



# BULL UPDATE

Top Holstein Friesian bulls from

**18 August 2023 AE Run**

(BW Bull File)

**Top 50 BW Holstein Friesian Bulls with a BW Reliability 70% or above as at 18/08/2023**  
**NB: Not all overseas bulls are enrolled in NZAEL, this list only includes those that are enrolled.**

| Rank*<br>↑↓ | AB Code | Name                         | Breeding |       |             |           | Country<br>Of Birth | Marketer             |
|-------------|---------|------------------------------|----------|-------|-------------|-----------|---------------------|----------------------|
|             |         |                              | Breed    | Worth | Reliability | A2 status |                     |                      |
| 1-1         | 118772  | WESTCOAST ALCOVE             | 16       | 488   | 88          | A2A2      | CAN                 | Semex N.Z. Limited   |
| 2-2         | 119048  | RIVERBANK BBL STATION S1F    | 15       | 451   | 93          | A2A2      | NZL                 | LIC                  |
| 3-3         | 119002  | BELLAMYS DM GALANT-ET S1F    | 16       | 426   | 94          | A2A2      | NZL                 | LIC                  |
| 4-4         | 118001  | WAIMATA SB RANSOM-ET S2F     | 16       | 424   | 98          | A2A2      | NZL                 | LIC                  |
| 5-6         | 119069  | MEANDER HF ASCEND-ET S3F     | 16       | 397   | 87          | A1A2      | NZL                 | LIC                  |
| 6-5         | 117561  | MEANDER SB ALIAS-ET S2F      | 15       | 397   | 91          | A1A1      | NZL                 | CRV                  |
| 7-8         | 119016  | MONTE VISTA TP MARINE S2F    | 16       | 389   | 83          | A2A2      | NZL                 | LIC                  |
| 8-7         | 119098  | PRATTLEYS LR VIVID-ET S2F    | 15       | 383   | 84          | A2A2      | NZL                 | LIC                  |
| 9-9         | 117089  | SPRING RIVER TACTIC S2F      | 15       | 381   | 90          | A1A2      | NZL                 | LIC                  |
| 10-10       | 118564  | NOBLE PULSE ARSENAL S1F      | 16       | 375   | 86          | A1A1      | NZL                 | Liberty Genetics Ltd |
| 11-12       | 117015  | DICKSONS GF GO-GETTER-ET     | 16       | 370   | 89          | A2A2      | NZL                 | LIC                  |
| 12-22       | 119035  | TAFTS RHR ORDAIN S3F         | 16       | 361   | 89          | A2A2      | NZL                 | LIC                  |
| 13-13       | 119024  | WOODCOTE LANDLORD-ET S2F**   | 16       | 360   | 85          | A1A2      | NZL                 | LIC                  |
| 14-28       | 118053  | GREENWELL GR GOVERNOR S1F    | 16       | 357   | 98          | A2A2      | NZL                 | LIC                  |
| 15-14       | 119096  | TRONNOCO MG SPEROS-ET        | 16       | 356   | 87          | A2A2      | NZL                 | LIC                  |
| 16-19       | 117038  | TANGLEWOOD GL HARDY          | 16       | 355   | 89          | A1A2      | NZL                 | LIC                  |
| 17-18       | 115012  | PORTERS ZP PROMISE-ET S2F    | 15       | 353   | 92          | A2A2      | NZL                 | LIC                  |
| 18-17       | 119018  | PEMBERTON MA POTION S2F      | 16       | 352   | 91          | A1A2      | NZL                 | LIC                  |
| 19-20       | 119041  | ROYSON MG CURRENCY S3F       | 16       | 351   | 90          | A2A2      | NZL                 | LIC                  |
| 20-24       | 117018  | KLAUS KJ WORLDCLASS S2F      | 16       | 348   | 97          | A1A2      | NZL                 | LIC                  |
| 21-16       | 116523  | AMBZED GRAND LENNAN S1F      | 15       | 348   | 93          | A2A2      | NZL                 | CRV                  |
| 22-21       | 119049  | WITTENHAM MG ALPINE S2F      | 15       | 347   | 92          | A2A2      | NZL                 | LIC                  |
| 23-15       | 119014  | BUELIN BM EQUATOR S2F        | 16       | 347   | 90          | A1A2      | NZL                 | LIC                  |
| 24-23       | 119080  | BUSY BROOK MAX BIGGIE S2F    | 15       | 345   | 82          | A1A2      | NZL                 | LIC                  |
| 25-25       | 118052  | GREENWELL MH CANYON S2F      | 15       | 343   | 86          | A1A2      | NZL                 | LIC                  |
| 26-30       | 118070  | TAFTS GR SUPERVISOR S1F      | 16       | 343   | 98          | A2A2      | NZL                 | LIC                  |
| 27-26       | 118039  | HARLAW AB DICTATOR S3F       | 15       | 342   | 89          | A1A2      | NZL                 | LIC                  |
| 28-39       | 117083  | BUSY BROOK HF LYNX-ET S1F    | 16       | 341   | 94          | A1A2      | NZL                 | LIC                  |
| 29-11       | 118856  | ABS JERONIMO-P-ET            | 16       | 340   | 79          | A2A2      | USA                 | Samen (NZ) Ltd       |
| 30-31       | 119034  | TAFTS RHD OFFICER-ET S2F     | 16       | 340   | 88          | A2A2      | NZL                 | LIC                  |
| 31-36       | 117568  | MEANDER SHOT ALIBI-ET S3F*** | 16       | 339   | 88          | A1A2      | NZL                 | HFNZ/CRV             |
| 32-32       | 119033  | LIGHTBURN FREE RANGE-ET      | 16       | 338   | 89          | A2A2      | NZL                 | LIC                  |
| 33-34       | 117011  | MO SB POINTBLANK S2F         | 15       | 338   | 91          | A2A2      | NZL                 | LIC                  |
| 34-37       | 119605  | MEANDER HF ARTWORK-ET S3F    | 16       | 337   | 86          | A1A2      | NZL                 | Liberty Genetics Ltd |
| 35-33       | 115107  | LIGHTBURN BLADE GUSTO        | 16       | 337   | 98          | A1A2      | NZL                 | LIC                  |
| 36-38       | 118103  | WOODCOTE BG VICTORY S1F      | 16       | 335   | 89          | A2A2      | NZL                 | LIC                  |
| 37-35       | 119019  | PAHIA BG WINDBREAKER S1F     | 16       | 335   | 86          | A2A2      | NZL                 | LIC                  |
| 38-40       | 116091  | PASSMORE EMPIRE VISA S1F     | 16       | 335   | 90          | A2A2      | NZL                 | LIC                  |
| 39-29       | 118104  | WOODCOTE G LOOKOUT-ET S2F**  | 16       | 332   | 92          | A1A2      | NZL                 | LIC                  |
| 40-41       | 116048  | WAITARIA ESTEEM MCCAWE S2F   | 16       | 332   | 90          | A1A2      | NZL                 | LIC                  |
| 41-46       | 119039  | GREENWELL AB BRAZE-ET S2F    | 16       | 331   | 90          | A2A2      | NZL                 | LIC                  |
| 42-42       | 115551  | AMBZED REVITUP FONZIE S2F    | 15       | 331   | 96          | A2A2      | NZL                 | Liberty Genetics Ltd |
| 43-43       | 114024  | MONOWAI FI DELTA S2F         | 15       | 329   | 92          | A1A2      | NZL                 | LIC                  |
| 44-27       | 118076  | MEANDER TT FEATURE-ET S2F    | 16       | 328   | 89          | A1A2      | NZL                 | LIC                  |
| 45-48       | 119036  | TAFTS HF OSLOW-ET S3F        | 16       | 326   | 86          | A2A2      | NZL                 | LIC                  |
| 46-45       | 119047  | MAIRE BM JUNGLE S2F          | 16       | 326   | 86          | A1A2      | NZL                 | LIC                  |
| 47-44       | 117084  | LIGHTBURN MH RETRO-ET S2F    | 16       | 325   | 92          | A2A2      | NZL                 | LIC                  |
| 48-47       | 118683  | SANDY-VALLEY ICARUS-ET       | 16       | 325   | 88          | A2A2      | USA                 | Semex N.Z. Limited   |
| 49-50       | 117057  | MAIRE GL GRADUATE-ET         | 16       | 324   | 97          | A1A1      | NZL                 | LIC                  |
| 50 -        | 119004  | IONIC GB CLUEDO S1F          | 16       | 324   | 88          | A1A2      | NZL                 | LIC                  |

\* Movement in rank: the first number represents the bull's rank as of the latest AE Run (18/08/2023). The second number shows where the bull ranked in the previous AE Run (28/07/2023). If there is no second number, the bull is new to the top 50/top 10 list.

\*\* HFNZ/LIC Discovery Project

\*\*\* HFNZ/CRV Holstein Friesian Genetic Leaders

**Top 50 BW Holstein Friesian Bulls with a BW Reliability below 70% as at 18/08/2023**  
**NB: Not all overseas bulls are enrolled in NZAEL, this list only includes those that are enrolled.**

| Rank*<br>↑↓ | AB Code | Name                           | Breeding |       |             |           | Country<br>Of Birth | Marketer           |
|-------------|---------|--------------------------------|----------|-------|-------------|-----------|---------------------|--------------------|
|             |         |                                | Breed    | Worth | Reliability | A2 status |                     |                    |
| 1-1         | 122808  | MR RI-VAL-RE FREE BILLY-ET     | 16       | 451   | 50          | A2A2      | USA                 | Samen (NZ) Ltd     |
| 2-2         | 123001  | PAYNES GADSBY ELECTRIFY S1F    | 16       | 431   | 21          |           | NZL                 | LIC                |
| 3-7         | 123004  | PAYNES GADSBY ENTOURAGE S1F    | 16       | 419   | 21          |           | NZL                 | LIC                |
| 4-4         | 123002  | PAYNES GADSBY ELEMENT S1F      | 16       | 415   | 21          |           | NZL                 | LIC                |
| 5-5         | 121046  | BELLAMYS RS GADSBY-ET S1F      | 16       | 415   | 36          | A2A2      | NZL                 | LIC                |
| 6-6         | 120749  | SILVERRIDGE V EINSTEIN         | 16       | 411   | 49          | A2A2      | CAN                 | Semex N.Z. Limited |
| 7-8         | 123087  | BUSYBROOK S SMOKIN GUN-ET S1F  | 16       | 393   | 23          |           | NZL                 | LIC                |
| 8-13        | 123509  | MURITAI END WIRELESS-ET S3F    | 16       | 393   | 16          | A1A2      | NZL                 | CRV                |
| 9-10        | 122009  | DICKSONS RS MARLIN-ET S1F**    | 16       | 390   | 35          | A2A2      | NZL                 | LIC                |
| 10-11       | 121004  | GORDONS S HERCULES-ET S1F      | 16       | 388   | 38          | A1A2      | NZL                 | LIC                |
| 11-12       | 123079  | MEANDER SPYRO ACCORD-ET S1F    | 16       | 387   | 23          |           | NZL                 | LIC                |
| 12-9        | 122044  | MEANDER FINN ALASKA-ET S1F     | 16       | 382   | 30          | A2A2      | NZL                 | LIC                |
| 13-14       | 122675  | DENOVO 15897 BOULEVARD ET      | 16       | 381   | 22          | A2A2      | USA                 | Samen (NZ) Ltd     |
| 14-40       | 120073  | MEANDER TS ALLOY-ET S1F        | 16       | 381   | 50          | A1A2      | NZL                 | LIC                |
| 15-15       | 123064  | MEANDER WR LIEUTENANT-ET S2F   | 16       | 378   | 36          |           | NZL                 | LIC                |
| 16 -        | 120762  | DENOVO 7921 ATRIUM-ET          | 16       | 378   | 54          | A2A2      | USA                 | Samen (NZ) Ltd     |
| 17-3        | 119793  | PROGENESIS WIMBLEDON           | 16       | 374   | 57          | A2A2      | CAN                 | Semex N.Z. Limited |
| 18-17       | 121015  | MATTAJUDE BG MANU-ET S1F       | 16       | 372   | 39          | A2A2      | NZL                 | LIC                |
| 19-18       | 121016  | MATTAJUDE BG HYDRO-ET S1F      | 16       | 371   | 39          | A1A2      | NZL                 | LIC                |
| 20-20       | 121085  | INVERNIA RS HUNTER S1F         | 16       | 368   | 35          | A1A2      | NZL                 | LIC                |
| 21-16       | 122079  | OAKLINE FINN EQUINOX S1F       | 16       | 368   | 24          | A2A2      | NZL                 | LIC                |
| 22 -        | 121798  | ABS ACHIEVER-ET                | 16       | 364   | 59          | A2A2      | USA                 | Samen (NZ) Ltd     |
| 23-24       | 122053  | MEANDER GALANT AVENGER-ET S1F  | 16       | 363   | 37          |           | NZL                 | LIC                |
| 24-23       | 123005  | PAYNES MJ PROTECTIVE-ET S2F    | 16       | 362   | 23          |           | NZL                 | LIC                |
| 25-22       | 123069  | MEANDER ROYALE ATTLEY S1F      | 15       | 361   | 28          |           | NZL                 | LIC                |
| 26-36       | 121698  | DENOVO 15973 BALTIC-ET         | 16       | 361   | 21          | A2A2      | USA                 | Samen (NZ) Ltd     |
| 27-19       | 122085  | HAZEL BE OPTIMUM-ET S2F        | 16       | 360   | 34          |           | NZL                 | LIC                |
| 28-31       | 123028  | MATTAJUDE SRS WHITTAKER-ET S1F | 16       | 360   | 21          | A2A2      | NZL                 | LIC                |
| 29-21       | 121053  | BUSYBROOK BE IMPLY-ET S2F      | 16       | 360   | 35          | A1A2      | NZL                 | LIC                |
| 30-33       | 123030  | MATTAJUDE SPYRO HOUSTON-ET S1F | 16       | 359   | 21          |           | NZL                 | LIC                |
| 31-34       | 123037  | MATTAJUDE SPYRO THORN-ET S1F   | 16       | 359   | 21          |           | NZL                 | LIC                |
| 32-25       | 123003  | PAYNES MJ PROVISION-ET S2F     | 16       | 358   | 23          |           | NZL                 | LIC                |
| 33-27       | 123092  | AUAHI RANSOM LAGOS-ET S2F      | 16       | 358   | 38          |           | NZL                 | LIC                |
| 34-26       | 123551  | MURITAI REN WAISAKE S3F***     | 16       | 356   | 23          | A1A2      | NZL                 | HFNZ/CRV           |
| 35-32       | 123075  | MEANDER GADSBY ATTILLA S1F     | 16       | 355   | 23          |           | NZL                 | LIC                |
| 36-37       | 121037  | BALANTIS LG TARZAN S2F         | 15       | 354   | 40          | A2A2      | NZL                 | LIC                |
| 37-30       | 121010  | DICKSONS PV MAINACT S2F        | 16       | 354   | 34          |           | NZL                 | LIC                |
| 38-41       | 121092  | PRATTLEYS RS IDEALIST S1F      | 15       | 352   | 36          |           | NZL                 | LIC                |
| 39 -        | 120035  | MAH SUPER STARDUST S1F         | 16       | 351   | 44          | A2A2      | NZL                 | LIC                |
| 40-42       | 123029  | MATTAJUDE MJ BRAZEN-ET S2F     | 16       | 350   | 20          |           | NZL                 | LIC                |
| 41-43       | 123026  | MATTAJUDE MJ COURAGE-ET S2F    | 16       | 350   | 20          |           | NZL                 | LIC                |
| 42-28       | 122008  | DICKSONS FINN MINDSET-ET S1F   | 16       | 350   | 23          |           | NZL                 | LIC                |
| 43-45       | 123506  | BUSYBROOK A BUTTERBOX S2F      | 16       | 350   | 36          | A2A2      | NZL                 | CRV                |
| 44-44       | 123093  | WELLS RIDGE J ODYSSEY-ET S2F   | 15       | 349   | 20          |           | NZL                 | LIC                |
| 45-46       | 123014  | MANATU MANU MITIGATE S1F       | 16       | 349   | 21          |           | NZL                 | LIC                |
| 46-35       | 122056  | MAH FINN SAGE-ET S1F           | 16       | 349   | 23          |           | NZL                 | LIC                |
| 47 -        | 123008  | PAYNES SAQUOON PATRON S2F      | 16       | 349   | 22          |           | NZL                 | LIC                |
| 48-39       | 121074  | DICKSONS RS MAHI-ET S1F        | 16       | 349   | 37          |           | NZL                 | LIC                |
| 49-38       | 122523  | DARNLEY LEN TUATAHI S1F        | 16       | 348   | 37          | A2A2      | NZL                 | CRV                |
| 50 -        | 121062  | CHISHOLM BROKER S1F            | 15       | 348   | 37          |           | 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 18/08/2023 AE Run

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

|                              |
|------------------------------|
| Below 70% BW Reliability     |
| 70% 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        | 118106  | 20170727      | DIACKS GI HEATWAVE S3F    | 16    | GYDELAND EXCEL INCA S3F   |                           | 9.25         | 247            | 89                         | NZL              |
| 2-2        | 114066  | 20130810      | SADDLETONS GB STUNNER S3F | 16    | GREENWELL MD BRUTUS S3F   |                           | 6.85         | 133            | 91                         | NZL              |
| 3-3        | 116033  | 20150807      | BAGWORTH GB DELUXE S3F    | 16    | GREENWELL MD BRUTUS S3F   | BAGWORTH OVAT DAYNA S3F   | 6.59         | 182            | 91                         | NZL              |
| 4-4        | 115531  | 20140809      | AMBZED DANNY BOND S3F     | 16    | BUNGAY OMAN DANNY S3F     | DANO BETH                 | 6.53         | 56             | 87                         | NZL              |
| 5-5        | 118067  | 20170725      | BAGWORTH GI KAISER S3F    | 16    | GYDELAND EXCEL INCA S3F   | BAGWORTH THADIOUS KIP S2F | 6.32         | 151            | 89                         | NZL              |
| 6-6        | 116539  | 20150804      | FARWEST DV WESTERN-ET S1F | 16    | SCOTTS FROST DEVILLE S1F  | FARWEST FME DOLLY S0F     | 6.18         | 145            | 91                         | NZL              |
| 7-7        | 115023  | 20140821      | TANGLEWOOD MT KAURI S2F   | 16    | MITCHELLS WT TYPHOON S2F  | TANGLEWOOD M KORA-RR S3F  | 5.99         | 301            | 96                         | NZL              |
| 8-9        | 116547  | 20150818      | AMBZED STOP SHELDON S1F   | 15    | AMBZED SYMES STOPLITE S1F |                           | 5.84         | 163            | 84                         | NZL              |
| 9-8        | 122670  | 20170920      | PEARTREE BROXTON          | 16    | KIRKBY PANAMA             | PEARTREE HYLKE LADY       | 5.79         | -151           | 18                         | GBR              |
| 10-10      | 117093  | 20160731      | PRATTLEY GI VIGILANTE S2F | 15    | GYDELAND EXCEL INCA S3F   |                           | 5.62         | 165            | 98                         | 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 |
|------------|---------|---------------|------------------------------|-------|------------------------------|-----------------------------|---------|----------------|----------------------------|------------------|
| 1-1        | 122769  | 20170522      | MR T-SPRUCE FRAZZ LIONEL-ET  | 16    | MELARRY JOSUPER FRAZZLED-ET  | NO-FLA MONTROSS 42446-ET    | 2713    | 338            | 53                         | USA              |
| 2-2        | 120715  | 20150501      | S-S-I JOSUPER ROCKETFIRE-ET  | 16    | UECKER SUPERSIRE JOSUPER-ET  | S-S-I STRLNG TAYLOR 8728-ET | 2555    | 261            | 51                         | USA              |
| 3-3        | 118772  | 20161121      | WESTCOAST ALCOVE             | 16    | S-S-I MONTROSS DUKE-ET       | GOLD-N-OAKS MVP ARIA2815-ET | 2367    | 488            | 88                         | CAN              |
| 4-5        | 118535  | 20170728      | RIDDINGTONS G CALVIN S2F     | 16    | BAGWORTH PF GRANDEUR S1F     | KAAHU MOF LCALLUMD S0F      | 2174    | 227            | 87                         | NZL              |
| 5-6        | 116893  | 20130322      | PLAIN-KNOLL DONA BAYONET-ET  | 16    | MR OCD ROBUST DONATELLO-ET   | S-S-I SHAMROCK MING 7380-ET | 2151    | 138            | 84                         | USA              |
| 6-4        | 117911  | 20140515      | S-S-I MONTROSS JETT-ET       | 16    | BACON-HILL MONTROSS-ET       | S-S-I SUPRSIRE MIRI 8679-ET | 2145    | 96             | 70                         | USA              |
| 7-8        | 119501  | 20180803      | LIGHTBURN M G RAYMOND-ET     | 16    | MAIRE MINT GERONIMO          | LIGHTBURN IGN RISE-ET S3F   | 2094    | 273            | 90                         | NZL              |
| 8-7        | 115857  | 20130220      | STANTONS HIGH OCTANE         | 16    | DE-SU BKM MCCUTCHEEN 1174-ET | MS CHASSITY OBS CLAIRE-ET   | 2078    | -69            | 80                         | CAN              |
| 9-9        | 114606  | 20130101      | SANDY-VALLEY GRAND-ET        | 16    | MOUNTFIELD SSI DCY MOGUL-ET  | SANDY-VALLEY IOTA GARNET-ET | 2052    | 51             | 63                         | USA              |
| 10-10      | 115760  | 20130314      | COGENT SUPERSHOT BLF BYF CVF | 16    | SEAGULL-BAY SUPERSIRE-ET     | ROSE SUPERSHOT              | 1997    | 147            | 90                         | NLD              |

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        | 118772  | 20161121      | WESTCOAST ALCOVE            | 16    | S-S-I MONTROSS DUKE-ET      | GOLD-N-OAKS MVP ARIA2815-ET | 97.7   | 488            | 88                         | CAN              |
| 2-2        | 122808  | 20170808      | MR RI-VAL-RE FREE BILLY-ET  | 16    | ABS ACHIEVER-ET             | ENDCO RUBICON COUNTESS-ET   | 94.6   | 451            | 50                         | USA              |
| 3-3        | 122769  | 20170522      | MR T-SPRUCE FRAZZ LIONEL-ET | 16    | MELARRY JOSUPER FRAZZLED-ET | NO-FLA MONTROSS 42446-ET    | 88.8   | 338            | 53                         | USA              |
| 4-4        | 119069  | 20180801      | MEANDER HF ASCEND-ET S3F    | 16    | HAZAEAL DAUNTLESS FREEDOM   | MEANDER BEAM ASH-ET S2F     | 79.0   | 397            | 87                         | NZL              |
| 5 -        | 120762  | 20170703      | DENOVO 7921 ATRIUM-ET       | 16    | ABS ACHIEVER-ET             | PEN-COL DELTA BARB-ET       | 77.5   | 378            | 54                         | USA              |
| 6-6        | 122675  | 20190424      | DENOVO 15897 BOULEVARD ET   | 16    | MR RI-VAL-RE FREE BILLY-ET  | DENOVO MEDLEY 7582-ET       | 75.6   | 381            | 22                         | USA              |
| 7 -        | 121798  | 20151115      | ABS ACHIEVER-ET             | 16    | WOODCREST MOGUL YODER-ET    | COMPASS-TRT AMRCAE J925-ET  | 75.6   | 364            | 59                         | USA              |
| 8-10       | 120749  | 20180418      | SILVERRIDGE V EINSTEIN      | 16    | PROGENESIS TOPNOTCH         | SILVERRIDGE V DUKE EMAIL    | 73.9   | 411            | 49                         | CAN              |
| 9-7        | 119821  | 20180111      | SANDY-VALLEY CREAMER-ET     | 16    | ABS ACHIEVER-ET             | SANDY-VALLEY COKISCREAM-ET  | 73.8   | 298            | 78                         | USA              |
| 10 -       | 121698  | 20190420      | DENOVO 15973 BALTIC-ET      | 16    | MR RI-VAL-RE FREE BILLY-ET  | DENOVO MEDLEY 7507-ET       | 72.3   | 361            | 21                         | USA              |

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        | 117558  | 20160807      | RIDDINGTONS T MAKO            | 16    | WAIU MAX TOMMO S3F         | KAAHU 269 MINTY S0F         | 5.60     | 251            | 87                         | NZL              |
| 2-2        | 117051  | 20160804      | BUSY BROOK SB FORTUNE S2F     | 15    | SAN RAY FM BEAMER-ET S2F   | BUSY BROOK MILL FAY S2F     | 5.54     | 292            | 98                         | NZL              |
| 3-3        | 119047  | 20180727      | MAIRE BM JUNGLE S2F           | 16    | BOTHWELL WT MAXIMA S2F     | MAIRE ME JANICE S2F         | 5.51     | 326            | 86                         | NZL              |
| 4-4        | 114049  | 20130725      | SCOTTS FI DUSKY S3F           | 16    | FARSHIDE M ILLUSTRIOUS S3F | SCOTTS RODE DASHA S3F       | 5.50     | 272            | 93                         | NZL              |
| 5-5        | 122053  | 20210819      | MEANDER GALANT AVENGER-ET S1F | 16    | BELLAMYS DM GALANT-ET S1F  | MEANDER REMEDY APRIL-ET S1F | 5.49     | 363            | 37                         | NZL              |
| 6-6        | 119002  | 20180617      | BELLAMYS DM GALANT-ET S1F     | 16    | DICKSONS BG MANDATE S1F    |                             | 5.47     | 426            | 94                         | NZL              |
| 7-7        | 119013  | 20180730      | TANGLEWOOD MD REEF-ET S1F**   | 16    | DICKSONS BG MANDATE S1F    | TANGLEWOOD L RAINE-ET S3F   | 5.46     | 259            | 94                         | NZL              |
| 8-8        | 115039  | 20140914      | SPRING RIVER COSMO-ET S2F     | 16    | WOODCOTE TF MAXIMISER      | RIDGETOP 01-5-RR S1F        | 5.45     | 269            | 92                         | NZL              |
| 9-9        | 121027  | 20200802      | MEANDER TR AMAZON-ET S1F      | 16    | TANGLEWOOD MD REEF-ET S1F  | MEANDER MAXI APRIL-ET S2F   | 5.45     | 275            | 38                         | NZL              |
| 10-10      | 123505  | 20220719      | HILLBRAE L COUNTRYBOY S1F     | 16    | AMBZED GRAND LENNAN S1F    | HILLBRAE RAVEN CORN S3F     | 5.41     | 293            | 39                         | 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        | 119501  | 20180803      | LIGHTBURN M G RAYMOND-ET    | 16    | MAIRE MINT GERONIMO         | LIGHTBURN IGN RISE-ET S3F   | 71.6       | 273            | 90                         | NZL              |
| 2-2        | 119041  | 20180304      | ROYSON MG CURRENCY S3F      | 16    | MAIRE IG GAUNTLET-ET        | ROYSON HOT CYBYL 1-ET S2F   | 65.3       | 351            | 90                         | NZL              |
| 3-3        | 118507  | 20170730      | RIVENDELL MFU SCOTCH***     | 16    | MAIRE MINT FIRE-UP          | RIVENDELL JUSTICE SUZY      | 65.1       | 288            | 90                         | NZL              |
| 4-4        | 118001  | 20170629      | WAIMATA SB RANSOM-ET S2F    | 16    | SPRING TRALEE BASS-ET S2F   | WAIMATA 13-14 S1F           | 64.7       | 424            | 98                         | NZL              |
| 5-5        | 119069  | 20180801      | MEANDER HF ASCEND-ET S3F    | 16    | HAZAEAL DAUNTLESS FREEDOM   | MEANDER BEAM ASH-ET S2F     | 64.5       | 397            | 87                         | NZL              |
| 6-6        | 118535  | 20170728      | RIDDINGTONS G CALVIN S2F    | 16    | BAGWORTH PF GRANDEUR S1F    | KAAHU MOF LCALLUMD S0F      | 64.3       | 227            | 87                         | NZL              |
| 7-8        | 118772  | 20161121      | WESTCOAST ALCOVE            | 16    | S-S-I MONTROSS DUKE-ET      | GOLD-N-OAKS MVP ARIA2815-ET | 63.6       | 488            | 88                         | CAN              |
| 8-7        | 122769  | 20170522      | MR T-SPRUCE FRAZZ LIONEL-ET | 16    | MELARRY JOSUPER FRAZZLED-ET | NO-FLA MONTROSS 42446-ET    | 62.2       | 338            | 53                         | USA              |
| 9-10       | 117015  | 20160805      | DICKSONS GF GO-GETTER-ET    | 16    | GREENWELL SB FORAY-ET S3F   | LIGHTBURN IGN GRETA-ET      | 61.6       | 370            | 89                         | NZL              |
| 10-9       | 120715  | 20150501      | S-S-I JOSUPER ROCKETFIRE-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | S-S-I STRLNG TAYLOR 8728-ET | 61.5       | 261            | 51                         | USA              |

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        | 117038  | 20160907      | TANGLEWOOD GL HARDY           | 16    | GORDONS AM LANCELOT S3F    | TANGLEWOOD BLITZ RAIN       | 4.30         | 355            | 89                         | NZL              |
| 2-2        | 117558  | 20160807      | RIDDINGTONS T MAKO            | 16    | WAIU MAX TOMMO S3F         | KAAHU 269 MINTY S0F         | 4.30         | 251            | 87                         | NZL              |
| 3-3        | 122053  | 20210819      | MEANDER GALANT AVENGER-ET S1F | 16    | BELLAMYS DM GALANT-ET S1F  | MEANDER REMEDY APRIL-ET S1F | 4.28         | 363            | 37                         | NZL              |
| 4-4        | 119002  | 20180617      | BELLAMYS DM GALANT-ET S1F     | 16    | DICKSONS BG MANDATE S1F    |                             | 4.26         | 426            | 94                         | NZL              |
| 5-5        | 118032  | 20170529      | PAYNES LR PACMAN-ET S2F       | 16    | LIGHTBURN IG RANBO-ET S3F  | PAYNES PULSE PAISLEY S1F    | 4.25         | 298            | 89                         | NZL              |
| 6-6        | 121027  | 20200802      | MEANDER TR AMAZON-ET S1F      | 16    | TANGLEWOOD MD REEF-ET S1F  | MEANDER MAXI APRIL-ET S2F   | 4.24         | 275            | 38                         | NZL              |
| 7-8        | 119013  | 20180730      | TANGLEWOOD MD REEF-ET S1F**   | 16    | DICKSONS BG MANDATE S1F    | TANGLEWOOD L RAINE-ET S3F   | 4.23         | 259            | 94                         | NZL              |
| 8-7        | 115060  | 20140729      | TELESIS GB HIGH TIME S2F      | 16    | GREENWELL MD BRUTUS S3F    | TELESIS HAMMER HEIDI S1F    | 4.23         | 116            | 98                         | NZL              |
| 9 -        | 121032  | 20200728      | MEANDER TR ALADDIN-ET S1F     | 16    | TANGLEWOOD MD REEF-ET S1F  | MEANDER BEAM ASH-ET S2F     | 4.22         | 329            | 42                         | NZL              |
| 10-10      | 114049  | 20130725      | SCOTTS FI DUSKY S3F           | 16    | FARSHIDE M ILLUSTRIOUS S3F | SCOTTS RODE DASHA S3F       | 4.22         | 272            | 93                         | 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        | 120675  | 20140418      | VEKIS DG POPEYE          | 16    | DE-SU 11236 BALISTO-ET      | VEKIS PAIGE               | 1.92             | 73             | 60                         | NLD              |
| 2-2        | 115857  | 20130220      | STANTONS HIGH OCTANE     | 16    | DE-SU BKM MCCUTCHEN 1174-ET | MS CHASSITY OBS CLAIRE-ET | 1.88             | -69            | 80                         | CAN              |
| 3-3        | 118902  | 20150603      | FARNEAR DELTA-LAMBDA-ET  | 16    | MR MOGUL DELTA 1427-ET      | EDG LORETTE UNO 2198-ET   | 1.82             | 147            | 69                         | USA              |
| 4-5        | 120783  | 20170607      | NARUTO                   | 16    | IHG MONTANA-ET              | LATINEUSE                 | 1.82             | 212            | 56                         | FRA              |
| 5-7        | 121682  | 20181009      | PROGENESIS RADEZTKY      | 16    | SANDY-VALLEY CHALLENGER-ET  | OCD LEGENDARY RAE-ET      | 1.74             | 194            | 22                         | CAN              |
| 6-6        | 115581  | 20130408      | BARNKAMPER MONROVIA      | 16    | MOUNTFIELD SSI DCY MOGUL-ET | BARNKAMPER MARILYN 3      | 1.73             | -58            | 88                         | NLD              |
| 7-9        | 121694  | 20181019      | LARCREST COMMITMENT-ET   | 16    | LARCREST B COMPLETE-ET      | LARCREST CUSTODY-ET       | 1.71             | 292            | 39                         | USA              |
| 8 -        | 121763  | 20171214      | NACASH                   | 16    | ENDCO SUPERHERO-ET          | FUSTEAD RUBICON LAVON-ET  | 1.71             | 251            | 55                         | FRA              |
| 9-10       | 116904  | 20140622      | OCD RODGERS FRANCHISE-ET | 16    | DE-SU LTM RODGERS 11379-ET  | OCD MOGUL FREE WILLY      | 1.70             | 111            | 82                         | USA              |
| 10 -       | 118858  | 20140105      | LARCREST COLLUDE-ET      | 16    | DE-SU 11236 BALISTO-ET      | LARCREST CABOODLE         | 1.70             | 36             | 87                         | 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        | 118937  | 20150512      | WESTCOAST PERSEUS         | 16    | SANDY-VALLEY-I PENMANSHIP | VIEW-HOME DRMAN WSCONSIN-ET | -2.84                        | 221            | 81                         | CAN              |
| 2-2        | 117051  | 20160804      | BUSY BROOK SB FORTUNE S2F | 15    | SAN RAY FM BEAMER-ET S2F  | BUSY BROOK MILL FAY S2F     | -2.16                        | 292            | 98                         | NZL              |
| 3-3        | 119677  | 20170619      | WELCOME DELPRO 3565-ET    | 16    | OCD SPRING SAMURI-ET      | WECLOME SUPERSHT DIAMOND-ET | -2.06                        | 288            | 72                         | USA              |
| 4-4        | 121771  | 20190801      | WINSTAR MENDEL-P-ET       | 16    | DENOVO 8084 ENTITY-ET     | WINSTAR WINDFALL 4539-ET    | -2.03                        | 195            | 20                         | USA              |
| 5-5        | 117551  | 20160809      | MEANDER SB QUANTICO S1F   | 15    | SAN RAY FM BEAMER-ET S2F  | MEANDER TOPGUN QUIN S0F     | -1.98                        | 222            | 98                         | NZL              |
| 6-6        | 115582  | 20130527      | CAUDUMER POWERPLAY PP     | 16    | HICKORYMEA PARKER P-ET    | CAUDUMER LOL 305            | -1.97                        | 110            | 86                         | NLD              |
| 7-7        | 121843  | 20180624      | BOMAZ MONUMENT-P-ET       | 16    | ABS MEDLEY-ET             | BOMAZ DELTA 6790            | -1.86                        | 339            | 45                         | USA              |
| 8-8        | 118855  | 20161210      | ABS JOPPOLO-PP-ET         | 16    | ENDCO THE ANSWER-PO-ET    | ABS 7726 JAZLYN-P-ET        | -1.74                        | 308            | 90                         | USA              |
| 9-9        | 122817  | 20211022      | DENOVO 18676 MESA-PP-ET   | 16    | WINSTAR MENDEL-P-ET       | DENOVO MONUMENT-P 3560-ET   | -1.69                        | 243            | 10                         | USA              |
| 10-10      | 120762  | 20170703      | DENOVO 7921 ATRIUM-ET     | 16    | ABS ACHIEVER-ET           | PEN-COL DELTA BARB-ET       | -1.57                        | 378            | 54                         | 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        | 120061  | 20190716      | DIACKS GE SUMMIT-ET S1F   | 15    | GLEN KORU ETHOS-ET S1F    |                             | -2.17                     | 323            | 38                         | NZL              |
| 2-2        | 120043  | 20190725      | JONES MA REVELATION S2F   | 16    | MEANDER TT ASSET-ET S2F   |                             | -1.98                     | 253            | 39                         | NZL              |
| 3-3        | 119102  | 20180807      | YOUNGS PT AUROA S2F       | 15    | PADRUTTS GB TOPNOTCH S2F  |                             | -1.90                     | 79             | 85                         | NZL              |
| 4-4        | 114112  | 20130626      | WAIPOI CASEN JOEL-ET S2F  | 16    | GREENWELL TF BLITZ-ET S3F |                             | -1.70                     | 26             | 90                         | NZL              |
| 5-5        | 119009  | 20180905      | OAKLINE BM KINETIC S2F    | 16    | BOTHWELL WT MAXIMA S2F    | OAKLINE REVITUP KACIE S2F   | -1.69                     | 256            | 85                         | NZL              |
| 6-7        | 116906  | 20150320      | SANDY-VALLEY APACHE       | 16    | VIEW-HOME POWERBALL-P-ET  | SANDY VALLEY MOGUL AMBER ET | -1.67                     | 147            | 90                         | USA              |
| 7-6        | 118533  | 20170822      | TELESIS HH BRAVO-ET S2F   | 16    | MOURNE GROVE HOTHOUSE S2F | TELESIS BLITZ EBELL S2F     | -1.67                     | 293            | 85                         | NZL              |
| 8-8        | 114918  | 20130730      | DELTA MAIK LYSSEL         | 14    | HOEKLAND MAIK             |                             | -1.61                     | -168           | 79                         | NZL              |
| 9-9        | 118005  | 20170826      | MARSHALLS MG EVERMORE S2F | 15    | MOORBYS FM GRANITE S2F    |                             | -1.54                     | 234            | 89                         | NZL              |
| 10-10      | 119006  | 20180724      | WATKINS DM ESTATE-ET S1F  | 16    | DICKSONS BG MANDATE S1F   |                             | -1.51                     | 256            | 84                         | 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        | 122670  | 20170920      | PEARTREE BROXTON            | 16    | KIRKBY PANAMA        | PEARTREE HYLKE LADY         | 5.79         | -151           | 18                         | GBR              |
| 2-3        | 116745  | 20140625      | BACON-HILL PETY MODESTY-ET  | 16    | SIEMERS MOGUL PETY   | BACON-HILL SUPRS MODESTY-ET | 4.29         | 223            | 78                         | USA              |
| 3-4        | 119673  | 20171022      | BADGER S-S-I CURRY SPORT-ET | 16    | DE-SU CURRY 13360    | S-S-I BG 10696 15122-ET     | 4.26         | 190            | 94                         | USA              |
| 4 -        | 120673  | 20180405      | GRASHOEK PEPPERMENT         | 16    | GRASHOEK IAN         | GRASHOEK RUTH 198           | 4.13         | -56            | 40                         | NLD              |
| 5-5        | 119571  | 20171217      | CRV DELTA LISTROTTO-RED     | 16    | AALSHORST RODY-RED   | DELTA LARISA RED-ET         | 3.90         | 160            | 81                         | NLD              |
| 6-6        | 118590  | 20150605      | DELTA SANDER P              | 16    | DELTA JESTER         | NOOR                        | 2.63         | 148            | 46                         | NLD              |
| 7-7        | 119677  | 20170619      | WELCOME DELPRO 3565-ET      | 16    | OCD SPRING SAMURI-ET | WECLOME SUPERSHT DIAMOND-ET | 1.96         | 288            | 72                         | USA              |
| 8-9        | 117601  | 20160102      | AALSHORST RODY-RED          | 16    | MS RIVERBOY          | AALSHORST GEERTJE 187       | 1.86         | 195            | 55                         | NLD              |
| 9-8        | 119573  | 20170805      | CRV DELTA PUNCH P-RED       | 16    | DELTA ROSEBUD RED    | HB DELTA PASJA              | 1.77         | 179            | 86                         | NLD              |
| 10-10      | 119686  | 20131224      | VH CLARK COSMO              | 16    | VH COLE CLARK        | HODNK COW 38000-04509       | 1.66         | 126            | 74                         | DNK              |

**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        | 118772  | 20161121      | WESTCOAST ALCOVE            | 16    | S-S-I MONTROSS DUKE-ET      | GOLD-N-OAKS MVP ARIA2815-ET | 97.7   | 488            | 88                         | CAN              |
| 2-2        | 122808  | 20170808      | MR RI-VAL-RE FREE BILLY-ET  | 16    | ABS ACHIEVER-ET             | ENDCO RUBICON COUNTESS-ET   | 94.6   | 451            | 50                         | USA              |
| 3-3        | 122769  | 20170522      | MR T-SPRUCE FRAZZ LIONEL-ET | 16    | MELARRY JOSUPER FRAZZLED-ET | NO-FLA MONTROSS 42446-ET    | 88.8   | 338            | 53                         | USA              |
| 4 -        | 120762  | 20170703      | DENOVO 7921 ATRIUM-ET       | 16    | ABS ACHIEVER-ET             | PEN-COL DELTA BARB-ET       | 77.5   | 378            | 54                         | USA              |
| 5-5        | 122675  | 20190424      | DENOVO 15897 BOULEVARD ET   | 16    | MR RI-VAL-RE FREE BILLY-ET  | DENOVO MEDLEY 7582-ET       | 75.6   | 381            | 22                         | USA              |
| 6-10       | 121798  | 20151115      | ABS ACHIEVER-ET             | 16    | WOODCREST MOGUL YODER-ET    | COMPASS-TRT AMRC AE J925-ET | 75.6   | 364            | 59                         | USA              |
| 7-9        | 120749  | 20180418      | SILVERRIDGE V EINSTEIN      | 16    | PROGENESIS TOPNOTCH         | SILVERRIDGE V DUKE EMAIL    | 73.9   | 411            | 49                         | CAN              |
| 8-6        | 119821  | 20180111      | SANDY-VALLEY CREAMER-ET     | 16    | ABS ACHIEVER-ET             | SANDY-VALLEY COKISCREAM-ET  | 73.8   | 298            | 78                         | USA              |
| 9 -        | 121698  | 20190420      | DENOVO 15973 BALTIC-ET      | 16    | MR RI-VAL-RE FREE BILLY-ET  | DENOVO MEDLEY 7507-ET       | 72.3   | 361            | 21                         | USA              |
| 10-4       | 118856  | 20170306      | ABS JERONIMO-P-ET           | 16    | ENDCO SUPERHERO-ET          | ABS 7726 JAZLYN-P-ET        | 71.2   | 340            | 79                         | 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 |
|------------|---------|---------------|-----------------------------|-------|-----------------------------|------------------------------|------------|----------------|----------------------------|------------------|
| 1-2        | 118772  | 20161121      | WESTCOAST ALCOVE            | 16    | S-S-I MONTROSS DUKE-ET      | GOLD-N-OAKS MVP ARIA2815-ET  | 63.6       | 488            | 88                         | CAN              |
| 2-1        | 122769  | 20170522      | MR T-SPRUCE FRAZZ LIONEL-ET | 16    | MELARRY JOSUPER FRAZZLED-ET | NO-FLA MONTROSS 42446-ET     | 62.2       | 338            | 53                         | USA              |
| 3-3        | 120715  | 20150501      | S-S-I JOSUPER ROCKETFIRE-ET | 16    | UECKER SUPERSIRE JOSUPER-ET | S-S-I STRLING TAYLOR 8728-ET | 61.5       | 261            | 51                         | USA              |
| 4-4        | 119562  | 20180806      | CRV DELTA MAURO-RED         | 16    | CRV DELTA GOAL              | HEDRA DELTA MADELENA         | 55.5       | 315            | 79                         | NLD              |
| 5-5        | 122808  | 20170808      | MR RI-VAL-RE FREE BILLY-ET  | 16    | ABS ACHIEVER-ET             | ENDCO RUBICON COUNTESS-ET    | 53.9       | 451            | 50                         | USA              |
| 6 -        | 119683  | 20170609      | SEAGULL-BAY AMAZON-ET       | 16    | ABS ACHIEVER-ET             | NO-FLA STOIC ANNE 40873-ET   | 51.5       | 330            | 50                         | USA              |
| 7-7        | 120749  | 20180418      | SILVERRIDGE V EINSTEIN      | 16    | PROGENESIS TOPNOTCH         | SILVERRIDGE V DUKE EMAIL     | 50.4       | 411            | 49                         | CAN              |
| 8 -        | 121670  | 20160829      | VH BOSMAN BAHRAIN           | 16    | VH TIRSVAD BALUSTO BOSAM    | 1054402704                   | 50.4       | 267            | 49                         | DNK              |
| 9-6        | 119567  | 20170616      | CRV DELTA JERONIMO          | 16    | RZH BARCLEY                 | DELTA JAIMA-ET               | 49.6       | 227            | 87                         | NLD              |
| 10-9       | 119759  | 20170522      | DE-SU 14222 KENOBI-ET       | 16    | S-S-I MONTROSS JEDI-ET      | DE-SU SPRING 5197-ET         | 49.3       | 241            | 67                         | USA              |