Breed | Name Of Sire                | Name Of Dam                  | Protein BV | Breeding Worth | Breeding Worth Reliability | Country Of Birth |
|------------|---------|---------------|-----------------------------|-------|-----------------------------|------------------------------|------------|----------------|----------------------------|------------------|
| 1 -        | 120715  | 20150501      | S-S-I JOSUPER ROCKETFIRE-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | S-S-I STRLING TAYLOR 8728-ET | 50.2       | 56             | 47                         | USA              |
| 2-1        | 116703  | 20110409      | SANDY VALLEY SALOON-ET      | 16    | REGANCREST ALTAIOTA-ET      | SANDY-VALLEY PLANE SAPPHIRE  | 49.9       | -50            | 77                         | USA              |
| 3-2        | 116724  | 20110220      | S-S-I ROBUST BIGGIO-ET      | 16    | ROYLANE SOGRA ROBUST ET     | OLMAR PLANET BABY BB         | 48.9       | -7             | 88                         | USA              |
| 4-3        | 117901  | 20110407      | SANDY VALLEY SUTTON ET      | 16    | ROYLANE SOGRA ROBUST ET     | SANDY-VALLEY PLANE SAPPHIRE  | 44.9       | -64            | 77                         | USA              |
| 5-4        | 114744  | 20110703      | ROYLANE BOOKEM BOB S170-ET  | 16    | DE-SU 521 BOOKEM-ET         | SEAGULL-BAY OMAN MIRROR ET   | 44.7       | 90             | 92                         | USA              |
| 6-7        | 117908  | 20150626      | WELCOME SILVER GRIFF-ET     | 16    | SEAGULL-BAY SILVER-ET       | WELCOME SUPERSIRE GALES-ET   | 44.5       | 168            | 66                         | USA              |
| 7-5        | 119759  | 20170522      | DE-SU 14222 KENOBI-ET       | 16    | S-S-I MONTROSS JEDI-ET      | DE-SU SPRING S197-ET         | 44.4       | 17             | 40                         | USA              |
| 8-6        | 113584  | 20110612      | LOWLANDS QUEST              | 16    | DELTA BRILLIANT             | DESIBON 6                    | 42.2       | 15             | 89                         | NLD              |
| 9 -        | 117911  | 20140515      | S-S-I MONTROSS JETT-ET      | 16    | BACON-HILL MONTROSS-ET      | S-S-I SUPRSIRE MIRI 8679-ET  | 41.9       | -50            | 66                         | USA              |
| 10 -       | 120586  | 20150706      | PEAK HOTLINE-ET             | 16    | GLEN-D-HAVEN ALTAHOTROD     | J-MOR MOGUL HOSTICE-ET       | 41.7       | 13             | 55                         | USA              |