

**BORAN**

## **GENOMIC BREEDING VALUE REPORT**

October 2024



**MAFINDO FAMILY TRUST**

Herd Number: 708543

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# EBVs, EBVi's and Selection Values



## Logix Cow Value

Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners



## Logix Growth Value

Selecting for:

- efficient growers
- on veld and feedlot



## Logix Production Value

80% Logix Cow Value +  
20% Logix Growth Value



## Logix Carcass Value

Selecting for higher meat  
yield on carcass



## Logix Genomics

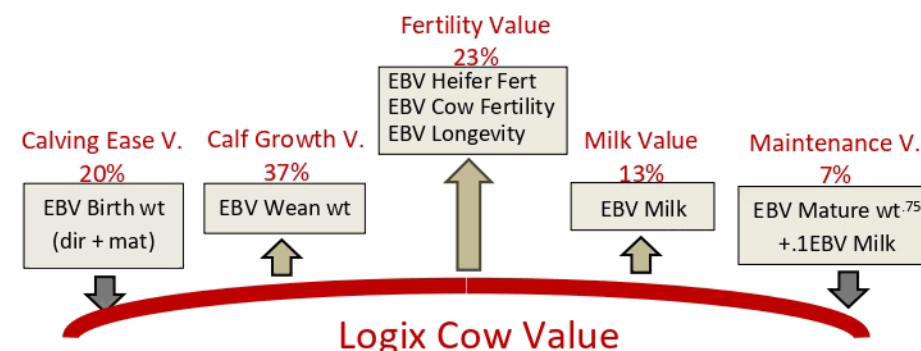
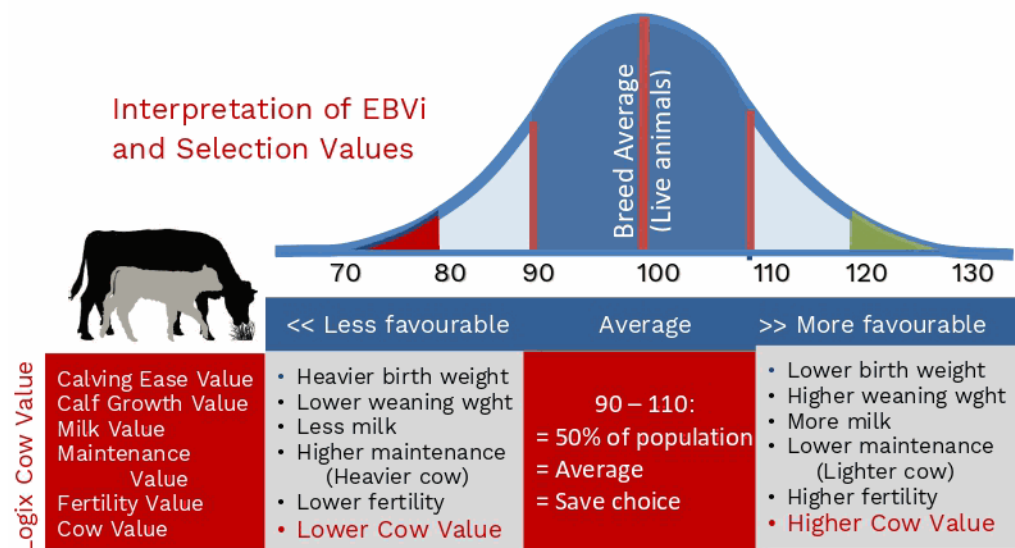
- Identification
- Parentage
- GEBVs
- Single gene testing

**EBVi (EBVindex):** The average EBVi of all the live animals in the breed is 100, and all EBVi values are expressed relative to this value. Values above 100 are always in a more desirable direction. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values may be better.

**EBV: (Estimated Breeding Value)** indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (1990 for most traits).

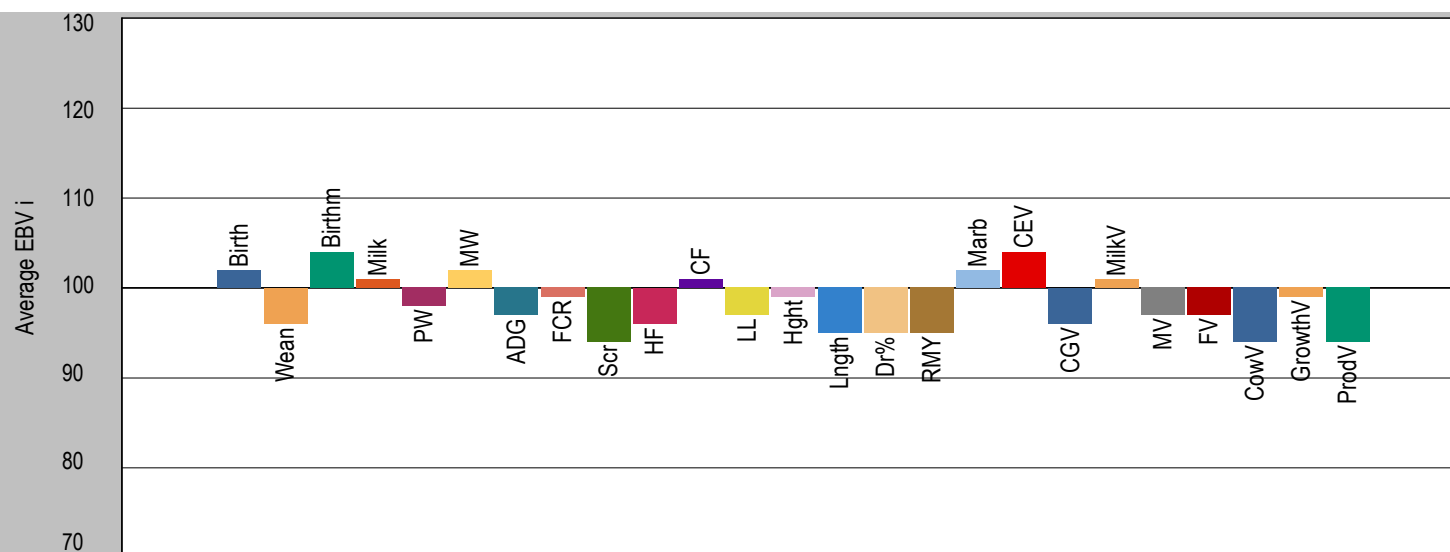
**Selection values** combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity are combined to form the Fertility Value by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

**Cow Value, Growth Value, Production Value and Carcass Value** combine relative selection values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.



**LOGIX**

## Herd and Breed Averages



### Breeding Values:

|         |                       |        |                  |
|---------|-----------------------|--------|------------------|
| Birth:  | Birth weight          | Scr:   | Scrotal circumf. |
| Wean:   | Weaning weight        | HF:    | Heifer Fertility |
| Birthm: | Birth maternal        | CF:    | Cow Fertility    |
| Milk:   | Milk                  | LL:    | Longevity        |
| PW:     | Post-wean weight      | Hght:  | Height           |
| MW:     | Mature weight         | Lngth: | Length           |
| ADG:    | Average Daily Gain    | Dr%:   | Dressing%        |
| FCR:    | Feed Conversion Ratio | RMY:   | Carcass Value    |
|         |                       | Marb:  | Marbling         |

### Selection Values:

|          |                       |
|----------|-----------------------|
| CEV:     | Calving Ease Value    |
| CGV:     | Calf Growth Value     |
| MilkV:   | Milk Value            |
| MV:      | Maintenance Value     |
| FV:      | Fertility Value       |
| CowV:    | Cow Value (CV)        |
| GrowthV: | Growth Value (GV)     |
| ProdV:   | Production Value (PV) |

|                 | Trait            | EBV Herd | EBV Index | EBV Breed |
|-----------------|------------------|----------|-----------|-----------|
| Prewean Growth  | Birth Weight     | 0.04     | 102       | 0.16      |
|                 | Wean Weight      | 0.6      | 96        | 2.0       |
|                 | Birth Mat.       | -0.16    | 104       | -0.05     |
|                 | Milk (Wn.Mat.)   | 0.6      | 101       | 0.4       |
| Postwean Growth | Postwean Wt      | -0.1     | 98        | 0.7       |
|                 | Mature Weight    | 5        | 102       | 3         |
|                 | ADG              | -9       | 97        | -3        |
|                 | FCR              | 5        | 99        | 1         |
| Fertility       | Scrotal Circumf. | 0.0      | 94        | 2.5       |
|                 | Heifer Fertility | 2.4      | 96        | -0.7      |
|                 | Cow Fertility    | -0.4     | 101       | -0.3      |
|                 | Longevity        | 25.4     | 97        | 27.2      |
| Frame           | Height           | 1        | 99        | 1         |
|                 | Length           | -4       | 95        | 0         |
| Carcass         | Dressing%        | -0.06    | 95        | -0.01     |
|                 | Carcass Value    | -0.7     | 95        | -0.1      |
|                 | Marbling         | -0.03    | 102       | -0.11     |

| Selection Value   | Ave. Herd |
|-------------------|-----------|
| Calving Ease V    | 104       |
| Calf Growth Value | 96        |
| Milk Value        | 101       |
| Maintenance V     | 97        |
| Fertility Value   | 97        |
| Cow Value         | 94        |
| Growth Value      | 99        |
| Production Value  | 94        |

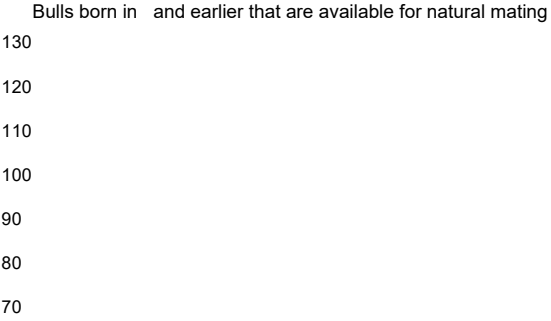
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**; **EXCEPT for Maintenance Value in a good environment**

What does a sub-selection value above breed average (100) mean?:

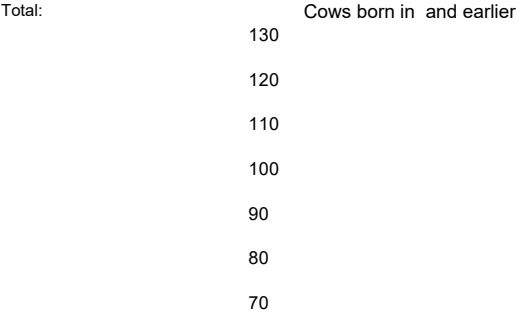
|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Calving ease Value: (CEV) | Smaller calf at birth - easier calving                             |
| Calf growth Value: (CGV)  | Heavier calves at wean due to growth potential of the calf         |
| Milk Value: (Mik V)       | Cows with more milk and better mothering ability                   |
| Maintenance Value: (MV)   | Animals with lower maintenance requirements (lower mature weight). |
| Fertility Value: (FV)     | Cows/daughters that calve earlier and/or more regularly.           |

# Genetic Windows

## Bulls on the farm



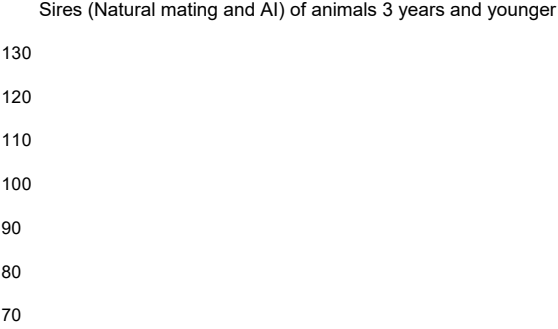
## Animals available for breeding



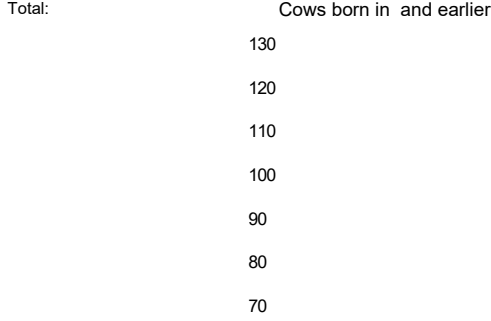
## Cow Herd

Total:

## Sires of young animals



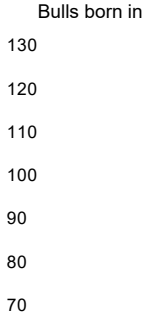
## Results of previous selection decisions



## Cows older than 6 years

Total:

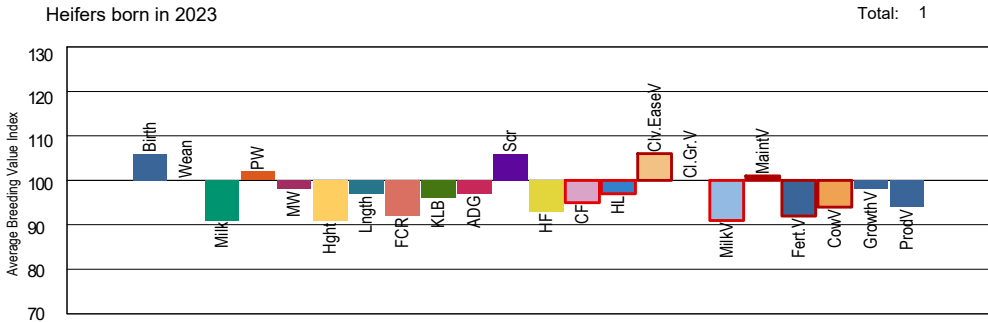
## Bull calves



## Selection possibilities

Total:

## Heifer calves



# Summary of Cow Herd

|                        |          |                   | Selection Values (SV) |            |      |        |           |           |              |            | Calf Weight  |             | Dam        |               | Growth & Efficiency |               |     |         | Fertility        |                  |               |           | Frame  |        |
|------------------------|----------|-------------------|-----------------------|------------|------|--------|-----------|-----------|--------------|------------|--------------|-------------|------------|---------------|---------------------|---------------|-----|---------|------------------|------------------|---------------|-----------|--------|--------|
| Birth Year             | No. Cows | Average Cow Value | Calving Ease          | Calf Grwth | Milk | Maint. | Fertility | Cow Value | Growth Value | Prod Value | Birth Weight | Wean Weight | Birth Mat. | Milk (Wn.Mat) | Postwn Weight       | Mature Weight | ADG | Kleiber | Scrotal Circumf. | Heifer Fertility | Cow Fertility | Longevity | Height | Length |
| Cows in Breed Average: |          |                   | 100                   | 100        | 100  | 101    | 100       | 100       | 99           | 100        | 100          | 100         | 100        | 100           | 100                 | 99            | 99  | 100     | 99               | 100              | 100           | 100       | 100    | 99     |
| 2016                   | 1        | ★★☆               | 83                    | 110        | 85   | 91     | 73        | 67        | 85           | 65         | 86           | 110         | 91         | 85            | 108                 | 109           | 98  | 101     | 85               | 88               | 68            | 96        | 90     | 92     |
| 2020                   | 4        | ★★★★☆             | 106                   | 90         | 103  | 105    | 105       | 102       | 92           | 99         | 105          | 90          | 102        | 103           | 95                  | 95            | 90  | 92      | 93               | 100              | 107           | 104       | 92     | 89     |
| 2021                   | 4        | ★★★★☆             | 109                   | 94         | 100  | 94     | 91        | 89        | 108          | 93         | 106          | 94          | 111        | 100           | 96                  | 104           | 101 | 103     | 99               | 89               | 98            | 93        | 99     | 95     |
| 2022                   | 2        | ★★★★              | 106                   | 98         | 106  | 91     | 102       | 99        | 101          | 99         | 101          | 98          | 107        | 106           | 99                  | 109           | 103 | 101     | 96               | 105              | 107           | 85        | 118    | 109    |
| 2023                   | 1        | ★★★★              | 106                   | 100        | 91   | 101    | 92        | 94        | 98           | 94         | 106          | 100         | 99         | 91            | 102                 | 98            | 97  | 96      | 106              | 93               | 95            | 97        | 91     | 97     |
| Cows in Herd Average:  |          |                   | 102                   | 98         | 97   | 96     | 93        | 90        | 97           | 90         | 101          | 98          | 102        | 97            | 100                 | 103           | 98  | 99      | 96               | 95               | 95            | 95        | 98     | 96     |

## Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.

### Herd

| Birth Year | Calving Ease |     |     |     | Calf Growth |                |     | Milk        |                | Maintenance |                 |     |               |     | Fertility   |              |     |           |     |           | Cow Value |           |     |
|------------|--------------|-----|-----|-----|-------------|----------------|-----|-------------|----------------|-------------|-----------------|-----|---------------|-----|-------------|--------------|-----|-----------|-----|-----------|-----------|-----------|-----|
|            | Birth Weight |     | Dir | Mat | Calv. Ease  | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |             | Postwean Weight |     | Mature Weight |     | Maintenance | Heifer Fert. |     | Cow Fert. |     | Longevity |           | Fertility |     |
|            | Number       | EBV |     |     |             | Number         | EBV |             | Number         | EBV         | Number          | EBV | Number        | EBV |             | Number       | EBV | Number    | EBV | Number    |           |           | EBV |
|            |              |     |     |     |             |                |     |             |                |             |                 |     |               |     |             |              |     |           |     |           |           |           |     |
|            |              |     |     |     |             |                |     |             |                |             |                 |     |               |     |             |              |     |           |     |           |           |           |     |

### Breed

| Birth Year | Calving Ease |         |         |            | Calf Growth    |     |             | Milk           |      |                 | Maintenance |               |        |             |              | Fertility |           |        |           |        |             |     |        | Cow Value |
|------------|--------------|---------|---------|------------|----------------|-----|-------------|----------------|------|-----------------|-------------|---------------|--------|-------------|--------------|-----------|-----------|--------|-----------|--------|-------------|-----|--------|-----------|
|            | Birth Weight |         | Mat EBV | Calv. Ease | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |      | Postwean Weight |             | Mature Weight |        | Maintenance | Heifer Fert. |           | Cow Fert. |        | Longevity |        | Ferti- lity |     |        |           |
|            | Number       | Dir EBV |         |            | Number         | EBV |             | Number         | EBV  | Milk            | Number      | EBV           | Number |             | EBV          | Number    | EBV       | Number | EBV       | Number |             | EBV | Number |           |
| 2014       | 4383         | 0.08    | -0.06   | 101        | 974            | 0.5 | 96          | 974            | 0.29 | 100             | 187         | -0.7          | 386    | 2           | 102          | 2125      | -0.5      | 1399   | -0.3      | 11855  | 15.3        | 97  | 92     |           |
| 2015       | 4993         | 0.11    | -0.06   | 100        | 1209           | 1.4 | 98          | 1209           | 0.64 | 101             | 417         | -0.4          | 422    | 3           | 102          | 2112      | 0.0       | 1417   | -0.1      | 10287  | 17.1        | 97  | 94     |           |
| 2016       | 5445         | 0.10    | -0.07   | 101        | 1281           | 0.8 | 97          | 1281           | 0.41 | 100             | 592         | -1.9          | 529    | 2           | 103          | 2161      | -0.3      | 1368   | -0.1      | 9738   | 18.2        | 97  | 95     |           |
| 2017       | 5493         | 0.10    | -0.07   | 101        | 1761           | 1.1 | 97          | 1761           | 0.68 | 101             | 648         | -0.7          | 646    | 2           | 103          | 2320      | 0.6       | 1608   | -0.1      | 9707   | 19.6        | 97  | 95     |           |
| 2018       | 5384         | 0.10    | -0.08   | 101        | 1835           | 1.6 | 99          | 1835           | 0.58 | 101             | 828         | 0.0           | 705    | 2           | 101          | 2125      | -0.1      | 1563   | -0.3      | 9592   | 21.1        | 99  | 97     |           |
| 2019       | 6007         | 0.09    | -0.08   | 101        | 1830           | 1.6 | 99          | 1830           | 0.42 | 100             | 1030        | 0.5           | 791    | 1           | 102          | 2271      | -0.9      | 1478   | -0.4      | 8812   | 21.2        | 100 | 97     |           |
| 2020       | 6047         | 0.10    | -0.08   | 101        | 2614           | 1.9 | 100         | 2614           | 0.25 | 100             | 1350        | 1.0           | 621    | 1           | 102          | 2106      | -0.7      | 500    | -0.7      | 4539   | 20.7        | 101 | 99     |           |
| 2021       | 6256         | 0.14    | -0.07   | 100        | 2943           | 2.6 | 102         | 2943           | 0.21 | 99              | 1170        | 1.6           | 100    | 3           | 100          | 1208      | -0.3      | 17     | -0.2      |        |             | 101 | 99     |           |
| 2022       | 6962         | 0.17    | -0.04   | 99         | 3186           | 2.7 | 102         | 3186           | 0.37 | 100             | 1237        | 2.4           |        |             | 101          | 26        | 4.2       |        |           |        |             | 98  | 101    |           |
| 2023       | 7535         | 0.13    | -0.02   | 99         | 3693           | 2.4 | 101         | 3693           | 1.05 | 103             | 385         | 3.7           |        |             | 99           |           |           |        |           |        |             |     | 101    |           |
| 2024       | 4117         | 0.15    | 0.01    | 99         | 179            | 2.6 | 102         | 179            | 0.31 | 100             |             |               |        |             |              |           |           |        |           |        |             |     | 100    |           |

# Genetic Trends for Growth Test Traits

## Herd

| Birth Year | Growth |     |      |        |     |      |                  |     |      | Frame  |     |      |        |     |      | Carcass Traits |           |      |               |      |          |      |              | Selection Values |  |
|------------|--------|-----|------|--------|-----|------|------------------|-----|------|--------|-----|------|--------|-----|------|----------------|-----------|------|---------------|------|----------|------|--------------|------------------|--|
|            | FCR    |     |      | ADG    |     |      | Scrotal Circumf. |     |      | Height |     |      | Length |     |      | Number         | Dressing% |      | Carcass Value |      | Marbling |      | Growth Value | Prod Value       |  |
|            | Number | EBV | EBVi | Number | EBV | EBVi | Number           | EBV | EBVi | Number | EBV | EBVi | Number | EBV | EBVi |                | EBV       | EBVi | EBV           | EBVi | EBV      | EBVi |              |                  |  |
|            |        |     |      |        |     |      |                  |     |      |        |     |      |        |     |      |                |           |      |               |      |          |      |              |                  |  |

## Breed

| Birth Year | Growth |     |      |        |     |      |                  |     |      | Frame  |     |      |        |     |      | Carcass Traits |           |     |               |     |          |     |              | Selection Values |      |
|------------|--------|-----|------|--------|-----|------|------------------|-----|------|--------|-----|------|--------|-----|------|----------------|-----------|-----|---------------|-----|----------|-----|--------------|------------------|------|
|            | FCR    |     |      | ADG    |     |      | Scrotal Circumf. |     |      | Height |     |      | Length |     |      | Number         | Dressing% |     | Carcass Value |     | Marbling |     | Growth Value | Prod Value       |      |
|            | Number | EBV | EBVi | Number | EBV | EBVi | Number           | EBV | EBVi | Number | EBV | EBVi | Number | EBV | EBVi |                | Number    | EBV | EBVi          | EBV | EBVi     | EBV |              |                  | EBVi |
| 2014       |        |     |      | 54     | 0   | 101  | 54               | 0.0 | 94   | 54     | 0   | 97   | 54     | 0   | 100  | 54             | 0.00      | 101 | 0.0           | 101 | 0.00     | 102 | 100          | 93               |      |
| 2015       |        |     |      | 119    | -6  | 99   | 119              | 2.2 | 99   | 119    | 1   | 99   | 119    | -1  | 98   | 60             | -0.02     | 99  | 0.2           | 102 | -0.54    | 91  | 99           | 94               |      |
| 2016       | 11     | 28  | 90   | 187    | -21 | 93   | 204              | 1.1 | 97   | 187    | -1  | 95   | 187    | -4  | 95   | 73             | -0.08     | 94  | -0.5          | 97  | -0.32    | 96  | 92           | 89               |      |
| 2017       | 19     | -5  | 102  | 176    | -3  | 100  | 174              | 2.5 | 100  | 175    | 1   | 100  | 175    | 1   | 101  | 118            | -0.05     | 96  | -0.2          | 99  | -0.18    | 99  | 100          | 94               |      |
| 2018       | 48     | 2   | 100  | 375    | -5  | 100  | 379              | 2.3 | 100  | 375    | 2   | 102  | 375    | 1   | 101  | 240            | 0.00      | 100 | -0.2          | 99  | -0.19    | 98  | 98           | 98               |      |
| 2019       | 37     | 13  | 95   | 455    | 0   | 101  | 432              | 2.8 | 101  | 456    | 3   | 103  | 462    | 2   | 103  | 348            | -0.01     | 100 | -0.1          | 100 | -0.19    | 98  | 101          | 99               |      |
| 2020       | 28     | -7  | 103  | 580    | 5   | 103  | 525              | 4.3 | 104  | 584    | 4   | 104  | 590    | 3   | 104  | 448            | 0.01      | 102 | 0.3           | 103 | -0.10    | 100 | 103          | 100              |      |
| 2021       | 40     | 8   | 97   | 557    | 6   | 104  | 537              | 3.4 | 102  | 557    | 4   | 104  | 560    | 4   | 105  | 331            | 0.04      | 104 | 0.7           | 106 | -0.13    | 100 | 104          | 100              |      |
| 2022       | 67     | -14 | 106  | 476    | 9   | 105  | 491              | 4.2 | 104  | 494    | 5   | 105  | 494    | 5   | 106  | 315            | 0.05      | 105 | 0.7           | 106 | -0.14    | 99  | 104          | 101              |      |
| 2023       | 11     | -8  | 103  | 29     | 15  | 108  | 36               | 5.1 | 106  | 36     | 3   | 103  | 36     | 5   | 106  | 29             | 0.10      | 110 | 0.9           | 108 | -0.22    | 98  | 103          | 104              |      |

Sires

| Sire                     |                   | Selection Values (SV / Acc) |                |            |      |        |           |           |             | Calf Weight |              | Mother      |            | Growth & Efficiency |               |               |     | Fertility |                  |              |           | Frame     |        | Carcass |         |               | Measured Progeny |            |      |    |
|--------------------------|-------------------|-----------------------------|----------------|------------|------|--------|-----------|-----------|-------------|-------------|--------------|-------------|------------|---------------------|---------------|---------------|-----|-----------|------------------|--------------|-----------|-----------|--------|---------|---------|---------------|------------------|------------|------|----|
| ID Name                  | Sire ID<br>Dam ID | Genomic<br>Parentage        | Calf Ease      | Calf Grwth | Milk | Maint. | Fertility | Cow Value | Grwth Value | Prod. Value | Birth Weight | Wean Weight | Birth Mat. | Milk Wn.Mat.        | Postwn Weight | Mature Weight | ADG | FCR       | Scrotal Circumf. | Heifer Fert. | Cow Fert. | Longevity | Height | Length  | Dress % | Carcass Value | Marb-ling        | Birth      | Wean |    |
|                          |                   |                             | Breed average: |            |      |        |           |           |             |             | 0.16         | 2.0         | -0.05      | 0.4                 | 0.7           | 3             | -3  | 1         | 2.5              | -0.3         | 27.2      | 1         | 0      | -0.01   | -0.1    | -0.11         | Grwth test       | Dght/Calv. |      |    |
|                          |                   |                             | <75            | 75 - 125   |      | >125   |           |           |             |             |              |             |            |                     |               |               |     |           |                  |              |           |           |        |         |         |               |                  |            |      |    |
| BH 130099<br>FABIO       | B 050107          |                             | 117            | 106        | 78   | 91     | 102       | 101       | 95          | 99          | -0.16        | 4.0         | -0.75      | -5.1                | -1.3          | 10            | 22  | -50       | 22.6             | -5.5         | -2.4      | 15.8      | 19     | 19      | 0.20    | 2.0           | -0.69            |            | 39   |    |
|                          | CI 080110         |                             | 55             | 92         | 73   | 57     | 64        | 61        | 88          | 69          | 55           | 106         | 55         | 122                 | 60            | 96            | 85  | 110       | 90               | 145          | 39        | 109       | 90     | 132     | 68      | 119           | 68               | 115        | 30   | 9  |
| BKP 130009<br>BKP130009  | PM14R             |                             | 114            | 78         | 107  | 114    | 98        | 99        | 80          | 91          | -1.21        | -5.3        | 0.16       | 2.0                 | -7.7          | -6            | -47 | 38        | 1.3              | 11.4         | -3.5      | 21.0      | -6     | -13     | -0.13   | -2.3          | -0.15            |            | 20   |    |
|                          | FN 080225         |                             | 80             | 57         | 58   | 52     | 64        | 56        | 49          | 54          | 86           | 124         | 57         | 78                  | 71            | 93            | 52  | 83        | 50               | 97           | 50        | 114       | 50     | 86      | 44      | 89            | 44               | 84         |      |    |
| BOS 150036<br>BRONCO     | HVT 980022        |                             | 111            | 73         | 107  | 99     | 124       | 101       | 84          | 94          | -0.76        | -7.2        | 0.18       | 2.2                 | -6.2          | 2             | -43 | 40        | -8.4             | -16.0        | -4.4      | 35.0      | 2      | -12     | -0.23   | -3.1          | 0.50             | 35         | 17   |    |
|                          | FN 060110         |                             | 85             | 85         | 64   | 48     | 64        | 64        | 36          | 56          | 91           | 116         | 85         | 73                  | 78            | 92            | 50  | 86        | 38               | 76           | 48        | 119       | 38     | 101     | 31      | 80            | 31               | 79         | 2    | 3  |
| DVB 100032<br>1032       | TLM 050526        |                             | 97             | 124        | 101  | 84     | 50        | 73        | 116         | 82          | 0.16         | 10.0        | 0.18       | 0.6                 | 13.6          | 15            | 53  | -70       | 13.3             | 38.9         | 7.2       | 15.6      | 4      | -2      | -0.07   | 1.4           | 0.10             | 1          | 20   |    |
|                          | TLM 040017        |                             | 69             | 88         | 77   | 57     | 77        | 66        | 78          | 70          | 69           | 100         | 88         | 124                 | 61            | 126           | 76  | 124       | 81               | 124          | 54        | 67        | 82     | 105     | 73      | 94            | 73               | 111        | 12   | 11 |
| FPL 130156<br>BRAVO      | FN 060064         |                             | 78             | 114        | 109  | 99     | 100       | 103       | 99          | 102         | 1.36         | 6.7         | 0.15       | 2.5                 | 6.0           | 2             | 1   | -47       | -13.5            | -4.7         | 1.3       | 31.8      | -3     | -8      | 0.02    | 0.2           | 0.28             | 25         | 38   |    |
|                          | FN 090397         |                             | 78             | 91         | 62   | 44     | 57        | 61        | 80          | 67          | 87           | 79          | 91         | 114                 | 74            | 111           | 78  | 102       | 84               | 64           | 43        | 93        | 85     | 91      | 76      | 102           | 76               | 102        | 9    |    |
| HB 140017<br>VIKING      | PB 070018         |                             | 86             | 100        | 106  | 82     | 83        | 71        | 100         | 75          | 1.12         | 2.1         | -1.30      | 2.0                 | 1.5           | 16            | -24 | 32        | -11.5            | 17.4         | 1.0       | 22.5      | 1      | -7      | -0.27   | -1.2          | -1.04            | 35         | 26   |    |
|                          | CFH 081057        |                             | 83             | 89         | 70   | 56     | 60        | 65        | 58          | 63          | 90           | 83          | 89         | 100                 | 46            | 102           | 56  | 91        | 58               | 69           | 42        | 95        | 63     | 99      | 54      | 77            | 54               | 92         | 3    | 6  |
| MAX 140022<br>MAX1422    | GF 060010         |                             | 100            | 111        | 91   | 90     | 97        | 98        | 107         | 101         | -0.04        | 5.9         | 0.15       | -1.8                | 7.3           | 10            | 2   | 37        | 7.4              | -1.2         | 0.1       | 24.2      | 1      | 6       | 0.13    | 0.4           | 0.24             | 55         | 4    |    |
|                          | MAX 100033        |                             | 83             | 72         | 54   | 36     | 57        | 56        | 60          | 57          | 93           | 103         | 72         | 111                 | 58            | 113           | 57  | 102       | 64               | 111          | 36        | 98        | 65     | 99      | 55      | 112           | 55               | 104        | 4    |    |
| MCS 170971<br>MCS 170971 | FN 100709         |                             | 106            | 104        | 88   | 93     | 112       | 106       | 123         | 114         | 0.16         | 3.3         | -0.29      | -2.6                | 3.5           | 7             | 36  | -31       | 15.3             | -6.6         | -1.4      | 38.6      | 0      | 2       | 0.19    | 1.6           | -0.51            |            |      |    |
|                          | FN 110035         |                             | 54             | 47         | 49   | 40     | 56        | 44        | 36          | 42          | 56           | 100         | 47         | 104                 | 37            | 106           | 35  | 116       | 37               | 129          | 37        | 105       | 38     | 98      | 32      | 117           | 32               | 113        |      |    |
| OA 150037<br>OA 150037   | OA 110012         |                             | 89             | 114        | 102  | 88     | 120       | 114       | 93          | 109         | 0.94         | 6.6         | -0.05      | 0.9                 | 8.3           | 11            | -39 | 59        | -2.5             | -17.4        | -4.7      | 24.6      | 7      | 3       | -0.15   | -3.0          | -0.48            | 29         | 24   |    |
|                          | OA 100125         |                             | 81             | 87         | 45   | 30     | 54        | 56        | 61          | 58          | 89           | 86          | 87         | 114                 | 38            | 115           | 57  | 85        | 68               | 89           | 29        | 120       | 69     | 110     | 60      | 87            | 60               | 79         | 5    |    |
| OP 170017<br>OP 170017   | W 140541          |                             | 110            | 87         | 112  | 89     | 95        | 89        | 143         | 106         | -0.31        | -2.4        | -0.13      | 3.5                 | -5.4          | 10            | 5   | 43        | -6.0             | 1.2          | -0.5      | 19.3      | 5      | -1      | -0.10   | 0.1           | 0.40             |            | 13   |    |
|                          | WK 150001         |                             | 45             | 82         | 58   | 40     | 48        | 50        | 75          | 58          | 45           | 108         | 82         | 87                  | 45            | 88            | 71  | 103       | 79               | 81           | 36        | 101       | 80     | 106     | 34      | 92            | 34               | 102        | 4    |    |
| W 110036<br>MADOT        | CI 070034         |                             | 93             | 110        | 96   | 86     | 73        | 74        | 107         | 80          | 0.92         | 5.3         | -0.22      | -0.6                | 3.5           | 14            | 50  | -77       | -4.0             | 5.3          | 10.3      | 29.7      | 8      | 4       | 0.27    | 0.8           | 1.26             | 291        | 109  |    |
|                          | B 040069          |                             | 98             | 98         | 96   | 84     | 87        | 83        | 71          | 79          | 99           | 86          | 98         | 110                 | 81            | 106           | 68  | 122       | 75               | 85           | 74        | 53        | 76     | 112     | 66      | 125           | 66               | 107        | 3    | 77 |
| WIT 160040<br>WIT160040  | DLV 100005        |                             | 97             | 91         | 113  | 90     | 100       | 89        | 109         | 93          | 0.31         | -1.1        | 0.07       | 3.7                 | -1.0          | 9             | -1  | -1        | -3.6             | 1.6          | 0.1       | 32.6      | 5      | -2      | -0.10   | -0.3          | -0.31            | 26         | 21   |    |
|                          | MHB 090038        |                             | 78             | 86         | 64   | 47     | 52        | 60        | 36          | 53          | 89           | 97          | 86         | 91                  | 40            | 97            | 35  | 101       | 37               | 86           | 37        | 98        | 37     | 106     | 34      | 92            | 34               | 99         | 2    | 2  |

Bulls

| Inbreeding in red is high |                                      |                   |                             |            |      |        |           |           |             | GEBV<br>Acc Index |              | Breeding values with an accuracy < 5% are not printed |            |                     |               |               |      |           |                  |              |           |           |        |         |        |      |          |        |             |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
|---------------------------|--------------------------------------|-------------------|-----------------------------|------------|------|--------|-----------|-----------|-------------|-------------------|--------------|-------------------------------------------------------|------------|---------------------|---------------|---------------|------|-----------|------------------|--------------|-----------|-----------|--------|---------|--------|------|----------|--------|-------------|------|----|-----|----|-----|----|-----|----|----|----|----|----|----|----|
| Bull                      |                                      |                   | Selection Values (SV / Acc) |            |      |        |           |           |             | Calf Weight       |              | Mother                                                |            | Growth & Efficiency |               |               |      | Fertility |                  |              |           | Frame     |        | Carcass |        |      |          |        |             |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
| ID Name                   | % Inbreeding<br>Genomic<br>Parentage | Sire ID<br>Dam ID | Calf Ease                   | Calf Grwth | Milk | Maint. | Fertility | Cow Value | Grwth Value | Prod. Value       | Birth Weight | Wean Weight                                           | Birth Mat. | Milk Wn.Mat.        | Postwn Weight | Mature Weight | ADG  | FCR       | Scrotal Circumf. | Heifer Fert. | Cow Fert. | Longevity | Height | Length  | EMA    | Fat  | Marbling | Dres % | Carc. Value |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
| Breed average:            |                                      |                   |                             |            |      |        |           |           |             |                   | 0.16         | 2.0                                                   | -0.05      | 0.4                 | 0.7           | 3             | -3   | 1         | 2.5              | -0.7         | -0.3      | 27.2      | 1      | 0       | 100    | 100  | 100      | 100    | 100         |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
| Shaded EBVi               |                                      |                   |                             |            |      |        |           |           |             |                   | 90-110       | >100                                                  | >100       | >100                | >100          | 90-110        | >100 | >100      | >100             | >100         | >100      | >100      | >100   | 90-110  | 90-110 | >100 | >100     | >100   | >100        | >100 |    |     |    |     |    |     |    |    |    |    |    |    |    |
|                           |                                      |                   | <75                         | 75 - 125   | >125 |        |           |           |             |                   |              |                                                       |            |                     |               |               |      |           |                  |              |           |           |        |         |        |      |          |        |             |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
| BAS 220471                | FPL 130156                           |                   | 88                          | 104        | 118  | 86     | 112       | 104       | 102         | 104               | 0.63         | 3.2                                                   | 0.23       | 4.8                 | 3.8           | 12            | 3    | -24       | -7.4             | -3.6         | -3.3      | 32.1      | 2      | -1      | 105    | 91   | 109      | 103    | 103         |      |    |     |    |     |    |     |    |    |    |    |    |    |    |
| BAS 220471                | BAS 150115                           |                   | 44                          | 53         | 46   | 28     | 41        | 38        | 44          | 40                | 48           | 92                                                    | 53         | 104                 | 38            | 91            | 46   | 118       | 40               | 106          | 28        | 112       | 42     | 103     | 14     | 109  | 46       | 78     | 44          | 104  | 30 | 114 | 48 | 108 | 47 | 100 | 45 | 99 | 42 | 40 | 39 | 41 | 41 |

Cows

|                      |                                      |         | Inbreeding in red is high |                             |            |      | GEBV<br>Acc Index |           | Breeding values with an accuracy < 5% are not printed |             |             |              |             |                     |              |               |               |           |      |                  |              |           |            |         |        |        |      |           |        |            |      |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
|----------------------|--------------------------------------|---------|---------------------------|-----------------------------|------------|------|-------------------|-----------|-------------------------------------------------------|-------------|-------------|--------------|-------------|---------------------|--------------|---------------|---------------|-----------|------|------------------|--------------|-----------|------------|---------|--------|--------|------|-----------|--------|------------|------|----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|----|-----|----|-----|----|----|----|----|----|
| Cow                  |                                      |         |                           | Selection Values (SV / Acc) |            |      |                   |           |                                                       | Calf Weight |             | Mother       |             | Growth & Efficiency |              |               |               | Fertility |      |                  |              | Frame     |            | Carcass |        |        |      |           |        |            |      |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| ID                   | % Inbreeding<br>Genomic<br>Parentage | Sire ID | Dam ID                    | Calf Ease                   | Calf Grwth | Milk | Maint.            | Fertility | Cow Value                                             | Grwth Value | Prod. Value | Birth Weight | Wean Weight | Birth Mat.          | Milk Wn.Mat. | Postwn Weight | Mature Weight | ADG       | FCR  | Scrotal Circumf. | Heifer Fert. | Cow Fert. | Longe-vity | Height  | Length | EMA    | Fat  | Marb-ling | Dres % | Carc Value |      |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| Name                 |                                      |         |                           | Breed average:              |            |      |                   |           |                                                       |             | 0.16        | 2.0          | -0.05       | 0.4                 | 0.7          | 3             | -3            | 1         | 2.5  | -0.7             | -0.3         | 27.2      | 1          | 0       | 100    | 100    | 100  | 100       | 100    |            |      |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
|                      |                                      |         |                           |                             |            |      |                   |           |                                                       | Shaded EBVi |             |              | 90-110      | >100                | >100         | >100          | >100          | 90-110    | >100 | >100             | >100         | >100      | >100       | >100    | 90-110 | 90-110 | >100 | >100      | >100   | >100       | >100 |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
|                      |                                      |         |                           | <75                         | 75 - 125   | >125 |                   |           |                                                       |             |             |              |             |                     |              |               |               |           |      |                  |              |           |            |         |        |        |      |           |        |            |      |    |     |     |     |     |     |     |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| BMK 160002           |                                      |         |                           | W                           | 110036     |      |                   |           |                                                       |             |             | 83           | 110         | 85                  | 91           | 73            | 67            | 85        | 65   | 0.97             | 5.4          | 0.21      | -3.4       | 4.9     | 9      | -7     | -36  | -4.1      | 9.2    | 6.9        | 24.6 | -4 | -6  | 108 | 82  | 108 | 106 | 95  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| BMK160002            |                                      |         |                           | B                           | 090491     |      |                   |           |                                                       |             |             | 76           | 86          | 61                  | 110          | 78            | 91            | 61        | 85   | 48               | 108          | 49        | 109        | 42      | 98     | 27     | 114  | 46        | 85     | 61         | 88   | 44 | 68  | 46  | 90  | 45  | 92  | 41  | 38  | 37 | 40  | 40 |     |    |     |    |     |    |    |    |    |    |
| OA 200032            |                                      |         |                           | 1                           | OA 150037  |      |                   |           |                                                       |             |             | 88           | 105         | 110                 | 102          | 110           | 110           | 92        | 105  | 0.89             | 3.6          | 0.05      | 2.9        | 4.4     | 0      | -37    | 55   | 2.1       | -4.5   | -2.4       | 31.5 | -1 | -3  | 91  | 103 | 105 | 91  | 85  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| OA 200032            |                                      |         |                           | JT                          | 160200     |      |                   |           |                                                       |             |             | 69           | 76          | 44                  | 32           | 44            | 50            | 36        | 46   | 75               | 87           | 76        | 105        | 34      | 107    | 32     | 96   | 35        | 86     | 17         | 80   | 40 | 99  | 57  | 105 | 25  | 109 | 51  | 107 | 37 | 34  | 33 | 36  | 36 |     |    |     |    |    |    |    |    |
| PYM 200008           |                                      |         |                           |                             | BOS 150036 |      |                   |           |                                                       |             |             | 127          | 69          | 101                 | 109          | 119           | 106           | 80        | 98   | -1.21            | -8.5         | -0.50     | 0.5        | -9.5    | -2     | -46    | 30   | -5.7      | -8.9   | -5.1       | 28.6 | -6 | -20 | 77  | 96  | 102 | 76  | 75  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| CLEO                 |                                      |         |                           |                             | EO 120483  |      |                   |           |                                                       |             |             | 66           | 76          | 52                  | 33           | 45            | 50            | 33        | 45   | 74               | 124          | 76        | 69         | 56      | 114    | 52     | 101  | 34        | 80     | 33         | 93   | 32 | 82  | 12  | 89  | 34  | 82  | 49  | 110 | 33 | 122 | 52 | 102 | 35 | 86  | 34 | 74  | 23 | 22 | 22 |    |    |
| QT 200075            |                                      |         |                           | 1                           | WIT 160040 |      |                   |           |                                                       |             |             | 92           | 102         | 108                 | 94           | 105           | 100           | 107       | 102  | 0.51             | 2.6          | 0.12      | 2.4        | 3.2     | 6      | -2     | 5    | -1.0      | -0.5   | -1.5       | 31.8 | 3  | -1  | 99  | 93  | 100 | 98  | 98  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| QT2075               |                                      |         |                           |                             | QT 160033  |      |                   |           |                                                       |             |             | 63           | 74          | 53                  | 39           | 37            | 49            | 22        | 41   | 72               | 94           | 74        | 102        | 50      | 94     | 53     | 108  | 30        | 105    | 39         | 104  | 22 | 100 | 10  | 98  | 24  | 92  | 37  | 100 | 26 | 106 | 48 | 107 | 21 | 20  | 20 |     |    |    |    |    |    |
| UTU 200004           |                                      |         |                           |                             | BKP 130009 |      |                   |           |                                                       |             |             | 117          | 85          | 91                  | 116          | 87            | 93            | 88        | 89   | -0.76            | -2.9         | -0.15     | -2.0       | -4.7    | -7     | -24    | 9    | 2.7       | 11.5   | 1.7        | 26.7 | -8 | -11 | 96  | 115 | 89  | 97  | 95  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| UTU200004            |                                      |         |                           |                             | BAR 120144 |      |                   |           |                                                       |             |             | 68           | 44          | 48                  | 39           | 50            | 45            | 37        | 43   | 74               | 116          | 44        | 85         | 39      | 89     | 39     | 86   | 36        | 91     | 26         | 97   | 38 | 100 | 60  | 85  | 36  | 91  | 54  | 99  | 38 | 84  | 37 | 85  | 35 | 34  | 34 |     |    |    |    |    |    |
| BD 210598            |                                      |         |                           |                             | HB 140017  |      |                   |           |                                                       |             |             | 109          | 98          | 109                 | 91           | 89            | 93            | 99        | 93   | -0.03            | 1.2          | -1.02     | 2.6        | 0.7     | 8      | -7     | -5   | -5.0      | 11.3   | 0.8        | 26.1 | 2  | -2  | 86  | 89  | 93  | 85  | 96  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| BD 210598            |                                      |         |                           |                             | BD 120246  |      |                   |           |                                                       |             |             | 66           | 75          | 56                  | 38           | 40            | 50            | 43        | 48   | 74               | 103          | 75        | 98         | 56      | 131    | 56     | 109  | 34        | 100    | 38         | 107  | 41 | 99  | 25  | 102 | 44  | 83  | 41  | 85  | 27 | 95  | 52 | 98  | 46 | 101 | 44 | 98  | 40 | 37 | 36 | 38 | 38 |
| EMD 210012           |                                      |         |                           | 4                           | DVB 100032 |      |                   |           |                                                       |             |             | 104          | 100         | 98                  | 91           | 72            | 75            | 101       | 78   | 0.06             | 2.1          | -0.13     | -0.3       | 2.9     | 9      | 9      | -16  | 7.8       | 21.8   | 2.9        | 15.8 | -3 | -10 | 82  | 101 | 101 | 82  | 95  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| EMD 210012           |                                      |         |                           |                             | CFH 050131 |      |                   |           |                                                       |             |             | 48           | 53          | 49                  | 37           | 51            | 43            | 44        | 43   | 48               | 102          | 53        | 100        | 48      | 103    | 49     | 98   | 38        | 104    | 37         | 108  | 43 | 105 | 19  | 106 | 46  | 112 | 57  | 72  | 37 | 86  | 58 | 81  | 47 | 93  | 46 | 87  | 42 | 40 | 39 | 41 | 41 |
| MCS 210626           |                                      |         |                           | 2                           | MCS 170971 |      |                   |           |                                                       |             |             | 115          | 93          | 95                  | 99           | 104           | 102           | 115       | 107  | -0.54            | -0.3         | -0.18     | -0.8       | -0.9    | 3      | 11     | 2    | 10.1      | 1.2    | -0.6       | 35.9 | 1  | 2   | 105 | 110 | 114 | 106 | 107 |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| MCS 210626           |                                      |         |                           |                             | MCS 190261 |      |                   |           |                                                       |             |             | 39           | 35          | 35                  | 29           | 39            | 32            | 29        | 31   | 41               | 112          | 35        | 93         | 30      | 97     | 29     | 99   | 28        | 106    | 14         | 100  | 30 | 117 | 45  | 98  | 26  | 101 | 45  | 114 | 30 | 99  | 29 | 102 | 27 | 26  | 25 | 26  | 26 | 26 |    |    |    |
| OP 210038            |                                      |         |                           | 2                           | OP 170017  |      |                   |           |                                                       |             |             | 109          | 83          | 99                  | 96           | 99            | 86            | 118       | 94   | -0.14            | -3.8         | -0.20     | 0.2        | -7.9    | 4      | -19    | 50   | -5.8      | -2.0   | -2.1       | 14.9 | 3  | -6  | 82  | 90  | 103 | 81  | 88  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| OP2138               |                                      |         |                           |                             | OP 190004  |      |                   |           |                                                       |             |             | 34           | 71          | 49                  | 40           | 37            | 42            | 46        | 43   | 34               | 105          | 71        | 83         | 34      | 105    | 49     | 99   | 35        | 83     | 40         | 102  | 44 | 93  | 14  | 81  | 49  | 82  | 39  | 102 | 27 | 108 | 44 | 80  | 49 | 103 | 48 | 92  | 28 | 27 | 26 | 28 | 28 |
| BAS 220468           |                                      |         |                           |                             | FPL 130156 |      |                   |           |                                                       |             |             | 94           | 103         | 116                 | 81           | 114           | 104           | 107       | 106  | 0.48             | 3.0          | 0.06      | 4.3        | 3.8     | 17     | 7      | -24  | -7.4      | -11.8  | -3.3       | 25.6 | 11 | 5   | 105 | 92  | 108 | 104 | 103 |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| BAS 220468           |                                      |         |                           |                             | BAS 150114 |      |                   |           |                                                       |             |             | 47           | 54          | 46                  | 28           | 40            | 39            | 47        | 41   | 51               | 94           | 54        | 103        | 41      | 97     | 46     | 116  | 42        | 106    | 28         | 119  | 45 | 104 | 14  | 109 | 49  | 78  | 42  | 114 | 30 | 113 | 48 | 97  | 50 | 117 | 48 | 107 | 44 | 41 | 41 | 42 | 42 |
| OP 220174            |                                      |         |                           |                             | BH 130099  |      |                   |           |                                                       |             |             | 118          | 93          | 95                  | 100          | 89            | 94            | 95        | 92   | -0.22            | -0.3         | -0.59     | -1.0       | -3.9    | 2      | -1     | -10  | 8.8       | 2.7    | -0.4       | 10.5 | 12 | 7   | 104 | 98  | 91  | 104 | 102 |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| OP220174             |                                      |         |                           |                             | CFH 090227 |      |                   |           |                                                       |             |             | 45           | 76          | 56                  | 37           | 46            | 47            | 49        | 48   | 44               | 107          | 76        | 93         | 46      | 117    | 56     | 95   | 38        | 91     | 37         | 99   | 48 | 101 | 11  | 104 | 51  | 114 | 52  | 96  | 31 | 101 | 54 | 73  | 51 | 118 | 50 | 110 | 38 | 35 | 35 | 36 | 36 |
| UTU 230051           |                                      |         |                           | 1                           | MAX 140022 |      |                   |           |                                                       |             |             | 106          | 100         | 91                  | 101          | 92            | 94            | 98        | 94   | -0.17            | 2.1          | -0.03     | -1.9       | 1.9     | 2      | -11    | 23   | 5.0       | 5.2    | 0.9        | 25.5 | -3 | -2  | 104 | 109 | 98  | 105 | 99  |     |    |     |    |     |    |     |    |     |    |    |    |    |    |
| UTUKHUFU LIANI 23-51 |                                      |         |                           |                             | UTU 200004 |      |                   |           |                                                       |             |             | 61           | 42          | 36                  | 27           | 38            | 38            | 36        | 37   | 72               | 106          | 42        | 100        | 47      | 99     | 36     | 91   | 36        | 102    | 27         | 98   | 34 | 97  | 32  | 92  | 37  | 106 | 43  | 93  | 26 | 95  | 45 | 97  | 38 | 91  | 37 | 97  | 34 | 31 | 31 | 32 | 32 |

Selection List on Cow Value

Bulls 2 years and older

| IDNameSorted on ID |            |            | Sire IDDam ID |            | % Inbreeding<br>Polled<br>HH: Horned,<br>PcPc: Polled,<br>PcH: Polled<br>horn carrier | Genomic<br>tested | Calving<br>Ease<br>Value<br>Acc | Calf<br>Growth<br>Value<br>Acc | Milk<br>Value<br>Acc | Maint.<br>Value<br>Acc | Fertility<br>Value<br>Acc | Cow<br>Value<br>Acc | Growth<br>Value<br>Acc | Prod<br>Value<br>Acc | Carcass<br>Value<br>Acc |
|--------------------|------------|------------|---------------|------------|---------------------------------------------------------------------------------------|-------------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|------------------------|----------------------|-------------------------|
|                    |            |            |               |            |                                                                                       |                   | ★★★★                            |                                |                      |                        |                           |                     |                        |                      |                         |
| 1                  | BAS 220471 | BAS 220471 | FPL 130156    | BAS 150115 | 0.5                                                                                   |                   | 8844                            | 10453                          | 11846                | 8628                   | 11241                     | 10438               | 10244                  | 10440                | 10341                   |

Selection List on Cow Value

Cows 2 years and older

| ID | Name       | Sire ID    | Dam ID     | % Inbreeding | Polled<br>HH:Horned,<br>PcPc:Polled,<br>PcH: Polled<br>horn carrier | Genomic<br>tested | Calving<br>Ease<br>Value<br>Acc | Calf<br>Growth<br>Value<br>Acc | Milk<br>Value<br>Acc | Maint.<br>Value<br>Acc | Fertility<br>Value<br>Acc | Cow<br>Value<br>Acc | Growth<br>Value<br>Acc | Prod<br>Value<br>Acc | Carcass<br>Value<br>Acc |    |     |    |     |    |     |    |     |    |
|----|------------|------------|------------|--------------|---------------------------------------------------------------------|-------------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|------------------------|----------------------|-------------------------|----|-----|----|-----|----|-----|----|-----|----|
|    |            |            |            |              |                                                                     |                   | ★★★★☆                           |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | OA 200032  | OA 200032  | OA 150037  | JT 160200    | 1.2                                                                 |                   | 88                              | 69                             | 105                  | 76                     | 110                       | 44                  | 102                    | 32                   | 110                     | 44 | 110 | 50 | 92  | 36 | 105 | 46 | 85  | 36 |
|    |            |            |            |              |                                                                     |                   | ★★★★                            |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | BAS 220468 | BAS 220468 | FPL 130156 | BAS 150114   | 0.1                                                                 |                   | 94                              | 47                             | 103                  | 54                     | 116                       | 46                  | 81                     | 28                   | 114                     | 40 | 104 | 39 | 107 | 47 | 106 | 41 | 103 | 42 |
| 2  | MCS 210626 | MCS 210626 | MCS 170971 | MCS 190261   | 1.7                                                                 |                   | 115                             | 39                             | 93                   | 35                     | 95                        | 35                  | 99                     | 29                   | 104                     | 39 | 102 | 32 | 115 | 29 | 107 | 31 | 107 | 26 |
| 3  | PYM 200008 | CLEO       | BOS 150036 | EO 120483    | 0.3                                                                 |                   | 127                             | 66                             | 69                   | 76                     | 101                       | 52                  | 109                    | 33                   | 119                     | 45 | 106 | 50 | 80  | 33 | 98  | 45 | 75  | 22 |
| 4  | QT 200075  | QT2075     | WIT 160040 | QT 160033    | 1.1                                                                 |                   | 92                              | 63                             | 102                  | 74                     | 108                       | 53                  | 94                     | 39                   | 105                     | 37 | 100 | 49 | 107 | 22 | 102 | 41 | 98  | 20 |
|    |            |            |            |              |                                                                     |                   | ★★★★☆                           |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | BD 210598  | BD 210598  | HB 140017  | BD 120246    | 0.0                                                                 |                   | 109                             | 66                             | 98                   | 75                     | 109                       | 56                  | 91                     | 38                   | 89                      | 40 | 93  | 50 | 99  | 43 | 93  | 48 | 96  | 38 |
| 2  | OP 220174  | OP220174   | BH 130099  | CFH 090227   | 0.0                                                                 |                   | 118                             | 45                             | 93                   | 76                     | 95                        | 56                  | 100                    | 37                   | 89                      | 46 | 94  | 47 | 95  | 49 | 92  | 48 | 102 | 36 |
| 3  | UTU 200004 | UTU200004  | BKP 130009 | BAR 120144   | 0.0                                                                 |                   | 117                             | 68                             | 85                   | 44                     | 91                        | 48                  | 116                    | 39                   | 87                      | 50 | 93  | 45 | 88  | 37 | 89  | 43 | 95  | 34 |
|    |            |            |            |              |                                                                     |                   | ★★                              |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | OP 210038  | OP2138     | OP 170017  | OP 190004    | 2.5                                                                 |                   | 109                             | 34                             | 83                   | 71                     | 99                        | 49                  | 96                     | 40                   | 99                      | 37 | 86  | 42 | 118 | 46 | 94  | 43 | 88  | 28 |
|    |            |            |            |              |                                                                     |                   | ★★☆                             |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | EMD 210012 | EMD 210012 | DVB 100032 | CFH 050131   | 3.9                                                                 |                   | 104                             | 48                             | 100                  | 53                     | 98                        | 49                  | 91                     | 37                   | 72                      | 51 | 75  | 43 | 101 | 44 | 78  | 43 | 95  | 41 |
|    |            |            |            |              |                                                                     |                   | ★                               |                                |                      |                        |                           |                     |                        |                      |                         |    |     |    |     |    |     |    |     |    |
| 1  | BMK 160002 | BMK160002  | W 110036   | B 090491     | 0.0                                                                 |                   | 83                              | 76                             | 110                  | 61                     | 85                        | 61                  | 91                     | 49                   | 73                      | 58 | 67  | 55 | 85  | 44 | 65  | 52 | 95  | 40 |

Selection List on Cow Value

Heifers younger than 2 years

| ID<br>Sorted on ID |            | Name     |             | Sire ID    | Dam ID     | % Inbreeding<br>Polled<br>HH: Horned,<br>PcPc: Polled,<br>PcH: Polled<br>horn carrier | Genomic<br>tested | Calving<br>Ease<br>Value<br>Acc | Calf<br>Growth<br>Value<br>Acc | Milk<br>Value<br>Acc | Maint.<br>Value<br>Acc | Fertility<br>Value<br>Acc | Cow<br>Value<br>Acc | Growth<br>Value<br>Acc | Prod<br>Value<br>Acc | Carcass<br>Value<br>Acc |
|--------------------|------------|----------|-------------|------------|------------|---------------------------------------------------------------------------------------|-------------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|------------------------|----------------------|-------------------------|
|                    |            |          |             |            |            |                                                                                       |                   | ★★★★★                           |                                |                      |                        |                           |                     |                        |                      |                         |
| 1                  | UTU 230051 | UTUKHUFU | LIANI 23-51 | MAX 140022 | UTU 200004 | 1.1                                                                                   |                   | 10661                           | 10042                          | 9136                 | 10127                  | 9238                      | 9438                | 9836                   | 9437                 | 9932                    |

